



Connecting business.





CATALOGO GENERALE - GENERAL CATALOGUE - CATALOGUE GÉNÉRAL - GESAMTKATALOG

■ ■ **Tubi Gomma Torino**, azienda leader nel settore della produzione delle tubazioni industriali in gomma, è presente sul mercato Italiano ed Internazionale da oltre sessant'anni.

Azienda di medie dimensioni, si è sempre distinta per la cura e l'attenzione riservata alla Clientela, assumendo il ruolo prima che di fornitore, di consulente ed esperto di prodotti ed applicazioni.

Tale attività ha "naturalmente" spinto TGT verso la scoperta di settori sempre diversi e più specialistici, accrescendone il bagaglio culturale e ponendola ai vertici dei mercati di competenza.

Il presente catalogo rappresenta per noi della Tubi Gomma Torino il risultato del costante impegno ed un'ennesima risposta ai nostri Clienti.

■ ■ La société **Tubi Gomma Torino** leader dans la production des tuyaux industriels en caoutchouc est présente sur les marchés italiens et internationaux depuis soixante ans.

L'entreprise familiale de taille moyenne, a toujours été bien considérée par ses Clients pour l'attention et les soins apportés aux traitements de leurs diverses demandes.

Avant d'assumer le rôle de fournisseur, TGT est avant tout un consultant et un expert pour ses produits et leurs applications.

Cette activité a "naturellement" conduit TGT à découvrir des secteurs d'activités de plus en plus diversifiés et spécialisés, a eu pour effet d'étoffer sa ligne de produits et de la placer parmi les meilleurs spécialistes dans les applications les plus techniques.

■ **Tubi Gomma Torino**, leading manufacturer of industrial rubber hoses, has been active on the Italian and international markets for more than 60 years.

Being a mid-sized and privately owned company, TGT has built an excellent reputation for the care and attention dedicated to the Customer, taking on its responsibilities as a manufacturer and product expert on the products and its applications.

This attitude has always driven the company to expand its efforts toward more specialist markets and demanding industries.

For Tubi Gomma Torino the present catalog is the result of our dedication, commitment and constant search for new solutions to serve our Customers.

■ **Tubi Gomma Torino**, einer der führenden Hersteller von industriellen Gummischläuchen, ist seit den frühen 60er Jahren sowohl im italienischen wie im internationalen Markt aktiv.

TGT ist ein mittelständisches, privat geführtes Unternehmen, welches sich stets den Kundenwünschen und Marktanforderungen angepasst hat.

Neben dem Standardprogramm ist auch eine spezielle Beratung zur Auswahl der geeigneten Produkte für den jeweiligen Anwendungsfall gegeben.

Die Marktnähe von TGT hat dazu beigetragen sich permanent weiterzuentwickeln und so grundsätzlich auf die neuesten Anforderungen und Entwicklungen kompetent zu reagieren.



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## AQUA

ACQUA E FLUIDI INERTI - WATER SUCTION AND DELIVERY  
ASPIRATION ET REFOULEMENT D'EAU - SAUG- UND DRUCKSCHLAUCH FÜR WASSER



P. 4



## CALOR

ACQUA CALDA E VAPORE - HOT WATER AND STEAM  
EAU CHAUDE ET VAPEUR - WARMES WASSER UND DAMPF



P. 14



## AER

ARIA COMPRESSA - COMPRESSED AIR  
AIR COMPRIME - PRESSLUFT



P. 38



## WEL

CONDUZIONE GAS PER SALDATURE - WELDING HOSES  
TUYAUX POUR SOUDURE - SCHWEISSEN SCHLÄUCHE



P. 44



## ABRA

PRODOTTI ABRASIVI - MATERIAL HANDLING  
PRODUITS ABRASIFS - ABRIEBFESTE SCHLÄUCHE



P. 50



## ECO

ASPIRAZIONE GAS DI SCARICO - GAS EXTRACTION  
EXTRACTION DES GAZ - ABGASSCHLÄUCHE



P. 68



## CHEMI

PRODOTTI CHIMICI - CHEMICALS  
PRODUITS CHIMIQUES - CHEMISCHE PRODUKTE



P. 74



## PETRO

OLI MINERALI, CARBURANTI - MINERAL OILS, FUELS  
HUILES MINERALES, CARBURANTS - MINERALÖL, KRAFTSTOFF



P. 84



## AGRA FOOD

PRODOTTI ALIMENTARI - FOODSTUFFS  
PRODUITS ALIMENTAIRES - LEBENSMITTEL SCHLÄUCHE



P. 110



## MARINE

TUBI PER APPLICAZIONI NAVALI - MARINE HOSES  
TUYAUX POUR APPLICATIONS MARINES - SCHLÄUCHE FÜR MARINE ANWENDUNGEN



P. 136



## RAILWAY

TUBI PER FERROVIE - RAILWAYS HOSES  
TUYAUX POUR CHEMIN DE FER - EISENBAHN ANWENDUNGEN



P. 144



## OFFSHORE

OFFSHORE - OFFSHORE  
OFFSHORE - OFFSHORE







P. 148



# AQUA

ACQUA E FLUIDI INERTI | WATER SUCTION AND DELIVERY  
ASPIRATION ET REFOULEMENT D'EAU | SAUG- UND DRUCKSCHLAUCH FÜR WASSER



|                                     |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION |  ANWENDUNG | page |
|-------------------------------------|---|---|---|---|------|
| <b>AQUAGEN 10 L/L</b>               | TUBO MANDATA ARIA E ACQUA LONG LENGTH   | LONG LENGTH AIR AND WATER DELIVERY HOSE   | TUYAU REFOULEMENT D'AIR ET D'EAU  | DRUCKSCHLAUCH FÜR LUFT UND WASSER   | 6    |
| <b>AQUADEL /10</b>                  | TUBO MANDATA ACQUA  | WATER DELIVERY HOSE   | TUYAU REFOULEMENT D'EAU   | DRUCKSCHLAUCH FÜR WASSER  | 7    |
| <b>AQUAFLAT 5/10</b>                | TUBO MANDATA ACQUA APPIATTIBILE   | LAYFLAT WATER DELIVERY HOSE   | TUYAU REFOULEMENT D'EAU APLATISSABLE  | FLACHSCHLAUCH FÜR WASSER  | 8    |
| <b>AQUAFLAT /20</b>                 | TUBO MANDATA ACQUA APPIATTIBILE   | LAYFLAT WATER DELIVERY HOSE   | TUYAU REFOULEMENT D'EAU APLATISSABLE  | FLACHSCHLAUCH FÜR WASSER  | 9    |
| <b>AQUAMASTER SD /10</b>            | TUBO ASPIRAZIONE E MANDATA ACQUA  | WATER SUCTION AND DELIVERY HOSE   | TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU  | SAUG-UND DRUCKSCHLAUCH FÜR WASSER   | 10   |
| <b>AQUACORR SD 5/10</b>             | TUBO ASPIRAZIONE E MANDATA ACQUA - COPERTURA ONDULATA   | WATER SUCTION AND DELIVERY HOSE - CORRUGATED COVER  | TUYAU ONDULE POUR ASPIRATION ET REFOULEMENT D'EAU   | SAUG-UND DRUCKSCHLAUCH FÜR WASSER, DECKE GEWELLT  | 11   |
| <b>X-TREME /60 - SNOW GUN HOSE</b>  | TUBO MANDATA ACQUA PER INNEVAMENTO  | WATER DELIVERY HOSE FOR SNOW GUN  | TUYAU REFOULEMENT POUR CANNON D'ENNEIGEMENT   | DRUCKSCHLAUCH FÜR KÜNSTLICHEN VERSCHNEIEN   | 12   |
| <b>X-TREME /100 - SNOW GUN HOSE</b> | TUBO MANDATA ACQUA PER INNEVAMENTO  | WATER DELIVERY HOSE FOR SNOW GUN  | TUYAU REFOULEMENT POUR CANNON D'ENNEIGEMENT   | DRUCKSCHLAUCH FÜR KÜNSTLICHEN VERSCHNEIEN   | 13   |



# AQUAGEN 10 L/L

TUBO MANDATA ARIA E ACQUA LONG LENGTH | LONG LENGTH AIR AND WATER DELIVERY HOSE  
TUYAU REFOULEMENT D'AIR ET D'EAU | DRUCKSCHLAUCH FÜR LUFT UND WASSER



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|--|--|---|
| Mandata di acqua, aria e fluidi inerti non corrosivi, utilizzato in applicazioni industriali e di tipo generico | Delivery hose for air water and non corrosive inert fluids for general industrial applications | Tuyau pour refoulement d'eau et fluides inertes, utilisé dans des applications industrielles générales | Schläuche, zum Durchleiten von Wasser, Luft, nicht aggressiven Medien, für industrielle Anwendungen |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>  | Black, smooth, <b>SBR</b> rubber compound  | Noir, lisse en caoutchouc <b>SBR</b>   | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia in gomma <b>SBR</b> , resistente all'abrasione ed agli agenti atmosferici                          | Black, smooth, <b>SBR</b> rubber compound, abrasion and weather resistant                      | <b>SBR</b> noir, lisse, résistant à l'abrasion et aux agents atmosphériques                            | Schwarz, <b>SBR</b> , glatte Ausführung, Abrieb- und Witterungsbeständig                            |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +80°C   | -22°F +176°F   | -30°C +80°C  | -30°C +80°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|----------------|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | mm             | m           |
| 6  | 1/4    | 12 | 15/32   | 0,16   | 10  | 150 | 30  | 450 | 40             | MAX 100     |
| 8  | 5/16   | 15 | 19/32   | 0,18   | 10  | 150 | 30  | 450 | 65             | MAX 100     |
| 10 | 13/32  | 17 | 21/32   | 0,21   | 10  | 150 | 30  | 450 | 80             | MAX 100     |
| 12 | 15/32  | 17 | 21/32   | 0,20   | 10  | 150 | 30  | 450 | 95             | MAX 100     |
| 13 | 1/2    | 19 | 3/4     | 0,22   | 10  | 150 | 30  | 450 | 105            | MAX 100     |
| 15 | 19/32  | 21 | 27/32   | 0,25   | 10  | 150 | 30  | 450 | 120            | MAX 100     |
| 16 | 5/8    | 23 | 29/32   | 0,31   | 10  | 150 | 30  | 450 | 130            | MAX 100     |
| 19 | 3/4    | 26 | 1 1/32  | 0,36   | 10  | 150 | 30  | 450 | 150            | MAX 100     |
| 20 | 25/32  | 30 | 1 3/16  | 0,57   | 10  | 150 | 30  | 450 | 160            | MAX 100     |
| 22 | 7/8    | 30 | 1 3/16  | 0,48   | 10  | 150 | 30  | 450 | 175            | MAX 100     |
| 25 | 1      | 33 | 1 5/16  | 0,53   | 10  | 150 | 30  | 450 | 200            | MAX 100     |
| 25 | 1      | 35 | 1 3/8   | 0,60   | 10  | 150 | 30  | 450 | 200            | MAX 100     |
| 30 | 1 3/16 | 42 | 1 21/32 | 0,84   | 10  | 150 | 30  | 450 | 240            | MAX 100     |
| 32 | 1 1/4  | 44 | 1 23/32 | 0,96   | 10  | 150 | 30  | 450 | 250            | MAX 100     |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT AQUAGEN W.P. 10 BAR D ITALY





# AQUADEL /10

TUBO MANDATA ACQUA | WATER DELIVERY HOSE  
TUYAU REFOULEMENT D'EAU | DRUCKSCHLAUCH FÜR WASSER



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|--|--|--|--|
| Mandata di acqua, aria e fluidi inerti non corrosivi, utilizzato in applicazioni industriali e di tipo generico con requisiti di particolare robustezza e flessibilità | Delivery hose for air water and non corrosive inert fluids for general industrial applications. Very strong and flexible structure | Tuyau pour refolement d' eau et fluides inertes, utilisé dans des applications industrielles générales, très souple et robuste | Schläuche, zum Durchleiten von Wasser, Luft, nicht aggressiven Medien, für industrielle Anwendungen, in verstärkter hochflexibler Ausführung |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound  | Noir, lisse en caoutchouc <b>SBR</b>   | Schwarz, glatt, in <b>SBR</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia ad impressione tela, in gomma <b>SBR</b> , resistente all'abrasione ed agli agenti atmosferici  | Black, smooth, cloth impression <b>SBR</b> rubber compound, abrasion and weather resistant   | <b>SBR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques                                       | Schwarz, <b>SBR</b> , glatte, stoffgemuster, Ausführung, Abrieb- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -30°C +80°C  | -22°F +176°F   | -30°C +80°C  | -30°C +80°C  |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 22 | 25/32  | 30 | 1 3/16  | 0,42   | 10  | 150 | 30  | 450 | 40          |
| 25 | 1      | 35 | 1 3/8   | 0,64   | 10  | 150 | 30  | 450 | 40/61       |
| 28 | 1 3/32 | 38 | 1 1/2   | 0,66   | 10  | 150 | 30  | 450 | 40/61       |
| 30 | 1 3/16 | 42 | 1 21/32 | 0,98   | 10  | 150 | 30  | 450 | 40/61       |
| 32 | 1 1/4  | 44 | 1 23/32 | 1,02   | 10  | 150 | 30  | 450 | 40/61       |
| 35 | 1 3/8  | 47 | 1 27/32 | 1,10   | 10  | 150 | 30  | 450 | 40/61       |
| 38 | 1 1/2  | 50 | 1 31/32 | 1,18   | 10  | 150 | 30  | 450 | 40/61       |
| 40 | 1 9/16 | 54 | 2 1/8   | 1,48   | 10  | 150 | 30  | 450 | 40/61       |
| 45 | 1 3/4  | 59 | 2 5/16  | 1,62   | 10  | 150 | 30  | 450 | 40/61       |
| 51 | 2      | 64 | 2 17/32 | 1,67   | 10  | 150 | 30  | 450 | 40/61       |
| 60 | 2 3/8  | 74 | 2 29/32 | 3,28   | 10  | 150 | 30  | 450 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

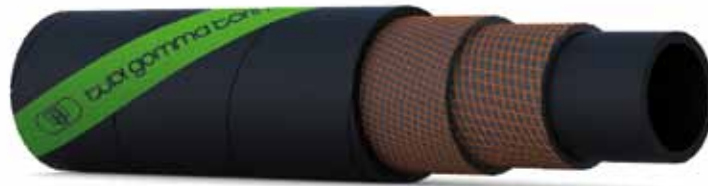
**D W.P. 10 BAR**

ITALY



# AQUAFLAT 5/10

TUBO MANDATA ACQUA APPIATTIBILE | LAYFLAT WATER DELIVERY HOSE  
TUYAU REFOULEMENT D'EAU APLATISSABLE | FLACHSCHLAUCH FÜR WASSER



| APPLICAZIONE   | APPLICATION   | APPLICATION   | ANWENDUNG   |
|--|---|---|---|
| Mandata di acqua e fluidi inerti, appiattibile, per impianti di irrigazione e pompe sommerse, anche per acque industriali e fertilizzanti liquidi naturali | Layflat delivery hose for water, liquid fertilizer and non corrosive inert fluids for irrigation, submersible pumps and general industrial applications | Tuyau aplatisable pour refolement d'eau et fluides inertes, pour l'irrigation, les pompes submergées, les eaux industrielles et l'engrais naturels liquides | Flachschlauch, für Bewässerungssysteme, auch zum Durchleiten von Abwasser, beständig gegen in Bewässerungssystemen eingesetzten Flüssigdünger, wickelbar, auch für Schlauchaufroller geeignet |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia ad impressione tela, in gomma <b>SBR</b> , resistente all'abrasione ed agli agenti atmosferici  | Black, smooth, cloth impression <b>SBR</b> rubber compound, abrasion and weather resistant  | <b>SBR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques  | Schwarz, <b>SBR</b> , glatte, stoffgemuster, Ausführung, Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +80°C  | -22°F +176°F  | -30°C +80°C   | -30°C +80°C   |

| ID  |          | OD  |          | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|----------|-----|----------|--------|-----|-----|-----|-----|-------------|
| mm  | inch     | mm  | inch     | kg/m   | bar | psi | bar | psi | m           |
| 40  | 1 9/16   | 46  | 1 13/16  | 0,55   | 10  | 150 | 30  | 450 | 20/40/61    |
| 45  | 1 3/4    | 51  | 2        | 0,58   | 10  | 150 | 30  | 450 | 20/40/61    |
| 51  | 2        | 57  | 2 1/4    | 0,69   | 10  | 150 | 30  | 450 | 20/40/61    |
| 60  | 2 3/8    | 67  | 2 41/64  | 0,94   | 10  | 150 | 30  | 450 | 20/40/61    |
| 70  | 2 3/4    | 77  | 3 1/32   | 1,09   | 10  | 150 | 30  | 450 | 20/40/61    |
| 76  | 3        | 83  | 3 9/32   | 1,18   | 10  | 150 | 30  | 450 | 20/40/61    |
| 80  | 3 5/32   | 87  | 3 7/16   | 1,24   | 10  | 150 | 30  | 450 | 20/40/61    |
| 90  | 3 17/32  | 97  | 3 27/32  | 1,39   | 10  | 150 | 30  | 450 | 20/40/61    |
| 102 | 4        | 109 | 4 19/64  | 1,57   | 10  | 150 | 30  | 450 | 20/40/61    |
| 120 | 4 23/32  | 128 | 5 1/32   | 2,1    | 10  | 150 | 30  | 450 | 20/40/61    |
| 152 | 6        | 160 | 6 5/16   | 2,65   | 10  | 150 | 30  | 450 | 20/40       |
| 203 | 8        | 215 | 8 15/32  | 5,32   | 10  | 150 | 30  | 450 | 20          |
| 254 | 10       | 267 | 10 9/16  | 7,18   | 10  | 150 | 30  | 450 | 20          |
| 305 | 12       | 319 | 12 9/16  | 9,26   | 10  | 150 | 30  | 450 | 20          |
| 350 | 13 25/32 | 365 | 13 19/32 | 10,7   | 5   | 75  | 15  | 225 | 20          |
| 400 | 15 3/4   | 417 | 15 43/64 | 13     | 5   | 75  | 15  | 225 | 13          |
| 457 | 18       | 476 | 18 3/4   | 18,4   | 5   | 75  | 15  | 225 | 12          |
| 500 | 19 11/16 | 524 | 21 3/8   | 23,75  | 5   | 75  | 15  | 225 | 12          |
| 609 | 24       | 635 | 25       | 31,2   | 5   | 75  | 15  | 225 | 12          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AQUAFLAT****D W.P. 5/10 BAR**

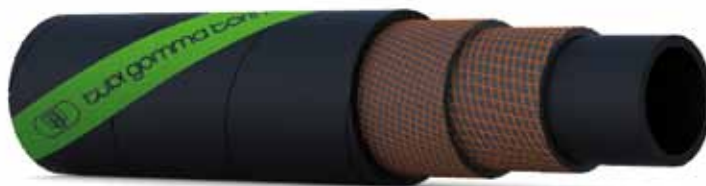
ITALY

tubi gomma torino



# AQUAFLAT /20

TUBO MANDATA ACQUA APPIATTIBILE | LAYFLAT WATER DELIVERY HOSE  
TUYAU REFOULEMENT D'EAU APLATISSABLE | FLACHSCHLAUCH FÜR WASSER



| APPLICAZIONE   | APPLICATION   | APPLICATION   | ANWENDUNG   |
|--|---|---|---|
| Mandata di acqua e fluidi inerti, appiattibile, per impianti di irrigazione e pompe sommerse, anche per acque industriali e fertilizzanti liquidi naturali | Layflat delivery hose for water, liquid fertilizer and non corrosive inert fluids for irrigation, submersible pumps and general industrial applications | Tuyau aplatisable pour refolement d'eau et fluides inertes, pour l'irrigation, les pompes submergées, les eaux industrielles et l'engrais naturels liquides | Flachschlauch, für Bewässerungssysteme, auch zum Durchleiten von Abwasser, beständig gegen in Bewässerungssystemen eingesetzten Flüssigdünger, wickelbar, auch für Schlauchaufroller geeignet |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia ad impressione tela, in gomma <b>SBR</b> , resistente all'abrasione ed agli agenti atmosferici  | Black, smooth, cloth impression <b>SBR</b> rubber compound, abrasion and weather resistant  | <b>SBR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques  | Schwarz, <b>SBR</b> , glatte, stoffgemuster, Ausführung, Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +80°C  | -22°F +176°F  | -30°C +80°C   | -30°C +80°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 60  | 2 3/8   | 69  | 2 23/32 | 1,30   | 20  | 300 | 60  | 900 | 20/40/61    |
| 80  | 3 5/32  | 91  | 3 19/32 | 1,99   | 20  | 300 | 60  | 900 | 20/40/61    |
| 102 | 4       | 113 | 4 7/16  | 2,51   | 20  | 300 | 60  | 900 | 20/40/61    |
| 120 | 4 23/32 | 131 | 4 3/4   | 2,93   | 20  | 300 | 60  | 900 | 20/40/61    |
| 152 | 6       | 163 | 6 29/64 | 3,67   | 20  | 300 | 60  | 900 | 20/40/61    |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

 **AQUAFLAT**

**D W.P. 20 BAR**

ITALY

 tubi gamma torino



# AQUAMASTER SD /10

TUBO ASPIRAZIONE E MANDATA ACQUA | WATER SUCTION AND DELIVERY HOSE  
TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU | SAUG-UND DRUCKSCHLAUCH FÜR WASSER

| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|--|---|---|
| Aspirazione e mandata di acqua e fluidi inerti, per impianti di irrigazione a pioggia, molto flessibile e robusto | Suction and delivery hose for water and inert fluids for sprinkler irrigation equipments. Very strong and flexible structure | Tuyau pour aspiration et refoulement d'eau et fluides inertes, pour systèmes d'irrigation à pluie. Très souple et robuste | Saug- und Druckschlauch, zum Durchleiten von Wasser, besonders geeignet für Sprinkleranlagen, in verstärkter hochflexibler Ausführung |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>  | Black, smooth, <b>SBR</b> rubber compound  | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia ad impressione tela in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici   | Black, smooth, cloth impression <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant                              | <b>SBR/EPDM</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques                             | Schwarz, glatte und stoffgemustert, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +80°C   | -22°F +176°F   | -30°C +80°C   | -30°C +80°C   |

| ID   | OD      | WEIGHT | WP  | BP  | BENDING RADIUS | VACUUM | COIL LENGTH |  |  |  |  |
|------|---------|--------|-----|-----|----------------|--------|-------------|--|--|--|--|
| mm   | inch    | kg/m   | bar | psi | mm             | bar    | m           |  |  |  |  |
| 19   | 3/4     | 0,55   | 10  | 150 | 115            | 0,9    | 20/40/61    |  |  |  |  |
| 25   | 1       | 0,77   | 10  | 150 | 150            | 0,9    | 20/40/61    |  |  |  |  |
| 30   | 1 3/4   | 0,91   | 10  | 150 | 180            | 0,9    | 20/40/61    |  |  |  |  |
| 32   | 1 1/4   | 0,97   | 10  | 150 | 190            | 0,9    | 20/40/61    |  |  |  |  |
| 35   | 1 3/8   | 1,08   | 10  | 150 | 210            | 0,9    | 20/40/61    |  |  |  |  |
| 38   | 1 1/2   | 1,20   | 10  | 150 | 230            | 0,9    | 20/40/61    |  |  |  |  |
| 40   | 1 9/16  | 1,28   | 10  | 150 | 240            | 0,9    | 20/40/61    |  |  |  |  |
| 45   | 1 25/32 | 1,49   | 10  | 150 | 270            | 0,9    | 20/40/61    |  |  |  |  |
| 51   | 2       | 1,76   | 10  | 150 | 310            | 0,9    | 20/40/61    |  |  |  |  |
| 60   | 2 3/8   | 1,93   | 10  | 150 | 360            | 0,9    | 20/40/61    |  |  |  |  |
| 63,5 | 2 1/2   | 2,40   | 10  | 150 | 380            | 0,9    | 20/40/61    |  |  |  |  |
| 70   | 2 3/4   | 2,65   | 10  | 150 | 420            | 0,9    | 20/40/61    |  |  |  |  |
| 76   | 3       | 2,85   | 10  | 150 | 460            | 0,9    | 20/40/61    |  |  |  |  |
| 80   | 3 5/32  | 3,09   | 10  | 150 | 480            | 0,9    | 20/40/61    |  |  |  |  |
| 90   | 3 17/32 | 3,20   | 10  | 150 | 540            | 0,9    | 20/40/61    |  |  |  |  |
| 102  | 4       | 4,00   | 10  | 150 | 610            | 0,9    | 20/40/61    |  |  |  |  |
| 110  | 4 11/32 | 4,66   | 10  | 150 | 660            | 0,9    | 20/40/61    |  |  |  |  |
| 120  | 4 23/32 | 5,21   | 10  | 150 | 720            | 0,9    | 20/40/61    |  |  |  |  |
| 127  | 5       | 7,00   | 10  | 150 | 760            | 0,9    | 20/40/61    |  |  |  |  |
| 152  | 6       | 10,00  | 10  | 150 | 920            | 0,8    | 20/40/61    |  |  |  |  |
| 203  | 8       | 17,00  | 10  | 150 | 1220           | 0,7    | 20/40       |  |  |  |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AQUAMASTER**

SD W.P. 10 BAR

ITALY



tubi gomma torino



# AQUACORR SD 5/10

TUBO ASPIRAZIONE E MANDATA ACQUA, COPERTURA ONDULATA | WATER SUCTION AND DELIVERY HOSE, CORRUGATED COVER  
TUYAU ONDULE POUR ASPIRATION ET REFOULEMEN D'EAU | SAUG-UND DRUCKSCHLAUCH FÜR WASSER, DECKE GEWELLT



| APPLICAZIONE   | APPLICATION  | APPLICATION   | ANWENDUNG   |
|--|--|---|---|
| Aspirazione e mandata di acqua e liquami per carribotte, irrigazione, spurghi ed impieghi generici. Le tubazioni sono provviste di manicotti lisci all'estremità | Suction and delivery hose for sewage discharge, water and slurry, drains and general applications. The hoses are provided with smooth cuffs at both ends | Tuyau pour aspiration et refolement pour travail d' assainissement et curage, pour eau, eaux d'égout et fluides inertes. Ces tuyaux équipés avec manchettes lisses aux extrémités | Saug- und Druckschlauch, für Wasser, Abwasser, Jauche und Schlämme, für Tankwagen und generellen Einsatz, mit spiralfreien Muffen an beiden Enden |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound  | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, ondulata ad impressione tela in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici  | Black, corrugated, cloth impression <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant  | <b>SBR/EPDM</b> noir, ondulé, grain toile, résistant à l'abrasion et aux agents atmosphériques  | Schwarz, gewellt, stoffgemustert, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +80°C  | -22°F +176°F   | -30°C +80°C   | -30°C +80°C   |

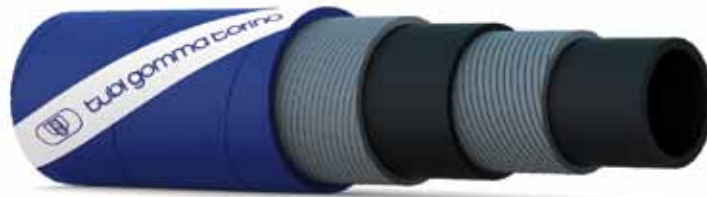
| ID  |          | CUFFS (THK x L) |     | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|----------|-----------------|-----|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch     | mm              | mm  | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 51  | 2        | 6               | 50  | 1,6    | 10  | 150 | 30  | 450 | 250            | 0,8    | 2/3/4/5/6   |
| 60  | 2 3/8    | 6               | 60  | 1,8    | 10  | 150 | 30  | 450 | 300            | 0,8    | 2/3/4/5/6   |
| 76  | 3        | 7               | 76  | 2,45   | 10  | 150 | 30  | 450 | 380            | 0,8    | 2/3/4/5/6   |
| 80  | 3 5/32   | 8               | 80  | 2,77   | 10  | 150 | 30  | 450 | 400            | 0,8    | 2/3/4/5/6   |
| 102 | 4        | 9               | 100 | 3,4    | 10  | 150 | 30  | 450 | 500            | 0,8    | 2/3/4/5/6   |
| 110 | 4 11/32  | 9               | 110 | 3,82   | 10  | 150 | 30  | 450 | 550            | 0,8    | 2/3/4/5/6   |
| 120 | 4 23/32  | 10              | 120 | 4,36   | 10  | 150 | 30  | 450 | 600            | 0,8    | 2/3/4/5/6   |
| 127 | 5        | 10              | 130 | 4,5    | 5   | 75  | 15  | 225 | 635            | 0,8    | 2/3/4/5/6   |
| 133 | 5 1/4    | 10              | 130 | 4,7    | 5   | 75  | 15  | 225 | 665            | 0,8    | 2/3/4/5/6   |
| 152 | 6        | 11              | 150 | 5,6    | 5   | 75  | 15  | 225 | 750            | 0,8    | 2/3/4/5/6   |
| 203 | 8        | 13              | 200 | 9,6    | 5   | 75  | 15  | 225 | 1015           | 0,8    | 2/3/4/5/6   |
| 254 | 10       | 13              | 250 | 12,3   | 5   | 75  | 15  | 225 | 1270           | 0,7    | 2/3/4/5/6   |
| 305 | 12       | 13              | 300 | 16,6   | 5   | 75  | 15  | 225 | 1525           | 0,7    | 2/3/4/5/6   |
| 350 | 13 25/32 | 16              | 350 | 19,25  | 3   | 45  | 9   | 135 | 1750           | 0,7    | 2/3/4/5/6   |
| 400 | 15 3/4   | 16              | 400 | 36     | 3   | 45  | 9   | 135 | 2015           | 0,7    | 2/3/4/5/6   |
| 457 | 18       | 18              | 450 | 26     | 3   | 45  | 9   | 135 | 2285           | 0,7    | 2/3/4/5/6   |
| 500 | 19 11/16 | 22              | 500 | 40,75  | 3   | 45  | 9   | 135 | 2500           | 0,6    | 2/3/4/5/6   |
| 609 | 24       | 25              | 600 | 50,68  | 3   | 45  | 9   | 135 | 3045           | 0,6    | 2/3/4/5/6   |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



# X-TREME /60 - SNOW GUN HOSE

TUBO MANDATA ACQUA PER INNEVAMENTO | WATER DELIVERY HOSE FOR SNOW GUN  
 TUYAU REFOULEMENT POUR CANNON D'ENNEIGEMENT | DRUCKSCHLAUCH FÜR KÜNSTLICHEN VERSCHNEIEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|---|---|--|
| Mandata di acqua alta pressione per innevamento artificiale delle piste da sci  | Delivery hose for water for snow guns equipments  | Tuyau pour refolement d'eau pour installations d'enneigement artificiel                               | Druckschlauch, für Wasser und Anlagen von Verschneien                              |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Blu, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | Blue, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering. | <b>EPDM</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques. | Blau, stoffgemustert, <b>EPDM</b> Qualität, Abrieb-, Ozon- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C  | -40°F +248°F  | -40°C +120°C  | -40°C +120°C   |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|------|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 25 | 1     | 36 | 1 13/32 | 0,70   | 60  | 900 | 180 | 2700 | 40          |
| 32 | 1 1/4 | 43 | 1 11/16 | 0,90   | 60  | 900 | 180 | 2700 | 40          |
| 38 | 1 1/2 | 52 | 2 1/16  | 1,70   | 60  | 900 | 180 | 2700 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# X-TREME /100 - SNOW GUN HOSE

TUBO MANDATA ACQUA PER INNEVAMENTO | WATER DELIVERY HOSE FOR SNOW GUN  
TUYAU REFOULEMENT POUR CANNON D'ENNEIGEMENT | DRUCKSCHLAUCH FÜR KÜNSTLICHEN VERSCHNEIEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|---|---|--|
| Mandata di acqua alta pressione per innevamento artificiale delle piste da sci  | Delivery hose for water for snow guns equipments  | Tuyau pour refolement d'eau pour installations d'enneigement artificiel                               | Druckschlauch, für Wasser und Anlagen von Verschneien                              |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Fili d'acciaio ad alta resistenza   | High tensile strength steel reinforcements  | Nappes en acier très résistantes  | Hochreißfestes Stahlgeflect  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Blu, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | Blue, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering. | <b>EPDM</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques. | Blau, stoffgemustert, <b>EPDM</b> Qualität, Abrieb-, Ozon- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C  | -40°F +248°F  | -40°C +120°C  | -40°C +120°C   |

| ID |       | OD |         | WEIGHT | WP  |      | BP  |      | COIL LENGTH |
|----|-------|----|---------|--------|-----|------|-----|------|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi  | bar | psi  | m           |
| 25 | 1     | 36 | 1 13/32 | 0,90   | 100 | 1500 | 250 | 3750 | 40          |
| 32 | 1 1/4 | 43 | 1 11/16 | 1,10   | 100 | 1500 | 250 | 3750 | 40          |
| 38 | 1 1/2 | 52 | 2 1/16  | 1,90   | 100 | 1500 | 250 | 3750 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# **CALOR**

ACQUA CALDA E VAPORE | HOT WATER AND STEAM  
EAU CHAUDE ET VAPEUR | WARMES WASSER UND DAMPF





|   | DESCRIZIONE   | DESCRIPTION   | DESCRIPTION  | ANWENDUNG   | page |
|---|---|---|--|---|------|
| <b>CALORWATER</b><br><b>120°C L/L</b>           | TUBO PER ACQUA CALDA<br>LONG LENGTH   | LONG LENGTH HOT WATER<br>HOSE   | TUYAU POUR EAU CHAUDE  | DRUCKSCHLAUCH FÜR<br>WARMES WASSER  | 16   |
| <b>CALORFOOD</b><br><b>102°C FDA L/L</b>        | TUBO ALIMENTARE PER<br>ACQUA CALDA FDA LONG<br>LENGTH   | FDA LONG LENGTH HOT<br>WATER HOSE   | TUYAU ALIMENTAIRE FDA<br>POUR EAU CHAUDE   | DRUCKSCHLAUCH FÜR<br>WARMES WASSER UND<br>LEBENSMITTEL - FDA                          | 17   |
| <b>CALORAD</b>                                  | TUBO RADIATORI AUTO   | RADIATOR HOSE   | TUYAU RADIATEUR  | KÜHLERSCHLAUCH  | 18   |
| <b>CALORDIN</b>                                 | TUBO RADIATORI AUTO DIN<br>73411-79   | RADIATOR HOSE DIN<br>73411-79   | TUYAU RADIATEUR DIN<br>73411-79  | KÜHLERSCHLAUCH DIN<br>73411-79  | 19   |
| <b>CALORGEN 120°C</b>                           | TUBO PER ACQUA CALDA  | HOT WATER HOSE  | TUYAU POUR EAU CHAUDE  | DRUCKSCHLAUCH FÜR<br>WARMES WASSER  | 20   |
| <b>CALORFLEX SD /5</b>                          | TUBO RADIATORI AUTO<br>GRECATO  | RADIATOR HOSE<br>CORRUGATED   | TUYAU RADIATEUR AVEC<br>ONDULATION CARREE  | KÜHLERSCHLAUCH<br>GERIEFT   | 21   |
| <b>CALORSTEAM 170°C</b>                         | TUBO VAPORE RINFORZO<br>TESSILE 7 BAR   | TEXTILE REINFORCEMENT<br>STEAM HOSE 7BAR  | TUYAU NAPPE TEXTILE<br>VAPEUR 7BAR   | DAMPFSCHLAUCH MIT<br>TEXTILEINLAGEN 7 BAR   | 22   |
| <b>CALORSTEAM 170°C</b><br><b>ISO 6134- 1A</b>  | TUBO VAPORE RINFORZO<br>TESSILE ISO 6134-1A   | TEXTILE REINFORCEMENT<br>STEAM HOSE ISO 6134-1A   | TUYAU NAPPE.TEXTILE<br>VAPEUR ISO 6134-1A  | DAMPFSCHLAUCH MIT<br>TEXTILEINLAGEN ISO<br>6134-1A                                    | 23   |
| <b>CALORSTEAM 170°C</b><br><b>ISO 6134- 1B</b>  | TUBO VAPORE RINFORZO<br>TESSILE ISO 6134-1B   | TEXTILE REINFORCEMENT<br>STEAM HOSE ISO 6134-1B   | TUYAU NAPPE.TEXTILE<br>VAPEUR ISO 6134-1B  | DAMPFSCHLAUCH MIT<br>TEXTILEINLAGEN ISO<br>6134-1B                                    | 24   |
| <b>CALORSTEAM /AL FDA</b><br><b>170°C</b>       | TUBO VAPORE RINFORZO<br>TESSILE 7 BAR - FDA   | TEXTILE REINFORCEMENT<br>STEAM HOSE 7BAR - FDA  | TUYAU NAPPE.TEXTILE<br>VAPEUR 7BAR - FDA   | DAMPFSCHLAUCH MIT<br>TEXTILEINLAGEN 7 BAR FDA   | 25   |
| <b>CALORMASTER</b><br><b>N /210°C</b>           | TUBO VAPORE RINFORZO<br>METALLICO 1 7 BAR- BS<br>5342 -2A   | STEEL WIRE<br>REINFORCEMENT STEAM<br>HOSE 17BAR- BS 5342 -2A                                | TUYAU NAPPE ACIER<br>VAPEUR 17BAR BS 5342-2A   | DAMPFSCHLAUCH MIT<br>STAHLGEFLECT 17 BAR BS<br>5342-2A                                | 26   |
| <b>CALORSTAR R /210°C</b>                       | TUBO VAPORE RINFORZO<br>METALLICO 1 7 BAR- BS<br>5342 -2A   | STEEL WIRE<br>REINFORCEMENT STEAM<br>HOSE 17BAR- BS 5342 -2A                                | TUYAU NAPPE. ACIER<br>VAPEUR 17BAR BS 5342-2A  | DAMPFSCHLAUCH MIT<br>STAHLGEFLECHT 17 BAR BS<br>5342-2A                               | 27   |
| <b>CALORSTAR R /210°C</b><br><b>ISO 6134 2A</b> | TUBO VAPORE RINF.<br>METALLICO 18 BAR- ISO<br>6134-2A   | STEEL WIRE<br>REINFORCEMENT. STEAM<br>HOSE 18 BAR- ISO 6134-2A                              | TUYAU NAPPE ACIER<br>VAPEUR 18 BAR ISO 6134-2A   | DAMPFSCHLAUCH MIT<br>STAHLGEFLECHT 18 BAR<br>ISO 6134-2A                              | 28   |
| <b>CALORSTAR R /210°C</b><br><b>ISO 6134 2B</b> | TUBO VAPORE RINFORZO<br>METALLICO 18 BAR- ISO<br>6134 -2B   | STEEL WIRE<br>REINFORCEMENT STEAM<br>HOSE 18 BAR- ISO 6134 -2B                              | TUYAU NAPPE ACIER<br>VAPEUR 18 BAR ISO 6134-2B   | DAMPFSCHLAUCH MIT<br>STAHLGEFLECHT 18 BAR<br>ISO 6134-2B                              | 29   |
| <b>CALORGLAS</b><br><b>10 /500 FV</b>           | TUBO ACQUA DI<br>RAFFREDDAMENTO -<br>COPERTURA FIBRA VETRO  | WATER COOLING HOSE -<br>GLASS CLOTH COVER   | TUYAU POUR EAU DE<br>REFROIDISSEMENT -<br>REVETEMENT EN FIBRE DE<br>VERRE  | KÜHLWASSERSCHLAUCH<br>MIT FIBERGLAS DECKE   | 30   |
| <b>CALORGLAS</b><br><b>20 /500 FV</b>           | TUBO ACQUA DI<br>RAFFREDDAMENTO -<br>COPERTURA FIBRA VETRO  | WATER COOLING HOSE -<br>GLASS CLOTH COVER   | TUYAU POUR EAU DE<br>REFROIDISSEMENT -<br>REVETEMENT EN FIBRE DE<br>VERRE  | KÜHLWASSERSCHLAUCH<br>MIT FIBERGLAS DECKE   | 31   |
| <b>CALORSILICA 10 /1100</b>                     | TUBO ACQUA DI<br>RAFFREDDAMENTO -<br>COPERTURA FIBRA SILICIO  | WATER COOLING HOSE -<br>SILICA CLOTH COVER  | TUYAU POUR EAU DE<br>REFROIDISSEMENT -<br>REVETEMENT EN FIBRE DE<br>SILICE   | KÜHLWASSERSCHLAUCH<br>MIT SILIZIUMFIBER DECKE   | 32   |
| <b>CALORSILICA 10 /1100</b><br><b>RC</b>        | TUBO ACQUA DI<br>RAFFREDDAMENTO FIBRA<br>SILICIO - COPERTURA<br>GOMMATA                               | WATER COOLING HOSE-<br>SILICA CLOTH - RUBBER<br>COVER                                       | TUYAU POUR EAU DE<br>REFROIDISSEMENT<br>EN FIBRE DE SILICE<br>- REVETEMENT EN<br>CAOUTCHOUC                              | KÜHLWASSERSCHLAUCH<br>MIT SILIZIUMFIBER UND<br>GUMMI DECKE                            | 33   |
| <b>SILCORD</b>                                  | TUBO MANDATA ACQUA<br>DI RAFFREDDAMENTO<br>PER MEDIE E ALTE<br>TEMPERATURE                            | WATER COOLING DELIVERY<br>HOSE FOR MEDIUM AND<br>HIGH TEMPERATURE                           | TUYAU POUR<br>REFOULEMENT D' EAU DE<br>REFROIDISSEMENT AVEC<br>TEMPERATURES MOIENNES<br>ET ELEVEES                       | KÜHL-<br>DRUCKWASSERSCHLAUCH<br>FÜR HOHEN UND<br>MITTLEREN TEMPERATUREN               | 34   |
| <b>SILAR</b>                                    | TUBO MANDATA ACQUA DI<br>RAFFREDDAMENTO PER<br>ALTE TEMPERATURE                                       | WATER COOLING<br>DELIVERY HOSE FOR HIGH<br>TEMPERATURE                                      | TUYAU POUR<br>REFOULEMENT D' EAU DE<br>REFROIDISSEMENT AVEC<br>TEMPERATURES ELEVEES                                      | KÜHL-<br>DRUCKWASSERSCHLAUCH<br>FÜR HOHEN<br>TEMPERATUREN                             | 35   |
| <b>SILSPIR</b>                                  | TUBO ASPIRAZIONE E<br>MANDATA ACQUA DI<br>RAFFREDDAMENTO PER<br>ALTE TEMPERATURE                      | WATER COOLING SUCTION<br>AND DELIVERY HOSE FOR<br>HIGH TEMPERATURE                          | TUYAU POUR ASPIRATION<br>ET REFOULEMENT D' EAU<br>DE REFROIDISSEMENT AVEC<br>TEMPERATURES ELEVEES                        | SAUG- UND DRUCK-<br>KÜHLWASSERSCHLAUCH<br>FÜR HOHEN<br>TEMPERATUREN                   | 36   |
| <b>SILFLEX</b>                                  | TUBO ASPRAZIONE E<br>MANDATA ACQUA DI<br>RAFFREDDAMENTO PER<br>ALTE TEMPERATURE-<br>COPERTURA GRECATA | WATER COOLING SUCTION<br>AND DELIVERY HOSE FOR<br>HIGH TEMPERATURE - HELIX<br>GROOVED COVER | TUYAU POUR ASPIRATION<br>ET REFOULEMENT D' EAU<br>DE REFROIDISSEMENT AVEC<br>TEMPERATURES ELEVEES -<br>ONDULATION CARREE | SAUG-UND DRUCK-<br>KÜHLWASSERSCHLAUCH<br>FÜR HOHEN<br>TEMPERATUREN - DECKE<br>GERIEFT | 37   |



# CALORWATER 120°C L/L

TUBO PER ACQUA CALDA LONG LENGTH | LONG LENGTH HOT WATER HOSE  
TUYAU POUR EAU CHAUDE | DRUCKSCHLAUCH FÜR WARMES WASSER

| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|---|---|---|
| Mandata acqua calda e fluidi refrigeranti a media aggressività, utilizzati nei circuiti di raffreddamento e riscaldamento delle autovetture. Ottimo anche per lavaggio a bassa pressione | Delivery hose for hot water and coolant fluid with medium aggressiveness, applied in engine cooling and heating system. Excellent also for washdown use | Tuyau pour refoulement d'eau chaude et fluides de réfrigération, employé pour les radiateurs automobiles. Excellent même pour lavage à basse pression | Heiß- und Kaltwasserschlauch, zum Einsatz in Motoren- und Kühlsystemen, zur Verwendung als Industrieschlauch, beständig gegen Reinigungsmittel in handelsüblicher Konzentration |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | RETEVEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici  | Black, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant  | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques  | Schwarz, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +120°C   | -40°F +248°F  | -40°C +120°C  | -40°C +120°C  |

| ID |       | OD |        | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|-------|----|--------|--------|-----|-----|-----|-----|-------------|
| mm | inch  | mm | inch   | kg/m   | bar | psi | bar | psi | m           |
| 5  | 3/16  | 11 | 7/16   | 0,12   | 10  | 150 | 30  | 450 | MAX 100     |
| 6  | 1/4   | 13 | 33/64  | 0,14   | 10  | 150 | 30  | 450 | MAX 100     |
| 8  | 5/16  | 15 | 19/32  | 0,17   | 10  | 150 | 30  | 450 | MAX 100     |
| 10 | 3/8   | 17 | 21/32  | 0,18   | 10  | 150 | 30  | 450 | MAX 100     |
| 12 | 15/32 | 19 | 3/4    | 0,22   | 10  | 150 | 30  | 450 | MAX 100     |
| 13 | 1/2   | 20 | 25/32  | 0,24   | 10  | 150 | 30  | 450 | MAX 100     |
| 14 | 35/64 | 22 | 7/8    | 0,27   | 10  | 150 | 30  | 450 | MAX 100     |
| 15 | 19/32 | 23 | 29/32  | 0,32   | 10  | 150 | 30  | 450 | MAX 100     |
| 16 | 5/8   | 23 | 29/32  | 0,29   | 10  | 150 | 30  | 450 | MAX 100     |
| 18 | 23/32 | 26 | 1 1/64 | 0,37   | 10  | 150 | 30  | 450 | MAX 100     |
| 19 | 3/4   | 27 | 1 3/32 | 0,39   | 10  | 150 | 30  | 450 | MAX 100     |
| 20 | 25/32 | 28 | 1 1/8  | 0,42   | 10  | 150 | 30  | 450 | MAX 100     |
| 22 | 7/8   | 30 | 1 3/16 | 0,51   | 10  | 150 | 30  | 450 | MAX 100     |
| 25 | 1     | 34 | 1 3/8  | 0,60   | 10  | 150 | 30  | 450 | MAX 100     |

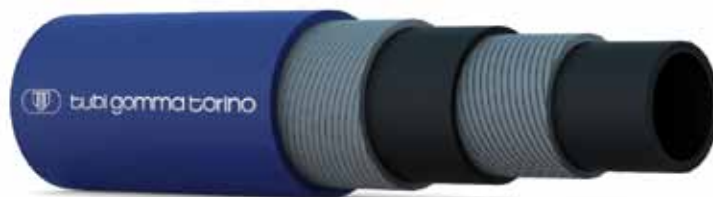
IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT CALORWATER W.P.10 BAR D ITALY



# CALORFOOD 120°C FDA L/L

TUBO ALIMENTARE PER ACQUA CALDA FDA LONG LENGTH | FDA LONG LENGTH HOT WATER HOSE  
TUYAU ALIMENTAIRE FDA POUR EAU CHAUDE | DRUCKSCHLAUCH FÜR WARMES WASSER UND LEBENSMITTEL - FDA



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|---|---|---|
| Mandata acqua potabile calda e fluidi detergenti. Utilizzato per lavastoviglie industriali ed in generale per lavaggio attrezzature e pavimenti all'interno di aree produttive di aziende alimentari | Delivery hose for potable hot water and detergents. Used for industrial washing machines; recommended for washdown use in poultry farms and dairies | Tuyau pour refoulement d'eau chaude et détergents, employé pour les machines lavage industrielles et en général pour lavage des industries alimentaires | Heißwasserschlauch, zum Durchleiten von Heisswasser mit Reinigungsmitteln, zum Einsatz in Industrie-Waschmaschinen, geeignet zur Reinigung von Rinder-, Schweine- und Geflügelställen |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b> , di qualità alimentare (su richiesta <b>EPDM</b> bianca)  | Black, smooth, food quality <b>EPDM</b> rubber compound (available on demand with white <b>EPDM</b> )   | Noir, lisse en caoutchouc <b>EPDM</b> de qualité alimentaire (disponible aussi en <b>EPDM</b> blanc)  | Schwarz, glatt, in lebensmittelbeständiger <b>EPDM</b> -Qualität (aufBefragen weiß <b>EPDM</b> Gummi)   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Blu, liscia in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici  | Blue, smooth, <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant  | <b>EPDM</b> bleu, lisse, résistant à l'abrasion, à l'ozone et aux agents atmosphériques   | Blau, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN  |
| FDA titolo 21, articolo 177.2600 per alimenti acquosi  | FDA title 21, art.177.2600 for aqueous foods  | FDA titre 21, article 177.2600 pour aliments aqueux   | FDA Titel 21, Art. 177.2600 für flüssige Nahrungsmittel   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +120°C   | -40°F +248°F  | -40°C +120°C  | -40°C +120°C  |

| ID |       | OD   |       | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|-------|------|-------|--------|-----|-----|-----|-----|-------------|
| mm | inch  | mm   | inch  | kg/m   | bar | psi | bar | psi | m           |
| 6  | 1/4   | 13   | 33/64 | 0,14   | 10  | 150 | 30  | 450 | MAX 100     |
| 8  | 5/16  | 15   | 19/32 | 0,17   | 10  | 150 | 30  | 450 | MAX 100     |
| 10 | 13/32 | 17   | 21/32 | 0,18   | 10  | 150 | 30  | 450 | MAX 100     |
| 11 | 7/16  | 19   | 3/4   | 0,20   | 10  | 150 | 30  | 450 | MAX 100     |
| 12 | 15/32 | 19,5 | 49/64 | 0,23   | 10  | 150 | 30  | 450 | MAX 100     |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT CALORFOOD W.P.10 BAR FDA ITALY



# CALORAD

TUBO RADIATORI AUTO | RADIATOR HOSE  
TUYAU RADIATEUR | KÜHLERSCHLAUCH

| APPLICAZIONE  | APPLICATION  | APPLICATION  | ANWENDUNG  |
|---|--|--|--|
| Mandata acqua calda e fluidi refrigeranti, utilizzati nei circuiti di raffreddamento e riscaldamento delle autovetture  | Delivery hose for hot water and coolant fluid, applied in engine cooling and heating system. Radiator hose | Tuyau pour refoulement d'eau chaude et fluides de réfrigération, employé pour les radiateurs des véhicules | Heiß- und Kaltwasserschlauch, zum Einsatz in Motoren- und Kühlsystemen, zur Verwendung als Industrie- und Radiatorschlauch |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>  | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant         | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques       | Schwarz, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +120°C  | -40°F +248°F   | -40°C +120°C   | -40°C +120°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 18  | 23/32   | 24  | 15/16   | 0,28   | 3   | 45  | 10  | 150 | 1/40/61     |
| 20  | 25/32   | 26  | 1 1/32  | 0,30   | 3   | 45  | 10  | 150 | 1/40/61     |
| 22  | 7/8     | 28  | 1 3/32  | 0,32   | 3   | 45  | 10  | 150 | 1/40/61     |
| 25  | 1       | 32  | 1 1/4   | 0,42   | 3   | 45  | 10  | 150 | 1/40/61     |
| 28  | 1 3/32  | 36  | 1 13/32 | 0,47   | 3   | 45  | 10  | 150 | 1/40/61     |
| 30  | 1 3/16  | 38  | 1 1/2   | 0,53   | 3   | 45  | 10  | 150 | 1/40/61     |
| 32  | 1 1/4   | 40  | 1 9/16  | 0,57   | 3   | 45  | 10  | 150 | 1/40/61     |
| 35  | 1 3/8   | 43  | 1 11/16 | 0,61   | 3   | 45  | 10  | 150 | 1/40/61     |
| 38  | 1 1/2   | 47  | 1 7/8   | 0,75   | 3   | 45  | 10  | 150 | 1/40/61     |
| 40  | 1 9/16  | 49  | 1 15/16 | 0,86   | 3   | 45  | 10  | 150 | 1/40/61     |
| 42  | 1 21/32 | 51  | 2       | 0,90   | 3   | 45  | 10  | 150 | 1/40/61     |
| 45  | 1 3/4   | 54  | 2 1/8   | 0,92   | 3   | 45  | 10  | 150 | 1/40/61     |
| 48  | 1 7/8   | 58  | 2 9/32  | 1,04   | 3   | 45  | 10  | 150 | 1/40/61     |
| 51  | 2       | 61  | 2 3/8   | 1,10   | 3   | 45  | 10  | 150 | 1/40/61     |
| 55  | 2 5/32  | 65  | 2 9/16  | 1,18   | 3   | 45  | 10  | 150 | 1/40/61     |
| 60  | 2 3/8   | 70  | 2 3/4   | 1,28   | 3   | 45  | 10  | 150 | 1/40/61     |
| 65  | 2 9/16  | 75  | 3       | 1,37   | 3   | 45  | 10  | 150 | 1/40/61     |
| 70  | 2 3/4   | 80  | 3 5/32  | 1,47   | 3   | 45  | 10  | 150 | 1/40/61     |
| 76  | 3       | 86  | 3 3/8   | 1,59   | 3   | 45  | 10  | 150 | 1/40/61     |
| 80  | 3 5/32  | 92  | 3 5/8   | 1,90   | 3   | 45  | 10  | 150 | 1/40/61     |
| 90  | 3 17/32 | 102 | 4       | 2,15   | 3   | 45  | 10  | 150 | 1/40/61     |
| 102 | 4       | 113 | 4 7/16  | 2,35   | 3   | 45  | 10  | 150 | 1/40/61     |
| 110 | 4 5/16  | 123 | 4 13/16 | 2,50   | 3   | 45  | 10  | 150 | 1/40/61     |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT CALORAD

D

W.P. 3 BAR

ITALY

tubi gomma torino



# CALORDIN

TUBO RADIATORI AUTO DIN 73411-79 | RADIATOR HOSE DIN 73411-79  
TUYAU RADIATEUR DIN 73411-79 | KÜHLERSCHLAUCH DIN 73411-79



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|--|---|--|
| Mandata acqua calda e fluidi refrigeranti, utilizzati nei circuiti di raffreddamento e riscaldamento delle autovetture  | Delivery hose for hot water and coolant fluid, applied in engine cooling and heating system. Radiator hose | Tuyau pour refoulement d' eau chaude et fluides de réfrigération, employé pour les radiateurs des véhicules | Heiß- und Kaltwasserschlauch, zum Einsatz in Motoren- und Kühlsystemen, zur Verwendung als Industrie- und Radiatorschlauch |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant         | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques        | Schwarz, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN   |
| DIN 73411:79  | DIN 73411:79   | DIN 73411:79  | DIN 73411:79   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C  | -40°F +248°F   | -40°C +120°C  | -40°C +120°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 18  | 23/32   | 25  | 1       | 0,30   | 4   | 60  | 12  | 180 | 1/40/61     |
| 20  | 25/32   | 27  | 1 1/16  | 0,32   | 4   | 60  | 12  | 180 | 1/40/61     |
| 22  | 7/ 8    | 29  | 1 5/16  | 0,35   | 4   | 60  | 12  | 180 | 1/40/61     |
| 25  | 1       | 33  | 1 5/16  | 0,42   | 4   | 60  | 12  | 180 | 1/40/61     |
| 28  | 1 3/32  | 36  | 1 13/32 | 0,47   | 4   | 60  | 12  | 180 | 1/40/61     |
| 30  | 1 3/16  | 38  | 1 1/2   | 0,53   | 4   | 60  | 12  | 180 | 1/40/61     |
| 32  | 1 1/4   | 40  | 1 9/16  | 0,57   | 4   | 60  | 12  | 180 | 1/40/61     |
| 35  | 1 3/8   | 43  | 1 11/16 | 0,61   | 4   | 60  | 12  | 180 | 1/40/61     |
| 38  | 1 1/2   | 47  | 1 7/8   | 0,75   | 4   | 60  | 12  | 180 | 1/40/61     |
| 40  | 1 9/16  | 50  | 1 31/32 | 0,88   | 4   | 60  | 12  | 180 | 1/40/61     |
| 42  | 1 21/32 | 52  | 2 1/16  | 0,92   | 4   | 60  | 12  | 180 | 1/40/61     |
| 45  | 1 3/4   | 55  | 2 5/32  | 0,98   | 4   | 60  | 12  | 180 | 1/40/61     |
| 48  | 1 7/8   | 58  | 2 9/32  | 1,04   | 4   | 60  | 12  | 180 | 1/40/61     |
| 51  | 2       | 61  | 2 3/8   | 1,10   | 4   | 60  | 12  | 180 | 1/40/61     |
| 55  | 2 5/32  | 65  | 2 9/16  | 1,18   | 4   | 60  | 12  | 180 | 1/40/61     |
| 60  | 2 3/8   | 70  | 2 3/4   | 1,28   | 4   | 60  | 12  | 180 | 1/40/61     |
| 65  | 2 9/16  | 75  | 3       | 1,37   | 4   | 60  | 12  | 180 | 1/40/61     |
| 70  | 2 3/4   | 80  | 3 5/32  | 1,47   | 4   | 60  | 12  | 180 | 1/40/61     |
| 76  | 3       | 86  | 3 3/8   | 1,59   | 4   | 60  | 12  | 180 | 1/40/61     |
| 102 | 4       | 114 | 4 31/64 | 2,54   | 4   | 60  | 12  | 180 | 1/40/61     |
| 110 | 4 5/16  | 124 | 4 7/8   | 2,65   | 4   | 60  | 12  | 180 | 1/40/61     |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

ITALY



# CALORGEN 120°C

TUBO PER ACQUA CALDA | HOT WATER HOSE  
TUYAU POUR EAU CHAUDE | DRUCKSCHLAUCH FÜR WARMES WASSER



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|---|---|--|
| Mandata acqua calda mista a vapore. Particolarmente indicato per lance di lavaggio idropultrici a bassa pressione       | Delivery hose for hot water mixed with steam (not saturated). Very good for low pressure power washer machines. | Tuyau pour refoulement d'eau chaude et vapeur ( pas saturée), excellent pour nettoyeur basse pression | Heißwasser- und Dampfschlauch, für ungesättigten Dampf, besonders geeignet für Niederdruckreiniger (Tank- und Werkzeugreinigung) |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant              | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques  | Schwarz, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C  | -40°F +248°F  | -40°C +120°C  | -40°C +120°C   |

| ID |         | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|---------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch    | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 10 | 3/8     | 20 | 23/32   | 0,29   | 10  | 150 | 30  | 450 | 40          |
| 12 | 15/32   | 22 | 7/8     | 0,33   | 10  | 150 | 30  | 450 | 40          |
| 13 | 1/2     | 23 | 1 7/32  | 0,35   | 10  | 150 | 30  | 450 | 40          |
| 15 | 19/32   | 25 | 1       | 0,39   | 10  | 150 | 30  | 450 | 40          |
| 16 | 5/8     | 26 | 1 1/32  | 0,42   | 10  | 150 | 30  | 450 | 40/61       |
| 18 | 23/32   | 28 | 1 3/32  | 0,45   | 10  | 150 | 30  | 450 | 40/61       |
| 20 | 25/32   | 30 | 1 3/16  | 0,49   | 10  | 150 | 30  | 450 | 40/61       |
| 25 | 1       | 35 | 1 3/8   | 0,59   | 10  | 150 | 30  | 450 | 40/61       |
| 30 | 1 3/16  | 42 | 1 21/32 | 0,85   | 10  | 150 | 30  | 450 | 40/61       |
| 32 | 1 1/4   | 44 | 1 23/32 | 0,90   | 10  | 150 | 30  | 450 | 40/61       |
| 35 | 1 3/8   | 47 | 1 27/32 | 0,97   | 10  | 150 | 30  | 450 | 40/61       |
| 38 | 1 1/2   | 51 | 2       | 1,22   | 10  | 150 | 30  | 450 | 40/61       |
| 40 | 1 9/16  | 54 | 2 1/8   | 1,33   | 10  | 150 | 30  | 450 | 40/61       |
| 45 | 1 25/32 | 61 | 2 13/32 | 1,67   | 10  | 150 | 30  | 450 | 40/61       |
| 51 | 2       | 67 | 2 41/64 | 1,85   | 10  | 150 | 30  | 450 | 40/61       |
| 60 | 2 3/8   | 75 | 2 61/64 | 3,07   | 10  | 150 | 30  | 450 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CALORGEN****D W.P. 10 BAR**

ITALY



tubi gomma torino



# CALORFLEX SD /5

TUBO RADIATORI AUTO GRECATO | RADIATOR HOSE CORRUGATED  
TUYAU RADIATEUR AVEC ONDULATION CARREE | KÜHLERSCHLAUCH GERIEFT



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|--|---|---|
| Aspirazione e mandata acqua calda e fluidi refrigeranti, utilizzati nei circuiti di raffreddamento e riscaldamento delle autovetture. Tubo estremamente flessibile per installazioni in spazi ristretti | Suction and delivery hose for hot water and coolant fluid, applied in engine cooling and heating systems. Radiator hoses. Outstanding flexibility, installations in very narrow spaces | Tuyau pour aspiration et refoulement d'eau chaud et fluides de réfrigération, employé pour les radiateurs des véhicules. Excellent souplesse pour installations dans espaces étroites | Heiß- und Kaltwasserschlauch, zum Einsatz in Motoren- und Kühlsystemen, zur Verwendung als Industrie- und Radiatorschlauch, hochflexibel, zum Einsatz mit besonders engen Biegeradien |
| <b>SOTTOSTRATO</b><br>Nero, liscio in gomma <b>EPDM</b>   | <b>TUBE</b><br>Black, smooth, <b>EPDM</b> rubber compound  | <b>TUBE INTERIEUR</b><br>Noir, lisse en caoutchouc <b>EPDM</b>  | <b>INNENSEELE</b><br>Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| <b>RINFORZO</b><br>Tessuti sintetici ad alta tenacità con spirali metalliche incorporate  | <b>REINFORCEMENT</b><br>High strength synthetic plies, with steel wire spirals   | <b>ARMATURE</b><br>Nappes synthétiques très résistantes avec spirales métalliques   | <b>EINLAGEN</b><br>Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale  |
| <b>COPERTURA</b><br>Nera, grecata in gomma <b>EPDM</b> , ad impressione tela resistente all'abrasione, all'ozono ed agli agenti atmosferici   | <b>COVER</b><br>Black, helix grooved cloth impression, <b>EPDM</b> rubber compound abrasion, ozone and weather resistant   | <b>REVETEMENT EXTERIEUR</b><br><b>EPDM</b> noir, ondulation carrée, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques                                       | <b>DECKE</b><br>Schwarz, stoffgemustert, gerieft, <b>EPDM</b> , Abrieb-, Ozon- und witterungsbeständig  |
| <b>TEMPERATURA D'ESERCIZIO</b><br>-40°C +120°C  | <b>WORKING TEMPERATURE</b><br>-40°F +248°F   | <b>TEMPERATURE</b><br>-40°C +120°C  | <b>BETRIEBSTEMPERATUR</b><br>-40°C +120°C   |

| ID |         | OD  |         | WEIGHT |     | WP  |     | BP  |     | BENDING RADIUS |     | VACUUM |  | COIL LENGTH |  |
|----|---------|-----|---------|--------|-----|-----|-----|-----|-----|----------------|-----|--------|--|-------------|--|
| mm | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm  | bar            | bar | m      |  |             |  |
| 15 | 19/32   | 23  | 29/32   | 0,42   | 5   | 75  | 15  | 225 | 55  | 0,8            | 40  |        |  |             |  |
| 16 | 5/8     | 24  | 15/19   | 0,45   | 5   | 75  | 15  | 225 | 60  | 0,8            | 40  |        |  |             |  |
| 18 | 23/32   | 26  | 1 1/32  | 0,48   | 5   | 75  | 15  | 225 | 65  | 0,8            | 40  |        |  |             |  |
| 19 | 3/4     | 27  | 1 1/16  | 0,50   | 5   | 75  | 15  | 225 | 70  | 0,8            | 40  |        |  |             |  |
| 20 | 25/32   | 28  | 1 3/32  | 0,52   | 5   | 75  | 15  | 225 | 70  | 0,8            | 40  |        |  |             |  |
| 22 | 7/8     | 30  | 1 3/16  | 0,54   | 5   | 75  | 15  | 225 | 75  | 0,8            | 40  |        |  |             |  |
| 25 | 1       | 33  | 1 19/64 | 0,58   | 5   | 75  | 15  | 225 | 85  | 0,8            | 40  |        |  |             |  |
| 28 | 1 3/32  | 36  | 1 13/32 | 0,64   | 5   | 75  | 15  | 225 | 95  | 0,8            | 40  |        |  |             |  |
| 30 | 1 3/16  | 38  | 1 1/2   | 0,68   | 5   | 75  | 15  | 225 | 100 | 0,8            | 40  |        |  |             |  |
| 32 | 1 1/4   | 40  | 1 9/16  | 0,73   | 5   | 75  | 15  | 225 | 105 | 0,8            | 40  |        |  |             |  |
| 35 | 1 3/8   | 43  | 1 11/16 | 0,82   | 5   | 75  | 15  | 225 | 115 | 0,8            | 40  |        |  |             |  |
| 38 | 1 1/2   | 47  | 1 27/32 | 0,93   | 5   | 75  | 15  | 225 | 130 | 0,8            | 40  |        |  |             |  |
| 40 | 1 9/16  | 49  | 1 31/32 | 1,00   | 5   | 75  | 15  | 225 | 135 | 0,8            | 40  |        |  |             |  |
| 42 | 1 21/32 | 51  | 2       | 1,05   | 5   | 75  | 15  | 225 | 140 | 0,8            | 40  |        |  |             |  |
| 45 | 1 25/32 | 54  | 2 1/8   | 1,18   | 5   | 75  | 15  | 225 | 150 | 0,8            | 40  |        |  |             |  |
| 50 | 1 31/32 | 60  | 2 3/8   | 1,30   | 5   | 75  | 15  | 225 | 165 | 0,8            | 40  |        |  |             |  |
| 55 | 2 5/32  | 65  | 2 9/16  | 1,50   | 5   | 75  | 15  | 225 | 180 | 0,8            | 40  |        |  |             |  |
| 60 | 2 3/8   | 70  | 2 3/4   | 1,70   | 5   | 75  | 15  | 225 | 200 | 0,8            | 40  |        |  |             |  |
| 70 | 2 3/4   | 80  | 3 5/32  | 2,00   | 5   | 75  | 15  | 225 | 200 | 0,8            | 40  |        |  |             |  |
| 76 | 3       | 96  | 3 25/32 | 2,17   | 5   | 75  | 15  | 225 | 200 | 0,8            | 40  |        |  |             |  |
| 90 | 3 17/32 | 102 | 4       | 2,57   | 5   | 75  | 15  | 225 | 200 | 0,8            | 40  |        |  |             |  |



# CALORSTEAM 170°C

TUBO VAPORE RINFORZO TESSILE 7 BAR | TEXTILE REINFORCEMENT STEAM HOSE 7 BAR  
TUYAU NAPPE TEXTILE VAPEUR 7 BAR | DAMPFSCHLAUCH MIT TEXTILEINLAGEN 7 BAR



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Mandata vapore saturo.<br>Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici | Delivery hose for low pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage à basse pression du pipe-line et réservoirs du secteur pétrochimique | Niederdruck-Dampfschlauch, für gesättigten Dampf, zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici                                    | Black, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant                            | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques                                    | Schwarz, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +170°C   | -40°F +338°F  | -40°C +170°C  | -40°C +170°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|------|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 10 | 3/8    | 21 | 13/16   | 0,33   | 7   | 105 | 70  | 1050 | 40          |
| 13 | 1/2    | 24 | 15/16   | 0,40   | 7   | 105 | 70  | 1050 | 40          |
| 16 | 5/8    | 28 | 1 1/8   | 0,52   | 7   | 105 | 70  | 1050 | 40          |
| 19 | 3/4    | 31 | 1 7/32  | 0,61   | 7   | 105 | 70  | 1050 | 40/61       |
| 25 | 1      | 37 | 1 15/32 | 0,80   | 7   | 105 | 70  | 1050 | 40/61       |
| 30 | 1 3/16 | 45 | 1 49/64 | 1,10   | 7   | 105 | 70  | 1050 | 40/61       |
| 32 | 1 1/4  | 47 | 1 7/8   | 1,18   | 7   | 105 | 70  | 1050 | 40/61       |
| 38 | 1 1/2  | 52 | 2 1/16  | 1,40   | 7   | 105 | 70  | 1050 | 40/61       |
| 40 | 1 9/16 | 54 | 2 1/8   | 1,45   | 7   | 105 | 70  | 1050 | 40/61       |
| 51 | 2      | 68 | 2 11/16 | 1,98   | 7   | 105 | 70  | 1050 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CALORSTEAM****D W.P. 7 BAR 170°C**

ITALY



tubi gamma torino





# CALORSTEAM 170°C ISO 6134-1A

TUBO VAPORE RINFORZO TESSILE ISO 6134-1A | TEXTILE REINFORCEMENT STEAM HOSE ISO 6134-1A  
TUYAU NAPPE TEXTILE VAPEUR ISO 6134-1A | DAMPFSCHLAUCH MIT TEXTILEINLAGEN ISO 6134-1A



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Mandata vapore saturo.<br>Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici | Delivery hose for low pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage à basse pression du pipe-line et réservoirs du secteur pétrochimique | Niederdruck-Dampfschlauch, für gesättigten Dampf, zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporato 2 cord in rame per la messa a terra della tubazione  | High strength synthetic plies, with 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 2 antistatischen Kupferlitzen zur Erdung                             |
| COPERTURA  | COVER   | RETEVEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, microforata, ad impressione tela in gomma <b>sintetica</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici                  | Black, smooth, pinpricked, cloth impression <b>synthetic</b> rubber compound, abrasion, ozone and weather resistant           | Caoutchouc <b>synthétique</b> noir, lisse, microperforé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques    | Schwarz, geprickt, stoffgemustert, <b>synthetisches Gummi</b> , Abrieb-, Ozon- und Witterungsbeständig                           |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| EN ISO 6134 TIPO 1 CLASSE A  | EN ISO 6134 TYPE 1 CLASS A  | EN ISO 6134 TIPE 1 CLASS A  | EN ISO 6134 TYPE 1 KLASSE A  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +170°C   | -40°F +338°F  | -40°C +170°C  | -40°C +170°C   |

| ID  |       | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|-------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 13  | 1/2   | 25  | 1       | 0,39   | 6   | 90  | 60  | 900 | 40          |
| 16  | 5/8   | 30  | 1 1/16  | 0,56   | 6   | 90  | 60  | 900 | 40          |
| 19  | 3/4   | 33  | 1 19/64 | 0,63   | 6   | 90  | 60  | 900 | 40/61       |
| 25  | 1     | 40  | 1 19/32 | 0,81   | 6   | 90  | 60  | 900 | 40/61       |
| 32  | 1 1/4 | 48  | 1 29/32 | 1,11   | 6   | 90  | 60  | 900 | 40/61       |
| 38  | 1 1/2 | 54  | 2 1/8   | 1,28   | 6   | 90  | 60  | 900 | 40/61       |
| 51  | 2     | 69  | 3 23/32 | 1,89   | 6   | 90  | 60  | 900 | 40/61       |
| 63  | 2 1/2 | 81  | 3 13/64 | 2,23   | 6   | 90  | 60  | 900 | 40/61       |
| 76  | 3     | 94  | 3 45/64 | 2,76   | 6   | 90  | 60  | 900 | 40/61       |
| 102 | 4     | 122 | 4 13/16 | 4,02   | 6   | 90  | 60  | 900 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**CALORSTEAM**

EN ISO 6134 -1A

M

W.P. 6 BAR

170°C

ITALY



tubi gamma torino



# CALORSTEAM 170°C ISO 6134-1B

TUBO VAPORE RINFORZO TESSILE ISO 6134-1B | TEXTILE REINFORCEMENT STEAM HOSE ISO 6134-1B  
TUYAU NAPPE TEXTILE VAPEUR ISO 6134-1B | DAMPFSCHLAUCH MIT TEXTILEINLAGEN ISO 6134-1B

**OIL  
RESISTANT  
COVER**



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|--|---|--|
| Mandata vapore saturo. Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici. Copertura resistente all'olio | Delivery hose for low pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry. Oil resistant cover | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage à basse pression du pipe-line et réservoirs du secteur pétrochimique. Revêtement résistent a l'huile | Niederdruck-Dampfschlauch, für gesättigten Dampf, zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie. Öl Beständiger Decke |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporato 2 cord in rame per la messa a terra della tubazione  | High strength synthetic plies, with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistant avec 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 2 antistatischen Kupferlitzen zur Erdung   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, microforata, ad impressione tela in gomma <b>sintetica</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici  | Black, smooth, pinpricked, cloth impression <b>synthetic</b> rubber compound, abrasion, ozone and weather resistant                                | Caoutchouc <b>synthétique</b> noir, lisse, microperforé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques                                    | Schwarz, geprickt, stoffgemustert, <b>synthetisches Gummi</b> , Abrieb-, Ozon- und Witterungsbeständig   |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN   |
| EN ISO 6134 TIPO 1 CLASSE B  | EN ISO 6134 TYPE 1 CLASS B   | EN ISO 6134 TIPE 1 CLASS B  | EN ISO 6134 TYPE 1 KLASSE B  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +170°C   | -40°F +338°F   | -40°C +170°C  | -40°C +170°C   |

| ID  |       | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|-------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 13  | 1/2   | 25  | 1       | 0,39   | 6   | 90  | 60  | 900 | 40          |
| 16  | 5/8   | 30  | 1 1/16  | 0,56   | 6   | 90  | 60  | 900 | 40          |
| 19  | 3/4   | 33  | 1 19/64 | 0,63   | 6   | 90  | 60  | 900 | 40/61       |
| 25  | 1     | 40  | 1 19/32 | 0,81   | 6   | 90  | 60  | 900 | 40/61       |
| 32  | 1 1/4 | 48  | 1 29/32 | 1,11   | 6   | 90  | 60  | 900 | 40/61       |
| 38  | 1 1/2 | 54  | 2 1/8   | 1,28   | 6   | 90  | 60  | 900 | 40/61       |
| 51  | 2     | 69  | 3 23/32 | 1,89   | 6   | 90  | 60  | 900 | 40/61       |
| 63  | 2 1/2 | 81  | 3 13/64 | 2,23   | 6   | 90  | 60  | 900 | 40/61       |
| 76  | 3     | 94  | 3 45/64 | 2,76   | 6   | 90  | 60  | 900 | 40/61       |
| 102 | 4     | 122 | 4 13/16 | 4,02   | 6   | 90  | 60  | 900 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CALORSTEAM**

EN ISO 6134 -1B

M

W.P. 6 BAR

170°C

ITALY

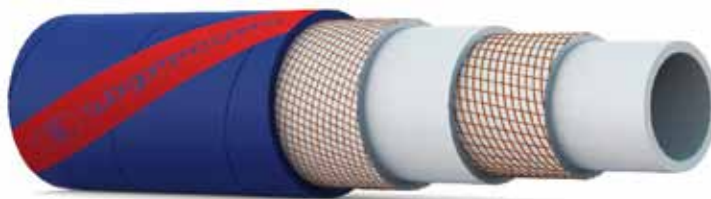


tubi gomma torino



# CALORSTEAM /AL FDA 170°C

TUBO VAPORE RINFORZO TESSILE 7 BAR - FDA | TEXTILE REINFORCEMENT STEAM HOSE 7 BAR - FDA  
TUYAU NAPPE TEXTILE VAPEUR 7 BAR - FDA | DAMPFSCHLAUCH MIT TEXTILEINLAGEN 7 BAR FDA



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Mandata acqua potabile calda mista a vapore e fluidi detergenti. Utilizzato principalmente per pulizie approfondite di attrezzature e pavimenti nei reparti di produzione alimentari | Delivery hose for potable hot water mixed with steam and detergents. Mainly used for washdown and sterilization in the food industry workshops | Tuyau pour refoulement d' eau chaud, vapeur et détergents, employé essentiellement pour lavage et stérilization des industries alimentaires | Heißwasser- und Dampfschlauch, besonders geeignet zur Reinigung und Desinfektion in der Lebensmittelindustrie |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>EPDM</b> di qualità alimentare  | White, smooth, food quality <b>EPDM</b> rubber compound  | Blanc, lisse en caoutchouc <b>EPDM</b> de qualité alimentaire   | Weiß, glatt, in lebensmittelbeständiger <b>EPDM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | RETEMENT EXTERIEUR  | DECKE   |
| Blu, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici   | Blue, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant  | <b>EPDM</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques  | Blau, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig                                    |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| FDA titolo 21, articolo 177.2600 per alimenti acquosi  | FDA title 21, art.177.2600 for aqueous foods   | FDA titre 21, article 177.2600 pour aliments aqueux   | FDA Titel 21, Art. 177.2600 für flüssige Nahrungsmittel   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +170°C   | -40°F +338°F   | -40°C +170°C  | -40°C +170°C  |

| ID |      | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|----|------|----|---------|--------|-----|-----|-----|------|-------------|
| mm | inch | mm | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 13 | 1/2  | 23 | 29/32   | 0,37   | 7   | 105 | 70  | 1050 | 40          |
| 16 | 5/8  | 26 | 1 1/32  | 0,43   | 7   | 105 | 70  | 1050 | 40          |
| 19 | 3/4  | 31 | 1 7/32  | 0,58   | 7   | 105 | 70  | 1050 | 40          |
| 25 | 1    | 37 | 1 15/32 | 0,75   | 7   | 105 | 70  | 1050 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

ITALY

tubi gomma torino



# CALORMASTER N /210°C

TUBO VAPORE RINFORZO METALLICO 17 BAR- BS 5342-2A | STEEL WIRE REINFORCEMENT STEAM HOSE 17 BAR - BS 5342-2A  
TUYAU NAPPE ACIER VAPEUR 17 BAR BS 5342-2A | DAMPFSCHLAUCH MIT STAHLGEFLECT 17 BAR BS 5342-2A



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|--|---|---|
| Mandata vapore saturo ad alta pressione. Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici | Delivery hose for high pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage à haute pression du pipe-line et réservoirs du secteur pétrochimique | Hochdruck-Dampfschlauch, für gesättigten Dampf, einsetzbar zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Fili d'acciaio ad alta resistenza   | High tensile strength steel reinforcements   | Nappes en acier très résistantes  | Hochreißfestes Stahlgeflect   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici   | Black, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant                             | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques                                    | Schwarz, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig   |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN  |
| BS 5342 :85 TIPO 2 CLASSE A   | BS 5342 :85 TYPE 2 CLASS A   | BS 5342 :85 TIPO 2 CLASS A  | BS 5342 :85 TYPE 2 KLASSE A   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +210°C picchi 232°C   | -40°F +410°F peaks 450°F   | -40°C +210°C pointes 232°C  | -40°C +210°C bergspitze von der Temperatur 232°C  |

| ID  |       | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|-------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 13  | 1/2   | 25  | 1       | 0,53   | 17  | 255 | 170 | 2550 | 40/61       |
| 16  | 5/8   | 28  | 1 3/32  | 0,60   | 17  | 255 | 170 | 2550 | 40/61       |
| 19  | 3/4   | 32  | 1 1/4   | 0,76   | 17  | 255 | 170 | 2550 | 40/61       |
| 25  | 1     | 38  | 1 1/2   | 0,98   | 17  | 255 | 170 | 2550 | 40/61       |
| 32  | 1 1/4 | 46  | 1 13/16 | 1,29   | 17  | 255 | 170 | 2550 | 40/61       |
| 38  | 1 1/2 | 54  | 2 1/8   | 1,76   | 17  | 255 | 170 | 2550 | 40/61       |
| 51  | 2     | 67  | 2 41/64 | 2,18   | 17  | 255 | 170 | 2550 | 40/61       |
| 63  | 2 1/2 | 83  | 3 9/32  | 3,40   | 17  | 255 | 170 | 2550 | 40/61       |
| 76  | 3     | 96  | 3 25/32 | 4,35   | 17  | 255 | 170 | 2550 | 40/61       |
| 102 | 4     | 124 | 4 7/8   | 7,00   | 17  | 255 | 170 | 2550 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# CALORSTAR R /210°C

TUBO VAPORE RINFORZO METALLICO 17 BAR- BS 5342-2A | STEEL WIRE REINFORCEMENT STEAM HOSE 17 BAR - BS 5342-2A  
TUYAU NAPPE ACIER VAPEUR 17 BAR BS 5342-2A | DAMPFSCHLAUCH MIT STAHLGEFLECT 17 BAR BS 5342-2A



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|--|---|---|
| Mandata vapore saturo ad alta pressione. Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici | Delivery hose for high pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage à haute pression du pipe-line et réservoirs du secteur pétrochimique | Hochdruck-Dampfschlauch, für gesättigten Dampf, einsetzbar zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Fili d'acciaio ad alta resistenza   | High tensile strength steel reinforcements   | Nappes en acier très résistantes  | Hochreißfestes Stahlgeflect   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Rossa, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici  | Red, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion, ozone and weather resistant                               | <b>EPDM</b> rouge, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques                                   | Rot, stoffgemustert, <b>EPDM</b> , Abrieb-, Ozon- und Witterungsbeständig   |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN  |
| BS 5342 :85 TIPO 2 CLASSE A   | BS 5342 :85 TYPE 2 CLASS A   | BS 5342 :85 TIPE 2 CLASS A  | BS 5342 :85 TYPE 2 KLASSE A   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +210°C picchi 232°C   | -40°F +410°F peaks 450°F   | -40°C +210°C pointes 232°C  | -40°C +210°C bergspitze von der Temperatur 232°C  |

| 🔧 ID |       | 🔧 OD |         | ⚖️ WEIGHT | 📊 WP |     | 📊 BP |      | 📏 COIL LENGTH |
|------|-------|------|---------|-----------|------|-----|------|------|---------------|
| mm   | inch  | mm   | inch    | kg/m      | bar  | psi | bar  | psi  | m             |
| 13   | 1/2   | 25   | 1       | 0,53      | 17   | 255 | 170  | 2550 | 40/61         |
| 16   | 5/8   | 28   | 1 3/32  | 0,60      | 17   | 255 | 170  | 2550 | 40/61         |
| 19   | 3/4   | 32   | 1 1/4   | 0,76      | 17   | 255 | 170  | 2550 | 40/61         |
| 25   | 1     | 38   | 1 1/2   | 0,98      | 17   | 255 | 170  | 2550 | 40/61         |
| 32   | 1 1/4 | 46   | 1 13/16 | 1,29      | 17   | 255 | 170  | 2550 | 40/61         |
| 38   | 1 1/2 | 54   | 2 1/8   | 1,76      | 17   | 255 | 170  | 2550 | 40/61         |
| 51   | 2     | 67   | 2 41/64 | 2,18      | 17   | 255 | 170  | 2550 | 40/61         |
| 63   | 2 1/2 | 83   | 3 9/32  | 3,40      | 17   | 255 | 170  | 2550 | 40/61         |
| 76   | 3     | 96   | 3 25/32 | 4,35      | 17   | 255 | 170  | 2550 | 40/61         |
| 102  | 4     | 124  | 4 7/8   | 7,00      | 17   | 255 | 170  | 2550 | 40/61         |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CALORSTAR**

W.P. 17 BAR

210°C

BS 5342 type 2A

DRAIN AFTER USE

O/Y

ITALY



tubi gomma torino



# CALORSTAR R /210°C ISO 6134 2A

TUBO VAPORE RINFORZO METALLICO 18 BAR- ISO 6134-2A | STEEL WIRE REINFORCEMENT STEAM HOSE 18 BAR- ISO 6134-2A  
TUYAU NAPPE ACIER VAPEUR 18 BAR ISO 6134-2A | DAMPFSCHLAUCH MIT STAHLGEFLECT 18 BAR ISO 6134-2A



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|--|---|---|
| Mandata vapore saturo ad alta pressione. Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici | Delivery hose for high pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage haute pression du pipe-line s et réservoirs du secteur pétrochimique | Hochdruck-Dampfschlauch, für gesättigten Dampf, einsetzbar zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Fili d'acciaio ad alta resistenza   | High tensile strength steel reinforcements   | Nappes en acier très résistantes  | Hochreißfestes Stahlgeflect   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Rossa, liscia, microforata, ad impressione tela in gomma <b>sintetica</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici                                | Red, smooth, pinpricked, cloth impression <b>synthetic</b> rubber compound, abrasion, ozone and weather resistant              | Caoutchouc <b>synthétique</b> rouge, lisse, microperforé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques   | Rot, geprickt, stoffgemustert, <b>synthetisches Gummi</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN  |
| ISO 6134 - TIPO 2 CLASSE A  | ISO 6134 - TYPE 2 CLASS A  | ISO 6134 - TIPE 2 CLASS A   | ISO 6134 - TYPE 2 KLASSE A  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +210°C picchi 232°C   | -40°F +410°F peaks 450°F   | -40°C +210°C pointes 232°C  | -40°C +210°C bergspitze von der Temperatur 232°C  |

| ID  |       | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|-------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 13  | 1/2   | 25  | 1       | 0,53   | 18  | 270 | 180 | 2700 | 40/61       |
| 16  | 5/8   | 30  | 1 1/16  | 0,75   | 18  | 270 | 180 | 2700 | 40/61       |
| 19  | 3/4   | 33  | 1 19/64 | 0,78   | 18  | 270 | 180 | 2700 | 40/61       |
| 25  | 1     | 40  | 1 19/32 | 1,03   | 18  | 270 | 180 | 2700 | 40/61       |
| 32  | 1 1/4 | 48  | 1 29/32 | 1,41   | 18  | 270 | 180 | 2700 | 40/61       |
| 38  | 1 1/2 | 54  | 2 1/8   | 1,78   | 18  | 270 | 180 | 2700 | 40/61       |
| 51  | 2     | 69  | 3 23/32 | 2,58   | 18  | 270 | 180 | 2700 | 40/61       |
| 63  | 2 1/2 | 81  | 3 13/64 | 3,16   | 18  | 270 | 180 | 2700 | 40/61       |
| 76  | 3     | 94  | 3 45/64 | 4,02   | 18  | 270 | 180 | 2700 | 40/61       |
| 102 | 4     | 122 | 4 13/16 | 6,22   | 18  | 270 | 180 | 2700 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CALORSTAR** **ISO EN6134 2A** **M** **W.P. 18 BAR** **210°C** **DRAIN AFTER USE** **Q/Y** **ITALY** **tubi gomma torino**



# CALORSTAR R /210°C ISO 6134 2B

TUBO VAPORE RINFORZO METALLICO 18 BAR- ISO 6134 -2B | STEEL WIRE REINFORCEMENT STEAM HOSE 18 BAR- ISO 6134 -2B  
TUYAU NAPPE ACIER VAPEUR 18 BAR ISO 6134-2B | DAMPFSCHLAUCH MIT STAHLGEFLECT 18 BAR ISO 6134-2B

**OIL  
RESISTANT  
COVER**



| APPLICAZIONE  | APPLICATION  | APPLICATION   | ANWENDUNG   |
|---|--|---|---|
| Mandata vapore saturo ad alta pressione. Particolarmente indicato per operazioni di lavaggio e sgrassamento di condutture, serbatoi, impianti industriali e petrolchimici | Delivery hose for high pressure saturated steam, suitable for tanks and pipelines steam cleaning in the petrochemical industry | Tuyau pour refoulement de vapeur saturée, excellent pour nettoyage haute pression du pipe-line s et réservoirs du secteur pétrochimique | Hochdruck-Dampfschlauch, für gesättigten Dampf, einsetzbar zur Reinigung von Tank- und Pipeline-Systemen in der petrochemischen Industrie |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Fili d'acciaio ad alta resistenza   | High tensile strength steel reinforcements   | Nappes en acier très résistantes  | Hochreißfestes Stahlgeflect   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Rossa, liscia, microforata, ad impressione tela in gomma <b>sintetica</b> , resistente all'abrasione, all'ozono ed agli agenti atmosferici                                | Red, smooth, pinpricked, cloth impression <b>synthetic</b> rubber compound, abrasion, ozone and weather resistant              | Caoutchouc <b>synthétique</b> rouge, lisse, microperforé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques   | Rot, geprickt, stoffgemustert, <b>synthetisches Gummi</b> , Abrieb-, Ozon- und Witterungsbeständig  |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN  |
| ISO 6134 - TIPO 2 CLASSE B  | ISO 6134 - TYPE 2 CLASS B  | ISO 6134 - TIPE 2 CLASS B   | ISO 6134 - TYPE 2 KLASSE B  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +210°C picchi 232°C   | -40°F +410°F peaks 450°F   | -40°C +210°C pointes 232°C  | -40°C +210°C bergspitze von der Temperatur 232°C  |

| ID  |       | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|-------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 13  | 1/2   | 25  | 1       | 0,56   | 18  | 270 | 180 | 2700 | 40/61       |
| 16  | 5/8   | 30  | 1 1/16  | 0,78   | 18  | 270 | 180 | 2700 | 40/61       |
| 19  | 3/4   | 33  | 1 19/64 | 0,82   | 18  | 270 | 180 | 2700 | 40/61       |
| 25  | 1     | 40  | 1 19/32 | 1,07   | 18  | 270 | 180 | 2700 | 40/61       |
| 32  | 1 1/4 | 48  | 1 29/32 | 1,49   | 18  | 270 | 180 | 2700 | 40/61       |
| 38  | 1 1/2 | 54  | 2 1/8   | 1,87   | 18  | 270 | 180 | 2700 | 40/61       |
| 51  | 2     | 69  | 3 23/32 | 2,70   | 18  | 270 | 180 | 2700 | 40/61       |
| 63  | 2 1/2 | 81  | 3 13/64 | 3,20   | 18  | 270 | 180 | 2700 | 40/61       |
| 76  | 3     | 94  | 3 45/64 | 4,18   | 18  | 270 | 180 | 2700 | 40/61       |
| 102 | 4     | 122 | 4 13/16 | 6,43   | 18  | 270 | 180 | 2700 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CALORSTAR** ISO EN6134 2B M W.P. 18 BAR 210°C ITALY **tubi gomma torino**



# CALORGLAS 10 /500 FV

TUBO ACQUA DI RAFFREDDAMENTO - COPERTURA FIBRA VETRO | WATER COOLING HOSE - GLASS CLOTH COVER  
TUYAU POUR EAU DE REFROIDISSEMENT - REVETEMENT EN FIBRE DE VERRE | KÜHLWASSERSCHLAUCH MIT FIBERGLAS DECKE



| APPLICAZIONE   | APPLICATION   | APPLICATION   | ANWENDUNG   |
|--|---|---|---|
| Mandata acqua nei circuiti di raffreddamento degli impianti siderurgici (fonderie / trafile), impianti produzione vetro. Tubazioni esposte a schizzi di materiali fusi roventi | Delivery hoses for cooling water in the steel mills plants, glass industry, etc.  | Tuyau pour refoulement d'eau dans les circuits de refroidissement de l'usine d'acier (fonderie / treéfilerie), verrieres            | Spezial-Wasserschlauch, für Kühlsysteme, besonders zum Einsatz in Stahlwerken und Glashütten  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REJETEMENT EXTERIEUR  | DECKE   |
| Treccia di fibra di vetro, covulcanizzata con uno strato interno di gomma <b>EPDM</b> . Resistente a contatti con materiali di fonderia allo stato fuso.                       | Glass fiber braid, co-vulcanized with an internal layer of black <b>EPDM</b> rubber compound. Resistant to occasional contact with molten materials | Fibre de verre vulcanisée avec une couche interieure de caoutchouc <b>EPDM</b> noir. Résistant au contact avec les matériaux fondus | <b>EPDM</b> , mit zusätzlich aufvulkanisiertem Fiberglas, als Spritz-Schutz gegen geschmolzene Materialien, z.B. in der Stahlwerken |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +130°C esterna fino a 530°C  | -40°F +266°F outside up to 986°F  | -40°C +130°C ambiente jusqu'à 530°C   | -40°C +130°C umvelt bergspitze von der Temperatur 530°C   |

| ID  |        | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|--------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 10  | 3/8    | 20  | 25/32   | 0,30   | 10  | 150 | 30  | 450 | 40          |
| 13  | 1/2    | 24  | 15/16   | 0,45   | 10  | 150 | 30  | 450 | 40          |
| 16  | 5/8    | 27  | 1 1/16  | 0,50   | 10  | 150 | 30  | 450 | 40/61       |
| 19  | 3/4    | 32  | 1 1/4   | 0,60   | 10  | 150 | 30  | 450 | 40/61       |
| 25  | 1      | 39  | 1 17/32 | 0,90   | 10  | 150 | 30  | 450 | 40/61       |
| 30  | 1 3/16 | 42  | 1 21/32 | 0,80   | 10  | 150 | 30  | 450 | 40/61       |
| 32  | 1 1/4  | 48  | 1 57/64 | 1,30   | 10  | 150 | 30  | 450 | 40/61       |
| 38  | 1 1/2  | 55  | 1 11/64 | 1,70   | 10  | 150 | 30  | 450 | 40/61       |
| 40  | 1 9/16 | 59  | 2 5/16  | 1,90   | 10  | 150 | 30  | 450 | 40/61       |
| 51  | 2      | 71  | 2 51/64 | 2,50   | 10  | 150 | 30  | 450 | 40/61       |
| 65  | 2 9/16 | 86  | 3 10/32 | 3,25   | 10  | 150 | 30  | 450 | 40/61       |
| 102 | 4      | 122 | 4 13/16 | 4,00   | 10  | 150 | 30  | 450 | 40/61       |





# CALORGLAS 20 /500 FV

TUBO ACQUA DI RAFFREDDAMENTO - COPERTURA FIBRA VETRO | WATER COOLING HOSE - GLASS CLOTH COVER  
TUYAU POUR EAU DE REFROIDISSEMENT - REVETEMENT EN FIBRE DE VERRE | KÜHLWASSERSCHLAUCH MIT FIBERGLAS DECKE



| APPLICAZIONE   | APPLICATION   | APPLICATION   | ANWENDUNG   |
|--|---|---|---|
| Mandata acqua nei circuiti di raffreddamento degli impianti siderurgici (fonderie / trafilerie), impianti produzione vetro.<br>Tubazioni esposte a schizzi di materiali fusi roventi | Delivery hoses for cooling water in the steel mills plants, glass industry, etc.  | Tuyau pour refoulement d'eau dans les circuits de refroidissement de l'usine d'acier (fonderie / treéfilerie), verrières.           | Spezial-Wasserschlauch, für Kühlsysteme, besonders zum Einsatz in Stahlwerken und Glashütten  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>EPDM</b>  | White, smooth, <b>EPDM</b> rubber compound  | Blanc, lisse en caoutchouc <b>EPDM</b>  | Weiß, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Treccia di fibra di vetro, covulcanizzata con uno strato interno di gomma <b>EPDM</b> . Resistente a contatti con materiali di fonderia allo stato fuso.                             | Glass fiber braid, co-vulcanized with an internal layer of black <b>EPDM</b> rubber compound. Resistant to occasional contact with molten materials | Fibre de verre vulcanisée avec une couche intérieure de caoutchouc <b>EPDM</b> noir. Résistant au contact avec les matériaux fondus | <b>EPDM</b> , mit zusätzlich aufvulkanisiertem Fiberglas, als Spritz-Schutz gegen geschmolzene Materialien, z.B. in der Stahlwerken |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +130°C esterna fino a 530°C  | -40°F +266°F outside up to 986°F  | -40°C +130°C ambiente jusqu'à 530°C   | -40°C +130°C umvelt bergspitze von der Temperatur 530°C   |

| ID  |        | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|--------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 13  | 1/2    | 24  | 15/16   | 0,45   | 20  | 300 | 60  | 900 | 40          |
| 16  | 5/8    | 27  | 1 1/16  | 0,50   | 20  | 300 | 60  | 900 | 40/61       |
| 19  | 3/4    | 32  | 1 1/4   | 0,60   | 20  | 300 | 60  | 900 | 40/61       |
| 25  | 1      | 39  | 1 17/32 | 0,90   | 20  | 300 | 60  | 900 | 40/61       |
| 30  | 1 3/16 | 42  | 1 21/32 | 0,80   | 20  | 300 | 60  | 900 | 40/61       |
| 32  | 1 1/4  | 48  | 1 57/64 | 1,30   | 20  | 300 | 60  | 900 | 40/61       |
| 38  | 1 1/2  | 55  | 1 11/64 | 1,70   | 20  | 300 | 60  | 900 | 40/61       |
| 40  | 1 9/16 | 59  | 2 5/16  | 1,90   | 20  | 300 | 60  | 900 | 40/61       |
| 51  | 2      | 71  | 2 51/64 | 2,50   | 20  | 300 | 60  | 900 | 40/61       |
| 65  | 2 9/16 | 86  | 3 10/32 | 3,25   | 20  | 300 | 60  | 900 | 40/61       |
| 102 | 4      | 122 | 4 13/16 | 4,00   | 20  | 300 | 60  | 900 | 40/61       |



# CALORSILICA 10 /1100

TUBO ACQUA DI RAFFREDDAMENTO - COPERTURA FIBRA SILICIO  
 WATER COOLING HOSE - SILICA CLOTH COVER  
 TUYAU POUR EAU DE REFROIDISSEMENT - REVETEMENT EN FIBRE DE SILICE  
 KÜHLWASSERSCHLAUCH MIT SILIZIUMFIBER DECKE



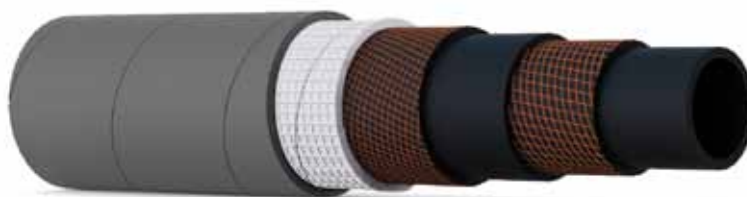
| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata acqua nei circuiti di raffreddamento degli impianti siderurgici (fonderie / trafilerie), impianti produzione vetro.<br>Tubazioni esposte a schizzi di materiali fusi roventi | Delivery hoses for cooling water in the steel mills plants, glass industry, etc.   | Tuyau pour refoulement d'eau dans les circuits de refroidissement de l'usine d'acier (fonderie / treéfilerie), verrieres             | Spezial-Wasserschlauch, für Kühlsysteme, besonders zum Einsatz in Stahlwerken und Glashütten  |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>  | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Treccia di fibra di silice, covulcanizzata con uno strato interno di gomma <b>EPDM</b> . Resistente a contatti con materiali di fonderia allo stato fuso.                            | Silica fiber braid, co-vulcanized with an internal layer of black <b>EPDM</b> rubber compound. Resistant to occasional contact with molten materials | Fibre de silice vulcanisée avec une couche intérieure de caoutchouc <b>EPDM</b> noir. Résistant au contact avec les matériaux fondus | <b>EPDM</b> , mit zusätzlich aufvulkanisiertem Silicatgewebe, als Spritz-Schutz gegen geschmolzene Materialien, z.B. in der Stahlwerken |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +130°C esterna fino a 1100°C   | -40°F +266°F outside up to 2012°F  | -40°C +130°C ambiente jusqu'à 1100°C   | -40°C +130°C umvelt bergspitze von der Temperatur 1100°C  |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19 | 3/4   | 32 | 1 1/4   | 0,70   | 10  | 150 | 30  | 450 | 40/61       |
| 25 | 1     | 39 | 1 17/32 | 0,90   | 10  | 150 | 30  | 450 | 40/61       |
| 32 | 1 1/4 | 48 | 1 57/64 | 1,30   | 10  | 150 | 30  | 450 | 40/61       |
| 38 | 1 1/2 | 55 | 1 11/64 | 1,70   | 10  | 150 | 30  | 450 | 40/61       |
| 51 | 2     | 71 | 2 51/64 | 2,50   | 10  | 150 | 30  | 450 | 40/61       |



# CALORSILICA 10 /1100 RC

TUBO ACQUA DI RAFFREDDAMENTO FIBRA SILICIO - COPERTURA GOMMATA  
 WATER COOLING HOSE- SILICA CLOTH - RUBBER COVER  
 TUYAU POUR EAU DE REFROIDISSEMENT EN FIBRE DE SILICE - REVETEMENT EN CAOUTCHOUC  
 KÜHLWASSERSCHLAUCH MIT SILIZIUMFIBER UND GUMMI DECKE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|---|---|---|
| Mandata acqua nei circuiti di raffreddamento degli impianti siderurgici (fonderie / trafile), impianti produzione vetro. Tubazioni esposte a schizzi di materiali fusi roventi             | Delivery hoses for cooling water in the steel mills plants, glass industry, etc.  | Tuyau pour refoulement d'eau dans les circuits de refroidissement de l'usine d'acier (fonderie / treéfilerie), verrieres                                    | Spezial-Wasserschlauch, für Kühlsysteme, besonders zum Einsatz in Stahlwerken und Glashütten  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en caoutchouc <b>EPDM</b>   | Schwarz, glatt, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Grigia, liscia, ad impressione tela in gomma <b>CR</b> vulcanizzata sopra una treccia di fibra di silice. Autoestinguenta, resistente a contatti con materiali di fonderia allo stato fuso | Grey, smooth, cloth impression <b>CR</b> rubber compound, vulcanized on a silica fiber braid. Self-extinguishing, resistant to occasional contact with molten materials | <b>CR</b> gris, lisse, grain toile, vulcanisée au-dessus d' une tresse en fibre de silice. Auto-extinguible, résistant au contact avec les matériaux fondus | Grau, <b>CR</b> , mit zusätzlich aufvulkanisiertem Silicatdecke, selbstverlöschend, als Spritz-Schutz gegen geschmolzene Materialien, z.B. in der Stahlwerken |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +130°C esterna fino a 1100°C   | -40°F +266°F outside up to 2012°F   | -40°C +130°C ambiente jusqu'à 1100°C  | -40°C +130°C umvelt bergspitze von der Temperatur 1100°C  |

| ID | OD    | WEIGHT | WP      | BP   | COIL LENGTH |     |     |     |       |
|----|-------|--------|---------|------|-------------|-----|-----|-----|-------|
| mm | inch  | mm     | inch    | kg/m | bar         | psi | bar | psi | m     |
| 19 | 3/4   | 34     | 1 3/32  | 0,80 | 10          | 150 | 30  | 450 | 40/61 |
| 25 | 1     | 41     | 1 5/8   | 1,10 | 10          | 150 | 30  | 450 | 40/61 |
| 32 | 1 1/4 | 50     | 1 31/32 | 1,50 | 10          | 150 | 30  | 450 | 40/61 |
| 38 | 1 1/2 | 57     | 2 1/4   | 2,10 | 10          | 150 | 30  | 450 | 40/61 |
| 51 | 2     | 73     | 2 7/8   | 2,80 | 10          | 150 | 30  | 450 | 40/61 |



# SILCORD

TUBO MANDATA ACQUA DI RAFFREDDAMENTO PER MEDIE E ALTE TEMPERATURE  
 WATER COOLING DELIVERY HOSE FOR MEDIUM AND HIGH TEMPERATURE  
 TUYAU POUR REFOULEMENT D'EAU DE REFROIDISSEMENT AVEC TEMPERATURES MOIENNES ET ELEVEES  
 KÜHL-DRUCKWASSERSCHLAUCH FÜR HOHEN UND MITTLEREN TEMPERATUREN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|---|---|---|
| Mandata acqua calda e fluidi refrigeranti, utilizzati nei circuiti di raffreddamento dei motori endotermici con temperature di lavoro molto elevate | Delivery hose for hot water and coolant fluid, applied in engine cooling systems where resistance to high working temperature is required | Tuyau pour refoulement d'eau chaude et fluides de réfrigération, utilisé dans les circuits de refroidissement des moteurs qui travaillent à haute température | Spezial-Kühlerschlauch, zum Durchleiten von Heiß- und Kaltwasser, in geschlossenen Kühlsystemen, mit hoher Hitzebeständigkeit |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Rosso, liscio in silicone <b>VMQ</b> (disponibile in vari colori)   | Red, smooth, <b>VMQ</b> silicon (available also in many other colors)   | Rouge, lisse en silicone <b>VMQ</b> (disponible aussi en autres couleurs)   | Rot, glatt, <b>VMQ</b> -Silikon-Qualität (auch in anderen Farben erhältlich)  |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti in poliestere ad alta tenacità  | High strength polyester fiber   | Nappes en polyester tres résistantes  | Hochreißfestes Polyestergewebe  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Rossa, liscia, ad impressione tela in silicone <b>VMQ</b> , resistente al calore ed agli agenti atmosferici (disponibile in vari colori)            | Red, smooth, cloth impression silicon <b>VMQ</b> , high temperature and weather resistant (available also in many other colors)           | Silicone <b>VMQ</b> rouge, lisse, grain toile, résistant a l'haute temperature et aux agents atmosphériques (disponible aussi en autres couleurs)             | Rot, stoffgemustert, Silikon <b>VMQ</b> , hochtemperatur- und Witterungsbeständig (auch in anderen Farben erhältlich)         |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -50°C +200°C  | -58°F +392°F  | -50°C +200°C  | -50°C +200°C  |

| 🔧 ID |         | 🔧 OD |         | 📊 WP |     | 📊 BP |     | 📏 COIL LENGTH |
|------|---------|------|---------|------|-----|------|-----|---------------|
| mm   | inch    | mm   | inch    | bar  | psi | bar  | psi | m             |
| 13   | 1/2     | 23   | 29/32   | 3    | 45  | 10   | 150 | 1/20          |
| 15   | 19/32   | 25   | 1       | 3    | 45  | 10   | 150 | 1/20          |
| 16   | 5/8     | 26   | 1 1/32  | 3    | 45  | 10   | 150 | 1/20          |
| 18   | 23/32   | 28   | 1 1/8   | 3    | 45  | 10   | 150 | 1/20          |
| 20   | 25/32   | 30   | 1 3/16  | 3    | 45  | 10   | 150 | 1/20          |
| 22   | 7/8     | 32   | 1 1/4   | 3    | 45  | 10   | 150 | 1/20          |
| 25   | 1       | 35   | 1 3/8   | 3    | 45  | 10   | 150 | 1/20          |
| 28   | 1 1/8   | 38   | 1 1/2   | 3    | 45  | 10   | 150 | 1/20          |
| 30   | 1 3/16  | 40   | 1 9/16  | 3    | 45  | 10   | 150 | 1/20          |
| 32   | 1 1/4   | 42   | 1 21/32 | 3    | 45  | 10   | 150 | 1/20          |
| 35   | 1 3/8   | 45   | 1 25/32 | 3    | 45  | 10   | 150 | 1/20          |
| 38   | 1 1/2   | 48   | 1 7/8   | 3    | 45  | 10   | 150 | 1/20          |
| 40   | 1 9/16  | 50   | 1 31/32 | 3    | 45  | 10   | 150 | 1/20          |
| 42   | 1 21/32 | 52   | 2 1/16  | 3    | 45  | 10   | 150 | 1/20          |
| 45   | 1 25/32 | 55   | 2 5/32  | 3    | 45  | 10   | 150 | 1/20          |
| 48   | 1 7/8   | 58   | 2 9/32  | 3    | 45  | 10   | 150 | 1/20          |
| 50   | 1 31/32 | 60   | 2 3/8   | 3    | 45  | 10   | 150 | 1/20          |
| 51   | 2       | 61   | 2 13/32 | 3    | 45  | 10   | 150 | 1/20          |
| 55   | 2 5/32  | 65   | 2 9/16  | 3    | 45  | 10   | 150 | 1/20          |
| 60   | 2 3/8   | 70   | 2 3/4   | 3    | 45  | 10   | 150 | 1/20          |
| 65   | 2 9/16  | 75   | 2 15/16 | 3    | 45  | 10   | 150 | 1/20          |
| 70   | 2 3/4   | 80   | 3 5/32  | 3    | 45  | 10   | 150 | 1/20          |
| 75   | 2 15/16 | 85   | 3 11/32 | 3    | 45  | 10   | 150 | 1/20          |
| 76   | 3       | 86   | 3 3/8   | 3    | 45  | 10   | 150 | 1/20          |
| 80   | 3 5/32  | 90   | 3 1/2   | 3    | 45  | 10   | 150 | 1/20          |
| 90   | 3 1/2   | 100  | 3 15/16 | 3    | 45  | 10   | 150 | 1/20          |



# SILAR

TUBO MANDATA ACQUA DI RAFFREDDAMENTO PER ALTE TEMPERATURE  
 WATER COOLING DELIVERY HOSE FOR HIGH TEMPERATURE  
 TUYAU POUR REFOULEMENT D'EAU DE REFROIDISSEMENT AVEC TEMPERATURES ELEVEES  
 KÜHL- DRUCKWASSERSCHLAUCH FÜR HOHEN TEMPERATUREN



| APPLICAZIONE  | APPLICATION   | APPLICATION   | ANWENDUNG   |
|---|---|---|---|
| Mandata acqua calda e fluidi refrigeranti, utilizzati nei circuiti di raffreddamento dei motori endotermici con temperature di lavoro molto elevate | Delivery hose for hot water and coolant fluid, applied in engine cooling systems where resistance to high working temperature is required | Tuyau pour refoulement pour d'eau chaude et fluides de réfrigération, utilisé dans les circuits de refroidissement des moteurs qui travaillent à haute température. | Spezial-Kühlerschlauch, zum Durchleiten von Heiß- und Kaltwasser, in geschlossenen Kühlsystemen, mit hoher Hitzebeständigkeit |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Rosso, liscio in silicone <b>VMQ</b> (disponibile in vari colori)   | Red, smooth, <b>VMQ</b> silicon (available also in many other colors)   | Rouge, lisse en silicone <b>VMQ</b> (disponible aussi en autres couleurs)   | Rot, glatt, <b>VMQ</b> -Silikon-Qualität (auch in anderen Farben erhältlich)  |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti in NOMEX  | NOMEX fibers  | Nappes en NOMEX   | NOMEX Textilgewebe  |
| COPERTURA   | COVER   | RETEVEMENT EXTERIEUR  | DECKE   |
| Rossa, liscia, ad impressione tela in silicone <b>VMQ</b> , resistente al calore ed agli agenti atmosferici (disponibile in vari colori)            | Red, smooth, cloth impression silicon <b>VMQ</b> , high temperature and weather resistant (available also in many other colors)           | Silicone <b>VMQ</b> rouge, lisse, grain toile, résistant a l'haute température et aux agents atmosphériques (disponible aussi en autres couleurs)                   | Rot, stoffgemustert, Silikon <b>VMQ</b> , hochtemperatur- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -50°C +250°C  | -58°F +482°F  | -50°C +250°C  | -50°C +250°C  |

| ID   |         | OD   |         | WP  |     | BP  |     | COIL LENGTH |
|------|---------|------|---------|-----|-----|-----|-----|-------------|
| mm   | inch    | mm   | inch    | bar | psi | bar | psi | m           |
| 12   | 15/32   | 22   | 7/8     | 10  | 150 | 30  | 450 | 1/20        |
| 18   | 23/32   | 28   | 1 3/32  | 10  | 150 | 30  | 450 | 1/20        |
| 20   | 25/32   | 30   | 1 3/16  | 10  | 150 | 30  | 450 | 1/20        |
| 22   | 7/8     | 32   | 1 1/4   | 10  | 150 | 30  | 450 | 1/20        |
| 25   | 1       | 35   | 1 3/8   | 10  | 150 | 30  | 450 | 1/20        |
| 28   | 1 3/32  | 38   | 1 1/2   | 10  | 150 | 30  | 450 | 1/20        |
| 30   | 1 3/16  | 40   | 1 9/16  | 10  | 150 | 30  | 450 | 1/20        |
| 32   | 1 1/4   | 42   | 1 21/32 | 10  | 150 | 30  | 450 | 1/20        |
| 35   | 1 3/8   | 45   | 1 25/32 | 10  | 150 | 30  | 450 | 1/20        |
| 38   | 1 1/2   | 48   | 1 7/8   | 10  | 150 | 30  | 450 | 1/20        |
| 40   | 1 9/16  | 50   | 1 31/32 | 10  | 150 | 30  | 450 | 1/20        |
| 42   | 1 21/32 | 52   | 2 1/16  | 8   | 120 | 24  | 360 | 1/20        |
| 45   | 1 25/32 | 55   | 2 5/32  | 8   | 120 | 24  | 360 | 1/20        |
| 48   | 1 7/8   | 58   | 2 9/32  | 8   | 120 | 24  | 360 | 1/20        |
| 50   | 1 31/32 | 60   | 2 3/8   | 8   | 120 | 24  | 360 | 1/20        |
| 51   | 2       | 61   | 2 13/32 | 8   | 120 | 24  | 360 | 1/20        |
| 55   | 2 5/32  | 65   | 2 9/16  | 4   | 60  | 12  | 180 | 1/20        |
| 60   | 2 3/8   | 70   | 2 3/4   | 4   | 60  | 12  | 180 | 1/20        |
| 63,5 | 2 1/2   | 73,5 | 2 29/32 | 4   | 60  | 12  | 180 | 1/20        |
| 70   | 2 3/4   | 80   | 3 5/32  | 4   | 60  | 12  | 180 | 1/20        |
| 76   | 3       | 86   | 3 3/8   | 4   | 60  | 12  | 180 | 1/20        |
| 80   | 3 5/32  | 90   | 3 17/32 | 4   | 60  | 12  | 180 | 1/20        |
| 90   | 3 17/32 | 100  | 3 15/16 | 4   | 60  | 12  | 180 | 1/20        |
| 102  | 4       | 112  | 4 13/32 | 4   | 60  | 12  | 180 | 1/20        |



# SILSPIR

TUBO ASPIRAZIONE E MANDATA ACQUA DI RAFFREDDAMENTO PER ALTE TEMPERATURE  
 WATER COOLING SUCTION AND DELIVERY HOSE FOR HIGH TEMPERATURE  
 TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU DE REFROIDISSEMENT AVEC TEMPERATURES ELEVEES  
 SAUG- UND DRUCK-KÜHLWASSERSCHLAUCH FÜR HOHEN TEMPERATUREN



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Aspirazione e mandata di aria ed acqua calda. Tubo molto flessibile per installazioni nei vani motore.                                   | Suction and delivery hose for hot air and water, applied in engine cooling systems, very flexible                               | Tuyau pour aspiration et refoulement d'air et eau chaude, utilisé dans les circuits de refroidissement des moteurs, très souple                   | Saug- und Druckschlauch, zum Durchleiten von Heißluft und -wasser, zum Einsatz in Kühlsystemen mit besonders engen Biegeradien |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Rosso, liscio in silicone <b>VMQ</b> (disponibile in vari colori)  | Red, smooth, <b>VMQ</b> silicon (available also in many other colors)   | Rouge, lisse en silicone <b>VMQ</b> (disponible aussi en autres couleurs)   | Rot, glatt, <b>VMQ</b> -Silikon-Qualität (auch in anderen Farben erhältlich)   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità con spirali metalliche incorporate  | High strength synthetic plies, with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Rossa, liscia, ad impressione tela in silicone <b>VMQ</b> , resistente al calore ed agli agenti atmosferici (disponibile in vari colori) | Red, smooth, cloth impression silicon <b>VMQ</b> , high temperature and weather resistant (available also in many other colors) | Silicone <b>VMQ</b> rouge, lisse, grain toile, résistant a l'haute temperature et aux agents atmosphériques (disponible aussi en autres couleurs) | Rot, stoffgemustert, Silikon <b>VMQ</b> , hochtemperatur- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -50°C +200°C   | -58°F +392°F  | -50°C +200°C  | -50°C +200°C   |

| ID |         | OD  |         | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|----|---------|-----|---------|-----|-----|-----|-----|----------------|--------|-------------|
| mm | inch    | mm  | inch    | bar | psi | bar | psi | mm             | bar    | m           |
| 10 | 3/8     | 20  | 25/32   | 5   | 75  | 15  | 225 | 50             | 0,8    | 20          |
| 13 | 1/2     | 23  | 29/32   | 5   | 75  | 15  | 225 | 65             | 0,8    | 20          |
| 15 | 19/32   | 25  | 1       | 5   | 75  | 15  | 225 | 75             | 0,8    | 20          |
| 16 | 5/8     | 26  | 1 1/32  | 5   | 75  | 15  | 225 | 80             | 0,8    | 20          |
| 19 | 3/4     | 29  | 1 5/32  | 5   | 75  | 15  | 225 | 95             | 0,8    | 20          |
| 25 | 1       | 35  | 1 3/8   | 5   | 75  | 15  | 225 | 125            | 0,8    | 20          |
| 28 | 1 1/8   | 38  | 1 1/2   | 5   | 75  | 15  | 225 | 140            | 0,8    | 20          |
| 30 | 1 3/16  | 40  | 1 9/16  | 5   | 75  | 15  | 225 | 150            | 0,8    | 20          |
| 32 | 1 1/4   | 42  | 1 21/32 | 5   | 75  | 15  | 225 | 160            | 0,8    | 20          |
| 35 | 1 3/8   | 45  | 1 25/32 | 5   | 75  | 15  | 225 | 175            | 0,8    | 20          |
| 38 | 1 1/2   | 48  | 1 7/8   | 5   | 75  | 15  | 225 | 190            | 0,8    | 20          |
| 40 | 1 9/16  | 50  | 1 31/32 | 5   | 75  | 15  | 225 | 200            | 0,8    | 20          |
| 42 | 1 21/32 | 52  | 2 1/16  | 5   | 75  | 15  | 225 | 210            | 0,8    | 20          |
| 45 | 1 25/32 | 55  | 2 5/32  | 5   | 75  | 15  | 225 | 225            | 0,8    | 20          |
| 48 | 1 7/8   | 58  | 2 9/32  | 5   | 75  | 15  | 225 | 240            | 0,8    | 20          |
| 51 | 2       | 61  | 2 13/32 | 5   | 75  | 15  | 225 | 260            | 0,8    | 20          |
| 55 | 2 5/32  | 65  | 2 9/16  | 5   | 75  | 15  | 225 | 180            | 0,8    | 40          |
| 60 | 2 3/8   | 70  | 2 3/4   | 5   | 75  | 15  | 225 | 200            | 0,8    | 40          |
| 70 | 2 3/4   | 80  | 3 5/32  | 5   | 75  | 15  | 225 | 200            | 0,8    | 40          |
| 76 | 3       | 96  | 3 25/32 | 5   | 75  | 15  | 225 | 200            | 0,8    | 40          |
| 90 | 3 17/32 | 102 | 4       | 5   | 75  | 15  | 225 | 200            | 0,8    | 40          |



# SILFLEX

TUBO ASPRAZIONE E MANDATA ACQUA DI RAFFREDDAMENTO PER ALTE TEMPERATURE- COPERTURA GRECATA  
 WATER COOLING SUCTION AND DELIVERY HOSE FOR HIGH TEMPERATURE - HELIX GROOVED COVER  
 TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU DE REFROIDISSEMENT AVEC TEMPERATURES ELEVEES - ONDULATION CARREE  
 SAUG-UND DRUCK-KÜHLWASSERSCHLAUCH FÜR HOHEN TEMPERATUREN - DECKE GERIEFT



| APPLICAZIONE   | APPLICATION  | APPLICATION   | ANWENDUNG  |
|--|--|---|--|
| Aspirazione e mandata di aria ed acqua calda. Tubo estremamente flessibile per installazioni nei vani motore | Suction and delivery hose for hot air and water, applied in engine cooling systems with very narrow routings | Tuyau pour aspiration et refoulement d'air et eau chaude, utilisé dans les circuits de refroidissement des moteurs avec des espaces très serrés               | Saug- und Druckschlauch, zum Durchleiten von Heißluft und -wasser, zum Einsatz in Kühlsystemen mit besonders engen Biegeradien |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Rosso, liscio in silicone <b>VMQ</b> (disponibile in vari colori)  | Red, smooth, <b>VMQ</b> silicon (available also in many other colors)  | Rouge, lisse en silicone <b>VMQ</b> (disponible aussi en autres couleurs)   | Rot, glatt, <b>VMQ</b> -Silikon-Qualität (auch in anderen Farben erhältlich)   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità con spirali metalliche incorporate  | High strength synthetic plies, with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Rossa, grecata, impressione tela in silicone <b>VMQ</b> , resistente al calore ed agli agenti atmosferici    | Red, helix grooved, cloth impression silicon <b>VMQ</b> , high temperature and weather resistant             | Silicone <b>VMQ</b> rouge, ondulation carrée, grain toile, résistant a l'haute temperature et aux agents atmosphériques (disponible aussi en autres couleurs) | Rot, stoffgemustert, gerieft, Silikon <b>VMQ</b> , hochtemperatur- und Witterungsbeständig                                     |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -50°C +200°C   | -58°F +392°F   | -50°C +200°C  | -50°C +200°C   |

| ID   |         | OD   |         | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|---------|------|---------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch    | mm   | inch    | bar | psi | bar | psi | mm             | bar    | m           |
| 15   | 19/32   | 23   | 29/32   | 5   | 75  | 15  | 225 | 55             | 0,8    | 20          |
| 19   | 3/4     | 27   | 1 1/16  | 5   | 75  | 15  | 225 | 70             | 0,8    | 20          |
| 20   | 25/32   | 28   | 1 1/32  | 5   | 75  | 15  | 225 | 70             | 0,8    | 20          |
| 25   | 1       | 33   | 1 19/64 | 5   | 75  | 15  | 225 | 85             | 0,8    | 20          |
| 27   | 1 1/16  | 35   | 1 3/8   | 5   | 75  | 15  | 225 | 95             | 0,8    | 20          |
| 28   | 1 3/32  | 36   | 1 13/32 | 5   | 75  | 15  | 225 | 95             | 0,8    | 20          |
| 32   | 1 1/4   | 42   | 1 21/32 | 5   | 75  | 15  | 225 | 105            | 0,8    | 20          |
| 35   | 1 3/8   | 45   | 1 25/32 | 5   | 75  | 15  | 225 | 115            | 0,8    | 20          |
| 38   | 1 1/2   | 48   | 1 7/8   | 5   | 75  | 15  | 225 | 130            | 0,8    | 20          |
| 45   | 1 25/32 | 55   | 2 5/32  | 3,5 | 50  | 10  | 150 | 150            | 0,8    | 20          |
| 51   | 2       | 61   | 2 13/32 | 3,5 | 50  | 10  | 150 | 165            | 0,8    | 20          |
| 55   | 2 5/32  | 65   | 2 9/16  | 3,5 | 50  | 10  | 150 | 180            | 0,8    | 20          |
| 60   | 2 3/8   | 70   | 2 3/4   | 3,5 | 50  | 10  | 150 | 200            | 0,8    | 20          |
| 63,5 | 2 1/2   | 73,5 | 2 29/32 | 3,5 | 50  | 10  | 150 | 220            | 0,8    | 20          |
| 70   | 2 3/4   | 80   | 3 5/32  | 3,5 | 50  | 10  | 150 | 245            | 0,8    | 20          |
| 76   | 3       | 86   | 3 3/8   | 3,5 | 50  | 10  | 150 | 270            | 0,8    | 20          |
| 80   | 3 5/32  | 90   | 3 17/32 | 3,5 | 50  | 10  | 150 | 280            | 0,8    | 20          |
| 90   | 3 17/32 | 100  | 3 15/16 | 3,5 | 50  | 10  | 150 | 320            | 0,8    | 20          |
| 102  | 4       | 113  | 4 7/16  | 3,5 | 50  | 10  | 150 | 360            | 0,8    | 20          |
| 127  | 5       | 138  | 5 7/16  | 3,5 | 50  | 10  | 150 | 480            | 0,8    | 20          |
| 152  | 6       | 163  | 6 13/32 | 3,5 | 50  | 10  | 150 | 580            | 0,8    | 20          |







# **AER**

ARIA COMPRESSA | COMPRESSED AIR  
AIR COMPRIME | PREBLUFT





|                      |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION |  ANWENDUNG | page |
|----------------------|---|---|---|---|------|
| <b>AERGEN 20 L/L</b> | TUBO ARIA COMPRESSA -<br>LONG LENGTH  | COMPRESSED AIR LONG<br>LENGTH HOSE  | TUYAU AIR COMPRIME  | PREBLUFTSCHLAUCH  | 40   |
| <b>AERDEL /20</b>    | TUBO ARIA COMPRESSA   | COMPRESSED AIR HOSE-<br>HEAVY DUTY  | TUYAU AIR COMPRIME  | PREBLUFTSCHLAUCH  | 41   |
| <b>AERDEL /25</b>    | TUBO ARIA COMPRESSA   | COMPRESSED AIR HOSE-<br>HEAVY DUTY  | TUYAU AIR COMPRIME  | PREBLUFTSCHLAUCH  | 42   |
| <b>AERSTEL /40</b>   | TUBO ARIA COMPRESSA<br>RINFORZO METALLICO   | STEEL WIRE<br>REINFORCEMENT<br>COMPRESSED AIR HOSE  | TUYAU NAPPE ACIER AIR<br>COMPRIME   | PREBLUFTSCHLAUCH MIT<br>STAHLGEFLECHT   | 43   |



# AERGEN 20 L/L

TUBO ARIA COMPRESSA - LONG LENGTH | COMPRESSED AIR LONG LENGTH HOSE  
TUYAU AIR COMPRIME | PREBLUFTSCHLAUCH



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|--|--|--|
| Mandata aria compressa e fluidi inerti  | Delivery hose for compressed air and inert fluids                              | Tuyau pour refoulement d'air comprimé et des fluides inerts                      | Kompressorschlauch, auch zum Durchleiten von nicht aggressiven Medien geeignet |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>SBR</b>  | Black, smooth, <b>SBR</b> rubber compound                                      | Noir, lisse en caoutchouc <b>SBR</b>   | Schwarz, glatt, in <b>SBR</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant | <b>SBR/EPDM</b> noir, lisse, résistant à l'abrasion et aux agents atmosphériques | Schwarz, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig            |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -30°C +80°C   | -22°F +176°F   | -30°C +80°C  | -30°C +80°C  |

| 🔧 ID |       | 📏 OD |         | ⚖️ WEIGHT | 📊 WP |     | 📊 BP |     | 📐 BENDING RADIUS | 📏 COIL LENGTH |
|------|-------|------|---------|-----------|------|-----|------|-----|------------------|---------------|
| mm   | inch  | mm   | inch    | kg/m      | bar  | psi | bar  | psi | mm               | m             |
| 6    | 1/4   | 14   | 9/16    | 0,18      | 20   | 300 | 60   | 900 | 50               | MAX 100       |
| 8    | 5/16  | 17   | 21/32   | 0,25      | 20   | 300 | 60   | 900 | 65               | MAX 100       |
| 10   | 3/8   | 19   | 3/4     | 0,29      | 20   | 300 | 60   | 900 | 80               | MAX 100       |
| 13   | 1/2   | 23   | 29/32   | 0,40      | 20   | 300 | 60   | 900 | 105              | MAX 100       |
| 15   | 19/32 | 25   | 1       | 0,46      | 20   | 300 | 60   | 900 | 120              | MAX 100       |
| 16   | 5/8   | 26   | 1 1/32  | 0,48      | 20   | 300 | 60   | 900 | 130              | MAX 100       |
| 19   | 3/4   | 30   | 1 3/16  | 0,62      | 20   | 300 | 60   | 900 | 150              | MAX 100       |
| 25   | 1     | 37   | 1 15/32 | 0,86      | 20   | 300 | 60   | 900 | 200              | MAX 100       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT AERGEN W.P. 20 BAR D ITALY



# AERDEL /20

TUBO ARIA COMPRESSA | COMPRESSED AIR HOSE- HEAVY DUTY  
TUYAU AIR COMPRIME | PREBLUFTSCHLAUCH



|  |   |   |  |
|--|---|---|--|
| <b>APPLICAZIONE</b><br>Mandata aria compressa per utensili e attrezzature pneumatiche. Impieghi gravosi nella cantieristica stradale, ferroviaria, mineraria | <b>APPLICATION</b><br>Delivery hose for compressed air suitable for heavy duty pneumatic tools in road constructions, railways works, tunneling and mining, etc | <b>APPLICATION</b><br>Tuyau pour refoulement air comprimé pour outillages pneumatiques. Applications lourdes dans les chantiers autoroutiers, chemin de fer, tunnels et mines | <b>ANWENDUNG</b><br>Kompressorschlauch, schwere Ausführung, besonders zum Einsatz von Hochleistungs-Pressluftwerkzeugen, z.B. im Straßen-, Gleis-, Tunnel- und Bergbau |
| <b>SOTTOSTRATO</b><br>Nero, liscio in gomma <b>SBR</b>   | <b>TUBE</b><br>Black, smooth, <b>SBR</b> rubber compound  | <b>TUBE INTERIEUR</b><br>Noir, lisse en caoutchouc <b>SBR</b>   | <b>INNENSEELE</b><br>Schwarz, glatt, in <b>SBR</b> -Qualität   |
| <b>RINFORZO</b><br>Tessuti ad alta tenacità  | <b>REINFORCEMENT</b><br>High strength synthetic plies   | <b>ARMATURE</b><br>Nappes synthétiques très résistantes   | <b>EINLAGEN</b><br>Hochreißfestes synthetisches Cordgewebe   |
| <b>COPERTURA</b><br>Nera, liscia, ad impressione tela in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici                         | <b>COVER</b><br>Black, smooth, cloth impression <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant   | <b>REVETEMENT EXTERIEUR</b><br><b>SBR/EPDM</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques  | <b>DECKE</b><br>Schwarz, stoffgemustert, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig  |
| <b>TEMPERATURA D'ESERCIZIO</b><br>-30°C +80°C  | <b>WORKING TEMPERATURE</b><br>-22°F +176°F  | <b>TEMPERATURE</b><br>-30°C +80°C   | <b>BETRIEBSTEMPERATUR</b><br>-30°C +80°C   |

| ID   | OD      | WEIGHT | WP      | BP   | COIL LENGTH |     |     |     |       |
|------|---------|--------|---------|------|-------------|-----|-----|-----|-------|
| mm   | inch    | mm     | inch    | kg/m | bar         | psi | bar | psi | m     |
| 13   | 1/2     | 23     | 29/32   | 0,37 | 20          | 300 | 60  | 900 | 40/61 |
| 16   | 5/8     | 26     | 1 1/32  | 0,43 | 20          | 300 | 60  | 900 | 40/61 |
| 19   | 3/4     | 30     | 1 3/16  | 0,58 | 20          | 300 | 60  | 900 | 40/61 |
| 25   | 1       | 37     | 1 15/32 | 0,80 | 20          | 300 | 60  | 900 | 40/61 |
| 32   | 1 1/4   | 44     | 1 23/32 | 1,00 | 20          | 300 | 60  | 900 | 40/61 |
| 35   | 1 5/16  | 48     | 1 29/32 | 1,25 | 20          | 300 | 60  | 900 | 40/61 |
| 38   | 1 1/2   | 52     | 2 1/16  | 1,45 | 20          | 300 | 60  | 900 | 40/61 |
| 40   | 1 19/32 | 54     | 2 1/8   | 1,58 | 20          | 300 | 60  | 900 | 40/61 |
| 51   | 2       | 67     | 2 41/64 | 2,10 | 20          | 300 | 60  | 900 | 40/61 |
| 51   | 2       | 69     | 3 23/32 | 2,30 | 20          | 300 | 60  | 900 | 40/61 |
| 63,5 | 2 1/2   | 80     | 3 5/32  | 2,55 | 20          | 300 | 60  | 900 | 40/61 |
| 76   | 3       | 94     | 3 11/16 | 3,40 | 20          | 300 | 60  | 900 | 40/61 |
| 102  | 4       | 120    | 2 23/32 | 3,95 | 20          | 300 | 60  | 900 | 40/61 |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**D W.P. 20 BAR**

ITALY





# AERDEL /25

TUBO ARIA COMPRESSA | COMPRESSED AIR HOSE- HEAVY DUTY  
TUYAU AIR COMPRIME | PREBLUFTSCHLAUCH



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|---|---|--|
| Mandata aria compressa per utensili e attrezzature pneumatiche. Impieghi gravosi nella cantieristica stradale, ferroviaria, mineraria | Delivery hose for compressed air suitable for heavy duty pneumatic tools in road constructions, railways works, tunneling and mining, etc | Tuyau pour refoulement air comprimé pour outillages pneumatiques. Applications lourdes dans les chantiers autoroutiers, chemin de fer, tunnels et mines | Kompressorschlauch, schwere Ausführung, besonders zum Einsatz von Hochleistungs-Pressluftwerkzeugen, z.B. im Straßen-, Gleis-, Tunnel- und Bergbau |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>SBR</b>  | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität  |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici                      | Black, smooth, cloth impression <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant   | <b>SBR/EPDM</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques   | Schwarz, stoffgemustert, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -30°C +80°C   | -22°F +176°F  | -30°C +80°C   | -30°C +80°C  |

| ID   |        | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|------|--------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm   | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 19   | 3/4    | 32  | 1 1/4   | 0,74   | 25  | 375 | 75  | 1125 | 40/61       |
| 25   | 1      | 39  | 1 17/32 | 1,00   | 25  | 375 | 75  | 1125 | 40/61       |
| 30   | 1 3/16 | 46  | 1 13/16 | 1,21   | 25  | 375 | 75  | 1125 | 40/61       |
| 32   | 1 1/4  | 48  | 1 7/8   | 1,43   | 25  | 375 | 75  | 1125 | 40/61       |
| 38   | 1 1/2  | 54  | 2 1/8   | 1,64   | 25  | 375 | 75  | 1125 | 40/61       |
| 51   | 2      | 69  | 2 23/32 | 2,41   | 25  | 375 | 75  | 1125 | 40/61       |
| 63,5 | 2 1/2  | 83  | 3 9/32  | 3,19   | 25  | 375 | 75  | 1125 | 40/61       |
| 76   | 3      | 96  | 3 25/32 | 3,84   | 25  | 375 | 75  | 1125 | 40/61       |
| 102  | 4      | 125 | 4 59/94 | 5,82   | 25  | 375 | 75  | 1125 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AERDEL****W.P. 25 BAR**

ITALY



tubi gomma torino



# AERSTEL /40

TUBO ARIA COMPRESSA RINFORZO METALLICO | STEEL WIRE REINFORCEMENT COMPRESSED AIR HOSE  
TUYAU NAPPE ACIER AIR COMPRIME | PRELUFTSCHLAUCH MIT STAHLGEFLECHT



| APPLICAZIONE  | APPLICATION   | APPLICATION  | ANWENDUNG   |
|---|---|--|---|
| Mandata aria compressa per utensili e attrezzature pneumatiche. Impieghi gravosi a pressioni elevate nella cantieristica stradale, ferroviaria, mineraria | Delivery hose for compressed air suitable for heavy duty and high pressure pneumatic tools in road constructions, railways works, tunneling and mining, etc | Tuyau pour refoulement air comprimé pour outillages pneumatiques haute pression. Applications lourdes dans les chantiers autoroutiers, chemin de fer, tunnels et mines | Kompressorschlauch, schwere Ausführung, besonders zum Einsatz von Hochleistungs-Pressluftwerkzeugen mit erhöhten Betriebsdrücken, z.B. im Straßen-, Gleis-, Tunnel- und Bergbau |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>  | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse en caoutchouc <b>SBR</b>   | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Fili d'acciaio ad alta resistenza   | High tensile strength steel reinforcements  | Nappes en acier très résistantes   | Hochreißfestes Stahlgeflecht  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Gialla, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione ed agli agenti atmosferici  | Yellow, smooth, cloth impression <b>EPDM</b> rubber compound, abrasion and weather resistant  | <b>EPDM</b> jaune, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques   | Gelb, stoffgemustert, <b>EPDM</b> , Abrieb- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +80°C   | -22°F +176°F  | -30°C +80°C  | -30°C +80°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 13   | 1/2   | 25  | 1       | 0,60   | 50  | 750 | 150 | 2250 | 40/61       |
| 19   | 3/4   | 32  | 1 1/4   | 0,76   | 50  | 750 | 150 | 2250 | 40/61       |
| 25   | 1     | 38  | 1 1/2   | 0,98   | 40  | 600 | 120 | 1800 | 40/61       |
| 32   | 1 1/4 | 45  | 1 25/32 | 1,24   | 40  | 600 | 120 | 1800 | 40/61       |
| 38   | 1 1/2 | 53  | 2 3/32  | 1,60   | 40  | 600 | 120 | 1800 | 40/61       |
| 51   | 2     | 67  | 2 5/8   | 2,35   | 40  | 600 | 120 | 1800 | 40/61       |
| 63,5 | 2 1/2 | 80  | 3 1/8   | 2,90   | 35  | 525 | 105 | 1575 | 40/61       |
| 76   | 3     | 95  | 3 25/32 | 4,65   | 35  | 525 | 105 | 1575 | 40/61       |
| 102  | 4     | 122 | 4 13/16 | 6,10   | 30  | 450 | 90  | 1350 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT AERSTEL



W.P. 40 BAR

ITALY




tubi gomma torino



# **WEL**

CONDUZIONE GAS PER SALDATURE | WELDING HOSES  
TUYAUX POUR SOUDURE | SCHWEISSEN SCHLÄUCHE



|   |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION |  ANWENDUNG | page |
|---|---|---|---|---|------|
| <b>WELBLU</b><br><i>20/ISO3821 L/L</i>    | TUBO PER SALDATURE -<br>OSSIGENO  | WELDING HOSE- OXYGEN  | TUYAU POUR SOUDURE -<br>OXYGENE   | SCHWEIßSCHLAUCH<br>-SAUERSTOFF  | 46   |
| <b>WELRED</b><br><i>20/ISO3821 L/L</i>    | TUBO PER SALDATURE -<br>ACETILENE   | WELDING HOSE -<br>ACETYLENE   | TUYAU POUR SOUDURE -<br>ACETYLENE   | SCHWEIßSCHLAUCH -<br>ACETYLEN   | 47   |
| <b>WELTWIN</b><br><i>20/ISO3821 L/L</i>   | TUBO PER SALDATURE-<br>BINATO   | WELDING HOSE - TWIN   | TUYAU POUR SOUDURE -<br>JUMELE  | ZWILLINGSSCHWEIß-<br>SCHLAUCH   | 48   |
| <b>WELORANGE</b><br><i>20/ISO3821 L/L</i> | TUBO GAS PROPANO  | WELDING HOSE - PROPANE  | TUYAU POUR SOUDURE -<br>GAZ PROPANE   | SCHWEIßSCHLAUCH -<br>PROPAN   | 49   |



# WELBLU 20 ISO 3821 L/L

TUBO PER SALDATURE - OSSIGENO | WELDING HOSE - OXYGEN  
TUYAU POUR SOUDURE - OXYGENE | SCHWEISSCHLAUCH - SAUERSTOFF



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|---|--|---|
| Mandata di ossigeno per impianti di saldatura autogena, taglio ed usi tecnici              | Delivery hose, oxygen line in welding equipments                              | Tuyau pour refolement, ligne oxygène pour équipements de soudure                 | Sauerstoffschlauch, zum Einsatz in Schweißanlagen                       |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound                                     | Noir, lisse en caoutchouc <b>SBR</b>   | Schwarz, glatt, in <b>SBR</b> -Qualität                                 |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe                                 |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Blu, liscia in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici | Blue, smooth, <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant | <b>SBR/EPDM</b> bleu, lisse, résistant à l'abrasion et aux agents atmosphériques | Blau, glatt, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS  | NORMES   | NORMEN  |
| ISO 3821   | ISO 3821  | ISO 3821   | ISO 3821  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -25°C +80°C  | -13°F +176°F  | -25°C +80°C  | -25°C +80°C   |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 6  | 1/4   | 13 | 1/2     | 0,16   | 20  | 300 | 60  | 900 | 50/100      |
| 8  | 5/16  | 15 | 19/32   | 0,18   | 20  | 300 | 60  | 900 | 50/100      |
| 9  | 23/64 | 16 | 5/8     | 0,20   | 20  | 300 | 60  | 900 | 50/100      |
| 10 | 3/8   | 17 | 21/32   | 0,21   | 20  | 300 | 60  | 900 | 50/100      |
| 13 | 1/2   | 23 | 29/32   | 0,40   | 20  | 300 | 60  | 900 | 50/100      |
| 19 | 3/4   | 30 | 1 1/16  | 0,62   | 20  | 300 | 60  | 900 | 50/100      |
| 25 | 1     | 37 | 1 15/32 | 0,86   | 20  | 300 | 60  | 900 | 50/100      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT WELBLU W.P. 20 BAR ISO 3821 ITALY





# WELRED 20 ISO 3821 L/L

TUBO PER SALDATURE - ACETILENE | WELDING HOSE - ACETYLENE  
 TUYAU POUR SOUDURE - ACETYLENE | SCHWEISSSCHLAUCH - ACETYLEN



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|--|---|--|
| Mandata di acetilene per impianti di saldatura autogena, taglio ed usi tecnici               | Delivery hose, acetylene line in welding equipments                          | Tuyau pour refolement, ligne acétylène pour équipements de soudure                | Acetylschlauch, zum Einsatz in Schweißanlagen                          |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound                                    | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität                                |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe                                |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Rossa, liscia in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici | Red, smooth, <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant | <b>SBR/EPDM</b> rouge, lisse, résistant à l'abrasion et aux agents atmosphériques | Rot, glatt, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN   |
| ISO 3821   | ISO 3821   | ISO 3821  | ISO 3821   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -25°C +80°C  | -13°F +176°F   | -25°C +80°C   | -25°C +80°C  |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 6  | 1/4   | 13 | 1/2     | 0,16   | 20  | 300 | 60  | 900 | 50/100      |
| 8  | 5/16  | 15 | 19/32   | 0,18   | 20  | 300 | 60  | 900 | 50/100      |
| 9  | 23/64 | 16 | 5/8     | 0,20   | 20  | 300 | 60  | 900 | 50/100      |
| 10 | 3/8   | 17 | 21/32   | 0,21   | 20  | 300 | 60  | 900 | 50/100      |
| 13 | 1/2   | 23 | 29/32   | 0,40   | 20  | 300 | 60  | 900 | 50/100      |
| 19 | 3/4   | 30 | 1 1/16  | 0,62   | 20  | 300 | 60  | 900 | 50/100      |
| 25 | 1     | 37 | 1 15/32 | 0,86   | 20  | 300 | 60  | 900 | 50/100      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT WELRED W.P. 20 BAR ISO 3821 ITALY



# WELTWIN 20 ISO 3821 L/L

TUBO PER SALDATURE-BINATO | WELDING HOSE - TWIN  
TUYAU POUR SOUDURE - JUMELE | ZWILLINGSSCHWEISSSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|---|---|---|
| Tubo binato per mandata di gas per saldatura, taglio ed usi tecnici                                | Delivery twin hose, oxygen/acetylene line for welding equipments                      | Tuyau pour refoulement jumelé, oxygène/acétylène pour équipements de soudure              | Zwilling-Schweißschlauch, zum Autogenschweißen (Acetylen/ Sauerstoff)           |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse en caoutchouc <b>SBR</b>  | Schwarz, glatt, in <b>SBR</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | RETEMENT EXTERIEUR  | DECKE   |
| Blu e rossa, liscia in gomma <b>SBR/EPDM</b> , resistente all'abrasione ed agli agenti atmosferici | Blue and red, smooth, <b>SBR/EPDM</b> rubber compound, abrasion and weather resistant | <b>SBR/EPDM</b> bleu et rouge, lisse, résistant à l'abrasion et aux agents atmosphériques | Blau und rot, glatt, <b>SBR/EPDM</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN  |
| ISO 3821   | ISO 3821  | ISO 3821  | ISO 3821  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -25°C +80°C  | -13°F +176°F  | -25°C +80°C   | -25°C +80°C   |

| ID  |              | OD |       | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|--------------|----|-------|--------|-----|-----|-----|-----|-------------|
| mm  | inch         | mm | inch  | kg/m   | bar | psi | bar | psi | m           |
| 6+6 | 1/4+1/4      | 13 | 1/2   | 0,35   | 20  | 300 | 60  | 900 | 50/100      |
| 8+8 | 5/16+5/16    | 15 | 19/32 | 0,40   | 20  | 300 | 60  | 900 | 50/100      |
| 9+9 | 23/64+ 23/64 | 16 | 5/8   | 0,43   | 20  | 300 | 60  | 900 | 50/100      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT WELTWIN W.P. 20 BAR ISO 3821 ITALY



# WELORANGE 20 ISO 3821 L/L

TUBO PER SALDATURE - PROPANO | WELDING HOSE - PROPANE  
 TUYAU POUR SOUDURE - PROPANE | SCHWEISSCHLAUCH - PROPAN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|--|--|--|
| Mandata di gas propano per saldature ed usi tecnici   | Delivery hose of propan gas for welding equipments and industrial applications   | Tuyau pour refolement de propane, pour equipements de soudure                                    | Propanschlauch, zum Einsatz in Schweißanlagen                                |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b>  | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse en caoutchouc <b>NBR</b>   | Schwarz, glatt, in <b>NBR</b> -Qualität                                      |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe                                      |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Arancione, liscia in gomma <b>sintetica</b> , resistente all'abrasione ed agli agenti atmosferici | Orange, smooth, <b>synthetic</b> rubber compound, abrasion and weather resistant | Caoutchouc <b>Synthétique</b> orange, lisse, résistant à l'abrasion et aux agents atmosphériques | Orange, glatt, <b>Synthetisches gummi</b> , Abrieb-, und Witterungsbeständig |
| NORME   | SPECIFICATIONS   | NORMES   | NORMEN   |
| ISO 3821  | ISO 3821   | ISO 3821   | ISO 3821   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -25°C +80°C   | -13°F +176°F   | -25°C +80°C  | -25°C +80°C  |

| ID |      | OD |       | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|------|----|-------|--------|-----|-----|-----|-----|-------------|
| mm | inch | mm | inch  | kg/m   | bar | psi | bar | psi | m           |
| 6  | 1/4  | 13 | 1/2   | 0,16   | 20  | 300 | 60  | 900 | 50/100      |
| 8  | 5/16 | 15 | 19/32 | 0,18   | 20  | 300 | 60  | 900 | 50/100      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





TGT WELORANGE W.P. 20 BAR ISO 3821 ITALY



# **ABRA**

PRODOTTI ABRASIVI | MATERIAL HANDLING  
PRODUITS ABRASIFS | ABRIEFESTE SCHLÄUCHE



|                            |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION |  ANWENDUNG | page |
|----------------------------|---|---|---|---|------|
| <b>ABRASAND /10</b>        | TUBO PER SABBIAIATURA   | SANDBLASTING HOSE   | TUYAU SABLAGE   | SANDSTRAHLSCHLAUCH  | 52   |
| <b>ABRASAND HD /18</b>     | TUBO PER SABBIAIATURA PER IMPIEGHI GRAVOSI  | SANDBLASTING HEAVY DUTY HOSE  | TUYAU SABLAGE   | SANDSTRAHLSCHLAUCH HÖHER AUSDRUCK   | 53   |
| <b>ABRAPLUS /40</b>        | TUBO INTONACATRICI  | PLASTER HOSE  | TUYAU PROJECTION  | BETON-SPRITZSCHLAUCH  | 54   |
| <b>ABRAFONDO /18</b>       | TUBO MATERIALI ABRASIVI- 4 TELE DIVISE  | ABRASIVE PRODUCTS - 4 SPLIT PLIES   | PRODUITS ABRASIFS - 4 REINFORCEMENTS SEPARÉS  | ABRIEFESTSCHLAUCH MIT 4 GETRENNTEN TEXTILELAGEN   | 55   |
| <b>ABRACEM /10</b>         | TUBO MANDATA CEMENTO  | CEMENT DELIVERY HOSE  | TUYAU POUR REFOULEMENT DE CIMENT  | ZEMENT DRUCKSCHLAUCH  | 56   |
| <b>ABRAFLAT /4</b>         | TUBO CEMENTO APPIATTIBILE   | LAYFLAT CEMENT HOSE   | TUYAU CIMENT APLATISSABLE   | ZEMENT FLACHSCHLAUCH  | 57   |
| <b>ABRASPIR SD /10</b>     | TUBO ASPIRAZIONE E MANDATA CEMENTO  | CEMENT SUCTION AND DELIVERY HOSE  | TUYAU ASPIRATION ET REFOULEMENT POUR CIMENT   | ZEMENT SAUG-UND DRUCKSCHLAUCH   | 58   |
| <b>ABRAFLEX SD /10</b>     | TUBO ASPIRAZIONE E MANDATA CEMENTO - COPERTURA GRECATA  | CEMENT SUCTION AND DELIVERY HOSE HELIX GROOVED COVER  | TUYAU ASPIRATION ET REFOULEMENT POUR CIMENT- ONDULATION CARREE                                | ZEMENT SAUG-UND DRUCKSCHLAUCH - DECKE GERIEFT   | 59   |
| <b>ABRAVIBRATORI</b>       | TUBO VIBRATORI CALCESTRUZZO   | CONCRETE VIBRATOR HOSE  | TUYAU AIR COMPRIME VIBRATEURS ELECTRO-PNEUMATIQUES  | BETONRÜTTELSCHLAUCH   | 60   |
| <b>ABRACORR-FRA SD /10</b> | TUBO ASPIRAZIONE E MANDATA MATERIALI ABRASIVI IMPIEGHI GRAVOSI                                | ABRASIVE MATERIALS SUCTION AND DELIVERY HOSE  | TUYAU ASPIRATION ET REFOULEMENT POUR MATERIAUX ABRASIFS                                       | SAUG- UND DRUCKSCHLAUCH ABRIEFEST   | 61   |
| <b>ABRAPARA</b>            | TUBO SOLO GOMMA MATERIALI ABRASIVI - SENZA PRESSIONE  | NR RUBBER TUBING FOR ABRASIVE MATERIALS - NO PRESSURE   | TUBE EN CAOUTCHOUC NATUREL POUR MATERIAUX ABRASIFS SANS PRESSION                              | ABLAUFSCHLAUCH, FÜR ABRASIVE MATERIALIEN - OHNE DRUCK   | 62   |
| <b>ASPIMOKE</b>            | TUBO UNIVERSALE PER ASPIRAZIONE ARIA, FUMI E TRUCCIOLI. COPERTURA ONDULATA                    | MULTIPURPOSE SUCTION HOSE, AIR, SMOKES, WOODEN CHIPS, CORRUGATED COVER                        | TUYAU MULTI-USAGE POUR AIR, FUMÉES COPEAUX DE BOIS, REVETEMENT ONDULE                         | UNIVERSAL- ABSAUGSCHLAUCH, FÜR LUFT, RAUCH, SÄGESPÄNE ETC. DECKE GEWELT                       | 63   |
| <b>ASPICIPS</b>            | TUBO UNIVERSALE PER ASPIRAZIONE ARIA, FUMI E TRUCCIOLI. COPERTURA ONDULATA                    | MULTIPURPOSE SUCTION HOSE, AIR, SMOKES, WOODEN CHIPS, CORRUGATED COVER                        | TUYAU MULTI-USAGE POUR AIR, FUMÉES, COPEAUX DE BOIS, REVETEMENT ONDULE                        | UNIVERSAL- ABSAUGSCHLAUCH, FÜR LUFT, RAUCH, SÄGESPÄNE ETC. DECKE GEWELT                       | 64   |
| <b>INSUTEX CAVI/TV</b>     | TUBO PROTEZIONE CAVI ELETTRICI E TORCE DI SALDATURA   | RUBBER SLEEVE FOR ELECTRICAL CABLE PROTECTION AND WELDING TORCES                              | FOURREAU EN CAOUTCHOUC POUR LA PROTECTION DU CABLE ELECTRIQUES ET DES TORCHES DE SOUDURE      | GUMMI-SCHUTZSCHLAUCH ZUM SCHUTZ VON ELEKTROKABELN UND SCHWEIBSCHLÄUCHE                        | 65   |
| <b>RODFLEX</b>             | TUBO ASPIRAZIONE SPAZZATRICI STRADALI   | SUCTION HOSE FOR STREET SWEEPERS  | TUYAU ASPIRATION POUR BALAYEUSES ROUTIERES  | SAUGSCHLAUCH FÜR STRAßENREINIGUNG FAHRZEUGE   | 66   |
| <b>RODPAT</b>              | TUBO ASPIRAZIONE SPAZZATRICI STRADALI. COMPRIMIBILE   | SUCTION HOSE FOR STREET SWEEPERS, COMPRESSIBLE  | TUYAU ASPIRATION POUR BALAYEUSES ROUTIERES - COMPRESSIBLE                                     | SAUGSCHLAUCH FÜR STRAßENREINIGEN FAHRZEUGE STAUCHBAR  | 67   |



# ABRASAND /10

TUBO PER SABBATURA | SANDBLASTING HOSE  
TUYAU SABLAGE | SANDSTRAHLSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata di sabbia o graniglia metallica, utilizzato in impianti di sabbatura e pallinatura                                 | Delivery hose, sand and bead blasting application  | Tuyau pour refoulement r sablage et microbillage   | Sandstrahlschlauch, für Sand- und Stahlstrahlmittel   |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 70 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID  |        | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|--------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 13  | 1/2    | 25  | 1       | 0,44   | 10  | 150 | 30  | 450 | 40          |
| 16  | 5/8    | 30  | 1 3/16  | 0,59   | 10  | 150 | 30  | 450 | 40          |
| 19  | 3/4    | 30  | 1 3/16  | 0,50   | 10  | 150 | 30  | 450 | 40/61       |
| 19  | 3/4    | 33  | 1 5/16  | 0,66   | 10  | 150 | 30  | 450 | 40/61       |
| 25  | 1      | 40  | 1 9/16  | 0,88   | 10  | 150 | 30  | 450 | 40/61       |
| 30  | 1 3/16 | 45  | 1 25/32 | 1,02   | 10  | 150 | 30  | 450 | 40/61       |
| 32  | 1 1/4  | 48  | 1 7/8   | 1,16   | 10  | 150 | 30  | 450 | 40/61       |
| 38  | 1 1/2  | 54  | 2 1/8   | 1,33   | 10  | 150 | 30  | 450 | 40/61       |
| 40  | 1 9/16 | 60  | 2 3/8   | 1,83   | 10  | 150 | 30  | 450 | 40/61       |
| 51  | 2      | 71  | 2 13/16 | 2,20   | 10  | 150 | 30  | 450 | 40/61       |
| 60  | 2 3/8  | 80  | 3 3/16  | 2,53   | 10  | 150 | 30  | 450 | 40/61       |
| 80  | 3 5/32 | 105 | 4 1/8   | 4,18   | 10  | 150 | 30  | 450 | 40/61       |
| 90  | 3 1/2  | 115 | 4 17/32 | 4,63   | 10  | 150 | 30  | 450 | 40/61       |
| 102 | 4      | 127 | 5       | 5,17   | 10  | 150 | 30  | 450 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRASAND**

D W.P. 10 BAR

ITALY

tubi gomma torino



# ABRASAND HD /18

TUBO PER SABBIAIATURA PER IMPIEGHI GRAVOSI | SANDBLASTING HEAVY DUTY HOSE  
TUYAU SABLAGE | SANDSTRAHLSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata di sabbia o graniglia metallica, utilizzato in impianti di sabbiaatura e pallinatura alta pressione, alta resistenza all'abrasione | Delivery hose, sand and bead blasting application, high pressure, high abrasion resistance               | Tuyau pour refoulement sablage et microbillage, haute pression, haute résistance à l'abrasion            | Sandstrahlschlauch, für Sand- und Stahlstrahlmittel, für Hochdruck, mit hochAbriebfester Innenseele |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici                 | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig     |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 50 ± 5 mm <sup>3</sup>   | DIN 53516 50 ± 5 mm <sup>3</sup>   | DIN 53516 50 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 50 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 13 | 1/2    | 25 | 1       | 0,45   | 18  | 270 | 54  | 810 | 40          |
| 16 | 5/8    | 30 | 1 3/16  | 0,63   | 18  | 270 | 54  | 810 | 40          |
| 19 | 3/4    | 30 | 1 3/16  | 0,53   | 18  | 270 | 54  | 810 | 40/61       |
| 19 | 3/4    | 33 | 1 5/16  | 0,71   | 18  | 270 | 54  | 810 | 40/61       |
| 25 | 1      | 40 | 1 9/16  | 0,96   | 18  | 270 | 54  | 810 | 40/61       |
| 30 | 1 3/16 | 45 | 1 25/32 | 1,10   | 18  | 270 | 54  | 810 | 40/61       |
| 32 | 1 1/4  | 48 | 1 7/8   | 1,26   | 18  | 270 | 54  | 810 | 40/61       |
| 35 | 1 3/8  | 54 | 2 1/8   | 1,66   | 18  | 270 | 54  | 810 | 40/61       |
| 38 | 1 1/2  | 54 | 2 1/8   | 1,44   | 18  | 270 | 54  | 810 | 40/61       |
| 40 | 1 9/16 | 60 | 2 3/8   | 1,96   | 18  | 270 | 54  | 810 | 40/61       |
| 51 | 2      | 71 | 2 13/16 | 2,39   | 18  | 270 | 54  | 810 | 40/61       |
| 60 | 2 3/8  | 80 | 3 3/16  | 2,75   | 18  | 270 | 54  | 810 | 40/61       |
| 65 | 2 9/16 | 85 | 3 11/32 | 2,78   | 18  | 270 | 54  | 810 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**ABRASAND HD**

**D W.P. 18 BAR**

ITALY



tubi gomma torino



# ABRAPLUS /40

TUBO INTONACATRICI | PLASTER HOSE  
TUYAU PROJECTION | BETON-SPRITZSCHLAUCH

| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Tubo per intonacatrici   | Plaster hoses  | Tuyau projection   | Mörtel- und Beton-Spritzschlauch  |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 70 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi  | m           |
| 25  | 1       | 37  | 1 15/32 | 0,73   | 40  | 600 | 120 | 1800 | 40/61       |
| 25  | 1       | 38  | 1 1/2   | 0,80   | 40  | 600 | 120 | 1800 | 40/61       |
| 32  | 1 1/4   | 46  | 1 13/16 | 1,07   | 40  | 600 | 120 | 1800 | 40/61       |
| 35  | 1 3/8   | 49  | 1 15/16 | 1,23   | 40  | 600 | 120 | 1800 | 40/61       |
| 38  | 1 1/2   | 54  | 2 1/8   | 1,44   | 40  | 600 | 120 | 1800 | 40/61       |
| 40  | 1 9/16  | 56  | 2 5/32  | 1,52   | 40  | 600 | 120 | 1800 | 40/61       |
| 51  | 2       | 68  | 2 11/16 | 1,99   | 40  | 600 | 120 | 1800 | 40/61       |
| 65  | 2 9/16  | 85  | 3 11/32 | 2,90   | 40  | 600 | 120 | 1800 | 40/61       |
| 76  | 3       | 95  | 3 3/4   | 3,19   | 40  | 600 | 120 | 1800 | 40/61       |
| 80  | 3 5/32  | 100 | 3 15/16 | 3,53   | 40  | 600 | 120 | 1800 | 40/61       |
| 90  | 3 35/64 | 110 | 4 21/64 | 3,93   | 40  | 600 | 120 | 1800 | 40/61       |
| 102 | 4       | 122 | 4 13/16 | 4,50   | 40  | 600 | 120 | 1800 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRAPLUS****D W.P. 40 BAR**

ITALY



tubi gomma torino





# ABRAFONDO /18

TUBO MATERIALI ABRASIVI - 4 TELE DIVISE | ABRASIVE PRODUCTS - 4 SPLIT PLIES  
 PRODUITS ABRASIFS - 4 REINFORCEMENTS SEPARÉS | ABRIEFESTSCHLAUCH MIT 4 GETRENNTEN TEXTILEILAGEN



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Tubo per intonacatrici   | Plaster hoses  | Tuyau projection   | Mörtel- und Beton-Spritzschlauch  |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità, 4 tele separate  | Four, independent, high strength synthetic plies   | Quatre nappes synthétiques très résistantes  | Vier hochreißfeste synthetische Cordgewebe-Einlagen   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 70 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 60 | 2 3/8  | 80 | 3 5/32  | 2,72   | 18  | 270 | 54  | 810 | 40          |
| 65 | 2 9/16 | 85 | 3 11/32 | 2,80   | 18  | 270 | 54  | 810 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT ABRAFONDO



W.P. 18 BAR

ITALY

tubi gomma torino



# ABRACEM /10

TUBO MANDATA CEMENTO | CEMENT DELIVERY HOSE  
TUYAU POUR REFOULEMENT DE CIMENT | ZEMENT DRUCKSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata cemento, sabbia e materiali abrasivi secchi  | Delivery hose for concrete, sand, gravel and general abrasive dry materials                              | Tuyau pour refolement de sable, ciment, gravier et matériaux abrasifs secs                               | Zement-Siloschlauch, besonders geeignet zum Durchleiten von trockenen abrasiven Materialien wie Zement, Sand und Schotter |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig                           |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 70 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 51  | 2       | 65  | 2 9/16  | 1,74   | 10  | 150 | 30  | 450 | 40/61       |
| 60  | 2 3/8   | 74  | 2 29/32 | 1,87   | 10  | 150 | 30  | 450 | 40/61       |
| 70  | 2 3/4   | 84  | 3 5/16  | 2,18   | 10  | 150 | 30  | 450 | 40/61       |
| 76  | 3       | 86  | 3 13/32 | 1,62   | 10  | 150 | 30  | 450 | 40/61       |
| 76  | 3       | 92  | 3 41/64 | 2,25   | 10  | 150 | 30  | 450 | 40/61       |
| 80  | 3 5/32  | 90  | 3 35/64 | 1,90   | 10  | 150 | 30  | 450 | 40/61       |
| 80  | 3 5/32  | 96  | 3 51/64 | 2,60   | 10  | 150 | 30  | 450 | 40/61       |
| 90  | 3 35/64 | 100 | 3 15/16 | 2,00   | 10  | 150 | 30  | 450 | 40/61       |
| 90  | 3 35/64 | 106 | 4 11/64 | 2,67   | 10  | 150 | 30  | 450 | 40/61       |
| 102 | 4       | 112 | 4 25/64 | 2,30   | 10  | 150 | 30  | 450 | 40/61       |
| 102 | 4       | 118 | 4 21/32 | 3,18   | 10  | 150 | 30  | 450 | 40/61       |
| 120 | 4 23/32 | 138 | 5 7/16  | 4,56   | 10  | 150 | 30  | 450 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRACEM****D W.P. 10 BAR**

ITALY



tubi gomma torino



# ABRAFLAT /4

TUBO CEMENTO APPIATTIBILE | LAYFLAT CEMENT HOSE  
TUYAU CIMENT APLATISSABLE | ZEMENT FLACHSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata cemento, sabbia e materiali abrasivi secchi. Appiattibile  | Layflat delivery hose for concrete, sand, gravel and general abrasive dry materials                      | Tuyau aplatisable pour refoulement de sable, ciment, gravier et matériaux abrasifs secs                  | Zement-Silo-Flachschlauch, besonders geeignet zum Durchleiten von trockenen abrasiven Materialien wie Zement, Sand und Schotter |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig                                 |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | DIN 53516 70 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 70 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 90  | 3 17/32 | 100 | 3 15/16 | 1,25   | 4   | 60  | 12  | 180 | 40/61       |
| 102 | 4       | 112 | 4 25/64 | 1,39   | 4   | 60  | 12  | 180 | 40/61       |
| 110 | 4 21/64 | 120 | 4 23/32 | 1,52   | 4   | 60  | 12  | 180 | 40/61       |
| 127 | 5       | 137 | 5 23/32 | 1,72   | 4   | 60  | 12  | 180 | 40/61       |
| 152 | 6       | 162 | 6 3/8   | 2,05   | 4   | 60  | 12  | 180 | 40/61       |
| 203 | 8       | 213 | 8 1/2   | 2,74   | 4   | 60  | 12  | 180 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**ABRAFLAT**

**D W.P. 4 BAR**

ITALY



tubi gamma torino



# ABRASPIR SD /10

TUBO ASPIRAZIONE E MANDATA CEMENTO | CEMENT SUCTION AND DELIVERY HOSE  
TUYAU ASPIRATION ET REFOULEMENT POUR CIMENT | ZEMENT SAUG-UND DRUCKSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Aspirazione e mandata materiali abrasivi secchi, per autocisterne e silos. Struttura molto flessibile                      | Suction and delivery for abrasive dry materials, suitable for loading and unloading of tank trucks and silos | Tuyau pour aspiration et refolement de matériaux abrasif secs, pour remplissage et dépotage des camions et silos | Zement-Saug- und Druckschlauch, besonders geeignet zum Be- und Entladen von Tankwagen und Silos |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico  | Black, smooth, <b>NR/SBR</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>  | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant     | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques         | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| DIN 53516 50 ± 5 mm <sup>3</sup>   | DIN 53516 50 ± 5 mm <sup>3</sup>   | DIN 53516 50 ± 5 mm <sup>3</sup>   | Nach DIN 53516, Abrieb 50 ± 5 mm <sup>3</sup>   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F   | -40°C +70°C  | -40°C +70°C   |

| ID   |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 51   | 2       | 65  | 2 5/16  | 1,92   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40/61       |
| 60   | 2 3/8   | 75  | 2 15/16 | 2,30   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40/61       |
| 63,5 | 2 1/2   | 79  | 3 1/8   | 2,43   | 10  | 150 | 30  | 450 | 380            | 0,9    | 40/61       |
| 70   | 2 3/4   | 86  | 3 3/8   | 2,80   | 10  | 150 | 30  | 450 | 420            | 0,9    | 40/61       |
| 76   | 3       | 92  | 3 41/64 | 3,28   | 10  | 150 | 30  | 450 | 450            | 0,9    | 40/61       |
| 80   | 3 5/32  | 96  | 3 25/32 | 3,45   | 10  | 150 | 30  | 450 | 480            | 0,9    | 40/61       |
| 90   | 3 17/32 | 106 | 4 3/16  | 3,80   | 10  | 150 | 30  | 450 | 540            | 0,9    | 40/61       |
| 102  | 4       | 118 | 4 21/32 | 4,80   | 10  | 150 | 30  | 450 | 610            | 0,9    | 40/61       |
| 110  | 4 21/64 | 128 | 5 3/64  | 5,60   | 10  | 150 | 30  | 450 | 660            | 0,9    | 40/61       |
| 120  | 4 23/32 | 138 | 5 7/16  | 6,00   | 10  | 150 | 30  | 450 | 720            | 0,9    | 40/61       |
| 127  | 5       | 147 | 5 51/64 | 6,80   | 10  | 150 | 30  | 450 | 760            | 0,8    | 40/61       |
| 152  | 6       | 174 | 6 27/32 | 11,00  | 10  | 150 | 30  | 450 | 920            | 0,8    | 40/61       |
| 203  | 8       | 229 | 9       | 16,30  | 10  | 150 | 30  | 450 | 1220           | 0,8    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRASPIR**

SD W.P. 10 BAR

ITALY

tubi gomma torino



# ABRAFLEX SD /10

TUBO ASPIRAZIONE E MANDATA CEMENTO - COPERTURA GRECATA  
 CEMENT SUCTION AND DELIVERY HOSE HELIX GROOVED COVER  
 TUYAU ASPIRATION ET REFOULEMENT POUR CIMENT- ONDULATION CARREE  
 ZEMENT SAUG-UND DRUCKSCHLAUCH - DECKE GERIEFT



| APPLICAZIONE  | APPLICATION   | APPLICATION   | ANWENDUNG  |
|---|---|---|--|
| Aspirazione e mandata di cemento, sabbia, ghiaia e materiali abrasivi. La copertura "grecata" permette una flessibilità eccezionale | Suction and delivery hose for concrete, sand, gravel and general abrasive materials. The outside corrugation assures an outstanding flexibility | Tuyau de aspiration et refolement pour sable, ciment, gravier et matériaux abrasifs. L'ondulation carrée extérieure assure une souplesse exceptionnelle | Zement-Siloschlauch, besonders geeignet zum Durchleiten von trockenen abrasiven Materialien wie Zement, Sand und Schotter; hochflexibel durch spezielle Außenwellung |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NR/SBR</b> antistatico   | Black, smooth, <b>NR/SBR</b> antistatic rubber compound   | Noir, lisse, antistatique en caoutchouc <b>NR/SBR</b>   | Schwarz, glatt, antistatisch, <b>NR/SBR</b> -Mischung  |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, grecata, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici         | Black, helix grooved, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant                                 | <b>NR/SBR</b> noir, ondulation carrée, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques                                    | Schwarz, stoffgemustert, gewellt, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig   |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN   |
| DIN 53516 50 ± 5 mm <sup>3</sup>  | DIN 53516 50 ± 5 mm <sup>3</sup>  | DIN 53516 50 ± 5 mm <sup>3</sup>  | Nach DIN 53516, Abrieb 50 ± 5 mm <sup>3</sup>  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +70°C   | -40°F +158°F  | -40°C +70°C   | -40°C +70°C  |

| ID   |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 51   | 2       | 64  | 2 17/32 | 1,80   | 10  | 150 | 30  | 450 | 230            | 0,9    | 40          |
| 60   | 2 3/8   | 74  | 2 29/32 | 2,10   | 10  | 150 | 30  | 450 | 270            | 0,9    | 40          |
| 63,5 | 2 1/2   | 77  | 3 1/32  | 2,30   | 10  | 150 | 30  | 450 | 285            | 0,9    | 40          |
| 70   | 2 3/4   | 84  | 3 5/16  | 2,50   | 10  | 150 | 30  | 450 | 315            | 0,9    | 40          |
| 76   | 3       | 90  | 3 35/64 | 2,90   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40          |
| 80   | 3 5/32  | 95  | 3 3/4   | 3,30   | 10  | 150 | 30  | 450 | 380            | 0,9    | 40          |
| 90   | 3 17/32 | 105 | 4 1/8   | 3,60   | 10  | 150 | 30  | 450 | 430            | 0,9    | 40          |
| 102  | 4       | 118 | 4 21/32 | 4,80   | 10  | 150 | 30  | 450 | 510            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG











# ABRAVIBRATORI

TUBO VIBRATORI CALCESTRUZZO | CONCRETE VIBRATOR HOSE  
TUYAU AIR COMPRIME VIBRATEURS ELECTRO-PNEUMATIQUES | BETONRÜTTELSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|--|--|--|--|
| Mandata aria compressa nei vibratori elettro pneumatici. Struttura indeformabile durante l'impiego. Buon raggio di curvatura | Delivery hose for compressed air in electro pneumatic vibrators. Strong structure and good flexibility   | Tuyau pour refoulement air comprimé de vibrateurs electro-pneumatiques. Structure robuste avec une bonne souplesse | Kompressorschlauch, zum Einsatz an Verdichtern in der Bauindustrie, in schwerer Ausführung, hochflexibel |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>SBR</b> con durezza Shore A 85  | Black, smooth, <b>SBR</b> rubber compound, Shore A 85  | Noir, lisse, caoutchouc <b>SBR</b> avec un dureté Shore A 85   | Schwarz, glatt, <b>SBR</b> -Qualität, A 85 Shore   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia, antistatica ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici   | Black, smooth, antistatic cloth impression <b>NR/SBR</b> rubber compound, abrasion and weather resistant | <b>NR/SBR</b> noir, lisse, antistatique grain toile, résistant a l'abrasion et aux agents atmosphériques           | Schwarz, stoffgemustert, antistatisch, <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig          |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -20°C +70°C  | -4°F +158°F  | -20°C +70°C  | -20°C +70°C  |

|  |        |  |         |  |  |     |  |     |  |
|---|--------|---|---------|---|---|-----|---|-----|---|
| ID  |        | OD  |         | WEIGHT  | WP  |     | BP  |     | COIL LENGTH   |
| mm  | inch   | mm  | inch    | kg/m  | bar   | psi | bar   | psi | m   |
| 19  | 3/4    | 30  | 1 3/16  | 0,57  | 10  | 150 | 30  | 450 | 4/5/40  |
| 25  | 1      | 39  | 1 17/32 | 0,95  | 10  | 150 | 30  | 450 | 4/5/40  |
| 30  | 1 3/16 | 42  | 1 21/32 | 0,92  | 10  | 150 | 30  | 450 | 4/5/40  |



# ABRACORR-FRA SD /10

TUBO ASPIRAZIONE E MANDATA MATERIALI ABRASIVI IMPIEGHI GRAVOSI  
 ABRASIVE MATERIALS SUCTION AND DELIVERY HOSE  
 TUYAU ASPIRATION ET REFOULEMENT POUR MATERIAUX ABRASIFS  
 SAUG- UND DRUCKSCHLAUCH ABRIEFEST



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Aspirazione e mandata di cemento, sabbia, ghiaia e materiali abrasivi. Può essere fornito con semigusci flangiati in alluminio <b>UNI 2277 PN10</b> , completi di guarnizioni in gomma   | Suction and delivery hose for concrete, sand, gravel and general abrasive materials. ABRACORR-FRA can be supplied equipped with <b>UNI 2277 PN10</b> split flanges  | Aspiration et refoulement pour sable, ciment, gravier et matériaux abrasifs. ABRACORR-FRA peut être fournis équipé avec spéciales demis brides  | Saug- und Druckschlauch in antistatischer Ausführung, für Zement, Sand, Schotter und anderen abrasiven Materialien. ABRACORR-FRA kann mit Halbfanschen nach <b>UNI 2277 PN10</b> geliefert werden  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| <b>STD:</b> Nero, liscio in gomma <b>NR/SBR</b> antistatico (R<10 <sup>6</sup> Ohm/m)<br><b>SPEC 1:</b> Marrone, liscio in gomma <b>NR</b> (ideale per sassi e ghiaia)<br><b>SPEC 2:</b> Bianco liscio in gomma <b>NR</b> , qualità alimentare in accordo alle norme FDA<br><b>SPEC 3:</b> Nero, liscio in gomma <b>EPDM</b> antistatico | <b>STD:</b> black, smooth, <b>NR/SBR</b> antistatic rubber compound (R<10 <sup>6</sup> Ohm/m)<br><b>SPEC 1:</b> brown, smooth, <b>NR</b> rubber compound (ideal for stones and gravels)<br><b>SPEC 2:</b> White, smooth, <b>NR</b> FDA approved rubber compound<br><b>SPEC 3:</b> black, smooth, <b>EPDM</b> antistatic rubber compound | <b>STD:</b> Noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) en caoutchouc <b>NR/SBR</b><br><b>SPEC 1:</b> brun, lisse antistatique en caoutchouc <b>NR</b> (tres indiquée pour roches et gravieres)<br><b>SPEC 2:</b> blanc, lisse en caouchouc <b>NR</b> de quailté alimentaire (FDA)<br><b>SPEC 3:</b> noir lisse, antistatique en caoutchouc <b>EPDM</b> | <b>STANDARD:</b> schwarz, glatt, antistatisch, in <b>NR/SBR</b> -Mischung (R<10 <sup>6</sup> Ohm/m)<br><b>AUSF 1:</b> braun, glatt, <b>NR</b> -Qualität (ideal zum Durchleiten von Kies und Schotter)<br><b>AUSF 2:</b> weiß, glatt, <b>NR</b> -Qualität, FDA geprüft<br><b>AUSF 3:</b> schwarz, glatt, antistatisch <b>EPDM</b> -Qualität |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with steel wire spirals and 1 copper wire for hose grounding   | Nappes synthétiques très résistant avec spirales métallique et 1 fil en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, ondulata, antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente all'abrasione ed agli agenti atmosferici   | Black, corrugated, antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, abrasion and weather resistant  | <b>CR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant à l'abrasion et aux agents atmosphériques  | Schwarz, stoffgemustert, gewellt, antistatisch (R<10 <sup>6</sup> Ohm/m), <b>CR</b> , Abrieb- und Witterungsbeständig  |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| DIN 53516 50 ± 5 mm <sup>3</sup>   | DIN 53516 50 ± 5 mm <sup>3</sup>  | DIN 53516 50 ± 5 mm <sup>3</sup>  | Nach DIN 53516, Abrieb 50 ± 5 mm <sup>3</sup>  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +70°C  | -40°F +158°F  | -40°C +70°C   | -40°C +70°C  |

| ID  |       | OD  |          | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|-------|-----|----------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch  | mm  | inch     | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 80  | 3 1/8 | 112 | 4 13/32  | 5,85   | 10  | 150 | 30  | 450 | 400            | 0,9    | 40          |
| 102 | 4     | 132 | 5 3/16   | 7,00   | 10  | 150 | 30  | 450 | 500            | 0,9    | 40          |
| 127 | 5     | 157 | 6 3/16   | 8,50   | 10  | 150 | 30  | 450 | 650            | 0,9    | 40          |
| 152 | 6     | 183 | 7 13/64  | 11,80  | 10  | 150 | 30  | 450 | 900            | 0,9    | 40          |
| 203 | 8     | 233 | 9 3/16   | 15,30  | 10  | 150 | 30  | 450 | 1650           | 0,9    | 12          |
| 254 | 10    | 287 | 11 13/64 | 20,60  | 10  | 150 | 30  | 450 | 2000           | 0,8    | 12          |
| 305 | 12    | 340 | 13 25/64 | 27,00  | 10  | 150 | 30  | 450 | 2750           | 0,8    | 12          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# ABRAPARA

TUBO SOLO GOMMA MATERIALI ABRASIVI - SENZA PRESSIONE  
 NR RUBBER TUBING FOR ABRASIVE MATERIALS - NO PRESSURE  
 TUBE EN CAOUTCHOUC NATUREL POUR MATERIAUX ABRASIFS SANS PRESSION  
 ABLAUFSCHLAUCH, FÜR ABRASIVE MATERIALIEN - OHNE DRUCK



| APPLICAZIONE   | APPLICATION   | APPLICATION   | ANWENDUNG   |
|--|---|---|---|
| Scarico senza pressione di silos e tramogge di materiali abrasivi (sabbia, ghiaia, cemento, ecc) | No Pressure discharge hose, for silos and hopper, for abrasive materials as sand, gravel, cement, etc | Tuyau dépotage du silos et trémie pour matériaux abrasifs (sable, ciment, gravier, etc) | Ablaufschlauch, für Silos und Auslauftrichter, für abrasive Materialien wie Sand, Schotter, Zement usw. |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| <b>Para</b> marrone, liscia con durezza Shore A 45   | Brown, smooth <b>NR</b> rubber compound, SHORE A 45,  | Marron, lisse en caoutchouc <b>NR</b> avec une dureté Shore A 45                        | Braun, glatt, <b>NR</b> -Mischung, A 45 Shore   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia ad impressione tela in gomma <b>NR</b> con durezza SHORE A 45                       | Black, smooth cloth impression <b>NR</b> rubber compound, SHORE A 45                                  | <b>NR</b> noir, lisse grain toile, avec une dureté SHORE A 45                           | Schwarz, stoffgemustert, <b>NR</b> , A 45 Shore   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F  | -40°C +70°C   | -40°C +70°C   |

| ID  |          | OD  |          | WEIGHT | COIL LENGTH |
|-----|----------|-----|----------|--------|-------------|
| mm  | inch     | mm  | inch     | kg/m   | m           |
| 80  | 3 5/32   | 90  | 3 17/32  | 1,45   | 5/20        |
| 90  | 3 17/32  | 100 | 3 15/16  | 1,63   | 5/20        |
| 102 | 4        | 112 | 4 13/32  | 1,83   | 5/20        |
| 110 | 4 5/16   | 120 | 4 23/32  | 1,97   | 5/20        |
| 120 | 4 23/32  | 130 | 5 1/8    | 2,14   | 5/20        |
| 127 | 5        | 137 | 5 25/64  | 2,26   | 5/20        |
| 130 | 5 1/8    | 140 | 5 33/64  | 2,31   | 5/20        |
| 140 | 5 33/64  | 150 | 5 29/32  | 2,48   | 5/20        |
| 152 | 6        | 162 | 6 3/8    | 2,69   | 5/20        |
| 160 | 6 19/64  | 170 | 6 11/16  | 2,82   | 5/20        |
| 168 | 6 39/64  | 178 | 7        | 2,96   | 5/20        |
| 180 | 7 3/32   | 190 | 7 31/64  | 3,17   | 5/20        |
| 190 | 7 31/64  | 200 | 7 7/8    | 3,34   | 5/20        |
| 203 | 8        | 213 | 8 25/64  | 3,56   | 5/20        |
| 220 | 8 21/32  | 230 | 9 1/16   | 3,85   | 5/20        |
| 254 | 10       | 264 | 10 25/64 | 4,45   | 5/20        |
| 273 | 10 3/4   | 283 | 11 9/64  | 4,76   | 5/20        |
| 280 | 11 1/32  | 290 | 11 27/64 | 4,88   | 5/20        |
| 305 | 12       | 315 | 12 13/32 | 5,31   | 5/20        |
| 320 | 12 19/32 | 330 | 12 63/64 | 5,56   | 5/20        |
| 350 | 13 25/32 | 360 | 14 11/64 | 6,10   | 5/20        |
| 400 | 15 3/4   | 410 | 16 9/64  | 7,00   | 5/13        |
| 450 | 17 23/32 | 460 | 18 7/64  | 7,79   | 5/13        |
| 450 | 17 23/32 | 470 | 18 1/2   | 15,74  | 5/13        |
| 500 | 19 11/16 | 510 | 20 3/32  | 8,64   | 5/13        |
| 500 | 19 11/16 | 520 | 20 15/32 | 17,46  | 5/13        |
| 600 | 23 5/8   | 610 | 24 1/64  | 10,35  | 5           |





# ASPIMOKE

TUBO UNIVERSALE PER ASPIRAZIONE ARIA, FUMI E TRUCCIOLE. COPERTURA ONDOLATA  
 MULTIPURPOSE SUCTION HOSE, AIR, SMOKES, WOODEN CHIPS, CORRUGATED COVER  
 TUYAU MULTI-USAGE POUR AIR, FUMÉES COPEAUX DE BOIS, REVETEMENT ONDULÉ  
 UNIVERSAL-ABSAUGSCHLAUCH, FÜR LUFT, RAUCH, SÄGESPÄNE ETC. DECKE GEWELLT



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Aspirazione universale, aria, fumi, trucioli di legno  | Multipurpose suction hose, air, smokes, wooden chips, etc   | Tuyaux multi-usage, pour air, fumée, copeaux de bois, etc                                   | Universal-Absaugschlauch, für Luft, Rauch, Sägespäne usw.                                  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>SBR/NR</b> molto sottile e leggero  | Black, smooth <b>SBR/NR</b> rubber compound, very thin and light                                  | Noir, lisse en caoutchouc <b>SBR/NR</b> très mince et léger                                 | Schwarz, glatt, sehr dünn und leicht, <b>SBR/NR</b> -Mischung                              |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques                              | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale              |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, ondulata, ad impressione tela in gomma <b>SBR/NR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, corrugated, cloth impression <b>SBR/NR</b> rubber compound, abrasion and weather resistant | <b>SBR/NR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, gewellt, <b>SBR/NR</b> -Mischung, Abrieb- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +90°C  | -40°F +194°F  | -40°C +90°C   | -40°C +90°C  |

| ID   |         | OD  |         | WEIGHT | VACUUM | COIL LENGTH |
|------|---------|-----|---------|--------|--------|-------------|
| mm   | inch    | mm  | inch    | kg/m   | bar    | m           |
| 32   | 1 1/4   | 36  | 1 27/64 | 0,38   | 0,9    | 40          |
| 38   | 1 1/2   | 42  | 1 21/32 | 0,44   | 0,9    | 40          |
| 40   | 1 9/16  | 44  | 1 23/32 | 0,46   | 0,9    | 40          |
| 45   | 1 25/32 | 49  | 1 15/16 | 0,52   | 0,9    | 40          |
| 51   | 2       | 55  | 2 5/32  | 0,58   | 0,9    | 40          |
| 60   | 2 3/8   | 64  | 2 17/32 | 0,68   | 0,9    | 40          |
| 63,5 | 2 1/2   | 68  | 2 45/64 | 0,74   | 0,9    | 40          |
| 70   | 2 3/4   | 74  | 2 29/32 | 0,81   | 0,9    | 40          |
| 76   | 3       | 80  | 3 5/32  | 0,88   | 0,9    | 40          |
| 80   | 3 5/32  | 84  | 3 5/16  | 0,93   | 0,9    | 40          |
| 90   | 3 17/32 | 94  | 3 11/16 | 1,04   | 0,9    | 40          |
| 102  | 4       | 106 | 4 3/16  | 1,37   | 0,9    | 40          |
| 110  | 4 11/32 | 115 | 4 33/64 | 1,40   | 0,9    | 40          |
| 120  | 4 23/32 | 125 | 4 29/32 | 1,43   | 0,7    | 40          |
| 127  | 5       | 132 | 5 13/64 | 1,50   | 0,7    | 40          |
| 152  | 6       | 157 | 6 3/16  | 1,68   | 0,4    | 40          |
| 180  | 7 3/32  | 185 | 7 9/32  | 2,35   | 0,25   | 40          |
| 203  | 8       | 208 | 8 3/16  | 2,50   | 0,15   | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# ASPICIPS

TUBO UNIVERSALE PER ASPIRAZIONE ARIA, FUMI E TRUCCIOLE. COPERTURA ONDOLATA  
 MULTIPURPOSE SUCTION HOSE, AIR, SMOKES, WOODEN CHIPS, CORRUGATED COVER  
 TUYAU MULTI-USAGE POUR AIR, FUMÉES COPEAUX DE BOIS, REVETEMENT ONDULE  
 UNIVERSAL-ABSAUGSCHLAUCH, FÜR LUFT, RAUCH, SÄGESPÄNE ETC. DECKE GEWELLT



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Aspirazione universale, aria, fumi, trucioli di legno  | Multipurpose suction hose, air, smokes, wooden chips, etc   | Tuyaux multi-usage, pour air, fumée, copeaux de bois, etc                                   | Universal-Abzugschlauch, für Luft, Rauch, Sägespäne usw. für industriellen Einsatz         |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>SBR/NR</b>  | Black, smooth <b>SBR/NR</b> rubber compound   | Noir, lisse en caoutchouc <b>SBR/NR</b>   | Schwarz, glatt, <b>SBR/NR</b> -Mischung  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques                              | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale              |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, ondulata, ad impressione tela in gomma <b>SBR/NR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, corrugated, cloth impression <b>SBR/NR</b> rubber compound, abrasion and weather resistant | <b>SBR/NR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques | Schwarz, stoffgemustert, gewellt, <b>SBR/NR</b> -Mischung, Abrieb- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -30°C +90°C  | -22°F +194°F  | -30°C +90°C   | -30°C +90°C  |

| 🔧 ID |         | 🔧 OD |          | ⚖️ WEIGHT | 🌀 VACUUM | 📏 COIL LENGTH |
|------|---------|------|----------|-----------|----------|---------------|
| mm   | inch    | mm   | inch     | kg/m      | bar      | m             |
| 30   | 1 3/16  | 36   | 1 13/32  | 0,53      | 0,9      | 40            |
| 38   | 1 1/2   | 44   | 1 23/32  | 0,67      | 0,9      | 40            |
| 40   | 1 9/16  | 46   | 1 138/16 | 0,71      | 0,9      | 40            |
| 51   | 2       | 57   | 2 9/32   | 0,87      | 0,9      | 40            |
| 60   | 2 3/8   | 66   | 2 19/32  | 1,05      | 0,9      | 40            |
| 63,5 | 2 1/2   | 70   | 2 3/4    | 1,10      | 0,9      | 40            |
| 70   | 2 3/4   | 77   | 3 1/32   | 1,21      | 0,9      | 40            |
| 76   | 3       | 83   | 3 9/32   | 1,31      | 0,9      | 40            |
| 80   | 3 5/32  | 87   | 3 7/16   | 1,38      | 0,9      | 40            |
| 90   | 3 17/32 | 97   | 3 13/16  | 1,71      | 0,9      | 40            |
| 102  | 4       | 110  | 4 11/32  | 1,90      | 0,9      | 40            |
| 110  | 4 11/32 | 118  | 4 21/32  | 2,05      | 0,9      | 40            |
| 120  | 4 23/32 | 128  | 5 1/32   | 2,24      | 0,8      | 40            |
| 127  | 5       | 135  | 5 5/16   | 2,80      | 0,7      | 40            |
| 152  | 6       | 162  | 6 3/8    | 3,52      | 0,4      | 40            |
| 203  | 8       | 213  | 8 3/8    | 4,70      | 0,2      | 40            |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ASPICIPS**

ITALY



tubi gomma torino



# INSUTEX CAVI/TV

TUBO PROTEZIONE CAVI ELETTRICI E TORCE DI SALDATURA  
 RUBBER SLEEVE FOR ELECTRICAL CABLE PROTECTION AND WELDING TORCES  
 FOURREAU EN CAOUTCHOUC POUR LA PROTECTION DU CABLE ELECTRIQUES ET DES TORCHES DE SOUDURE  
 GUMMI-SCHUTZSCHLAUCH ZUM SCHUTZ VON ELEKTROKABELN UND SCHWEIßSCHLÄUCHE



| APPLICAZIONE  | APPLICATION  | APPLICATION  | ANWENDUNG  |
|---|--|--|--|
| Guaina rinforzata per protezione cavi elettrici e torce di saldatura (isolamento elettrico > 5,000 V)       | Textile reinforced rubber sleeve for electrical cable protection and welding torches (elect. Ins. > 5,000 V) | Fourreau en caoutchouc renforcé pour la protection du cable électriques et les torches de soudure (isolement électrique > 5,000 V) | Gummi-Schutzschlauch mit Textileinlagen, zum Schutz von Elektrokabeln und Schweißschläuchen (elektr. Widerstand > 5,000 V) |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Tessuto sintetico gommato   | Rubberized textile reinforcement   | Nappe syntétique caoutchouté   | Gummibeschichtetes Textilgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, cloth impression <b>SBR</b> rubber compound, abrasion and weather resistant                   | <b>SBR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques   | Schwarz, stoffgemustert, <b>SBR</b> , Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -30°C +80°C   | -22°C +176C  | -30°C +80°C  | -30°C +80°C  |

| ID |         | OD |         | WEIGHT | COIL LENGTH |
|----|---------|----|---------|--------|-------------|
| mm | inch    | mm | inch    | kg/m   | m           |
| 19 | 3/4     | 22 | 7/8     | 0,13   | 40          |
| 22 | 7/8     | 25 | 1       | 0,16   | 40          |
| 25 | 1       | 28 | 1 7/64  | 0,17   | 40          |
| 28 | 1 7/64  | 31 | 1 7/32  | 0,18   | 40          |
| 30 | 1 3/16  | 33 | 1 5/16  | 0,20   | 40          |
| 32 | 1 1/4   | 35 | 1 3/8   | 0,22   | 40          |
| 35 | 1 3/8   | 38 | 1 1/2   | 0,26   | 40          |
| 38 | 1 1/2   | 41 | 1 5/8   | 0,28   | 40          |
| 40 | 1 9/16  | 43 | 1 11/16 | 0,30   | 40          |
| 42 | 1 21/32 | 45 | 1 49/64 | 0,31   | 40          |
| 45 | 1 25/32 | 48 | 1 57/64 | 0,33   | 40          |
| 51 | 2       | 54 | 2 1/8   | 0,36   | 40          |



# RODFLEX

TUBO ASPIRAZIONE SPAZZATRICI STRADALI | SUCTION HOSE FOR STREET SWEEPERS  
TUYAU ASPIRATION POUR BALAYEUSES ROUTIERES | SAUGSCHLAUCH FÜR STRAßENREINIGUNG FÄHRZEUGE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|---|--|---|
| Aspirazione prodotti granulari e polveri molto abrasivi, molto flessibile. Viene principalmente impiegato su macchine per pulizie industriali e spazzatrici stradali | Suction hose for highly abrasive granulates and powders. Thanks to its great flexibility is the perfect choice for street sweepers and industrial cleaning machines | Aspiration du granule et poudre abrasif, très souple. Employé pour balayeurs routiers et industrielles | Saugschlauch in hochAbriebfester Qualität, für Granulate und Staub, hohe Flexibilität, speziell für Straßenreiniger-Fahrzeuge und industrielle Bodenreinigungsmaschinen |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, ondulato in gomma <b>SBR/NR</b>  | Black, corrugated <b>SBR/NR</b> rubber compound   | Noir, ondulé en caoutchouc <b>SBR/NR</b>   | Schwarz, gewellt, <b>SBR/NR</b> -Mischung   |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, ondulata, ad impressione tela in gomma <b>SBR/NR</b> , resistente all'abrasione ed agli agenti atmosferici   | Black, corrugated, cloth impression <b>SBR/NR</b> rubber compound, abrasion and weather resistant   | <b>SBR/NR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques            | Schwarz, stoffgemustert, gewellt, <b>SBR/NR</b> -Mischung, Abrieb- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +70°C  | -40°F +158°F  | -40°C +70°C  | -40°C +70°C   |

| ID  |         | WEIGHT | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|---------|--------|----------------|--------|-------------|
| mm  | inch    | kg/m   | mm             | bar    | m           |
| 102 | 4       | 2,02   | 400            | 0,7    | ON DEMAND   |
| 127 | 5       | 2,50   | 500            | 0,7    | ON DEMAND   |
| 130 | 5 1/8   | 2,60   | 520            | 0,7    | ON DEMAND   |
| 152 | 6       | 3,60   | 600            | 0,6    | ON DEMAND   |
| 203 | 8       | 5,57   | 800            | 0,6    | ON DEMAND   |
| 220 | 8 21/32 | 6,11   | 880            | 0,6    | ON DEMAND   |
| 254 | 10      | 6,92   | 1000           | 0,5    | ON DEMAND   |
| 280 | 11 1/32 | 7,73   | 1120           | 0,5    | ON DEMAND   |
| 305 | 12      | 8,26   | 1200           | 0,3    | ON DEMAND   |



# RODPAT

TUBO ASPIRAZIONE SPAZZATRICI STRADALI. COMPRIMIBILE | SUCTION HOSE FOR STREET SWEEPERS, COMPRESSIBLE  
 TUYAU ASPIRATION POUR BALAYEUSES ROUTIERES - COMPRESSIBLE  
 SAUGSCHLAUCH FÜR STRABENREINUNG FAHRZEUGE STAUCHBAR



| APPLICAZIONE  | APPLICATION  | APPLICATION   | ANWENDUNG  |
|---|--|---|--|
| Aspirazione prodotti granulari e polveri molto abrasivi, molto flessibile e comprimibile. Viene principalmente impiegato su macchine per pulizie industriali e spazzatrici stradali | Suction hose for highly abrasive granulates and powders. Further to the exceptional flexibility, it is also very compressible and ideal for unaligned manifolds. Used mostly on street sweepers and industrial cleaning machines | Aspiration du granule et poudre abrasif. En plus de la grande souplesse, il est également très compressible. Employé pour balayeurs routiers et industrielles | Saugschlauch in hochabriebfester Qualität, für Granulate und Staub, hohe Flexibilität, stauchbar, speziell für Straßenreiner und industrielle Bodenreiner, einsetzbar ohne zusätzliche Ansaugdüsen |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, ondulato in gomma <b>SBR/NR</b>   | Black, corrugated <b>SBR/NR</b> rubber compound  | Noir, ondulé en caoutchouc <b>SBR/NR</b>  | Schwarz, gewellt, <b>SBR/NR</b> -Mischung  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, ondulata, ad impressione tela in gomma <b>SBR/NR</b> , resistente all'abrasione ed agli agenti atmosferici  | Black, corrugated, cloth impression <b>SBR/NR</b> rubber compound, abrasion and weather resistant  | <b>SBR/NR</b> noir, lisse, grain toile, résistant à l'abrasion et aux agents atmosphériques   | Schwarz, stoffgemustert, gewellt, <b>SBR/NR</b> -Mischung, Abrieb- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +70°C   | -40°F +158°F   | -40°C +70°C   | -40°C +70°C  |

| ID  |         | WEIGHT | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|---------|--------|----------------|--------|-------------|
| mm  | inch    | kg/m   | mm             | bar    | m           |
| 102 | 4       | 2,02   | 350            | 0,7    | ON DEMAND   |
| 127 | 5       | 2,50   | 438            | 0,7    | ON DEMAND   |
| 152 | 6       | 3,60   | 525            | 0,7    | ON DEMAND   |
| 203 | 8       | 5,57   | 700            | 0,6    | ON DEMAND   |
| 220 | 8 21/32 | 6,11   | 770            | 0,6    | ON DEMAND   |
| 254 | 10      | 6,92   | 850            | 0,5    | ON DEMAND   |
| 280 | 11 1/32 | 7,73   | 980            | 0,5    | ON DEMAND   |
| 305 | 12      | 8,26   | 1050           | 0,3    | ON DEMAND   |



# **ECO**

ASPIRAZIONE GAS DI SCARICO | GAS EXTRACTION  
EXTRACTION DES GAZ | SAUGGAS SCHLÄUCHE



|                       | DESCRIZIONE   | DESCRIPTION   | DESCRIPTION   | ANWENDUNG   | page |
|-----------------------|---|---|---|---|------|
| <b>ECOSTAR /170°C</b> | TUBO ASPIRAZIONE GAS DI SCARICO ANTISCHIACCIAMENTO - SPIRALE POLIAMMIDE | SUCTION HOSE EXHAUST GASES CRUSH RESISTANT- POLYAMMIDE SPIRAL | TUYAU POUR ASPIRATION GAZ D'ECHAPPEMENT RESISTANT A L'ECRASEMENT- SPIRALE EN POLYAMMIDE | ABGASSCHLAUCH FÜR PKW - LKW WERKSTÄTTEN - ÜBERFAHRBAR -POLYAMID SPIRALE | 70   |
| <b>ECOSTEL /170°C</b> | TUBO ASPIRAZIONE GAS DI SCARICO -SPIRALE ACCIAIO                        | SUCTION HOSE EXHAUST GASES -STEEL SPIRAL                      | TUYAU POUR ASPIRATION GAZ D'ECHAPPEMENT AVEC SPIRAL EN ACIER                            | ABGASSCHLAUCH FÜR PKW - LKW WERKSTÄTTEN - STAHLDRRAHT SPIRALE           | 71   |
| <b>ECOMAXI /500°C</b> | TUBO ASPIRAZIONE GAS DI SCARICO PER ALTISSIME TEMPERATURE               | SUCTION HOSE EXHAUST GASES FOR VERY HIGH TEMPERATURE          | TUYAU POUR ASPIRATION GAZ D'ECHAPPEMENT AVEC TEMPERATURES ELEVEES                       | ABGASSCHLAUCH FÜR HOHEN TEMPERATUREBEREICH                              | 72   |
| <b>ECOGAS</b>         | TUBO ASPIRAZIONE GAS DI SCARICO - GRECCATO, ANTISCHIACCIAMENTO          | SUCTION HOSE EXHAUST GASES- HELIX GROOVED, CRUSH RESISTANT    | TUYAU POUR ASPIRATION GAZ D'ECHAPPEMENT ONDULATION CARRE - RESISTANT A L'ECRASEMENT     | ABGASSCHLAUCH - GEWELLT - ÜBERFAHRBAR                                   | 73   |



# ECOSTAR /170°C

TUBO ASPIRAZIONE GAS DI SCARICO ANTISCHIACCIAMENTO - SPIRALE POLIAMMIDE  
 SUCTION HOSE EXHAUST GASSES CRUSH RESISTANT- POLYAMMIDE SPIRAL  
 TUYAU POUR ASPIRATION GAZ D'ÉCHAPPEMENT RESISTANT A L'ÉCRASEMENT- SPIRALE EN POLYAMMIDE  
 ABGASSCHLAUCH FÜR PKW - LKW WERKSTÄTTEN - ÜBERFAHRBAR -POLYAMID SPIRALE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|--|---|--|--|
| Aspirazione gas di scarico autoveicoli ed altri gas caldi. Struttura leggera antisciacchiamento, impiegato su pavimento, arrotolatori, canaline sospese in tutti i garages, carrozzerie, centri di collaudo, ecc | Suction hose for vehicles exhaust gasses and other warm gasses. Light and crush resistant stucture, used on floors, winders, suspended guides, in all garages, coach works, test centers, etc | Tuyau pour aspiration gaz d'échappement des vehicules et autres gaz chauds. Structure légère, résistant a l'ecrasement, usé sur le plancher, sur l'enruteurs, accroché sur les treillis métalliques dans les garages, carrosseries, centres d'essay. | Abgas-Saugschlauch, in leichter und knickfester Ausführung, für Bodeneinsatz, aufrollbar, zum Einsatz in Werkstätten, Reperaturbetrieben und Testzentren |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Nero, tessuto gommato da entrambe i lati in <b>EPDM</b>  | Rubber coated fabric with black <b>EPDM</b>   | Tissu caoutchouté avec <b>EPDM</b> noir  | Schwarz, gummibeschichtetes <b>EPDM</b> -Gewebe  |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Spirale in poliammide gommata <b>EPDM</b>  | Polyamide <b>EPDM</b> rubber coated spiral. Many colors available   | Spiral en polyamide caoutchoutée avec <b>EPDM</b> noir ou rouge, ou bleu ou jaune.   | <b>EPDM</b> -beschichtetes Textilgewebe mit eingearbeiteter Polyamid-Spirale, in verschiedenen Farben lieferbar  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +170°C   | -40°F +338°F  | -40°C +170°C   | -40°C +170°C   |

| ID   |         | WEIGHT | BENDING RADIUS | COIL LENGTH |
|------|---------|--------|----------------|-------------|
| mm   | inch    | kg/m   | mm             | m           |
| 51   | 2       | 0,54   | 70             | 10/20/40    |
| 63,5 | 2 1/2   | 0,58   | 80             | 10/20/40    |
| 76   | 3       | 0,83   | 95             | 10/20/40    |
| 80   | 3 5/32  | 0,87   | 100            | 10/20/40    |
| 90   | 3 17/32 | 0,93   | 105            | 10/20/40    |
| 102  | 4       | 0,98   | 110            | 10/20/40    |
| 127  | 5       | 1,30   | 130            | 10/20/40    |
| 152  | 6       | 1,58   | 140            | 10/20/40    |
| 203  | 8       | 2,08   | 185            | 10/20/40    |





# ECOSTEL /170°C

TUBO ASPIRAZIONE GAS DI SCARICO - SPIRALE ACCIAIO  
 SUCTION HOSE EXHAUST GASSES - STEEL SPIRAL  
 TUYAU POUR ASPIRATION GAZ D'ÉCHAPPEMENT AVEC SPIRAL EN ACIER  
 ABGASSCHLAUCH FÜR PKW - LKW WERKSTÄTTEN - STAHLDRAHT SPIRALE



| APPLICAZIONE  | APPLICATION   | APPLICATION  | ANWENDUNG  |
|---|---|--|--|
| Aspirazione gas di scarico autoveicoli ed altri gas caldi. Struttura leggera, impiegato su arrotolatori e canaline sospese in tutti i garages, carrozzerie, centri di collaudo, ecc | Suction hose for vehicles exhaust gasses and other warm gasses. Light but strong stucture, used on winders and suspended guides, in all garages, coach works, test centers, etc | Tuyau pour aspiration gaz d'échappement des vehicules et autres gaz chauds. Structure légère mais très resistant, usé sur les enrumeurs, accroché sur les treillis metallique dans les garages, carrosseries, centres d'essay. | Abgas-Saugschlauch, in leichter und sprapazierfähiger Ausführung, für Bodeneinsatz, aufrollbar, zum Einsatz in Werkstätten, Reperaturbetrieben und Testzentren |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Nero, tessuto gommato da entrambe i lati in <b>EPDM</b>   | Rubber coated fabric with black <b>EPDM</b>   | Tissu caoutchouté avec <b>EPDM</b> noir  | Schwarz, gummibeschichtetes <b>EPDM</b> -Gewebe  |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Spirale in acciaio gommata <b>EPDM</b>  | Steel <b>EPDM</b> rubber coated spiral. Many colors available   | Spiral en acier caoutchouté avec <b>EPDM</b> noir ou rouge, ou bleu ou jaune.  | <b>EPDM</b> -beschichtetes Textilgewebe mit eingearbeiteter Stahldraht-Spirale, in verschiedenen Farben lieferbar  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +170°C  | -40°F +338°F  | -40°C +170°C   | -40°C +170°C   |

| ID  |      | WEIGHT | BENDING RADIUS | COIL LENGTH |
|-----|------|--------|----------------|-------------|
| mm  | inch | kg/m   | mm             | m           |
| 51  | 2    | 0,60   | 70             | 10/20/40    |
| 76  | 3    | 1,05   | 95             | 10/20/40    |
| 102 | 4    | 1,40   | 110            | 10/20/40    |
| 127 | 5    | 1,60   | 130            | 10/20/40    |
| 152 | 6    | 2,10   | 140            | 10/20/40    |
| 203 | 8    | 2,40   | 185            | 10/20/40    |



# ECOMAXI /500°C

TUBO ASPIRAZIONE GAS DI SCARICO PER ALTISSIME TEMPERATURE  
 SUCTION HOSE EXHAUST GASSES FOR VERY HIGH TEMPERATURE  
 TUYAU POUR ASPIRATION GAZ D'ÉCHAPPEMENT AVEC TEMPERATURES ÉLEVÉES  
 ABGASSCHLAUCH FÜR HOHEN TEMPERATUREBEREICH



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|--|---|---|
| Aspirazione gas di scarico autoveicoli ed altri gas caldi. Impiegato su arrotolatori e canaline sospese in tutti i garage, carrozzerie, centri di collaudo, ecc | Suction hose for vehicles exhaust gasses and other warm gasses. used on winders and suspended guides, in all garages, coach works, test centers, etc | Tuyau pour aspiration gaz d'échappement des vehicules et autres gaz très chauds. Structure légère mais très résistant, usé sur les enrôleurs, accroché sur les treillis métallique dans les garages, carrosseries, centres d'essay. | Abgas-Saugschlauch, für Bodeneinsatz, aufrollbar, zum Einsatz in Werkstätten, Reparaturbetrieben und Testzentren  |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Grigio, liscio in tessuti di fibra di vetro alluminizzati   | Gray, smooth aluminized glassfiber cloth   | Noir, lisse en caoutchouc <b>EPDM</b>   | Grau, glatt aluminisierte Glasfaser textileinlage   |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Grigia, tessuti in Kevlar con spirale d'acciaio sovrapposta, ricoperta da nastro di protezione cucito. Estremità provviste di manicotti lisci, senza spirale    | Grey, made by kevlar cloth, with an external steel spiral kept in place by a sewed ribbon. Smooth end cuff at both ends                              | Grise, nappes en Kevlar avec spirale d'acier exterieure, couverte par ruban de protection cousu. Extrémités avec manchons lisses, sans spirale.   | Grau, Textileinlagen aus Kevlar mit übereinanderliegender Stahlspirale, aus einem genähten Schutzband abgedeckt. Beiderseiten mit glatten Muffen, ohne Spirale. |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -85°C +500°C  | -121°F +932°F  | -85°C +500°C  | -85°C +500°C  |

| ID  |      | WEIGHT |  | BENDING RADIUS |  | COIL LENGTH  |  |
|-----|------|--------|--|----------------|--|--------------|--|
| mm  | inch | kg/m   |  | mm             |  | m            |  |
| 102 | 4    | 1,20   |  | 135            |  | 2,5/5/7,5/10 |  |
| 127 | 5    | 1,40   |  | 175            |  | 2,5/5/7,5/10 |  |
| 152 | 6    | 1,60   |  | 220            |  | 2,5/5/7,5/10 |  |
| 203 | 8    | 2,10   |  | 270            |  | 2,5/5/7,5/10 |  |
| 254 | 10   | 2,55   |  | 320            |  | 2,5/5/7,5/10 |  |



# ECOGAS

TUBO ASPIRAZIONE GAS DI SCARICO - GRECATO, ANTISCHIACCIAMENTO  
 SUCTION HOSE EXHAUST GASSES- HELIX GROOVED, CRUSH RESISTANT  
 TUYAU POUR ASPIRATION GAZ D'ÉCHAPPEMENT ONDULATION CARRE - RESISTANT A L'ÉCRASEMENT  
 ABGASSCHLAUCH - GEWELT - ÜBERFAHRBAR



| APPLICAZIONE   | APPLICATION   | APPLICATION  | ANWENDUNG  |
|--|---|--|--|
| Aspirazione gas di scarico autoveicoli ed altri gas caldi. Struttura pesante ed antisciacchiamento, impiegato su pavimento in tutti i garage, carrozzerie, centri di collaudo, ecc | Suction hose for vehicles exhaust gasses and other warm gasses. Heavy and crush resistant stucture, used on the floors of the garages, coach works, test centers, etc | Tuyau pour aspiration gaz d'échappement des vehicules et autres gaz chauds. Structure lourde, resistant a l'ecrasement, usé sur le plancher dans les garages, carrosseries, centres d'essay. | Abgas-Saugschlauch, in schwerer und rückstellbarer Ausführung, für erschwerte Bedingungen, für Bodeneinsatz in Werkstätten, Reparaturbetrieben und Testzentren, zum Anschluss an Absaug-Systemen |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth <b>EPDM</b> rubber compound   | Noir, lisse en caoutchouc <b>EPDM</b>  | Schwarz, glatt, in <b>EPDM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with polyamide spirals  | Nappes synthétiques très résistantes avec spirales en polyamide.   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Polyamid-Spirale   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, grecata, ad impressione tela in gomma <b>EPDM</b> , resistente al calore, all'abrasione ed agli agenti atmosferici   | Black, helix grooved, cloth impression <b>EPDM</b> rubber compound, heat, abrasion and weather resistant  | <b>EPDM</b> noir, ondulation carrée, grain toile, résistant à la température, l'abrasion et aux agents atmosphériques  | Schwarz, stoffgemustert, gewellt, <b>EPDM</b> , Abrieb-, temperatur- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +170°C   | -40°F +338°F  | -40°C +170°C   | -40°C +170°C   |





| ID  |      | OD  |         | WEIGHT | BENDING RADIUS | COIL LENGTH |
|-----|------|-----|---------|--------|----------------|-------------|
| mm  | inch | mm  | inch    | kg/m   | mm             | m           |
| 51  | 2    | 59  | 2 5/16  | 1,00   | 300            | 20/40       |
| 76  | 3    | 84  | 3 5/16  | 1,55   | 450            | 20/40       |
| 102 | 4    | 110 | 4 11/32 | 2,20   | 600            | 20/40       |
| 127 | 5    | 135 | 5 5/16  | 2,70   | 750            | 20/40       |
| 152 | 6    | 161 | 6 11/32 | 3,10   | 900            | 20/40       |



# **CHEMI**

PRODOTTI CHIMICI | CHEMICALS  
PRODUITS CHIMIQUES | CHEMISCHE PRODUKTE



|                                    |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION |  ANWENDUNG | page |
|------------------------------------|---|---|---|---|------|
| <b>CHEMIGEN /10</b>                | TUBO MANDATA PRODOTTI CHIMICI IN EPDM   | EPDM DELIVERY HOSE FOR CHEMICAL PRODUCTS  | TUYAU EN EPDM POUR REFOULEMENT PRODUITS CHIMIQUES   | DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS EPDM GUMMI  | 76   |
| <b>CHEMIGEN D /16 - EN 12115</b>   | TUBO MANDATA PRODOTTI CHIMICI IN EPDM - EN 12115  | EPDM DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115   | TUYAU EN EPDM POUR REFOULEMENT PRODUITS CHIMIQUES - EN 12115                                  | DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS EPDM GUMMI - EN 12115                                     | 77   |
| <b>CHEMIDUT SD /16 - EN 12115</b>  | TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN EPDM - EN 12115                                | EPDM SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115                               | TUYAU EN EPDM POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES - EN 12115                    | SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS EPDM GUMMI - EN 12115                           | 78   |
| <b>CHEMIGREN SD /16 - EN 12115</b> | TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN UHMWPE - EN 12115                              | UHMWPE SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115                             | TUYAU EN UHMWPE POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES - EN 12115                  | SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS UHMWPE - EN 12115                               | 79   |
| <b>CHEMISTAR SD /16 - EN 12115</b> | TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN FEP - EN 12115                                 | FEP SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115                                | TUYAU EN FEP POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES - EN 12115                     | SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS FEP - EN 12115                                  | 80   |
| <b>CHEMIREX /10</b>                | TUBO MANDATA PRODOTTI CHIMICI IN FKM  | FKM DELIVERY HOSE FOR CHEMICAL PRODUCTS   | TUYAU EN FKM POUR REFOULEMENT PRODUITS CHIMIQUES  | DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS FKM GUMMI   | 81   |
| <b>CHEMITON SD /10</b>             | TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN FKM  | FKM SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS   | TUYAU EN FKM POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES                                | SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS FKM GUMMI                                       | 82   |
| <b>CHEMISPRASD /10</b>             | TUBO ASPIRAZIONE E MANDATA ACQUE CONTAMINATE E AZOTO  | SUCTION AND DELIVERY HOSE FOR CONTAMINATED WATER AND NITROGEN                                 | TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU CONTAMINE ET AZOTE                                 | SAUG- UND DRUCKSCHLAUCH FUR VERUNREINIGTES WASSER UND STICKSTOFF                              | 83   |



# CHEMIGEN /10

TUBO MANDATA PRODOTTI CHIMICI IN EPDM | EPDM DELIVERY HOSE FOR CHEMICAL PRODUCTS  
TUYAU EN EPDM POUR REFOULEMENT PRODUITS CHIMIQUES | DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS EPDM GUMMI



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata prodotti chimici. Adatto a passaggio di acque industriali in impianti di depurazione. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo | Delivery hose for chemical products. Suitable for industrial water and water treatment plants. For further information, please check the chemical resistance table at the end of the catalog | Tuyau pour refoulement de produits chimiques. Approprié pour passage de l'eau industrielle et pour les stations de purification de l'eau. Pour ultérieur renseignements, s'il vous plait, veuillez consulter le tableau des résistances chimiques a la fin du catalogue. | Druckschlauch, zum Chemie-medien, einsetzbar für Industrierwasser und Wasseraufbereitungsanlagen, siehe auch Beständigkeitsliste am Katalogende |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b> antistatica  | Black, smooth, <b>EPDM</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>EPDM</b>  | Schwarz, glatt, antistatisch, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, antistatica, ad impressione tela in gomma <b>EPDM</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici   | Black, smooth, antistatic cloth impression <b>EPDM</b> rubber compound, resistant to chemical products, ozone and weathering   | <b>EPDM</b> noir, lisse, antistatique grain toile, résistant aux produits chimiques, à l'ozone et aux agents atmosphériques  | Schwarz, glatt, antistatisch, stoffgemustert, <b>EPDM</b> , beständig gegen chem. Produkte, Ozon- und Witterungsbeständig                       |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +100°C   | -40°F +212°F   | -40°C +100°C   | -40°C +100°C  |

| 🔧 ID |         | 🔧 OD |         | ⚖️ WEIGHT | 🌡️ WP |     | 🌡️ BP |     | 📏 COIL LENGTH |
|------|---------|------|---------|-----------|-------|-----|-------|-----|---------------|
| mm   | inch    | mm   | inch    | kg/m      | bar   | psi | bar   | psi | m             |
| 13   | 1/2     | 23   | 29/32   | 0,38      | 10    | 150 | 30    | 450 | 40            |
| 19   | 3/4     | 29   | 9/64    | 0,44      | 10    | 150 | 30    | 450 | 40/60         |
| 20   | 25/32   | 30   | 1 3/16  | 0,46      | 10    | 150 | 30    | 450 | 40/60         |
| 25   | 1       | 35   | 1 3/8   | 0,55      | 10    | 150 | 30    | 450 | 40/60         |
| 30   | 1 3/16  | 42   | 1 21/32 | 0,85      | 10    | 150 | 30    | 450 | 40/60         |
| 32   | 1 1/4   | 44   | 1 47/64 | 0,88      | 10    | 150 | 30    | 450 | 40/60         |
| 35   | 1 3/8   | 47   | 1 55/64 | 1,05      | 10    | 150 | 30    | 450 | 40/60         |
| 38   | 1 1/2   | 52   | 2 3/64  | 1,21      | 10    | 150 | 30    | 450 | 40/60         |
| 40   | 1 9/16  | 55   | 2 11/64 | 1,41      | 10    | 150 | 30    | 450 | 40/60         |
| 51   | 2       | 66   | 2 39/64 | 1,81      | 10    | 150 | 30    | 450 | 40/60         |
| 60   | 2 23/64 | 76   | 3       | 2,08      | 10    | 150 | 30    | 450 | 40/60         |
| 80   | 3 5/32  | 96   | 3 25/32 | 2,77      | 10    | 150 | 30    | 450 | 40/60         |
| 102  | 4       | 118  | 4 21/32 | 3,60      | 10    | 150 | 30    | 450 | 40/60         |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CHEMIGEN****D W.P. 10 BAR**

ITALY



tubi gomma torino



# CHEMIGEN D /16 - EN 12115

TUBO MANDATA PRODOTTI CHIMICI IN EPDM - EN 12115  
 EPDM DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115  
 TUYAU EN EPDM POUR REFOULEMENT PRODUITS CHIMIQUES - EN 12115  
 DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS EPDM GUMMI - EN 12115



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Mandata prodotti chimici aggressivi secondo la norma EN 12115. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo                  | Delivery hose for aggressive chemical products as per EN 12115 specification. For deeper information, please check the chemical resistance table at the end of the catalog | Tuyau pour refolement de chimiques agressifs selon la norme EN 12115. Pour ulterieurs renseignements, s'il vous plait, veuillez consulter le tableau des resistances chimiques à la fin du catalogue. | Chemie-Schlauch, zum Durchleiten von aggressiven Medien, für Produkte nach EN 12115, siehe auch Beständigkeitsliste am Katalogende                                    |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b> antistatica  | Black, smooth, <b>EPDM</b> antistatic rubber compound  | Noir, lisse, antistatique en caoutchouc <b>EPDM</b>   | Schwarz, glatt, antistatisch, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità e 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies and 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes et 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe und 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m), ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering        | <b>CR</b> noir, lisse, résistant au feu et antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant aux produits chimiques, a l'ozone et aux agents atmosphériques                               | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| EN 12115   | EN 12115   | EN 12115  | EN 12115  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +100°C   | -40°F +212°F   | -40°C +100°C  | -40°C +100°C  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,60   | 16  | 240 | 64  | 960 | 125            | 40/61       |
| 25   | 1     | 37  | 1 29/64 | 0,80   | 16  | 240 | 64  | 960 | 150            | 40/61       |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,00   | 16  | 240 | 64  | 960 | 175            | 40/61       |
| 38   | 1 1/2 | 51  | 2       | 1,25   | 16  | 240 | 64  | 960 | 225            | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 2,00   | 16  | 240 | 64  | 960 | 275            | 40/61       |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,40   | 16  | 240 | 64  | 960 | 300            | 40/61       |
| 76   | 3     | 92  | 3 5/8   | 2,80   | 16  | 240 | 64  | 960 | 350            | 40/61       |
| 102  | 4     | 118 | 4 41/64 | 3,80   | 12  | 180 | 48  | 720 | 450            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

EN12115
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I.D.
W.P.
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Q/Y
ITALY

 tubi gomma torino



# CHEMIDUT SD /16 - EN 12115

TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN EPDM - EN 12115  
 EPDM SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115  
 TUYAU EN EPDM POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES - EN 12115  
 SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS EPDM GUMMI - EN 12115



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|---|---|---|
| Aspirazione e mandata prodotti chimici aggressivi secondo la norma EN 12115. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo.   | Suction and delivery hose for aggressive chemical products as per EN 12115 specification. For further information, please check the chemical resistance table at the end of the catalog | Tuyau pour aspiration et refoulement de chimiques agressifs selon la norme EN 12115. Pour ulterieur renseignements, s'il vous plait, veuillez consulter le tableau des resistances chimiques à la fin du catalogue. | Chemie-Saug- und Druckschlauch, zum Durchleiten von aggressiven Medien, für Produkte nach EN 12115, siehe auch Beständigkeitsliste am Katalogende                     |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>EPDM</b> antistatica  | Black, smooth, <b>EPDM</b> antistatic rubber compound   | Noir, lisse, antistatique en caoutchouc <b>EPDM</b>   | Schwarz, glatt, antistatisch, in <b>EPDM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m), ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering                     | <b>CR</b> noir, lisse, résistant au feu et antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant aux produits chimiques, a l'ozone et aux agents atmosphériques   | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN  |
| EN 12115   | EN 12115  | EN 12115  | EN 12115  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +100°C   | -40°F +212°F  | -40°C +100°C  | -40°C +100°C  |

| ID   | OD    | WEIGHT | WP      | BP   | BENDING RADIUS | VACUUM | COIL LENGTH |     |     |     |       |
|------|-------|--------|---------|------|----------------|--------|-------------|-----|-----|-----|-------|
| mm   | inch  | mm     | inch    | kg/m | bar            | psi    | bar         | psi | mm  | bar | m     |
| 19   | 3/4   | 31     | 1 7/32  | 0,70 | 16             | 240    | 64          | 960 | 125 | 0,9 | 40/61 |
| 25   | 1     | 37     | 1 29/64 | 0,92 | 16             | 240    | 64          | 960 | 150 | 0,9 | 40/61 |
| 32   | 1 1/4 | 44     | 1 47/64 | 1,09 | 16             | 240    | 64          | 960 | 175 | 0,9 | 40/61 |
| 38   | 1 1/2 | 51     | 2       | 1,35 | 16             | 240    | 64          | 960 | 225 | 0,9 | 40/61 |
| 51   | 2     | 67     | 2 41/64 | 1,84 | 16             | 240    | 64          | 960 | 275 | 0,9 | 40/61 |
| 63,5 | 2 1/2 | 80     | 3 5/32  | 2,54 | 16             | 240    | 64          | 960 | 300 | 0,9 | 40/61 |
| 76   | 3     | 92     | 3 5/8   | 3,20 | 16             | 240    | 64          | 960 | 350 | 0,9 | 40/61 |
| 102  | 4     | 118    | 4 41/64 | 4,43 | 12             | 180    | 48          | 720 | 450 | 0,8 | 40/61 |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CHEMIDUT** **EN12115** **EDPM** **SD** **I.D.** **W.P.** **Ω** **Q/Y** **ITALY** **tubi gomma torino**





# CHEMIGREN SD /16 - EN 12115

TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN UHMWPE - EN 12115  
 UHMWPE SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115  
 TUYAU EN UHMWPE POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES - EN 12115  
 SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS UHMWPE - EN 12115



| APPLICAZIONE   | APPLICATION  | APPLICATION  | ANWENDUNG   |
|--|--|--|---|
| Aspirazione e mandata prodotti chimici, petroliferi ed alimentari secondo la norma EN 12115. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo. Il sottostrato è a norma <b>FDA</b> | Suction and delivery hose for chemicals, petroleum and food stuffs as per EN 12115 specification. For further information, please check the chemical resistance table at the end of the catalog. The hose liner is <b>FDA</b> approved | Tuyau pour aspiration et refoulement de chimiques, pétrole et produits alimentaires selon la norme EN 12115. Pour ultérieurs renseignements, s'il vous plaît, veuillez consulter le tableau des résistances chimiques à la fin du catalogue. La couche intérieure du tuyau est certifié <b>FDA</b> | Chemie-Saug- und Druckschlauch, für erweiterte Anwendung, auch für Petroleum sowie Lebensmittelprodukte nach EN 12115, <b>FDA</b> zugelassen, siehe auch Beständigkeitsliste am Katalogende |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Traslucido, liscio, in <b>UHMWPE</b> (polietilene ad alto peso molecolare), non conduttivo (fornibile a richiesta nero conduttivo)   | Translucent, non conductive <b>UHMWPE</b> (can be supplied also in black conductive version)   | Translucide, <b>UHMWPE</b> (polyéthylène à haut poids moléculaire), pas conductive (disponible sur demande aussi noir conductive)  | Transparent, nicht-leitend <b>UHMWPE</b> (auch in schwarz, leitfähig, lieferbar)  |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m), ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici   | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering  | <b>CR</b> noir, lisse, résistant au feu et antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant aux produits chimiques, à l'ozone et aux agents atmosphériques  | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig                       |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| EN 12115 + FDA   | EN 12115 + FDA   | EN 12115 + FDA   | EN 12115 + FDA  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -20°C +100°C   | -4°F +212°F  | -20°C +100°C   | -20°C +100°C  |

| ID   |       | OD  |         | WEIGHT |     | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm  | bar            | m      |             |
| 19   | 3/4   | 31  | 1 7/32  | 0,71   | 16  | 240 | 64  | 960 | 125 | 0,9            | 40/61  |             |
| 25   | 1     | 37  | 1 29/64 | 0,87   | 16  | 240 | 64  | 960 | 150 | 0,9            | 40/61  |             |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,07   | 16  | 240 | 64  | 960 | 175 | 0,9            | 40/61  |             |
| 38   | 1 1/2 | 51  | 2       | 1,35   | 16  | 240 | 64  | 960 | 225 | 0,9            | 40/61  |             |
| 51   | 2     | 67  | 2 41/64 | 2,29   | 16  | 240 | 64  | 960 | 275 | 0,9            | 40/61  |             |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,51   | 16  | 240 | 64  | 960 | 300 | 0,9            | 40/61  |             |
| 76   | 3     | 92  | 3 5/8   | 3,08   | 16  | 240 | 64  | 960 | 350 | 0,9            | 40/61  |             |
| 102  | 4     | 118 | 4 41/64 | 4,51   | 12  | 180 | 48  | 720 | 450 | 0,8            | 40/61  |             |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# CHEMISTAR SD /16 - EN 12115

TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN FEP - EN 12115  
 FEP SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS - EN 12115  
 TUYAU EN FEP POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES - EN 12115  
 SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS FEP - EN 12115



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Aspirazione e mandata prodotti chimici, petroliferi ed alimentari secondo la norma EN 12115. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo. Il sottostrato è a norma <b>FDA</b> | Suction and delivery hose for chemicals, petroleum and food stuffs as per EN 12115 specification. For further information, please check the chemical resistance table at the end of the catalog. The hose liner is <b>FDA</b> approved | Tuyau pour aspiration et refoulement de chimiques, pétrole et produits alimentaires selon la norme EN 12115. Pour ultérieurs renseignements, s'il vous plaît, veuillez consulter le tableau des résistances chimiques à la fin du catalogue. La couche intérieure du tuyau est certifiée <b>FDA</b> | Chemie-Saug- und Druckschlauch, für erweiterte Anwendung, auch für Petroleum sowie Lebensmittelprodukte nach EN 12115, <b>FDA</b> zugelassen, siehe auch Beständigkeitsliste am Katalogende |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio, lucido, in <b>FEP</b> (Etilen propilene fluorinato), non conduttivo  | White, glossy, non conductive <b>FEP</b> (Fluorinated ethylene propylene)  | Blanche, poli, <b>FEP</b> (éthylène-propylène fluoré), pas conductive   | Weiß, glänzend, nicht-leitend <b>FEP</b> (Fluorinated Ethylene Propylene)   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m), ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici   | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering  | <b>CR</b> noir, lisse, résistant au feu et antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant aux produits chimiques, à l'ozone et aux agents atmosphériques   | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig                       |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| EN 12115 + FDA   | EN 12115 + FDA   | EN 12115 + FDA  | EN 12115 + FDA  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -50°C +170°C   | -58°F +338°F   | -50°C +170°C  | -50°C +170°C  |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19 | 3/4   | 31 | 1 7/32  | 0,47   | 16  | 240 | 64  | 960 | 125            | 0,9    | 40/61       |
| 25 | 1     | 37 | 1 29/64 | 0,58   | 16  | 240 | 64  | 960 | 150            | 0,9    | 40/61       |
| 32 | 1 1/4 | 44 | 1 47/64 | 0,70   | 16  | 240 | 64  | 960 | 175            | 0,9    | 40/61       |
| 38 | 1 1/2 | 51 | 2       | 0,80   | 16  | 240 | 64  | 960 | 225            | 0,9    | 40/61       |
| 51 | 2     | 67 | 2 41/64 | 1,13   | 16  | 240 | 64  | 960 | 275            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CHEMISTAR**

EN12115

FEP

SD

I.D

W.P.

M

Q/Y

ITALY



tubi gomma torino



# CHEMIREX /10

TUBO MANDATA PRODOTTI CHIMICI IN FKM | FKM DELIVERY HOSE FOR CHEMICAL PRODUCTS  
 TUYAU EN FKM POUR REFOULEMENT PRODUITS CHIMIQUES | DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS FKM GUMMI



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Mandata prodotti chimici aggressivi, acidi a concentrazione elevata. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo. | Delivery hose for aggressive chemical products, acids at high concentration. For further information, please check the chemical resistance table at the end of the catalog. | Tuyau pour refoulement de chimiques agressifs et acides avec concentration élevée. Pour ultérieurs renseignements, s'il vous plait, veuillez consulter le tableau du resistances chimiques a la fin du catalogue. | Chemie-Schlauch, zum Durchleiten von chem. Produkten in hoher Konzentration, zum Einsatz in der Chemie- und Petroleum-Industrie, siehe auch Beständigkeitsliste am Katalogende |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>FKM</b>   | Black, smooth, <b>FKM</b> rubber compound   | Noir, lisse, en caoutchouc <b>FKM</b>   | Schwarz, glatt, <b>FKM</b> -Qualität   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'olio, all'ozono ed agli agenti atmosferici                                | Black, smooth, cloth impression <b>CR</b> rubber compound, resistant to chemical products, oils, ozone and weathering   | <b>CR</b> noir, lisse, grain toile, résistant aux produits chimiques, a l'huile, à l'ozone et aux agents atmosphériques   | Schwarz, stoffgemustert, <b>CR</b> -Qualität, beständig gegen chem. Produkte, Öl, Ozon- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -35°C +100°C   | -31°F +212°F  | -35°C +100°C  | -35°C +100°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 6  | 1/4    | 16 | 5/8     | 0,27   | 10  | 150 | 40  | 600 | 40          |
| 8  | 5/16   | 18 | 23/32   | 0,32   | 10  | 150 | 40  | 600 | 40          |
| 10 | 3/8    | 20 | 25/32   | 0,38   | 10  | 150 | 40  | 600 | 40          |
| 13 | 1/2    | 23 | 29/32   | 0,45   | 10  | 150 | 40  | 600 | 40          |
| 16 | 5/8    | 26 | 1 1/32  | 0,53   | 10  | 150 | 40  | 600 | 40          |
| 19 | 3/4    | 29 | 1 5/32  | 0,60   | 10  | 150 | 40  | 600 | 40          |
| 20 | 25/32  | 30 | 1 3/16  | 0,63   | 10  | 150 | 40  | 600 | 40          |
| 25 | 1      | 35 | 1 3/8   | 0,75   | 10  | 150 | 40  | 600 | 40          |
| 30 | 1 3/16 | 42 | 1 21/32 | 1,07   | 10  | 150 | 40  | 600 | 40          |
| 32 | 1 1/4  | 44 | 1 47/64 | 1,15   | 10  | 150 | 40  | 600 | 40          |
| 35 | 1 3/8  | 47 | 1 27/32 | 1,25   | 10  | 150 | 40  | 600 | 40          |
| 38 | 1 1/2  | 50 | 1 31/32 | 1,33   | 10  | 150 | 40  | 600 | 40          |
| 40 | 1 9/16 | 54 | 2 1/8   | 1,65   | 10  | 150 | 40  | 600 | 40          |
| 51 | 2      | 65 | 2 9/16  | 2,10   | 10  | 150 | 40  | 600 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



# CHEMITON SD /10

TUBO ASPIRAZIONE E MANDATA PRODOTTI CHIMICI IN FKM  
 FKM SUCTION AND DELIVERY HOSE FOR CHEMICAL PRODUCTS  
 TUYAU EN FKM POUR ASPIRATION ET REFOULEMENT PRODUITS CHIMIQUES  
 SAUG- UND DRUCKSCHLAUCH ZUM CHEMIE-MEDIEN AUS FKM GUMMI



| APPLICAZIONE   | APPLICATION   | APPLICATION  | ANWENDUNG   |
|--|---|--|---|
| Aspirazione e mandata prodotti chimici aggressivi, acidi a concentrazione elevata. Per maggiori informazioni consultare la tabella delle resistenze chimiche in fondo al catalogo. | Suction & delivery hose for aggressive chemical products, acids at high concentration. For further information, please check the chemical resistance table at the end of the catalog. | Tuyau pour aspiration et refoulement de chimiques agressifs et acides avec concentration élevée. Pour ultérieurs renseignements, s'il vous plait, veuillez consulter le tableau des resistances chimiques a la fin du catalogue. | Chemie-Saug- und Druckschlauch, zum Durchleiten von chem. Produkten in hoher Konzentration, zum Einsatz in der Chemie- und Petroleum-Industrie, siehe auch Beständigkeitsliste am Katalogende |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>FKM</b>   | Black, smooth, <b>FKM</b> rubber compound   | Noir, lisse, en caoutchouc <b>FKM</b>  | Schwarz, glatt, <b>FKM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'olio, all'ozono ed agli agenti atmosferici  | Black, smooth, cloth impression <b>CR</b> rubber compound, resistant to chemical products, oils, ozone and weathering   | <b>CR</b> noir, lisse, grain toile, résistant aux produits chimiques, a l'huile, à l'ozone et aux agents atmosphériques  | Schwarz, stoffgemustert, <b>CR</b> -Qualität, beständig gegen chem. Produkte, Öl, Ozon- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -35°C +100°C   | -31°F +212°F  | -35°C +100°C   | -35°C +100°C  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,74   | 10  | 150 | 40  | 600 | 125            | 0,9    | 40          |
| 25   | 1     | 37  | 1 29/64 | 0,96   | 10  | 150 | 40  | 600 | 150            | 0,9    | 40          |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,25   | 10  | 150 | 40  | 600 | 175            | 0,9    | 40          |
| 38   | 1 1/2 | 51  | 2       | 1,40   | 10  | 150 | 40  | 600 | 225            | 0,9    | 40          |
| 51   | 2     | 67  | 2 41/64 | 2,15   | 10  | 150 | 40  | 600 | 275            | 0,9    | 40          |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,60   | 10  | 150 | 40  | 600 | 300            | 0,9    | 40          |
| 76   | 3     | 92  | 3 5/8   | 3,20   | 10  | 150 | 40  | 600 | 350            | 0,9    | 40          |
| 102  | 4     | 118 | 4 41/64 | 4,60   | 10  | 150 | 40  | 600 | 450            | 0,8    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**CHEMITON**

SD

FKM

W.P 10 BAR

ITALY



tubi gamma torino



# CHEMISPRA SD /10

TUBO ASPIRAZIONE E MANDATA ACQUE CONTAMINATE E AZOTO  
 SUCTION AND DELIVERY HOSE FOR CONTAMINATED WATER AND NITROGEN  
 TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU CONTAMINE ET AZOTE  
 SAUG- UND DRUCKSCHLAUCH FÜR VERUNREINIGTES WASSER UND STICKSTOFF



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|---|--|--|
| Aspirazione e mandata di fluidi refrigeranti a base acquosa nelle centrali nucleari. Ottima resistenza anche con acidi e azoto.           | Suction & delivery hose for water based refrigerant fluids in the nuclear power plants. Excellent resistance also to acids and nitrogen | Tuyau pour aspiration et refoulement de liquides de refroidissement à base d'eau dans les centrales nucléaires. Excellente résistance aux acides et aussi à l'azote. | Saug- und Druckschlauch, für Kühlmittel auf Wasserbasis, zum Einsatz in Kernkraftwerken, exzellente Beständigkeit auch gegen natriumhaltige Flüssigkeiten und Stickstoff |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>EPR</b>  | Black, smooth, <b>EPR</b> rubber compound   | Noir, lisse, en caoutchouc <b>EPR</b>  | Schwarz, glatt, <b>EPR</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione              | High strength synthetic plies, with steel wire spirals and crossing copper wires for hose grounding                                     | Nappes synthétiques très résistantes avec spirales métalliques et 1 fil en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia, antistatica ad impressione tela in gomma <b>EPDM</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, antistatic cloth impression <b>EPDM</b> rubber compound, resistant to chemical products, ozone and weathering            | <b>EPDM</b> noir, lisse, antistatique grain toile, résistant aux produits chimiques, à l'ozone et aux agents atmosphériques  | Schwarz, stoffgemustert, antistatisch, <b>EPDM</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -30°C +110°C picchi 140°C   | -22°F +230°F peaks 284°F  | -30°C +110°C pointes 140°C   | -30°C +110°C bergspitze von der Temperatur 140°C   |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19  | 3/4  | 29  | 1 5/32  | 0,55   | 10  | 150 | 30  | 450 | 115            | 0,9    | 60          |
| 25  | 1    | 35  | 1 3/8   | 0,77   | 10  | 150 | 30  | 450 | 150            | 0,9    | 60          |
| 51  | 2    | 65  | 2 9/16  | 1,82   | 10  | 150 | 30  | 450 | 270            | 0,9    | 60          |
| 76  | 3    | 88  | 3 15/32 | 2,85   | 10  | 150 | 30  | 450 | 460            | 0,9    | 60          |
| 102 | 4    | 118 | 4 9/16  | 4,00   | 10  | 150 | 30  | 450 | 600            | 0,9    | 60          |
| 152 | 6    | 170 | 6 11/16 | 10,00  | 10  | 150 | 30  | 450 | 900            | 0,9    | 60          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**CHEMISPRA**

SD

W.P. 10 BAR

ACID AND WATER

N<sub>2</sub>

ITALY



tubi gomma torino



# **PETRO**

OLI MINERALI, CARBURANTI | MINERAL OILS, FUELS  
HUILES MINERALES, CARBURANTS | MINERALÖL, KRAFTSTOFF



|   | DESCRIZIONE  | DESCRIPTION  | DESCRIPTION   | ANWENDUNG   | page |
|---|--|--|---|---|------|
| <b>PETROCAR 10 L/L</b>                  | TUBO MANDATA CARBURANTI ED OLI MINERALI LONG LENGTH                              | FUEL AND MINERAL OIL DELIVERY HOSE - LONG LENGTH               | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS- LONG LENGTH                      | DRUCKSCHLAUCH FÜR MINERALÖLPRODUKTEN  | 86   |
| <b>PETROCAR 20 L/L</b>                  | TUBO MANDATA CARBURANTI ED OLI MINERALI LONG LENGTH                              | FUEL AND MINERAL OIL DELIVERY HOSE - LONG LENGTH               | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - LONG LENGTH                     | DRUCKSCHLAUCH FÜR MINERALÖLPRODUKTEN  | 87   |
| <b>PETROSIX SAE 100R6 L/L</b>           | TUBO MANDATA FLUIDI IDRAULICI SAE 100R6 LONG LENGTH                              | HYDRAULIC OIL DELIVERY HOSE SAE 100R6- LONG LENGTH             | TUYAU POUR REFOULEMENT DES FLUIDES HYDRAULIQUES SAE 100R6 - LONG LENGTH                     | DRUCKSCHLAUCH FÜR MINERALÖLPRODUKTEN SAE 100 R6                                 | 88   |
| <b>PETROCORD /10</b>                    | TUBO MANDATA CARBURANTI ED OLI MINERALI  | FUEL AND MINERAL OIL DELIVERY HOSE                             | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS                                   | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN                           | 89   |
| <b>PETROCORD D /16 EN 12115</b>         | TUBO MANDATA CARBURANTI ED OLI MINERALI -EN 12115                                | FUEL AND MINERAL OIL DELIVERY HOSE - EN 12115                  | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - EN12115                         | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 12115                  | 90   |
| <b>PETROCORD D /16 EN 1360 Type 1</b>   | TUBO MANDATA CARBURANTI ED OLI MINERALI -EN 1360 TIPO 1                          | FUEL AND MINERAL OIL DELIVERY HOSE -EN 1360 TYPE 1             | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - EN 1360 TYPE 1                  | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1360 TYPE 1            | 91   |
| <b>PETROCORD D /16 EN 1761 Type D</b>   | TUBO MANDATA CARBURANTI ED OLI MINERALI -EN 1761 TIPO D                          | FUEL AND MINERAL OIL DELIVERY HOSE -EN 1761 TYPE D             | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - EN 1761 TYPE D                  | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1761 TYPE D            | 92   |
| <b>PETROSPIR SD /10</b>                 | TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI                            | FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE                 | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS                     | SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN                 | 93   |
| <b>PETROSPIR SD /16 EN 12115</b>        | TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI EN 12115                   | FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE EN 12115        | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS EN 12115            | SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 12115        | 94   |
| <b>PETROSPIR SD /16 EN 1360 Type 2</b>  | TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI EN 1360 TIPO 2             | FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE EN 1360 TYPE 2  | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS EN 1360 TYPE 2      | SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1360 TYPE 2  | 95   |
| <b>PETROSPIR SD /16 EN 1761 Type SD</b> | TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI EN 1761 TIPO SD            | FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE EN 1761 TYPE SD | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS EN 1761 TYPE SD     | SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1761 TYPE SD | 96   |
| <b>PETROFOR SD /10 R4</b>               | TUBO ASPIRAZIONE E MANDATA OLI IDRAULICI   | HYDRAULIC OIL SUCTION AND DELIVERY HOSE                        | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES HYDRAULIQUES                                | SAUG- UND DRUCKSCHLAUCH FÜR HYDRAULIKÖL   | 97   |
| <b>PETROFOR SD SAE 100 R4</b>           | TUBO ASPIRAZIONE E MANDATA OLI IDRAULICI. SAE 100 R4                             | HYDRAULIC OIL SUCTION AND DELIVERY HOSE. SAE 100 R4            | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES HYDRAULIQUES. SAE 100 R4                    | SAUG- UND DRUCKSCHLAUCH FÜR HYDRAULIKÖL. SAE 100 R4                             | 98   |
| <b>PETROSTAR /18</b>                    | TUBO MANDATA CARBURANTI ED OLI MINERALI PER ASPI                                 | FUEL AND MINERAL OIL DELIVERY HOSE FOR TANK REELS              | TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS POUR ENROULEURS                   | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN ZUM SCHLAUCHROLLEN        | 99   |
| <b>PETROFLEX SD /10</b>                 | TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI - COPERTURA GRECATA        | FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE, HELIX GROOVED  | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS - ONDULATION CARRÉE | SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN - DECKE GERIEFT | 100  |
| <b>PETROPLUS SD /5</b>                  | TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI, COPERTURA ONDULATA        | FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE, CORRUGATED     | TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS - REVETEMENT ONDULE | SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN - DECKE GEWELLT | 101  |
| <b>PETROCRAFT D /20 EN1825 TYPE B</b>   | TUBO MANDATA RIFORNIMENTO A TERRA DEGLI AEROMOBILI - EN1825 TIPO B               | DELIVERY HOSE AIRCRAFT GROUND REFUELLING EN1825 TYPE B         | TUYAU POUR REFOULEMENT DES AVIONS A TERRE - EN1825 TYPE B                                   | DRUCKSCHLAUCH ZUM FLUGZEUGBETANKUNG AM BODEN - EN1825 TYPE B                    | 102  |
| <b>PETROCRAFT D /20 EN1825 TYPE C</b>   | TUBO MANDATA RIFORNIMENTO A TERRA DEGLI AEROMOBILI - EN1825 TIPO C               | DELIVERY HOSE AIRCRAFT GROUND REFUELLING EN1825 TYPE C         | TUYAU POUR REFOULEMENT DES AVIONS A TERRE - EN1825 TYPE C                                   | DRUCKSCHLAUCH ZUM FLUGZEUGBETANKUNG AM BODEN - EN1825 TYPE C                    | 103  |
| <b>PETROCRAFT SD /20 EN1825 TYPE E</b>  | TUBO ASPIRAZIONE E MANDATA RIFORNIMENTO A TERRA DEGLI AEROMOBILI - EN1825 TIPO E | SUCTION AND DELIVERY AIRCRAFT GROUND REFUELLING EN1825 TYPE E  | TUYAU POUR REFOULEMENT DES AVIONS A TERRE - EN1825 TYPE E                                   | DRUCKSCHLAUCH ZUM FLUGZEUGBETANKUNG AM BODEN - EN1825 TYPE E                    | 104  |
| <b>PETROFLON SD /10</b>                 | TUBO ASPIRAZIONE E MANDATA ASFALTO LIQUIDO                                       | SUCTION AND DELIVERY HOSE FOR HOT TAR                          | TUYAU POUR ASPIRATION ET REFOULEMENT D' ASPHALTE CHAUD                                      | SAUG- UND DRUCKSCHLAUCH FÜR BITUM - HOCHTEMPERATURBESTÄNDIG                     | 105  |
| <b>PETROFLON SD /15</b>                 | TUBO ASPIRAZIONE E MANDATA ASFALTO LIQUIDO                                       | SUCTION AND DELIVERY HOSE FOR HOT TAR                          | TUYAU POUR ASPIRATION ET REFOULEMENT ET ASPHALTE CHAUD                                      | SAUG- UND DRUCKSCHLAUCH FÜR BITUM - HOCHTEMPERATURBESTÄNDIG                     | 106  |
| <b>PETROGAS /25 EN1762 TYPE D</b>       | TUBO MANDATA GPL EN 1762 TIPO D  | DELIVERY HOSE FOR LPG EN 1762 TYPE D                           | TUYAU POUR REFOULEMENT DE GPL - EN 1762 TYPE D  | DRUCKSCHLAUCH FÜR FLÜSSIGGAS EN 1762 TYPE D                                     | 107  |
| <b>PETROGAS /25 EN1762 TYPE SD</b>      | TUBO ASPIRAZIONE E MANDATA GPL EN 1762 TIPO SD                                   | SUCTION AND DELIVERY HOSE FOR LPG EN 1762 TYPE SD              | TUYAU POUR ASPIRATION ET REFOULEMENT DE GPL - EN 1762 TYPE SD                               | SAUG- UND DRUCKSCHLAUCH FÜR FLÜSSIGGAS EN 1762 TYPE SD                          | 108  |



# PETROCAR 10 L/L

TUBO MANDATA CARBURANTI ED OLI MINERALI LONG LENGTH  
 FUEL AND MINERAL OIL DELIVERY HOSE - LONG LENGTH  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS- LONG LENGTH  
 DRUCKSCHLAUCH FÜR MINERALÖLPRODUKTEN



| APPLICAZIONE  | APPLICATION  | APPLICATION  | ANWENDUNG  |
|---|--|--|--|
| Mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%                               | Delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%      | Tuyau pour refoulement des huiles minerales, gasoil et essence avec un pourcentage de produits aromatiques jusqu'à 50% | Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Petroleum, mit Aromatenanteil bis 50% |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b> conduttiva   | Black, smooth, conductive <b>NBR</b> rubber compound   | Noir, lisse, conductive en caoutchouc <b>NBR</b>   | Schwarz, glatt, leitfähig, <b>NBR</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia in gomma <b>NBR/PVC</b> , resistente agli oli, ai carburanti, all'ozono ed agli agenti atmosferici | Black, smooth, <b>NBR/PVC</b> rubber compound, resistant to oils, fuels, ozone and weathering. | <b>NBR/PVC</b> noir, lisse, résistant à l'huile, aux carburants, à l'ozone et aux agents atmosphériques                | Schwarz, glatt, <b>NBR/PVC</b> -Mischung, beständig gegen Öl, Kraftstoffe, Ozon- und Witterungsbeständig         |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -25°C +80°C   | -13°F +176°F   | -25°C +80°C  | -25°C +80°C  |

| ID |       | OD |       | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | COIL LENGTH |
|----|-------|----|-------|--------|-----|-----|-----|-----|----------------|-------------|
| mm | inch  | mm | inch  | kg/m   | bar | psi | bar | psi | mm             | m           |
| 4  | 5/32  | 10 | 3/8   | 0,10   | 10  | 150 | 30  | 450 | 40             | 100         |
| 5  | 3/16  | 12 | 15/32 | 0,12   | 10  | 150 | 30  | 450 | 40             | 100         |
| 6  | 1/4   | 13 | 1/2   | 0,14   | 10  | 150 | 30  | 450 | 50             | 100         |
| 7  | 3/32  | 13 | 1/2   | 0,13   | 10  | 150 | 30  | 450 | 60             | 100         |
| 8  | 5/16  | 15 | 19/32 | 0,17   | 10  | 150 | 30  | 450 | 65             | 100         |
| 10 | 3/8   | 17 | 21/32 | 0,20   | 10  | 150 | 30  | 450 | 80             | 100         |
| 13 | 1/2   | 20 | 25/32 | 0,24   | 10  | 150 | 30  | 450 | 105            | 50          |
| 15 | 19/32 | 23 | 29/32 | 0,32   | 10  | 150 | 30  | 450 | 120            | 50          |
| 19 | 3/4   | 27 | 1 1/8 | 0,39   | 10  | 150 | 30  | 450 | 150            | 50          |
| 25 | 1     | 35 | 1 3/8 | 0,63   | 10  | 150 | 30  | 450 | 200            | 50          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT PETROCAR W.P. 10 BAR ITALY





# PETROCAR 20 L/L

TUBO MANDATA CARBURANTI ED OLI MINERALI LONG LENGTH  
 FUEL AND MINERAL OIL DELIVERY HOSE - LONG LENGTH  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS- LONG LENGTH  
 DRUCKSCHLAUCH FÜR MINERALÖLPRODUKTEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|--|--|--|
| Mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%                               | Delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%      | Tuyau pour refoulement des huiles minerales, gasoil et essence avec un pourcentage de produits aromatiques jusqu'à 50% | Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Petroleum, mit Aromatenanteil bis 50% |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b> conduttiva   | Black, smooth, conductive <b>NBR</b> rubber compound   | Noir, lisse, conductive en caoutchouc <b>NBR</b>   | Schwarz, glatt, leitfähig, <b>NBR</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia in gomma <b>NBR/PVC</b> , resistente agli oli, ai carburanti, all'ozono ed agli agenti atmosferici | Black, smooth, <b>NBR/PVC</b> rubber compound, resistant to oils, fuels, ozone and weathering. | <b>NBR/PVC</b> noir, lisse, résistant à l'huile, aux carburants, à l'ozone et aux agents atmosphériques                | Schwarz, glatt, <b>NBR/PVC</b> -Mischung, beständig gegen Öl, Kraftstoffe, Ozon- und Witterungsbeständig         |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -25°C +80°C   | -13°F +176°F   | -25°C +80°C  | -25°C +80°C  |

| 🔧 ID |      | 🔧 OD |         | ⚖️ WEIGHT | 📊 WP |     | 📊 BP |     | 📐 BENDING RADIUS | 📏 COIL LENGTH |
|------|------|------|---------|-----------|------|-----|------|-----|------------------|---------------|
| mm   | inch | mm   | inch    | kg/m      | bar  | psi | bar  | psi | mm               | m             |
| 5    | 3/16 | 13   | 1/2     | 0,09      | 20   | 300 | 60   | 900 | 40               | 100           |
| 6    | 1/4  | 13   | 1/2     | 0,14      | 20   | 300 | 60   | 900 | 40               | 100           |
| 6    | 1/4  | 14   | 9/16    | 0,15      | 20   | 300 | 60   | 900 | 50               | 100           |
| 8    | 5/16 | 15   | 19/32   | 0,17      | 20   | 300 | 60   | 900 | 60               | 100           |
| 8    | 5/19 | 17   | 21/32   | 0,18      | 20   | 300 | 60   | 900 | 65               | 100           |
| 10   | 3/8  | 17   | 21/32   | 0,20      | 20   | 300 | 60   | 900 | 75               | 100           |
| 10   | 3/8  | 19   | 3/4     | 0,22      | 20   | 300 | 60   | 900 | 80               | 100           |
| 13   | 1/2  | 21   | 53/64   | 0,25      | 20   | 300 | 60   | 900 | 95               | 50            |
| 13   | 1/2  | 23   | 29/32   | 0,27      | 20   | 300 | 60   | 900 | 105              | 50            |
| 16   | 5/8  | 26   | 1 1/32  | 0,35      | 20   | 300 | 60   | 900 | 120              | 50            |
| 19   | 3/4  | 29   | 1 9/64  | 0,40      | 20   | 300 | 60   | 900 | 140              | 50            |
| 19   | 3/4  | 30   | 1 3/16  | 0,42      | 20   | 300 | 60   | 900 | 145              | 50            |
| 25   | 1    | 36   | 1 27/64 | 0,64      | 20   | 300 | 60   | 900 | 200              | 50            |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT PETROCAR W.P. 20 BAR ITALY



# PETROSIX SAE 100R6 L/L

TUBO MANDATA FLUIDI IDRAULICI SAE 100R6 LONG LENGTH  
 HYDRAULIC OIL DELIVERY HOSE SAE 100R6- LONG LENGTH  
 TUYAU POUR REFOULEMENT DES FLUIDES HYDRAULIQUES SAE 100R6 - LONG LENGTH  
 DRUCKSCHLAUCH FÜR MINERALÖLPRODUKTEN SAE 100 R6



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|--|---|--|
| Mandata di oli minerali, oli idraulici, lubrificanti e aria                                      | Delivery hose for mineral oils, hydraulic oils, general lubricants and air             | Tuyau pour refoulement des huiles minerales, huiles hydrauliques, lubrifiants et air    | Druckschlauch, zum Durchleiten von Hydrauliköl, Mineralölprodukten, Schmierstoffen sowie Luft            |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth <b>NBR</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> -Qualität   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>NBR/PVC</b> , resistente agli oli, all'ozono ed agli agenti atmosferici | Black, smooth, <b>NBR/PVC</b> rubber compound, resistant to oils, ozone and weathering | <b>NBR/PVC</b> noir, lisse, résistant à l'huile, à l'ozone et aux agents atmosphériques | Schwarz, glatt, <b>NBR/PVC</b> -Mischung, beständig gegen Öl, Kraftstoffe, Ozon- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN   |
| EN 854 - SAE100 R6   | EN 854 - SAE100 R6   | EN 854 - SAE100 R6  | EN 854 - SAE100R6  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +100°C   | -40°F +212°F   | -40°C +100°C  | -40°C +100°C   |

| ID   |      | OD   |        | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | COIL LENGTH |
|------|------|------|--------|--------|-----|-----|-----|------|----------------|-------------|
| mm   | inch | mm   | inch   | kg/m   | bar | psi | bar | psi  | mm             | m           |
| 4,8  | 3/16 | 11,1 | 7/16   | 0,10   | 35  | 525 | 140 | 2100 | 50             | 100         |
| 6,4  | 1/4  | 12,7 | 1/2    | 0,12   | 28  | 420 | 112 | 1680 | 65             | 100         |
| 7,9  | 5/16 | 14,3 | 9/16   | 0,14   | 28  | 420 | 112 | 1680 | 80             | 100         |
| 9,5  | 3/8  | 15,9 | 5/8    | 0,16   | 28  | 420 | 112 | 1680 | 90             | 100         |
| 12,7 | 1/2  | 19,8 | 25/32  | 0,23   | 28  | 420 | 112 | 1680 | 100            | 100         |
| 15,9 | 5/8  | 23   | 29/32  | 0,27   | 25  | 375 | 100 | 1500 | 125            | 100         |
| 19,0 | 3/4  | 27,5 | 1 5/64 | 0,35   | 21  | 315 | 84  | 1260 | 140            | 100         |
| 25,4 | 1    | 35   | 1 3/8  | 0,55   | 20  | 300 | 80  | 1200 | 170            | 100         |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG  
**TGT PETROSIX EN 854 SAE 100 R6 I.D. Q/Y ITALY**



# PETROCORD /10

TUBO MANDATA CARBURANTI ED OLI MINERALI  
 FUEL AND MINERAL OIL DELIVERY HOSE  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata di carburanti e derivati del petrolio con contenuto aromatico fino al 50%  | Delivery hose for fuels and petroleum derivatives with aromatic contents up to 50%                             | Tuyau pour refoulement des carburants et dérivés du pétrole avec une teneur de produits aromatiques jusqu'à 50%      | Druckschlauch, zum Durchleiten von Kraftstoffen und Petroleumderivaten, mit Aromatenanteil bis 50%                |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth <b>NBR</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporato 1 cord in rame per la messa a terra della tubazione                              | High strength synthetic plies and crossing copper wire for hose grounding                                      | Nappes synthétiques très résistant avec 1 fil en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 1 antistatischen Kupferlitze zur Erdung               |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia ad impressione tela, in gomma <b>NBR/PVC</b> , resistente agli oli, ai carburanti, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b>NBR/PVC</b> rubber compound, resistant to oils, fuels, ozone and weathering | <b>NBR/PVC</b> noir, lisse, grain toile, résistant à l'huile, aux carburants, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, <b>NBR/PVC</b> -Mischung, beständig gegen Öl, Kraftstoffe, Ozon- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +80°C  | -22°F +176°F   | -30°C +80°C  | -30°C +80°C   |

| ID   |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|------|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm   | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19   | 3/4     | 29  | 1 5/32  | 0,55   | 10  | 150 | 30  | 450 | 40/61       |
| 25   | 1       | 35  | 1 3/8   | 0,70   | 10  | 150 | 30  | 450 | 40/61       |
| 28   | 1 3/32  | 38  | 1 1/2   | 0,76   | 10  | 150 | 30  | 450 | 40/61       |
| 30   | 1 3/16  | 40  | 1 9/16  | 0,80   | 10  | 150 | 30  | 450 | 40/61       |
| 32   | 1 1/4   | 42  | 1 21/32 | 0,85   | 10  | 150 | 30  | 450 | 40/61       |
| 35   | 1 3/8   | 45  | 1 3/4   | 0,92   | 10  | 150 | 30  | 450 | 40/61       |
| 38   | 1 1/2   | 48  | 1 7/8   | 0,96   | 10  | 150 | 30  | 450 | 40/61       |
| 40   | 1 9/16  | 51  | 2       | 1,05   | 10  | 150 | 30  | 450 | 40/61       |
| 42   | 1 21/32 | 53  | 2 3/32  | 1,15   | 10  | 150 | 30  | 450 | 40/61       |
| 45   | 1 3/4   | 56  | 2 13/64 | 1,20   | 10  | 150 | 30  | 450 | 40/61       |
| 51   | 2       | 62  | 2 7/16  | 1,35   | 10  | 150 | 30  | 450 | 40/61       |
| 60   | 2 3/8   | 72  | 2 27/32 | 1,70   | 10  | 150 | 30  | 450 | 40/61       |
| 63,5 | 2 1/2   | 75  | 2 61/64 | 1,80   | 10  | 150 | 30  | 450 | 40/61       |
| 76   | 3       | 91  | 3 37/64 | 2,56   | 10  | 150 | 30  | 450 | 40/61       |
| 102  | 4       | 118 | 4 21/32 | 3,60   | 10  | 150 | 30  | 450 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCORD****D W.P. 10 BAR**

ITALY



tubi gomma torino



# PETROCORD D /16 EN 12115

TUBO MANDATA CARBURANTI ED OLI MINERALI - EN 12115  
 FUEL AND MINERAL OIL DELIVERY HOSE - EN 12115  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - EN12115  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 12115



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|---|---|---|
| Mandata di carburanti e derivati del petrolio con contenuto aromatico fino al 50%   | Delivery hose for fuels and petroleum derivatives with aromatic contents up to 50%  | Tuyau pour refoulement des carburants et dérivés du pétrole avec une teneur de produits aromatiques jusqu'à 50%   | Druckschlauch, zum Durchleiten von Kraftstoffen und Petroleumderivaten, mit Aromatenanteil bis 50%  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b>   | Black, smooth <b>NBR1</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR1</b>   | Schwarz, glatt, <b>NBR1</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN  |
| EN 12115 + TrbF   | EN 12115 + TrbF   | EN 12115 + TrbF   | EN 12115 + TrbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +80°C   | -22°F +176°F  | -30°C +80°C   | -30°C +80°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,60   | 16  | 240 | 64  | 960 | 125            | 40/61       |
| 25   | 1     | 37  | 1 29/64 | 0,89   | 16  | 240 | 64  | 960 | 150            | 40/61       |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,00   | 16  | 240 | 64  | 960 | 175            | 40/61       |
| 38   | 1 1/2 | 51  | 2       | 1,35   | 16  | 240 | 64  | 960 | 225            | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 2,00   | 16  | 240 | 64  | 960 | 275            | 40/61       |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,50   | 16  | 240 | 64  | 960 | 300            | 40/61       |
| 76   | 3     | 92  | 3 5/8   | 2,85   | 16  | 240 | 64  | 960 | 350            | 40/61       |
| 102  | 4     | 118 | 4 41/64 | 3,90   | 12  | 180 | 48  | 720 | 450            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCORD** **EN12115** **NBR1** **D** **I.D.** **W.P.** **Ω** **TRbF** **Q/V** **ITALY** **tubi gomma torino**



# PETROCORD D /16 EN 1360 TYPE 1

TUBO MANDATA CARBURANTI ED OLI MINERALI - EN 1360 TIPO 1  
 FUEL AND MINERAL OIL DELIVERY HOSE -EN 1360 TYPE 1  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - EN 1360 TYPE 1  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1360 TYPE 1



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|---|--|---|
| Mandata di carburanti e derivati del petrolio con contenuto aromatico fino al 50%   | Delivery hose for fuels and petroleum derivatives with aromatic contents up to 50%  | Tuyau pour refoulement des carburants et dérivés du pétrole avec une teneur de produits aromatiques jusqu'à 50%                    | Druckschlauch, zum Durchleiten von Kraftstoffen und Petroleumderivaten, mit Aromatenanteil bis 50%  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b>   | Black, smooth <b>NBR1</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR1</b>  | Schwarz, glatt, <b>NBR1</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec 2 fils en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique, grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN  |
| EN 1360 TYPE 1 + TRbF   | EN 1360 TYPE 1 + TRbF   | EN 1360 TYPE 1 + TRbF  | EN 1360 TYPE 1 + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C  | -30°C +70°C   |

| ID |        | OD |        | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | COIL LENGTH |
|----|--------|----|--------|--------|-----|-----|-----|-----|----------------|-------------|
| mm | inch   | mm | inch   | kg/m   | bar | psi | bar | psi | mm             | m           |
| 13 | 1/2    | 22 | 7/8    | 0,34   | 16  | 240 | 48  | 720 | 60             | 40/61       |
| 16 | 5/8    | 26 | 1 1/32 | 0,48   | 16  | 240 | 48  | 720 | 80             | 40/61       |
| 19 | 3/4    | 30 | 1 3/16 | 0,53   | 16  | 240 | 48  | 720 | 100            | 40/61       |
| 25 | 1      | 38 | 1 1/2  | 0,74   | 16  | 240 | 48  | 720 | 150            | 40/61       |
| 32 | 1 1/4  | 45 | 1 3/4  | 1,10   | 16  | 240 | 48  | 720 | 175            | 40/61       |
| 35 | 1 3/8  | 48 | 1 7/8  | 1,19   | 16  | 240 | 48  | 720 | 195            | 40/61       |
| 38 | 1 1/2  | 51 | 2      | 1,24   | 16  | 240 | 48  | 720 | 225            | 40/61       |
| 40 | 1 9/16 | 54 | 2 1/8  | 1,30   | 16  | 240 | 48  | 720 | 230            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCORD** EN1360:2005 TYPE 1 M D I.D. W.P. 16 BAR TRbF ITALY tubi gomma torino



# PETROCORD D /16 EN 1761 TYPE D

TUBO MANDATA CARBURANTI ED OLI MINERALI - EN 1761 TIPO D  
 FUEL AND MINERAL OIL DELIVERY HOSE - EN 1761 TYPE D  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS - EN 1761 TYPE D  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1761 TYPE D



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|---|--|---|
| Mandata di carburanti e derivati del petrolio con contenuto aromatico fino al 50%   | Delivery hose for fuels and petroleum derivatives with aromatic contents up to 50%  | Tuyau pour refolement des carburants et dérivés du pétrole avec une teneur de produits aromatiques jusqu'à 50%                     | Druckschlauch, zum Durchleiten von Kraftstoffen und Petroleumderivaten, mit Aromatenanteil bis 50%  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b>   | Black, smooth <b>NBR1</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR1</b>  | Schwarz, glatt, <b>NBR1</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec 2 fils en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique, grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN  |
| EN 1360 TYPE D + TRbF   | EN 1360 TYPE D + TRbF   | EN 1360 TYPE D + TRbF  | EN 1360 TYPE D + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C  | -30°C +70°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,63   | 16  | 240 | 48  | 720 | 125            | 40/61       |
| 25   | 1     | 37  | 1 29/64 | 0,73   | 16  | 240 | 48  | 720 | 150            | 40/61       |
| 32   | 1 1/4 | 44  | 1 47/64 | 0,94   | 16  | 240 | 48  | 720 | 175            | 40/61       |
| 38   | 1 1/2 | 51  | 2       | 1,19   | 16  | 240 | 48  | 720 | 225            | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 2,00   | 16  | 240 | 48  | 720 | 275            | 40/61       |
| 63,5 | 2 1/2 | 79  | 3 1/8   | 2,24   | 16  | 240 | 48  | 720 | 300            | 40/61       |
| 76   | 3     | 92  | 3 5/8   | 2,73   | 16  | 240 | 48  | 720 | 350            | 40/61       |
| 102  | 4     | 118 | 4 41/64 | 3,70   | 16  | 240 | 48  | 720 | 450            | 40/61       |
| 127  | 5     | 145 | 5 43/64 | 4,82   | 16  | 240 | 48  | 720 | 635            | 40/61       |
| 152  | 6     | 172 | 6 3/4   | 6,14   | 16  | 240 | 48  | 720 | 750            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCORD** EN1761:1998 TYPE D M D I.D. W.P. 16 BAR TRbF ITALY tubi gomma torino



# PETROSPIR SD /10

TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI  
 FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS  
 SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN



| APPLICAZIONE   | APPLICATION  | APPLICATION  | ANWENDUNG   |
|--|--|--|---|
| Aspirazione e mandata di carburanti e derivati del petrolio con contenuto aromatico fino al 50%                                      | Suction and delivery hose for fuels and petroleum derivatives with aromatic contents up to 50%                 | Tuyau pour aspiration et refoulement des carburants et dérivés du pétrole avec un teneur de produits aromatiques jusqu'à 50% | Saug- und Druckschlauch, zum Durchleiten von Kraftstoffen und Petroleumderivaten, mit Aromatenanteil bis 50%              |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth <b>NBR</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate ed 1 cord in rame per la messa a terra della tubazione        | High strength synthetic plies, with steel spirals and 1 copper wire for hose grounding                         | Nappes synthétiques très résistant avec spirales métallique et 1 fil en cuivre de masse                                      | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia ad impressione tela, in gomma <b>NBR/PVC</b> , resistente agli oli, ai carburanti, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b>NBR/PVC</b> rubber compound, resistant to oils, fuels, ozone and weathering | <b>NBR/PVC</b> noir, lisse, grain toile, résistant à l'huile, aux carburants, à l'ozone et aux agents atmosphériques         | Schwarz, stoffgemustert, <b>NBR/PVC</b> -Mischung, beständig gegen Öl, Kraftstoffe, Ozon- und Witterungsbestandig         |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +80°C  | -22°F +176°F   | -30°C +80°C  | -30°C +80°C   |

| ID   |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4     | 29  | 1 5/32  | 0,67   | 10  | 150 | 30  | 450 | 115            | 0,9    | 40/61       |
| 25   | 1       | 35  | 1 3/8   | 0,80   | 10  | 150 | 30  | 450 | 150            | 0,9    | 40/61       |
| 30   | 1 3/16  | 40  | 1 9/16  | 0,92   | 10  | 150 | 30  | 450 | 180            | 0,9    | 40/61       |
| 32   | 1 1/4   | 42  | 1 21/32 | 1,00   | 10  | 150 | 30  | 450 | 190            | 0,9    | 40/61       |
| 35   | 1 3/8   | 46  | 1 13/16 | 1,10   | 10  | 150 | 30  | 450 | 210            | 0,9    | 40/61       |
| 38   | 1 1/2   | 49  | 1 15/16 | 1,24   | 10  | 150 | 30  | 450 | 240            | 0,9    | 40/61       |
| 40   | 1 9/16  | 51  | 2       | 1,30   | 10  | 150 | 30  | 450 | 240            | 0,9    | 40/61       |
| 42   | 1 21/32 | 53  | 2 3/32  | 1,40   | 10  | 150 | 30  | 450 | 255            | 0,9    | 40/61       |
| 45   | 1 25/32 | 56  | 2 13/64 | 1,50   | 10  | 150 | 30  | 450 | 270            | 0,9    | 40/61       |
| 51   | 2       | 62  | 2 7/16  | 1,60   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40/61       |
| 51   | 2       | 63  | 2 31/64 | 1,79   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40/61       |
| 60   | 2 3/8   | 72  | 2 27/32 | 2,06   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40/61       |
| 63,5 | 2 1/2   | 76  | 3       | 2,27   | 10  | 150 | 30  | 450 | 380            | 0,9    | 40/61       |
| 76   | 3       | 89  | 3 1/2   | 2,95   | 10  | 150 | 30  | 450 | 460            | 0,9    | 40/61       |
| 80   | 3 5/32  | 94  | 3 11/16 | 3,20   | 10  | 150 | 30  | 450 | 480            | 0,9    | 40/61       |
| 90   | 3 17/32 | 104 | 4 3/32  | 3,64   | 10  | 150 | 30  | 450 | 540            | 0,9    | 40/61       |
| 102  | 4       | 117 | 4 19/32 | 4,40   | 10  | 150 | 30  | 450 | 600            | 0,9    | 40/61       |
| 120  | 4 23/32 | 135 | 4 5/16  | 4,98   | 10  | 150 | 30  | 450 | 720            | 0,9    | 40/61       |
| 127  | 5       | 143 | 5 5/8   | 6,07   | 10  | 150 | 30  | 450 | 760            | 0,9    | 40/61       |
| 152  | 6       | 170 | 6 11/16 | 7,70   | 10  | 150 | 30  | 450 | 900            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSPIR****SD W.P. 10 BAR**

ITALY



tubi gamma torino



# PETROSPIR SD /16 EN 12115

TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI EN 12115  
 FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE EN 12115  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS EN 12115  
 SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 12115



| APPLICAZIONE  | APPLICATION   | APPLICATION   | ANWENDUNG   |
|---|---|---|---|
| Aspirazione e mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%   | Suction and Delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%   | Tuyau pour aspiration et refoulement des huiles minerales, gasoil et essence avec un teneur de produits aromatiques jusqu'à 50%                             | Saug- und Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Petroleum, mit Aromatenanteil bis 50%  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b>   | Black, smooth <b>NBR1</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR1</b>   | Schwarz, glatt, <b>NBR1</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate ed 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec spirales métallique et 2 fils en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA   | COVER   | RETEVEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN  |
| EN 12115 + TRbF   | EN 12115 + TRbF   | EN 12115 + TRbF   | EN 12115 + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +80°C   | -22°F +176°F  | -30°C +80°C   | -30°C +80°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,70   | 16  | 240 | 64  | 960 | 125            | 0,9    | 40/61       |
| 25   | 1     | 37  | 1 29/64 | 0,90   | 16  | 240 | 64  | 960 | 150            | 0,9    | 40/61       |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,20   | 16  | 240 | 64  | 960 | 175            | 0,9    | 40/61       |
| 38   | 1 1/2 | 51  | 2       | 1,50   | 16  | 240 | 64  | 960 | 225            | 0,9    | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 2,30   | 16  | 240 | 64  | 960 | 275            | 0,9    | 40/61       |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,80   | 16  | 240 | 64  | 960 | 300            | 0,9    | 40/61       |
| 76   | 3     | 92  | 3 5/8   | 3,30   | 16  | 240 | 64  | 960 | 350            | 0,8    | 40/61       |
| 102  | 4     | 118 | 4 41/64 | 4,70   | 12  | 180 | 48  | 720 | 450            | 0,8    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSPIR** **EN12115** **NBR1** **SD** **I.D.** **W.P.** **Ω** **TRbF** **air** **ITALY** **tubi gamma torino**





# PETROSPIR SD /16 EN 1360 TYPE 2

TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI EN 1360 TIPO 2  
 FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE EN 1360 TYPE 2  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS EN 1360 TYPE 2  
 SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1360 TYPE 2



| APPLICAZIONE  | APPLICATION   | APPLICATION  | ANWENDUNG   |
|---|---|--|---|
| Aspirazione e mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%   | Suction and Delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%                                     | Tuyau pour aspiration et refoulement des huiles minerales, gasoil et essence avec un teneur de produits aromatiques jusqu'à 50%    | Saug- und Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Petroleum, mit Aromatenanteil bis 50%                  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>  | Black, smooth <b>NBR</b> rubber compound  | Noir, lisse en caoutchouc <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> -Qualität  |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate ed 2 cord in rame per la messa a terra della tubazione                       | High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec spirales métallique et 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung                  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique, grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN  |
| EN 1360 TYPE 2 + TRbF   | EN 1360 TYPE 2 + TRbF   | EN 1360 TYPE 2 + TRbF  | EN 1360 TYPE 2 + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C  | -30°C +70°C   |

| ID |        | OD |        | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|----|--------|----|--------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm | inch   | mm | inch   | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19 | 3/4    | 30 | 1 3/16 | 0,63   | 16  | 240 | 48  | 720 | 100            | 0,9    | 40/61       |
| 25 | 1      | 38 | 1 1/2  | 0,93   | 16  | 240 | 48  | 720 | 150            | 0,9    | 40/61       |
| 32 | 1 1/4  | 45 | 1 3/4  | 1,18   | 16  | 240 | 48  | 720 | 175            | 0,9    | 40/61       |
| 35 | 1 3/8  | 48 | 1 7/8  | 1,28   | 16  | 240 | 48  | 720 | 190            | 0,9    | 40/61       |
| 38 | 1 1/2  | 51 | 2      | 1,45   | 16  | 240 | 48  | 720 | 225            | 0,9    | 40/61       |
| 40 | 1 9/16 | 54 | 2 1/8  | 1,66   | 16  | 240 | 48  | 720 | 230            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSPIR** EN1360:2005 TYPE 2 M I.D. W.P. 16 BAR TRbF ITALY tubi gamma torino



# PETROSPIR SD /16 EN 1761 TYPE SD

TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI EN 1761 TIPO SD  
 FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE EN 1761 TYPE SD  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS EN 1761 TYPE SD  
 SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN EN 1761 TYPE SD



|   |   |   |   |
|---|---|---|---|
| <b>APPLICAZIONE</b><br>Aspirazione e mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%.   | <b>APPLICATION</b><br>Suction and Delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%.                              | <b>APPLICATION</b><br>Tuyau pour aspiration et refolement des huiles minerales, gasoil et essence avec un teneur de produits aromatiques jusqu'à 50%              | <b>ANWENDUNG</b><br>Saug- und Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Petroleum, mit Aromatenanteil bis 50%              |
| <b>SOTTOSTRATO</b><br>Nero, liscio in gomma <b>NBR</b>  | <b>TUBE</b><br>Black, smooth <b>NBR</b> rubber compound   | <b>TUBE INTERIEUR</b><br>Noir, lisse en caoutchouc <b>NBR</b>   | <b>INNENSEELE</b><br>Schwarz, glatt, <b>NBR</b> -Qualität   |
| <b>RINFORZO</b><br>Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate ed 2 cord in rame per la messa a terra della tubazione                        | <b>REINFORCEMENT</b><br>High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding                                  | <b>ARMATURE</b><br>Nappes synthétiques très résistant avec spirales métallique et 2 fils en cuivre de masse   | <b>EINLAGEN</b><br>Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung               |
| <b>COPERTURA</b><br>Nera, liscia, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | <b>COVER</b><br>Black, smooth, fire proof and antistatic cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>REVETEMENT EXTERIEUR</b><br><b>CR</b> noir, lisse, antistatique, grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | <b>DECKE</b><br>Schwarz, stoffgemustert, selbstverlöschend, antistatisch <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| <b>NORME</b><br>EN 1761 TYPE SD + TRbF  | <b>SPECIFICATIONS</b><br>EN 1761 TYPE SD + TRbF   | <b>NORMES</b><br>EN 1761 TYPE SD + TRbF   | <b>NORMEN</b><br>EN 1761 TYPE SD + TRbF   |
| <b>TEMPERATURA D'ESERCIZIO</b><br>-30°C +70°C   | <b>WORKING TEMPERATURE</b><br>-22°F +158°F  | <b>TEMPERATURE</b><br>-30°C +70°C   | <b>BETRIEBSTEMPERATUR</b><br>-30°C +70°C  |

| ID   | OD    | WEIGHT | WP  | BP  | BENDING RADIUS | VACUUM | COIL LENGTH |  |  |  |  |
|------|-------|--------|-----|-----|----------------|--------|-------------|--|--|--|--|
| mm   | inch  | kg/m   | bar | psi | mm             | bar    | m           |  |  |  |  |
| 19   | 3/4   | 0,67   | 16  | 240 | 125            | 0,9    | 40/61       |  |  |  |  |
| 25   | 1     | 0,81   | 16  | 240 | 150            | 0,9    | 40/61       |  |  |  |  |
| 32   | 1 1/4 | 1,04   | 16  | 240 | 175            | 0,9    | 40/61       |  |  |  |  |
| 38   | 1 1/2 | 1,38   | 16  | 240 | 225            | 0,9    | 40/61       |  |  |  |  |
| 51   | 2     | 2,22   | 16  | 240 | 275            | 0,9    | 40/61       |  |  |  |  |
| 63,5 | 2 1/2 | 2,63   | 16  | 240 | 300            | 0,9    | 40/61       |  |  |  |  |
| 76   | 3     | 3,38   | 16  | 240 | 350            | 0,9    | 40/61       |  |  |  |  |
| 102  | 4     | 4,42   | 16  | 240 | 450            | 0,9    | 40/61       |  |  |  |  |
| 127  | 5     | 5,80   | 16  | 240 | 635            | 0,9    | 40/61       |  |  |  |  |
| 152  | 6     | 8,15   | 16  | 240 | 750            | 0,9    | 40/61       |  |  |  |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSPIR** **EN1761:1998 TYPE SD** **M** **I.D.** **W.P. 16 BAR** **TRbF** **Q/V** **ITALY** **tubi gamma torino**



# PETROFOR SD /10 R4

TUBO ASPIRAZIONE E MANDATA OLI IDRAULICI | HYDRAULIC OIL SUCTION AND DELIVERY HOSE  
TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES HYDRAULIQUES | SAUG- UND DRUCKSCHLAUCH FÜR HYDRAULIKÖL



| APPLICAZIONE   | APPLICATION  | APPLICATION  | ANWENDUNG   |
|--|--|--|---|
| Aspirazione e mandata di oli idraulici   | Suction and delivery hose for hydraulic oils   | Tuyau pour aspiration et refoulement des huiles hydrauliques   | Saug- und Druckschlauch für Hydrauliksysteme  |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b> sintetica</b>  | Black, smooth <b> synthetic</b> rubber compound  | Noir, lisse en caoutchouc <b> synthétique</b>  | Schwarz, glatt, <b> synthetischer</b> Gummi   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                           |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia ad impressione tela, in gomma <b> sintetica</b> , resistente agli oli, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b> synthetic</b> rubber compound, resistant to oils, ozone and weathering | Caoutchouc <b> synthétique</b> noir, lisse, grain toile, résistant à l'huile, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, <b> synthetischer</b> Gummi, beständig gegen Öl, Ozon- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +100°C   | -40°F +212°F   | -40°C +100°C   | -40°C +100°C  |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 13  | 1/2     | 23  | 29/32   | 0,43   | 10  | 150 | 30  | 450 | 78             | 0,9    | 40/61       |
| 16  | 5/8     | 26  | 1 1/32  | 0,55   | 10  | 150 | 30  | 450 | 96             | 0,9    | 40/61       |
| 19  | 3/4     | 29  | 1 5/32  | 0,67   | 10  | 150 | 30  | 450 | 110            | 0,9    | 40/61       |
| 25  | 1       | 35  | 1 3/8   | 0,77   | 10  | 150 | 30  | 450 | 140            | 0,9    | 40/61       |
| 30  | 1 3/16  | 40  | 1 9/16  | 0,91   | 10  | 150 | 30  | 450 | 170            | 0,9    | 40/61       |
| 32  | 1 1/4   | 42  | 1 21/32 | 0,97   | 10  | 150 | 30  | 450 | 190            | 0,9    | 40/61       |
| 35  | 1 3/8   | 45  | 1 49/64 | 1,08   | 10  | 150 | 30  | 450 | 210            | 0,9    | 40/61       |
| 38  | 1 1/2   | 48  | 1 7/8   | 1,20   | 10  | 150 | 30  | 450 | 230            | 0,9    | 40/61       |
| 40  | 1 9/16  | 50  | 1 31/32 | 1,28   | 10  | 150 | 30  | 450 | 240            | 0,9    | 40/61       |
| 42  | 1 21/32 | 52  | 2 3/64  | 1,35   | 10  | 150 | 30  | 450 | 50             | 0,9    | 40/61       |
| 45  | 1 25/32 | 56  | 2 17/32 | 1,49   | 10  | 150 | 30  | 450 | 260            | 0,9    | 40/61       |
| 51  | 2       | 62  | 2 7/16  | 1,76   | 10  | 150 | 30  | 450 | 280            | 0,9    | 40/61       |
| 51  | 2       | 63  | 2 1/2   | 1,80   | 10  | 150 | 30  | 450 | 290            | 0,9    | 40/61       |
| 60  | 2 3/8   | 72  | 2 53/64 | 2,10   | 10  | 150 | 30  | 450 | 340            | 0,9    | 40/61       |
| 70  | 2 3/4   | 82  | 3 5/32  | 2,62   | 10  | 150 | 30  | 450 | 410            | 0,9    | 40/61       |
| 76  | 3       | 88  | 3 15/32 | 2,80   | 10  | 150 | 30  | 450 | 430            | 0,9    | 40/61       |
| 80  | 3 5/32  | 92  | 3 5/8   | 3,15   | 10  | 150 | 30  | 450 | 460            | 0,9    | 40/61       |
| 90  | 3 17/32 | 103 | 4 1/16  | 3,47   | 10  | 150 | 30  | 450 | 520            | 0,9    | 40/61       |
| 102 | 4       | 115 | 4 17/32 | 4,00   | 10  | 150 | 30  | 450 | 590            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT PETROFOR

SD

W.P. 10 BAR

ITALY

tubi gomma torino



# PETROFOR SD SAE 100 R4

TUBO ASPIRAZIONE E MANDATA OLI IDRAULICI SAE 100 R4  
 HYDRAULIC OIL SUCTION AND DELIVERY HOSE SAE 100 R4  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES HYDRAULIQUES SAE 100 R4  
 SAUG- UND DRUCKSCHLAUCH FÜR HYDRAULIKÖL SAE 100 R4



| APPLICAZIONE  | APPLICATION   | APPLICATION   | ANWENDUNG  |
|---|---|---|--|
| Aspirazione e mandata di oli idraulici  | Suction and delivery hose for hydraulic oils  | Tuyau pour aspiration et refoulement des huiles hydrauliques  | Saug- und Druckschlauch für Hydrauliksysteme   |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>sintetica</b>  | Black, smooth <b>synthetic</b> rubber compound  | Noir, lisse en caoutchouc <b>synthétique</b>  | Schwarz, glatt, <b>synthetischer</b> Gummi   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                          |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia ad impressione tela, in gomma <b>sintetica</b> , resistente agli oli, all'ozono ed agli agenti atmosferici | Black, smooth, cloth impression <b>synthetic</b> rubber compound, resistant to oils, ozone and weathering | Caoutchouc <b>synthétique</b> noir, lisse, grain toile, résistant à l'huile, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, <b>synthetischer</b> Gummi, beständig gegen Öl, Ozon- und Witterungsbestandig |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN   |
| EN 854 SAE 100R4  | EN 854 SAE 100R4  | EN 854 SAE 100R4  | EN 854 SAE 100R4   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +100°C  | -40°F +212°F  | -40°C +100°C  | -40°C +100°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | mm             | bar    | m           |
| 19   | 3/4   | 32  | 1 1/4   | 0,80   | 21  | 315 | 84  | 1260 | 127            | 0,9    | 40/61       |
| 25   | 1     | 38  | 1 1/2   | 0,90   | 17  | 255 | 69  | 1035 | 152            | 0,9    | 40/61       |
| 32   | 1 1/4 | 45  | 1 49/64 | 1,20   | 14  | 210 | 56  | 840  | 203            | 0,9    | 40/61       |
| 38   | 1 1/2 | 52  | 2 3/64  | 1,55   | 10  | 150 | 40  | 600  | 254            | 0,9    | 40/61       |
| 51   | 2     | 64  | 2 33/64 | 1,90   | 7   | 105 | 28  | 420  | 305            | 0,9    | 40/61       |
| 63,5 | 2 1/2 | 78  | 3 5/64  | 2,50   | 4   | 60  | 17  | 255  | 360            | 0,9    | 40/61       |
| 76   | 3     | 90  | 3 35/64 | 3,10   | 4   | 60  | 15  | 225  | 450            | 0,9    | 40/61       |
| 102  | 4     | 116 | 4 9/16  | 4,20   | 2   | 30  | 10  | 150  | 610            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROFOR**

SD

SAE 100 R4

ITALY



tubi gomma torino



# PETROSTAR /18

TUBO MANDATA CARBURANTI ED OLI MINERALI PER ASPÍ  
 FUEL AND MINERAL OIL DELIVERY HOSE FOR TANK REELS  
 TUYAU POUR REFOULEMENT DES HUILES MINERALES ET CARBURANTS POUR ENROULEURS  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN ZUM SCHLAUCHROLLEN



| APPLICAZIONE  | APPLICATION  | APPLICATION   | ANWENDUNG  |
|---|--|---|--|
| Mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%. Utilizzato specialmente su aspi di avvolgimento                          | Delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%. Suitable for hose reels                       | Tuyau pour refolement des huiles minerales, gasoil et essence avec une teneur de produits aromatiques jusqu'à 50%. Employé sur enrouleurs | Druckschlauch, zum Durchleiten von Mineralölprodukten, Diesel, Benzin, Kraftstoffe, mit Aromatenanteil bis 50%, aufrollbar                           |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b> , (durezza Shore A 80).  | Black, smooth <b>NBR</b> , (80 Shore A) rubber compound  | Noir, lisse en caoutchouc <b>NBR</b> (Dureté Shore A 80)  | Schwarz, glatt, <b>NBR</b> -Qualität (A 80 Shore)  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporato 1 cord in rame per la messa a terra della tubazione   | High strength synthetic plies and 1 copper wire for hose grounding   | Nappes synthétiques très résistant avec 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 1 antistatischen Kupferlitze zur Erdung  |
| COPERTURA   | COVER  | RETEVEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>NBR</b> , resistente agli oli, ai carburanti ed agli agenti atmosferici | Black, smooth, antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>NBR</b> rubber compound, resistant to oils, fuels and weathering | <b>NBR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant à l'huiles, carburants et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>NBR</b> -Qualität, beständig gegen Öl, Kraftstoffe, Ozon- und Witterungsbeständig |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -30°C +80°C   | -22°F +176°F   | -30°C +80°C   | -30°C +80°C  |

| ID |         | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|---------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch    | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19 | 3/4     | 32 | 1 1/4   | 0,70   | 18  | 270 | 54  | 810 | 40/50/61    |
| 25 | 1       | 38 | 1 1/2   | 0,85   | 18  | 270 | 54  | 810 | 40/50/61    |
| 32 | 1 1/4   | 44 | 1 23/32 | 1,00   | 18  | 270 | 54  | 810 | 40/50/61    |
| 38 | 1 1/2   | 52 | 2 1/16  | 1,32   | 18  | 270 | 54  | 810 | 40/50/61    |
| 40 | 1 9/16  | 54 | 2 1/8   | 1,38   | 18  | 270 | 54  | 810 | 40/50/61    |
| 45 | 1 25/32 | 59 | 2 5/16  | 1,51   | 18  | 270 | 54  | 810 | 40/50/61    |
| 51 | 2       | 64 | 2 17/32 | 1,63   | 18  | 270 | 54  | 810 | 40/50/61    |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSTAR****W.P. 18 BAR**

ITALY



tubi gomma torino



# PETROFLEX SD /10

TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI - COPERTURA GRECATA  
 FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE, HELIX GROOVED  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS - ONDULATION CARREE  
 SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN - DECKE GERIEFT



| APPLICAZIONE   | APPLICATION   | APPLICATION  | ANWENDUNG   |
|--|---|--|---|
| Aspirazione e mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%. Buona flessibilità                        | Suction and delivery hose or mineral oils, diesel fuel and gasoline with aromatic contents up to 50%. Very flexible               | Tuyau pour aspiration et refoulement des huiles minerales, gasoil et essence avec un teneur de produits aromatiques jusqu'à 50%. Bonne souplesse | Saug- und Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Kraftstoffe, mit Aromatenanteil bis 50%, hochflexibel für leichte Handhabung |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth <b>NBR</b> rubber compound  | Noir, lisse en caoutchouc <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> -Qualität  |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione               | High strength synthetic plies, with steel spirals and 1 copper wire for hose grounding  | Nappes synthétiques très résistant avec spirales métalliques et 1 fil en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, grecata ad impressione tela, antistatica in gomma <b>SBR/NBR/PVC</b> , resistente agli oli, all'abrasione ed agli agenti atmosferici | Black, helix grooved, cloth impression, antistatic <b>SBR/NBR/PVC</b> rubber compound, resistant to oils, abrasion and weathering | <b>SBR/NBR/PVC</b> noir, ondulation carrée, antistatique, grain toile, résistant à l'huile, à l'abrasion et aux agents atmosphériques            | Schwarz, gerieft, stoffgemustert, antistatisch, <b>SBR/NBR/PVC</b> -Mischung, beständig gegen Öl, Abrieb- und Witterungsbeständig                                 |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +80°C  | -22°F +176°F  | -30°C +80°C  | -30°C +80°C   |

| ID   |        | OD   |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|--------|------|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch   | mm   | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4    | 28   | 1 3/32  | 0,60   | 10  | 150 | 30  | 450 | 70             | 0,9    | 40          |
| 25   | 1      | 34   | 1 11/32 | 0,78   | 10  | 150 | 30  | 450 | 85             | 0,9    | 40          |
| 30   | 1 3/16 | 40   | 1 9/16  | 0,92   | 10  | 150 | 30  | 450 | 100            | 0,9    | 40          |
| 32   | 1 1/4  | 42   | 1 21/32 | 1,00   | 10  | 150 | 30  | 450 | 105            | 0,9    | 40          |
| 38   | 1 1/2  | 48   | 1 7/8   | 1,24   | 10  | 150 | 30  | 450 | 130            | 0,9    | 40          |
| 40   | 1 9/16 | 50   | 1 31/32 | 1,28   | 10  | 150 | 30  | 450 | 135            | 0,9    | 40          |
| 45   | 1 3/4  | 55   | 2 5/32  | 1,47   | 10  | 150 | 30  | 450 | 150            | 0,9    | 40          |
| 51   | 2      | 61   | 2 13/32 | 1,57   | 10  | 150 | 30  | 450 | 165            | 0,9    | 40          |
| 60   | 2 3/8  | 70   | 2 3/4   | 1,70   | 10  | 150 | 30  | 450 | 200            | 0,9    | 40          |
| 63,5 | 2 1/2  | 73,5 | 2 57/64 | 1,80   | 10  | 150 | 30  | 450 | 220            | 0,9    | 40          |
| 76   | 3      | 90   | 3 17/32 | 3,00   | 10  | 150 | 30  | 450 | 270            | 0,9    | 40          |
| 102  | 4      | 116  | 3 9/16  | 4,20   | 10  | 150 | 30  | 450 | 390            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



# PETROPLUS SD /5

TUBO ASPIRAZIONE E MANDATA CARBURANTI ED OLI MINERALI, COPERTURA ONDULATA  
 FUEL AND MINERAL OIL SUCTION AND DELIVERY HOSE, CORRUGATED  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES HUILES MINERALES ET CARBURANTS - REVETEMENT ONDULE  
 SAUG- UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN UND MINERALÖLPRODUKTEN - DECKE GEWELLT



| APPLICAZIONE   | APPLICATION  | APPLICATION   | ANWENDUNG   |
|--|--|---|---|
| Aspirazione e mandata di oli minerali, gasolio e carburanti con contenuto aromatico fino al 50%.<br>Eccellente flessibilità                    | Suction and delivery hose for mineral oils, diesel fuel and gasoline with aromatic contents up to 50%.<br>Outstanding flexibility    | Tuyau pour aspiration et refoulement des huiles minerales, gasoil et essence avec un teneur de produits aromatics jusqu'à 50%.<br>Souplesse excellente. | Saug- und Druckschlauch, zum Durchleiten von Mineralölprodukten, wie Diesel, Benzin, Kraftstoffe, mit Aromatenanteil bis 50%, mit höchster Flexibilität |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth <b>NBR</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione                   | High strength synthetic plies, with steel spirals and 1 copper wire for hose grounding   | Nappes synthétiques très résistant avec spirales métalliques et 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung                               |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, ondulata, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente agli oli, all'abrasione ed agli agenti atmosferici | Black, convoluted, fire proof and antistatic, cloth impression <b>CR</b> rubber compound, resistant to oils, abrasion and weathering | <b>CR</b> noir, ondulé, antistatique, grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques                     | Schwarz, gewellt, stoffgemustert, selbstverlöschend, antistatisch, <b>CR</b> -Qualität, beständig gegen Öl, Abrieb- und Witterungsbeständig             |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +100°C   | -22°F +212°F   | -30°C +100°C  | -30°C +100°C  |

| ID   |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4     | 0,40   | 5   | 75  | 15  | 225 | 50             | 0,5    | 40          |
| 22   | 7/8     | 0,46   | 5   | 75  | 15  | 225 | 60             | 0,5    | 40          |
| 25   | 1       | 0,50   | 5   | 75  | 15  | 225 | 68             | 0,5    | 40          |
| 28   | 1 7/64  | 0,55   | 5   | 75  | 15  | 225 | 75             | 0,5    | 40          |
| 32   | 1 1/4   | 0,62   | 5   | 75  | 15  | 225 | 85             | 0,5    | 40          |
| 35   | 1 3/8   | 0,67   | 5   | 75  | 15  | 225 | 95             | 0,5    | 40          |
| 38   | 1 1/2   | 0,71   | 5   | 75  | 15  | 225 | 105            | 0,5    | 40          |
| 42   | 1 21/32 | 0,77   | 5   | 75  | 15  | 225 | 120            | 0,5    | 40          |
| 45   | 1 49/64 | 0,82   | 5   | 75  | 15  | 225 | 130            | 0,5    | 40          |
| 51   | 2       | 1,00   | 5   | 75  | 15  | 225 | 150            | 0,5    | 40          |
| 63,5 | 2 1/2   | 1,24   | 5   | 75  | 15  | 225 | 185            | 0,5    | 40          |
| 76   | 3       | 1,68   | 5   | 75  | 15  | 225 | 240            | 0,5    | 40          |
| 80   | 3 5/32  | 1,80   | 5   | 75  | 15  | 225 | 255            | 0,5    | 40          |
| 90   | 3 35/64 | 2,20   | 5   | 75  | 15  | 225 | 310            | 0,5    | 40          |
| 102  | 4       | 2,50   | 5   | 75  | 15  | 225 | 350            | 0,5    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROPLUS****SD W.P. 5 BAR**

ITALY



tubi gomma torino



# PETROCRAFT D /20 EN1825 TYPE B

TUBO MANDATA RIFORNIMENTO A TERRA DEGLI AEROMOBILI - EN 1825 TIPO B  
 DELIVERY HOSE AIRCRAFT GROUND REFUELLING EN 1825 TYPE B  
 TUYAU POUR REFOULEMENT DES AVIONS A TERRE - EN 1825 TYPE B  
 DRUCKSCHLAUCH ZUM FLUGZEUGBETANKUNG AM BODEN - EN 1825 TYPE B



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|---|---|---|
| Mandata di carburanti con contenuto aromatico fino al 50% per rifornimenti a terra degli aeromobili   | Delivery hose for aircraft ground refuelling. Fuels with aromatic content up to 50%   | Tuyau pour refolement des avions a terre. Carburant avec un teneur de produits aromatic jusqu'à 50%   | Druckschlauch, zum Flugzeugbetankung am Boden. Kraftstoffe mit Aromatenanteil bis 50%   |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b>   | Black, smooth <b>NBR1</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR1</b>   | Schwarz, glatt, <b>NBR1</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporato 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec 2 fils en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN  |
| EN 1825 TYPE B + TRbF   | EN 1825 TYPE B + TRbF   | EN 1825 TYPE B + TRbF   | EN 1825 TYPE B + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C   | -30°C +70°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|----------------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | mm             | m           |
| 19   | 3/4   | 29  | 1 5/32  | 0,52   | 20  | 300 | 80  | 1200 | 113            | 40/61       |
| 25   | 1     | 38  | 1 1/2   | 0,84   | 20  | 300 | 80  | 1200 | 150            | 40/61       |
| 32   | 1 1/4 | 45  | 1 3/4   | 1,00   | 20  | 300 | 80  | 1200 | 200            | 40/61       |
| 38   | 1 1/2 | 51  | 2       | 1,16   | 20  | 300 | 80  | 1200 | 230            | 40/61       |
| 51   | 2     | 65  | 2 9/16  | 1,70   | 20  | 300 | 80  | 1200 | 305            | 40/61       |
| 63,5 | 2 1/2 | 79  | 3 1/8   | 2,07   | 20  | 300 | 80  | 1200 | 390            | 40/61       |
| 76   | 3     | 92  | 3 5/8   | 2,56   | 20  | 300 | 80  | 1200 | 460            | 40/61       |
| 102  | 4     | 120 | 4 23/32 | 3,74   | 20  | 300 | 80  | 1200 | 610            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCRAFT** **EN1825 TYPE B** **M** **I.D.** **W.P. 20 BAR** **TRbF** **q/v** **ITALY** **tubi gomma torino**





# PETROCRAFT D /20 EN1825 TYPE C

TUBO MANDATA RIFORMIMENTO A TERRA DEGLI AEROMOBILI - EN 1825 TIPO C  
 DELIVERY HOSE AIRCRAFT GROUND REFUELLING EN 1825 TYPE C  
 TUYAU POUR REFOULEMENT DES AVIONS A TERRE - EN 1825 TYPE C  
 DRUCKSCHLAUCH ZUM FLUGZEUGBETANKUNG AM BODEN - EN 1825 TYPE C



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|---|---|---|
| Mandata di carburanti con contenuto aromatico fino al 50% per rifornimenti a terra degli aeromobili.  | Delivery hose for aircraft ground refuelling. Fuels with aromatic content up to 50%.  | Tuyau pour refolement des avions a terre. Carburant avec un teneur de produits aromatic jusqu'à 50%.  | Druckschlauch, zum Flugzeugbetankung am Boden. Kraftstoffe mit Aromatenanteil bis 50%.  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b> Conduttivo  | Black, smooth <b>NBR1</b> rubber compound. Conductive   | Noir, lisse en caoutchouc <b>NBR1</b> . Conductive  | Schwarz, glatt, <b>NBR1</b> -Qualität. Leitfähig  |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN  |
| EN 1825 TYPE C + TRbF   | EN 1825 TYPE C + TRbF   | EN 1825 TYPE C + TRbF   | EN 1825 TYPE C + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C   | -30°C +70°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|----------------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | mm             | m           |
| 19   | 3/4   | 29  | 1 5/32  | 0,52   | 20  | 300 | 80  | 1200 | 113            | 40/61       |
| 25   | 1     | 38  | 1 1/2   | 0,84   | 20  | 300 | 80  | 1200 | 150            | 40/61       |
| 32   | 1 1/4 | 45  | 1 3/4   | 1,00   | 20  | 300 | 80  | 1200 | 200            | 40/61       |
| 38   | 1 1/2 | 51  | 2       | 1,16   | 20  | 300 | 80  | 1200 | 230            | 40/61       |
| 51   | 2     | 65  | 2 9/16  | 1,70   | 20  | 300 | 80  | 1200 | 305            | 40/61       |
| 63,5 | 2 1/2 | 79  | 3 1/8   | 2,07   | 20  | 300 | 80  | 1200 | 390            | 40/61       |
| 76   | 3     | 92  | 3 5/8   | 2,56   | 20  | 300 | 80  | 1200 | 460            | 40/61       |
| 102  | 4     | 120 | 4 23/32 | 3,74   | 20  | 300 | 80  | 1200 | 610            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCRAFT** **EN1825 TYPE C** **I.D.** **W.P. 20 BAR** **TRbF** **ITALY** **tubi gomma torino**



# PETROCRAFT SD /20 EN1825 TYPE E

TUBO ASPIRAZIONE E MANDATA RIFORMENTO A TERRA DEGLI AEROMOBILI - EN 1825 TIPO E  
 SUCTION AND DELIVERY AIRCRAFT GROUND REFUELLING EN 1825 TYPE E  
 TUYAU POUR REFOULEMENT DES AVIONS A TERRE - EN 1825 TYPE E  
 DRUCKSCHLAUCH ZUM FLUGZEUGBETANKUNG AM BODEN - EN 1825 TYPE E



| APPLICAZIONE  | APPLICATION   | APPLICATION   | ANWENDUNG   |
|---|---|---|---|
| Aspirazione e mandata di carburanti con contenuto aromatico fino al 50% per rifornimenti a terra degli aeromobili.  | Suction and delivery hose for aircraft ground refuelling. Fuels with aromatic content up to 50%   | Tuyau pour pour aspiration et refolement des avions a terre. Carburant avec un teneur de produits aromatic jusqu'à 50%                                      | Saug-und Druckschlauch, zum Flugzeugbetankung am Boden. Kraftstoffe mit Aromatenanteil bis 50%  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b>   | Black, smooth <b>NBR1</b> rubber compound   | Noir, lisse en caoutchouc <b>NBR1</b>   | Schwarz, glatt, <b>NBR1</b> -Qualität   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate ed 2 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with steel spirals and 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistant avec spirales métallique et 2 fils en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente ai prodotti chimici, all'ozono ed agli agenti atmosferici | Black, smooth, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>CR</b> rubber compound, resistant to chemical products, ozone and weathering | <b>CR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m) <b>CR</b> -Qualität, beständig gegen chem. Produkte, Ozon- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN  |
| EN 1825 TYPE E + TRbF   | EN 1825 TYPE E + TRbF   | EN 1825 TYPE E + TRbF   | EN 1825 TYPE E + TRbF   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C   | -30°C +70°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | mm             | bar    | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,69   | 20  | 290 | 80  | 1160 | 85             | 0,9    | 40/61       |
| 25   | 1     | 39  | 1 17/32 | 0,97   | 20  | 290 | 80  | 1160 | 115            | 0,9    | 40/61       |
| 32   | 1 1/4 | 46  | 1 13/16 | 1,22   | 20  | 290 | 80  | 1160 | 150            | 0,9    | 40/61       |
| 38   | 1 1/2 | 53  | 2 3/32  | 1,59   | 20  | 290 | 80  | 1160 | 180            | 0,9    | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 2,32   | 20  | 290 | 80  | 1160 | 250            | 0,9    | 40/61       |
| 63,5 | 2 1/2 | 81  | 3 13/64 | 2,86   | 20  | 290 | 80  | 1160 | 325            | 0,9    | 40/61       |
| 76   | 3     | 95  | 3 25/32 | 3,70   | 20  | 290 | 80  | 1160 | 400            | 0,9    | 40/61       |
| 102  | 4     | 123 | 4 7/8   | 5,17   | 20  | 290 | 80  | 1160 | 550            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROCRAFT** EN1825 TYPE E M I.D. W.P. 20 BAR TRbF ITALY tubi gamma torino



# PETROFLON SD /10

TUBO ASPIRAZIONE E MANDATA ASFALTO LIQUIDO  
 SUCTION AND DELIVERY HOSE FOR HOT TAR  
 TUYAU POUR ASPIRATION ET REFOULEMENT D' ASPHALTE CHAUD  
 SAUG- UND DRUCKSCHLAUCH FÜR BITUM - HOCHTEMPERATURBESTÄNDIG



|  |  |  |   |
|--|--|--|---|
| <b>APPLICAZIONE</b><br>Aspirazione e mandata di oli minerali bollenti e asfalto liquido a media densità  | <b>APPLICATION</b><br>Suction and delivery hose for hot mineral oils and tar   | <b>APPLICATION</b><br>Tuyau pour aspiration et refolement des huiles minerales et asphalte chaud   | <b>ANWENDUNG</b><br>Saug- und Druckschlauch, zum Durchleiten von Teer und Bitum, Mineralölen, hochtemperaturbeständig                                       |
| <b>SOTTOSTRATO</b><br>Nero, liscio in gomma <b>FKM</b>   | <b>TUBE</b><br>Black, smooth <b>FKM</b> rubber compound  | <b>TUBE INTERIEUR</b><br>Noir, lisse en caoutchouc <b>FKM</b>  | <b>INNENSEELE</b><br>Schwarz, glatt, <b>FKM</b> -Qualität   |
| <b>RINFORZO</b><br>Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione                  | <b>REINFORCEMENT</b><br>High strength synthetic plies, with steel spirals and crossing copper wire for hose grounding                            | <b>ARMATURE</b><br>Nappes synthétiques très résistant avec spirales métalliques et 1 fil en cuivre de masse  | <b>EINLAGEN</b><br>Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung                |
| <b>COPERTURA</b><br>Nera, liscia, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente agli oli, all'abrasione ed agli agenti atmosferici | <b>COVER</b><br>Black, smooth, fire proof and antistatic, cloth impression <b>CR</b> rubber compound, resistant to oils, abrasion and weathering | <b>REVETEMENT EXTERIEUR</b><br><b>CR</b> noir, lisse, antistatique grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | <b>DECKE</b><br>Schwarz, gewellt, stoffgemustert, selbstverlöschend, antistatisch, <b>CR</b> -Qualität, beständig gegen Öl, Abrieb- und Witterungsbeständig |
| <b>NORME</b><br>TRbF   | <b>SPECIFICATIONS</b><br>TRbF  | <b>NORMES</b><br>TRbF  | <b>NORMEN</b><br>TRbF   |
| <b>TEMPERATURA D'ESERCIZIO</b><br>-30°C +180°C   | <b>WORKING TEMPERATURE</b><br>-22°F +356°F   | <b>TEMPERATURE</b><br>-30°C +180°C   | <b>BETRIEBSTEMPERATUR</b><br>-30°C +180°C   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 76  | 3       | 95  | 3 3/4   | 3,30   | 10  | 150 | 30  | 450 | 450            | 0,9    | 40          |
| 90  | 3 17/32 | 109 | 4 19/64 | 4,00   | 10  | 150 | 30  | 450 | 540            | 0,9    | 40          |
| 102 | 4       | 122 | 4 13/16 | 4,50   | 10  | 150 | 30  | 450 | 610            | 0,9    | 40          |
| 127 | 5       | 147 | 5 51/64 | 6,80   | 10  | 150 | 30  | 450 | 760            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**PETROFLON**

**SD**

**W.P. 10 BAR**

**180°C**

**FKM**

**TRbF**

**g/y**

**ITALY**



tubi gamma torino



# PETROFLON SD /15

TUBO ASPIRAZIONE E MANDATA ASFALTO LIQUIDO  
 SUCTION AND DELIVERY HOSE FOR HOT TAR  
 TUYAU POUR ASPIRATION ET REFOULEMENT D' ASPHALTE CHAUD  
 SAUG- UND DRUCKSCHLAUCH FÜR BITUM - HOCHTEMPERATURBESTÄNDIG



| APPLICAZIONE   | APPLICATION  | APPLICATION   | ANWENDUNG   |
|--|--|---|---|
| Aspirazione e mandata di oli minerali bollenti e asfalto liquido a media densità   | Suction and delivery hose for hot mineral oils and tar   | Tuyau pour aspiration et refoulement des huiles minerales et asphalte chaud   | Saug- und Druckschlauch, zum Durchleiten von Teer und Bitum, Mineralölen, hochtemperaturbeständig   |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>FKM</b>   | Black, smooth <b>FKM</b> rubber compound   | Noir, lisse en caoutchouc <b>FKM</b>  | Schwarz, glatt, <b>FKM</b> -Qualität  |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione                 | High strength synthetic plies, with steel spirals and crossing copper wire for hose grounding                                    | Nappes synthétiques très résistant avec spirales métalliques et 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung                   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ignifuga ed antistatica ad impressione tela in gomma <b>CR</b> , resistente agli oli, all'abrasione ed agli agenti atmosferici | Black, smooth, fire proof and antistatic, cloth impression <b>CR</b> rubber compound, resistant to oils, abrasion and weathering | <b>CR</b> noir, lisse, antistatique grain toile, résistant au feu, aux produits chimiques, à l'ozone et aux agents atmosphériques | Schwarz, gewellt, stoffgemustert, selbstverlöschend, antistatisch, <b>CR</b> -Qualität, beständig gegen Öl, Abrieb- und Witterungsbeständig |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| TRbF   | TRbF   | TRbF  | TRbF  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C +180°C   | -22°F +356°F   | -30°C +180°C  | -30°C +180°C  |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 76  | 3       | 95  | 3 3/4   | 3,30   | 15  | 217 | 45  | 650 | 450            | 0,9    | 40          |
| 90  | 3 17/32 | 109 | 4 19/64 | 4,00   | 15  | 217 | 45  | 650 | 540            | 0,9    | 40          |
| 102 | 4       | 122 | 4 13/16 | 4,50   | 15  | 217 | 45  | 650 | 610            | 0,9    | 40          |
| 127 | 5       | 147 | 5 51/64 | 6,80   | 15  | 217 | 45  | 650 | 760            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROFLON****SD****W.P. 15 BAR****180°C****FKM****TRbF****air****ITALY**

tubi gamma torino



# PETROGAS /25 EN1762 TYPE D

TUBO MANDATA GPL EN 1762 TIPO D | DELIVERY HOSE FOR LPG EN 1762 TYPE D  
TUYAU POUR REFOULEMENT DE GPL - EN 1762 TYPE D | DRUCKSCHLAUCH FÜR FLÜSSIGGAS EN 1762 TYPE D



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|---|--|--|
| Mandata GPL   | Delivery hose for LPG   | Tuyau pour refolement du GPL   | Druckschlauch, für Flüssiggas  |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>NR1</b> .<br>Conduttivo  | Black, smooth <b>NR1</b> rubber<br>compound. Conductive   | Noir, lisse en caoutchouc <b>NR1</b> .<br>Conductive   | Schwarz, glatt, <b>NR1</b> -Qualität. Leitfähig  |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches<br>Cordgewebe   |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia, microforata, ignifuga<br>ed antistatica (R<10 <sup>6</sup> Ohm/m) ad<br>impressione tela in gomma <b>CR</b> ,<br>resistente agli oli, all'abrasione ed agli<br>agenti atmosferici | Black, smooth, pin pricked, fire proof<br>and antistatic (R<10 <sup>6</sup> Ohm/m), cloth<br>impression <b>CR</b> rubber compound,<br>resistant to oils, abrasion and<br>weathering | <b>CR</b> noir, lisse, microperforé,<br>antistatique (R<10 <sup>6</sup> Ohm/m) grain<br>toile, résistant au feu, aux produits<br>chimiques, à l'abrasion et aux agents<br>atmosphériques | Schwarz, gewellt, stoffgemustert,<br>geprickt, selbstverlöschend,<br>antistatisch (R<10 <sup>6</sup> Ohm/m), <b>CR</b> -<br>Qualität, beständig gegen Öl, Abrieb-<br>und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN   |
| EN 1762 TYPE S  | EN 1762 TYPE S  | EN 1762 TYPE S   | EN 1762 TYPE S   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C  | -30°C +70°C  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|----------------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | mm             | m           |
| 13   | 1/2   | 23  | 29/32   | 0,39   | 25  | 375 | 100 | 1500 | 100            | 40/61       |
| 16   | 5/8   | 26  | 1 1/32  | 0,47   | 25  | 375 | 100 | 1500 | 120            | 40/61       |
| 19   | 3/4   | 31  | 1 7/32  | 0,63   | 25  | 375 | 100 | 1500 | 160            | 40/61       |
| 25   | 1     | 38  | 1 1/2   | 0,84   | 25  | 375 | 100 | 1500 | 200            | 40/61       |
| 32   | 1 1/4 | 45  | 1 3/4   | 1,05   | 25  | 375 | 100 | 1500 | 250            | 40/61       |
| 38   | 1 1/2 | 52  | 2 1/16  | 1,20   | 25  | 375 | 100 | 1500 | 320            | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 1,83   | 25  | 375 | 100 | 1500 | 400            | 40/61       |
| 63,5 | 2 1/2 | 81  | 3 13/64 | 2,50   | 25  | 375 | 100 | 1500 | 550            | 40/61       |
| 76   | 3     | 94  | 3 11/16 | 3,02   | 25  | 375 | 100 | 1500 | 650            | 40/61       |
| 102  | 4     | 120 | 4 23/32 | 3,86   | 25  | 375 | 100 | 1500 | 800            | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROGAS**
EN1762:2003 TYPE D
Ω
I.D.
W.P. 25 BAR
TRbF
Q/V
ITALY

 tubi gomma torino



# PETROGAS /25 EN1762 TYPE SD

TUBO ASPIRAZIONE E MANDATA GPL EN 1762 TIPO SD  
 SUCTION AND DELIVERY HOSE FOR LPG EN 1762 TYPE SD  
 TUYAU POUR ASPIRATION ET REFOULEMENT DE GPL - EN 1762 TYPE SD  
 SAUG- UND DRUCKSCHLAUCH FÜR FLÜSSIGGAS EN 1762 TYPE SD



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|---|--|---|
| Aspirazione e mandata GPL   | Suction and delivery hose for LPG   | Tuyau pour aspiration et refolement du GPL   | Saug- und Druckschlauch, für Flüssiggas   |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR1</b> .<br>Conduttivo   | Black, smooth <b>NBR1</b> rubber compound. Conductive   | Noir, lisse en caoutchouc <b>NBR1</b> .<br>Conductive  | Schwarz, glatt, <b>NBR1</b> -Qualität. Leitfähig  |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia, microforata, ignifuga ed antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>CR</b> , resistente agli oli, all'abrasione ed agli agenti atmosferici | Black, smooth, pin pricked, fire proof and antistatic (R<10 <sup>6</sup> Ohm/m), cloth impression <b>CR</b> rubber compound, resistant to oils, abrasion and weathering | <b>CR</b> noir, lisse, microperforé, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant au feu, aux produits chimiques, à l'abrasion et aux agents atmosphériques | Schwarz, gewellt, stoffgemustert, geprickt, selbstverlöschend, antistatisch (R<10 <sup>6</sup> Ohm/m), <b>CR</b> -Qualität, beständig gegen Öl, Abrieb- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN  |
| EN 1762 TYPE SD   | EN 1762 TYPE SD   | EN 1762 TYPE SD  | EN 1762 TYPE SD   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +70°C   | -22°F +158°F  | -30°C +70°C  | -30°C +70°C   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|------|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi  | mm             | bar    | m           |
| 13   | 1/2   | 23  | 29/32   | 0,44   | 25  | 375 | 100 | 1500 | 55             | 0,9    | 40/61       |
| 16   | 5/8   | 26  | 1 1/32  | 0,52   | 25  | 375 | 100 | 1500 | 75             | 0,9    | 40/61       |
| 19   | 3/4   | 31  | 1 7/32  | 0,68   | 25  | 375 | 100 | 1500 | 100            | 0,9    | 40/61       |
| 25   | 1     | 38  | 1 1/2   | 0,90   | 25  | 375 | 100 | 1500 | 140            | 0,9    | 40/61       |
| 32   | 1 1/4 | 45  | 1 3/4   | 1,18   | 25  | 375 | 100 | 1500 | 190            | 0,9    | 40/61       |
| 38   | 1 1/2 | 52  | 2 1/16  | 1,50   | 25  | 375 | 100 | 1500 | 200            | 0,9    | 40/61       |
| 51   | 2     | 67  | 2 41/64 | 2,20   | 25  | 375 | 100 | 1500 | 280            | 0,9    | 40/61       |
| 63,5 | 2 1/2 | 81  | 3 13/64 | 2,90   | 25  | 375 | 100 | 1500 | 380            | 0,9    | 40/61       |
| 76   | 3     | 94  | 3 11/16 | 3,58   | 25  | 375 | 100 | 1500 | 460            | 0,9    | 40/61       |
| 102  | 4     | 120 | 4 23/32 | 4,56   | 25  | 375 | 100 | 1500 | 625            | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROGAS** **EN1762:2003 TYPE SD**  $\Omega$  **I.D.** **W.P. 25 BAR** **TRbF** **Q/V** **ITALY** **tubi gomma torino**





# **AGRA FOOD**

PRODOTTI ALIMENTARI | FOODSTUFFS  
PRODUITS ALIMENTAIRES | LEBENSMITTEL SCHLÄUCHE



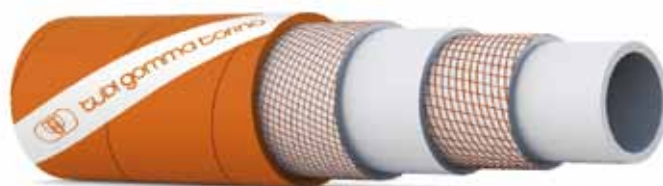


|                      | DESCRIZIONE                     | DESCRIPTION   | DESCRIPTION   | ANWENDUNG   | page   |     |
|----------------------|---------------------------------|---|---|---|--|-----|
| BEVERAGE             | <b>AGRABREW /10</b>             | TUBO MANDATA BIRRA  | BREWER DELIVERY HOSE  | TUYAU POUR REFOULEMENT DE BIÈRE   | DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN                                     | 112 |
|                      | <b>AGRABREW SD /10</b>          | TUBO ASPIRAZIONE E MANDATA BIRRA  | BREWER SUCTION AND DELIVERY HOSE  | TUYAU POUR ASPIRATION ET REFOULEMENT DE BIÈRE   | SAUG-UND DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN                            | 113 |
|                      | <b>AGRABREW SD /16 2W</b>       | TUBO ASPIRAZIONE E MANDATA BIRRA - COPERTURA ONDULATA   | BREWER SUCTION AND DELIVERY HOSE, CONVOLUTED                                | TUYAU POUR ASPIRATION ET REFOULEMENT DE BIÈRE - REVETEMENT ONDULE   | SAUG-UND DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN, DECKE GEWELLT             | 114 |
|                      | <b>AGRABREW SD /16 2W LITE</b>  | TUBO ASPIRAZIONE E MANDATA BIRRA ANTISCHIACCIAMENTO - COPERTURA ONDULATA                      | BREWER SUCTION AND DELIVERY HOSE, CONVOLUTED - CRUSH RESISTANT              | TUYAU POUR ASPIRATION ET REFOULEMENT DE BIÈRE REVETEMENT ONDULE - RESISTANT A L'ECRASMENT                       | SAUG-UND DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN, DECKE GEWELLT-KNICKSTABIL | 115 |
|                      | <b>AGRAWINE /10</b>             | TUBO MANDATA LIQUIDI ALIMENTARI NON GRASSI  | DELIVERY HOSE FOR NOT FATTY FOODS   | TUYAU POUR REFOULEMENT DES LIQUIDES ALIMENTAIRES NON GRAS   | DRUCKSCHLAUCH FÜR NICHT FETTIGE FLÜSSIGE LEBENSMITTEL                                  | 116 |
|                      | <b>AGRAWINE SD /10</b>          | TUBO ASPIRAZIONE E MANDATA LIQUIDI ALIMENTARI NON GRASSI                                      | SUCTION AND DELIVERY HOSE FOR NOT FATTY FOODS                               | TUYAU POUR ASPIRATION ET REFOULEMENT DES LIQUIDES ALIMENTAIRES NON GRAS   | SAUG-UND DRUCKSCHLAUCH FÜR NICHT FETTIGE FLÜSSIGE LEBENSMITTEL                         | 117 |
|                      | <b>AGRASPIRITS SD /10</b>       | TUBO MANDATA E ASPIRAZIONE SUPERALCOLICI  | SUCTION AND DELIVERY HOSE FOR ALCOHOLIC DRINKS AND PURE ALCOHOL             | TUYAU POUR ASPIRATION ET REFOULEMENT DES SUPER SPIRITUEUX   | SAUG-UND DRUCKSCHLAUCH FÜR SUPER ALKOHOLISCHEN GETRÄNKEN                               | 118 |
|                      | <b>AGRASPIRITS SD/10 - BIIR</b> | TUBO ASPIRAZIONE E MANDATA SUPERALCOLICI-SOTTOSTRATO BIIR                                     | SUCTION AND DELIVERY HOSE FOR ALCOHOLIC DRINKS AND PURE ALCOHOL - BIIR TUBE | TUYAU POUR ASPIRATION ET REFOULEMENT DES SUPER SPIRITUEUX - INTERIEUR EN BIIR                                   | SAUG-UND DRUCKSCHLAUCH FÜR SUPER ALKOHOLISCHEN GETRÄNKEN - BIIR GUMMI                  | 119 |
| <b>AGRADRINK /10</b> | TUBO MANDATA AQUA POTABILE      | DELIVERY HOSE FOR POTABLE WATER   | TUYAU POUR REFOULEMENT D'EAU POTABLE  | DRUCKSCHLAUCH FÜR TRINKWASSER   | 120  |     |
| FATTY FOOD           | <b>AGRAMILK /10</b>             | TUBO MANDATA PRODOTTI ALIMENTARI GRASSI   | DELIVERY HOSE FOR FATTY FOODS   | TUYAU POUR REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS   | DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL   | 121 |
|                      | <b>AGRAMILK SD /10</b>          | TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI GRASSI   | SUCTION AND DELIVERY HOSE FOR FATTY FOODS                                   | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS   | SAUG-UND DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL  | 122 |
|                      | <b>AGRAMILK SD /10 2W</b>       | TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI GRASSI - COPERTURA ONDULATA                    | SUCTION AND DELIVERY HOSE FOR FATTY FOODS - CONVOLUTED                      | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS - REVETEMENT ONDULE                         | SAUG-UND DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL, DECKE GEWELLT                         | 123 |
|                      | <b>AGRAMILK SD /10 2W LITE</b>  | TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI GRASSI ANTISCHIACCIAMENTO - COPERTURA ONDULATA | SUCTION AND DELIVERY HOSE FOR FATTY FOODS - CONVOLUTED - CRUSH RESISTANT    | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS REVETEMENT ONDULE - RESISTANT A L'ECRASMENT | SAUG-UND DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL, DECKE GEWELLT - KNICKSTABIL           | 124 |
|                      | <b>AGRA4ALL SD /10 140°C</b>    | TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI LIQUIDI GENERICI (MULTIUSO)                    | SUCTION AND DELIVERY MULTIPURPOSE FOOD HOSE                                 | TUYAU POUR ASPIRATION ET REFOULEMENT MULTI-USAGE POR LES PRODUITS ALIMENTAIRES.                                 | SAUG- UND DRUCKSCHLAUCH FÜR UNIVERSALLEBENSMITTEL                                      | 125 |
|                      | <b>AGRASTEAM 170°C</b>          | TUBO LAVAGGIO VAPORE - FDA  | FDA WASHDOWN HOSE   | TUYAU FDA POUR LAVAGE   | FDA - DAMPF WASCHENSCHLAUCH  | 126 |
|                      | <b>AGRAOIL SD /10 2W</b>        | TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI IN UHMWPE - COPERTURA ONDULATA                 | UHMWPE SUCTION AND DELIVERY HOSE FOR FOODSTUFFS - CONVOLUTED                | TUYAU EN UHMWPE POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES - REVETEMENT ONDULE                    | SAUG-UND DRUCKSCHLAUCH FÜR LEBENSMITTELPRODUKTE - DECKE GEWELLT - UHMWPE               | 127 |
| DRY FOOD             | <b>AGRACEREAL /10</b>           | TUBO MANDATA PRODOTTI ALIMENTARI SECCHI E ABRASIVI  | DELIVERY HOSE FOR DRY AND ABRASIVE FOODSTUFFS                               | TUYAU POUR REFOULEMENT DES PRODUITS ALIMENTAIRES SECS ET ABRASIFS   | DRUCKSCHLAUCH FÜR TROCKENE ABRASIVE NAHRUNGSMITTEL                                     | 128 |
|                      | <b>AGRACORN SD /10</b>          | TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI SECCHI E ABRASIVI                              | SUCTION AND DELIVERY HOSE FOR DRY AND ABRASIVE FOODSTUFFS                   | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES SECS ET ABRASIFS                                 | SAUG-UND DRUCKSCHLAUCH FÜR TROCKENE ABRASIVE NAHRUNGSMITTEL                            | 129 |
|                      | <b>AGRAFLAT /10</b>             | TUBO APPIATTIBILE SCARICO PRODOTTI ALIMENTARI SECCHI E ABRASIVI                               | LAYFLAT DELIVERY HOSE FOR DRY AND ABRASIVE FOODSTUFFS                       | TUYAU APLATISSABLE POUR REFOULEMENT DES PRODUITS ALIMENTAIRES SECS ET ABRASIFS                                  | FLACHSCHLAUCH FÜR TROCKENE ABRASIVE NAHRUNGSMITTEL                                     | 130 |
|                      | <b>AGRABLOW /10 180°C</b>       | TUBO MANDATA ARIA CALDA PER COMPRESSORI DELLE AUTOCISTERNE                                    | DELIVERY HOSE FOR HOT AIR FOR TRUCK TANKS                                   | TUYAU POUR REFOULEMENT D'AIR CHAUD POUR LES COMPRESSEURS DES CITERNES SUR LES CAMIONS                           | DRUCKSCHLAUCH FÜR HEIßLUFT ZUM KOMPRESSOR BIS TANK                                     | 131 |
|                      | <b>AGRABLOW SD /10 180°C</b>    | TUBO ASPIRAZIONE E MANDATA ARIA CALDA PER COMPRESSORI DELLE AUTOCISTERNE                      | SUCTION AND DELIVERY HOSE FOR HOT AIR FOR TRUCK TANKS                       | TUYAU POUR ASPIRATION ET REFOULEMENT D' AIR CHAUD POUR LES COMPRESSEURS DES CITERNES SUR LES CAMIONS            | SAUG-UND DRUCKSCHLAUCH FÜR HEIßLUFT ZUM KOMPRESSOR BIS TANK                            | 132 |
| CHEMI                | <b>AGRASIL 200°C</b>            | TUBI MANDATA IN SILICONE FDA PER COSMETICA E FARMACEUTICA                                     | DELIVERY SILICON HOSE FDA FOR COSMETIC AND PHARMA INDUSTRY                  | TUYAU POUR REFOULEMENT EN SILICONE FDA DANS LA COSMETIQUE ET PHARMACEUTIQUE                                     | SILIKON DRUCKSCHLAUCH FÜR KOSMETICA UND PHARMAERZEUGNIS - FDA                          | 133 |
|                      | <b>AGRASIL SD 200°C</b>         | TUBI ASPIRAZIONE E MANDATA IN SILICONE FDA PER COSMETICA E FARMACEUTICA                       | SUCTION AND DELIVERY SILICON HOSE FDA FOR COSMETIC AND PHARMA INDUSTRY      | TUYAU POUR ASPIRATION ET REFOULEMENT EN SILICONE FDA DANS LA COSMETIQUE ET PHARMACEUTIQUE                       | SILIKON SAUG-UND DRUCKSCHLAUCH FÜR KOSMETICA UND PHARMAERZEUGNIS -FDA                  | 134 |



# AGRABREW /10

TUBO MANDATA BIRRA | BREWER DELIVERY HOSE  
TUYAU POUR REFOULEMENT DE BIÈRE | DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|--|---|--|
| Mandata di birra, alcolici e bibite gasate  | Delivery hose for beer, wine, alcohol, soft drinks   | Tuyau pour refolement de bière, alcool, boissons gazeuses   | Lebensmittelschlauch, zum Durchleiten von Bier, Wein, Alkohol und alkoholfreien Getränken  |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Bianco, liscio in gomma <b>BIIR</b> (butile), di qualità alimentare, inodore ed insapore                                    | White, smooth <b>BIIR</b> (butyl) rubber compound, food quality odourless and taste free         | Blanc, lisse en caouthchouc <b>BIIR</b> (Butyl), inodore et sans saveur                                 | Weiß, glatt, Lebensmittelqualität <b>BIIR</b> (BROMINE-BUTYL), geruchs- und geschmacksfrei |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Arancione, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | Orange, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> orange, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques. | Orange, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig      |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN   |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, CE 1935/2004  | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, CE 1935/2004                      | FDA titre 21 et article177.2666 (e) pour aliments aqueux, BfR et ADI free, CE 1935/2004                 | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, ADI frei, CE 1935/2004    |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C sterilizzazione a 110°C massimo 30'  | -40°F +248°F sterilization at 230°F for 30 minutes   | -40°C +120°C stérilisation à 110°C pour 30 minutes  | -40°C +120°C Dampfsterilisierung +110°C Für max 30 Minuten                                 |

| ID   |        | OD   |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|------|--------|------|---------|--------|-----|-----|-----|-----|-------------|
| mm   | inch   | mm   | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19   | 3/4    | 32   | 1 1/4   | 0,63   | 10  | 150 | 30  | 450 | 40          |
| 25   | 1      | 37   | 1 29/64 | 0,75   | 10  | 150 | 30  | 450 | 40          |
| 32   | 1 1/4  | 48   | 1 7/8   | 1,17   | 10  | 150 | 30  | 450 | 40          |
| 38   | 1 1/2  | 56   | 2 13/64 | 1,17   | 10  | 150 | 30  | 450 | 40          |
| 51   | 2      | 71   | 2 51/64 | 2,30   | 10  | 150 | 30  | 450 | 40          |
| 63,5 | 2 1/2  | 84,5 | 3 5/16  | 3,08   | 10  | 150 | 30  | 450 | 40          |
| 65   | 2 9/16 | 87   | 3 7/16  | 3,38   | 10  | 150 | 30  | 450 | 40          |
| 76   | 3      | 101  | 3 31/32 | 4,20   | 10  | 150 | 30  | 450 | 40          |
| 102  | 4      | 132  | 5 3/16  | 6,50   | 10  | 150 | 30  | 450 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRABREW**
D
W.P. 10 BAR (150 PSI)
FDA
BfR
ADI FREE

ITALY
 tubi gomma torino



# AGRABREW SD /10

TUBO ASPIRAZIONE E MANDATA BIRRA | BREWER SUCTION AND DELIVERY HOSE  
 TUYAU POUR ASPIRATION ET REFOULEMENT DE BIERE | SAUG-UND DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|--|--|---|
| Aspirazione e mandata di birra, alcolici e bibite gasate  | Suction and delivery hose for beer, wine, alcohol, soft drinks                                   | Tuyau pour aspiration et refoulement de bière, alcool, boissons gazeuses                               | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Bier, Wein, Alkohol und alkoholfreien Getränken |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Bianco, liscio in gomma <b>BIIR</b> (butile), di qualità alimentare, inodore ed insapore                                    | White, smooth <b>BIIR</b> (butyl) rubber compound, food quality odourless and taste free         | Blanc, lisse en caouthchouc <b>BIIR</b> (Butyl), inodore et sans saveur                                | Weiß, glatt, Lebensmittelqualität <b>BIIR</b> (BROMINE-BUTYL), geruchs- und geschmacksfrei                |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                             |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Arancione, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | Orange, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> orange, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Orange, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                     |
| NORME   | SPECIFICATIONS   | NORMES   | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, CE 1935/2004  | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, CE 1935/2004                      | FDA titre 21 et article 177.2666 (e) pour aliments aqueux, BfR et ADI free, CE 1935/2004               | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, ADI frei, CE 1935/2004                   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +120°C sterilizzazione a 110°C massimo 30'  | -40°F +248°F sterilization at 230°F for 30 minutes   | -40°C +120°C stérilisation à 110°C pour 30 minutes   | -40°C +120°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |        | OD  |         | WEIGHT |     | WP  |     | BP  |     | BENDING RADIUS |     | VACUUM |  | COIL LENGTH |  |
|------|--------|-----|---------|--------|-----|-----|-----|-----|-----|----------------|-----|--------|--|-------------|--|
| mm   | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | mm  | bar            | bar | m      |  |             |  |
| 19   | 3/4    | 31  | 1 7/32  | 0,72   | 10  | 150 | 30  | 450 | 80  | 0,9            |     | 40     |  |             |  |
| 25   | 1      | 37  | 1 29/64 | 0,87   | 10  | 150 | 30  | 450 | 115 | 0,9            |     | 40     |  |             |  |
| 32   | 1 1/4  | 44  | 1 23/32 | 1,10   | 10  | 150 | 30  | 450 | 145 | 0,9            |     | 40     |  |             |  |
| 38   | 1 1/2  | 50  | 1 31/32 | 1,45   | 10  | 150 | 30  | 450 | 180 | 0,9            |     | 40     |  |             |  |
| 51   | 2      | 64  | 2 17/32 | 1,88   | 10  | 150 | 30  | 450 | 245 | 0,9            |     | 40     |  |             |  |
| 63,5 | 2 1/2  | 80  | 3 5/32  | 2,74   | 10  | 150 | 30  | 450 | 340 | 0,9            |     | 40     |  |             |  |
| 65   | 2 9/16 | 85  | 3 11/32 | 2,81   | 10  | 150 | 30  | 450 | 350 | 0,9            |     | 40     |  |             |  |
| 76   | 3      | 92  | 3 5/8   | 3,28   | 10  | 150 | 30  | 450 | 410 | 0,9            |     | 40     |  |             |  |
| 102  | 4      | 120 | 4 23/32 | 4,55   | 10  | 150 | 30  | 450 | 580 | 0,9            |     | 40     |  |             |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRABREW**
SD
W.P. 10 BAR (150 PSI)
FDA
BfR
ADI FREE
ITALY
tubi gomma torino



# AGRABREW SD /16 2W

TUBO ASPIRAZIONE E MANDATA BIRRA - COPERTURA ONDULATA  
 BREWER SUCTION AND DELIVERY HOSE, CONVOLUTED  
 TUYAU POUR ASPIRATION ET REFOULEMENT DE BIÈRE - REVETEMENT ONDULÉ  
 SAUGH-UND DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN, DECKE GEWELLT



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Aspirazione e mandata di birra, alcolici e bibite gasate, molto flessibile   | Suction and delivery hose for beer, wine, alcohol, soft drinks, very flexible                        | Tuyau pour aspiration et refoulement de bière, alcool, boissons gazeuses, tres souple                   | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Bier, Wein, Alkohol und alkoholfreien Getränken, schwere Ausführung, hochflexibel |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>BIIR</b> (butile), di qualità alimentare, inodore ed insapore                                     | White, smooth <b>BIIR</b> (butyl) rubber compound, food quality odourless and taste free             | Blanc, lisse en caouthchouc <b>BIIR</b> (Butyl), inodore et sans saveur                                 | Weiß, glatt, Lebensmittelqualität <b>BIIR</b> (BROMINE-BUTYL), geruchs- und geschmacksfrei  |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Arancione, ondulata ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Orange, corrugated, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> orange, ondulé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Orange, gewellt, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig  |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, CE 1935/2004   | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, CE 1935/2004                          | FDA titre 21 et article177.2666 (e) pour aliments aqueux, BfR et ADI free, CE 1935/2004                 | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, ADI frei, CE 1935/2004   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +120°C sterilizzazione a 110°C massimo 30'   | -40°F +248°F sterilization at 230°F for 30 minutes   | -40°C +120°C stérilisation à 110°C pour 30 minutes  | -40°C +120°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,10   | 16  | 232 | 48  | 696 | 116            | 0,9    | 40          |
| 38   | 1 1/2 | 50  | 1 31/32 | 1,45   | 16  | 232 | 48  | 696 | 144            | 0,9    | 40          |
| 51   | 2     | 64  | 2 17/32 | 1,88   | 16  | 232 | 48  | 696 | 196            | 0,9    | 40          |
| 63,5 | 2 1/2 | 76  | 3       | 2,65   | 16  | 232 | 48  | 696 | 272            | 0,9    | 40          |
| 76   | 3     | 90  | 3 35/64 | 3,00   | 16  | 232 | 48  | 696 | 280            | 0,9    | 40          |
| 102  | 4     | 118 | 4 41/64 | 4,30   | 16  | 232 | 48  | 696 | 328            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRABREW /2W**
SD
W.P. 16 BAR (240 PSI)
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BfR
ADI FREE
ITALY
tubi gomma torino



# AGRABREW SD /16 2W LITE

TUBO ASPIRAZIONE E MANDATA BIRRA ANTISCHIACCIAENTO - COPERTURA ONDULATA  
 BREWER SUCTION AND DELIVERY HOSE, CONVOLUTED - CRUSH RESISTANT  
 TUYAU POUR ASPIRATION ET REFOULEMENT DE BIÈRE REVETEMENT ONDULE - RESISTANT A L'ECRASMENT  
 SAUG-UND DRUCKSCHLAUCH FÜR BIER UND ALKOHOLISCHEN GETRÄNKEN, DECKE GEWELLT- KNICKSTABIL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|--|--|--|--|
| Aspirazione e mandata di birra, alcolici e bibite gasate, molto leggero, antischiacciamento                                  | Suction and delivery hose for beer, wine, alcohol, soft drinks, very light, crush resistant          | Tuyau pour aspiration et refolement de bière, alcool, boissons gazeuses, très légère, résistant à l'écrasement | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Bier, Wein, Alkohol und alkoholfreien Getränken, leichte Ausführung, beständig gegen Quetschen |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Bianco, liscio in gomma <b>BIIR</b> (butile), di qualità alimentare, inodore ed insapore                                     | White, smooth <b>BIIR</b> (butyl) rubber compound, food quality odourless and taste free             | Blanc, lisse en caouthchouc <b>BIIR</b> (Butyl), inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>BIIR</b> (BROMINE-BUTYL), geruchs- und geschmacksfrei   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali in poliammide incorporate  | High strength synthetic plies with Nylon spirals   | Nappes synthétiques très résistantes avec spirales en Nylon  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Polamidspirale   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Arancione, ondulata ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Orange, corrugated, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> orange, ondulé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques        | Orange, gewellt, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig   |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN   |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, CE 1935/2004   | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, CE 1935/2004                          | FDA titre 21 et article 177.2666 (e) pour aliments aqueux, BfR et ADI free, CE 1935/2004                       | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, ADI frei, CE 1935/2004  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +100°C sterilizzazione a 110°C massimo 30'   | -40°F +212°F sterilization at 230°F for 30 minutes   | -40 °C +100°C stérilisation à 110°C pour 30 minutes  | -40°C +100°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 32   | 1 1/4 | 44  | 1 47/64 | 0,88   | 16  | 232 | 48  | 696 | 123            | 0,4    | 40          |
| 38   | 1 1/2 | 50  | 1 31/32 | 1,16   | 16  | 232 | 48  | 696 | 153            | 0,4    | 40          |
| 51   | 2     | 64  | 2 17/32 | 1,50   | 16  | 232 | 48  | 696 | 208            | 0,4    | 40          |
| 63,5 | 2 1/2 | 76  | 3       | 2,12   | 16  | 232 | 48  | 696 | 289            | 0,3    | 40          |
| 76   | 3     | 90  | 3 17/32 | 2,40   | 16  | 232 | 48  | 696 | 298            | 0,3    | 40          |
| 102  | 4     | 118 | 4 41/64 | 3,44   | 16  | 232 | 48  | 696 | 349            | 0,3    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRABREW /2W LITE**
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ITALY
 tubi gomma torino



# AGRAWINE /10

TUBO MANDATA LIQUIDI ALIMENTARI NON GRASSI  
 DELIVERY HOSE FOR NOT FATTY FOODS  
 TUYAU POUR REFOULEMENT DES LIQUIDES ALIMENTAIRES NON GRAS  
 DRUCKSCHLAUCH FÜR NICHT FETTIGE FLÜSSIGE LEBENSMITTEL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Mandata di vino, di succhi di frutta, di bevande analcoliche e di bibite gasate.                                       | Delivery hose for wine, fruit juice and soft drinks   | Tuyau pour refolement de vin, jus de fruits et boissons gazeuses                                      | Lebensmittelschlauch, zum Durchleiten von Wein, Fruchtsäften und alkoholfreien Getränken |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Bianco, liscio in gomma <b>EPDM</b> , di qualità alimentare, inodore ed insapore                                       | White, smooth <b>EPDM</b> rubber compound, food quality odourless and taste free              | Blanc, lisse en caouthouc <b>EPDM</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>EPDM</b> , geruchs- und geschmacksfrei              |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Rossa, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Red, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> rouge, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Rot, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig       |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, CE 1935/2004                                       | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, CE 1935/2004                   | FDA titre 21 et article177.2666 (e) pour aliments aqueux, BfR et ADI free, CE 1935/2004               | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, ADI frei, CE 1935/2004  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C sterilizzazione a 110°C massimo 30'   | -40°F +248°F sterilization at 230°F for 30 minutes  | -40°C +120°C stérilisation à 110°C pour 30 minutes  | -40°C +120°C Dampfsterilisierung +110°C Für max 30 Minuten                               |

| ID   |        | OD   |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|------|--------|------|---------|--------|-----|-----|-----|-----|-------------|
| mm   | inch   | mm   | inch    | kg/m   | bar | psi | bar | psi | m           |
| 13   | 1/2    | 23   | 29/32   | 0,31   | 10  | 150 | 30  | 450 | 40          |
| 19   | 3/4    | 29   | 1 9/64  | 0,45   | 10  | 150 | 30  | 450 | 40          |
| 25   | 1      | 35   | 1 3/8   | 0,59   | 10  | 150 | 30  | 450 | 40          |
| 30   | 1 3/16 | 41   | 1 5/8   | 0,80   | 10  | 150 | 30  | 450 | 40          |
| 32   | 1 1/4  | 43   | 1 11/16 | 0,90   | 10  | 150 | 30  | 450 | 40          |
| 38   | 1 1/2  | 51   | 2       | 1,20   | 10  | 150 | 30  | 450 | 40          |
| 40   | 1 9/16 | 54   | 2 1/8   | 1,40   | 10  | 150 | 30  | 450 | 40          |
| 51   | 2      | 65   | 2 9/16  | 1,90   | 10  | 150 | 30  | 450 | 40          |
| 63,5 | 2 1/2  | 81,5 | 3 7/32  | 2,95   | 10  | 150 | 30  | 450 | 40          |
| 65   | 2 9/16 | 87   | 3 7/16  | 3,65   | 10  | 150 | 30  | 450 | 40          |
| 76   | 3      | 101  | 3 3/32  | 4,65   | 10  | 150 | 30  | 450 | 40          |
| 102  | 4      | 132  | 5 3/16  | 6,20   | 10  | 150 | 30  | 450 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRAWINE**

W.P. 10 BAR (150 PSI)



ITALY



tubi gomma torino



# AGRAWINE SD /10

TUBO ASPIRAZIONE E MANDATA LIQUIDI ALIMENTARI NON GRASSI  
 SUCTION AND DELIVERY HOSE FOR NOT FATTY FOODS  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES LIQUIDES ALIMENTAIRES NON GRAS  
 SAUG-UND DRUCKSCHLAUCH FÜR NICHT FETTIGE FLÜSSIGE LEBENSMITTEL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Aspirazione e mandata di vino, di succhi di frutta, di bevande analcoliche e di bibite gasate.                         | Suction and delivery hose for wine, fruit juice and soft drinks                               | Tuyau pour aspiration et refoulement de vin, jus de fruits et boissons gazeuses                       | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Wein, Fruchtsäften und alkoholfreien Getränken |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Bianco, liscio in gomma <b>EPDM</b> , di qualità alimentare, inodore ed insapore                                       | White, smooth <b>EPDM</b> rubber compound, food quality odourless and taste free              | Blanc, lisse en caoutchouc <b>EPDM</b> , inodore et sans saveur                                       | Weiß, glatt, Lebensmittelqualität <b>EPDM</b> , geruchs- und geschmacksfrei                              |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                            |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Rossa, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Red, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> rouge, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Rot, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                       |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, CE 1935/2004                                       | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, CE 1935/2004                   | FDA titre 21 et article 177.2666 (e) pour aliments aqueux, BfR et ADI free, CE 1935/2004              | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, ADI frei, CE 1935/2004                  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +120°C sterilizzazione a 110°C massimo 30'   | -40°F +248°F sterilization at 230°F for 30 minutes  | -40°C +120°C stérilisation à 110°C pour 30 minutes  | -40°C +120°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID   |        | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|--------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4    | 29  | 1 9/64  | 0,67   | 10  | 150 | 30  | 450 | 80             | 0,9    | 40          |
| 25   | 1      | 35  | 1 3/8   | 0,80   | 10  | 150 | 30  | 450 | 125            | 0,9    | 40          |
| 30   | 1 3/16 | 42  | 1 21/32 | 1,11   | 10  | 150 | 30  | 450 | 150            | 0,9    | 40          |
| 32   | 1 1/4  | 44  | 1 23/32 | 1,23   | 10  | 150 | 30  | 450 | 160            | 0,9    | 40          |
| 38   | 1 1/2  | 50  | 1 31/32 | 1,38   | 10  | 150 | 30  | 450 | 190            | 0,9    | 40          |
| 40   | 1 9/16 | 52  | 2 1/16  | 1,41   | 10  | 150 | 30  | 450 | 200            | 0,9    | 40          |
| 51   | 2      | 64  | 2 17/32 | 1,88   | 10  | 150 | 30  | 450 | 255            | 0,9    | 40          |
| 60   | 2 3/8  | 73  | 2 7/8   | 2,24   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40          |
| 63,5 | 2 1/2  | 77  | 3 1/32  | 2,60   | 10  | 150 | 30  | 450 | 320            | 0,9    | 40          |
| 65   | 2 9/16 | 79  | 3 7/64  | 2,66   | 10  | 150 | 30  | 450 | 325            | 0,9    | 40          |
| 70   | 2 3/4  | 83  | 3 9/32  | 2,86   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40          |
| 76   | 3      | 89  | 3 1/2   | 3,00   | 10  | 150 | 30  | 450 | 390            | 0,9    | 40          |
| 80   | 3 5/32 | 93  | 3 21/32 | 3,17   | 10  | 150 | 30  | 450 | 440            | 0,9    | 40          |
| 90   | 3 1/2  | 104 | 4 3/32  | 4,08   | 10  | 150 | 30  | 450 | 500            | 0,9    | 40          |
| 102  | 4      | 116 | 4 9/16  | 4,60   | 10  | 150 | 30  | 450 | 560            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

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ITALY
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# AGRASPIRITS SD /10

TUBO MANDATA E ASPIRAZIONE SUPERALCOLICI  
 SUCTION AND DELIVERY HOSE FOR ALCOHOLIC DRINKS AND PURE ALCOHOL  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES SUPER SPIRITUEUX  
 SAUG-UND DRUCKSCHLAUCH FÜR SUPER ALKOHOLISCHEN GETRÄNKEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|---|---|---|
| Aspirazione e mandata di bevande superalcoliche fino a 96°, birra, vino, acqua potabile, ecc.                           | Suction and delivery hose for alcohols up to 96°, wine, beer, potable water, etc                | Tuyau pour aspiration et refoulement de alcools jusqu'à 96°, vin, bière, eau potable, etc.                            | Lebensmittel-Saug- und Druckschlauch, für alkoholische Getränke bis 96% Alkoholgehalt sowie Wein, Bier, Trinkwasser, usw. |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Traslucido chiaro in <b>UHMWPE</b> (polietilene ad alto peso molecolare) di qualità alimentare, inodore ed insapore     | Clear, translucent, <b>UHMWPE</b> food quality odourless and taste free                         | Clair, translucide, <b>UHMWPE</b> (polyéthylène à haut poids moléculaire) qualité alimentaire, inodore et sans saveur | Klar, durchscheinend, Lebensmittelqualität <b>UHMWPE</b> , geruchs- und geschmacksfrei                                    |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Bianca, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | White, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> blanc, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques                 | Weiß, stoffgemustert, <b>EPDM</b> -Mischung, Abrieb-, Ozon- und Witterungsbeständig                                       |
| NORME   | SPECIFICATIONS  | NORMES  | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, KTW, CE 1935/2004   | FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, CE 1935/2004                          | FDA titre 21 et article177.2666 (e) pour aliments aqueux, BfR et KTW, CE 1935/2004                                    | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, KTW, CE 1935/2004  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -20°C +100°C sterilizzazione a 110°C massimo 30'  | -4°F +212°F sterilization at 230°F for 30 minutes   | -20 °C +100°C stérilisation à 110°C pour 30 minutes   | -20°C +100°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,71   | 10  | 150 | 30  | 450 | 180            | 0,9    | 40          |
| 25   | 1     | 37  | 1 29/64 | 0,87   | 10  | 150 | 30  | 450 | 210            | 0,9    | 40          |
| 32   | 1 1/4 | 44  | 1 23/32 | 1,07   | 10  | 150 | 30  | 450 | 240            | 0,9    | 40          |
| 38   | 1 1/2 | 51  | 2       | 1,35   | 10  | 150 | 30  | 450 | 320            | 0,9    | 40          |
| 51   | 2     | 67  | 2 41/64 | 2,29   | 10  | 150 | 30  | 450 | 390            | 0,9    | 40          |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,51   | 10  | 150 | 30  | 450 | 410            | 0,9    | 40          |
| 76   | 3     | 92  | 3 5/8   | 3,08   | 10  | 150 | 30  | 450 | 500            | 0,9    | 40          |
| 102  | 4     | 118 | 4 41/64 | 4,51   | 10  | 150 | 30  | 450 | 625            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG







# AGRASPIRITS SD /10 - BIIR

TUBO ASPIRAZIONE E MANDATA SUPERALCOLICI- SOTTOSTRATO BIIR  
 SUCTION AND DELIVERY HOSE FOR ALCOHOLIC DRINKS AND PURE ALCOHOL- BIIR TUBE  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES SUPER SPIRITUEUX - INTERIEUR EN BIIR  
 SAUG-UND DRUCKSCHLAUCH FÜR SUPER ALKOHOLISCHEN GETRÄNKEN - BIIR GUMMI



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|---|--|---|
| Aspirazione e mandata di bevande superalcoliche fino a 96°, birra, vino, acqua potabile, ecc.                            | Suction and delivery hose for alcohols up to 96°, wine, beer, potable water, etc                | Tuyau pour aspiration et refolement de alcools jusqu'à 96°, vin, bière, eau potable, etc.              | Lebensmittel-Saug- und Druckschlauch, für alkoholische Getränke bis 96% Alkoholgehalt sowie Wein, Bier, Trinkwasser, usw. |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Bianco, liscio in gomma <b>BIIR</b> (butile), di qualità alimentare, inodore ed insapore                                 | White, smooth <b>BIIR</b> (butyl) rubber compound, food quality odourless and taste free        | Blanc, lisse en caouthouc <b>BIIR</b> (Butyl), inodore et sans saveur                                  | Weiß, glatt, Lebensmittelqualität <b>BIIR</b> (BROMINE-BUTYL), geruchs- und geschmacksfrei                                |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Bianca, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | White, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> blanc, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques. | Weiß, stoffgemustert, <b>EPDM</b> -Mischung, Abrieb-, Ozon- und Witterungsbeständig                                       |
| NORME  | SPECIFICATIONS  | NORMES   | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, KTW, CE 1935/2004  | FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, CE 1935/2004                          | FDA titre 21 et article 177.2666 (e) pour aliments aqueux, BfR et KTW, CE 1935/2004                    | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, KTW, CE 1935/2004  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +100°C sterilizzazione a 110°C massimo 30'   | -40°F +212°F sterilization at 230°F for 30 minutes  | -40 °C +100°C stérilisation à 110°C pour 30 minutes  | -40°C +100°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |       | OD  |         | WEIGHT |     | WP  |     | BP  |     | BENDING RADIUS |    | VACUUM |    | COIL LENGTH |  |
|------|-------|-----|---------|--------|-----|-----|-----|-----|-----|----------------|----|--------|----|-------------|--|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm  | bar            | mm | bar    | m  |             |  |
| 19   | 3/4   | 31  | 1 7/32  | 0,71   | 10  | 150 | 30  | 450 | 80  | 0,9            |    | 0,9    | 40 |             |  |
| 25   | 1     | 37  | 1 29/64 | 0,87   | 10  | 150 | 30  | 450 | 115 | 0,9            |    | 0,9    | 40 |             |  |
| 32   | 1 1/4 | 44  | 1 23/32 | 1,07   | 10  | 150 | 30  | 450 | 145 | 0,9            |    | 0,9    | 40 |             |  |
| 38   | 1 1/2 | 51  | 2       | 1,35   | 10  | 150 | 30  | 450 | 180 | 0,9            |    | 0,9    | 40 |             |  |
| 51   | 2     | 67  | 2 41/64 | 2,29   | 10  | 150 | 30  | 450 | 245 | 0,9            |    | 0,9    | 40 |             |  |
| 63,5 | 2 1/2 | 80  | 3 5/32  | 2,51   | 10  | 150 | 30  | 450 | 340 | 0,9            |    | 0,9    | 40 |             |  |
| 76   | 3     | 92  | 3 5/8   | 3,08   | 10  | 150 | 30  | 450 | 410 | 0,9            |    | 0,9    | 40 |             |  |
| 102  | 4     | 118 | 4 41/64 | 4,51   | 10  | 150 | 30  | 450 | 580 | 0,9            |    | 0,9    | 40 |             |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# AGRADRINK /10

TUBO MANDATA AQUA POTABILE | DELIVERY HOSE FOR POTABLE WATER  
TUYAU POUR REFOULEMENT D'EAU POTABLE | DRUCKSCHLAUCH FÜR TRINKWASSER



|   |   |   |  |
|---|---|---|--|
| <b>APPLICAZIONE</b>   | <b>APPLICATION</b>  | <b>APPLICATION</b>  | <b>ANWENDUNG</b>   |
| Mandata di acqua potabile, succhi di frutta, ecc.   | Delivery hose for potable water, fruit juice etc  | Tuyau pour refoulement d' eau potable, jus de fruits, etc.  | Lebensmittelschlauch, zum Durchleiten von Trinkwasser, Fruchtsäften, usw.              |
| <b>SOTTOSTRATO</b>  | <b>TUBE</b>   | <b>TUBE INTERIEUR</b>   | <b>INNENSEELE</b>  |
| Traslucido chiaro in <b>UHMWPE</b> (polietilene ad alto peso molecolare) di qualità alimentare, inodore ed insapore     | Clear, translucent, <b>UHMWPE</b> food quality odourless and taste free                         | Clair, translucide, <b>UHMWPE</b> (polyéthylène à haut poids moléculaire) qualité alimentaire, inodore et sans saveur | Klar, durchscheinend, Lebensmittelqualität <b>UHMWPE</b> , geruchs- und geschmacksfrei |
| <b>RINFORZO</b>   | <b>REINFORCEMENT</b>  | <b>ARMATURE</b>   | <b>EINLAGEN</b>  |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| <b>COPERTURA</b>  | <b>COVER</b>  | <b>RETEMENT EXTERIEUR</b>   | <b>DECKE</b>   |
| Verde, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | Green, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> vert, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques.                 | Grün, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig    |
| <b>NORME</b>  | <b>SPECIFICATIONS</b>   | <b>NORMES</b>   | <b>NORMEN</b>  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, KTW, CE 1935/2004   | FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, CE 1935/2004                          | FDA titre 21 et article 177.2666 (e) pour aliments aqueux, BfR et KTW, CE 1935/2004                                   | FDA Titel 21 Art. 177.2600 (e) für flüssige Nahrungsmittel, BfR, KTW, CE 1935/2004     |
| <b>TEMPERATURA D'ESERCIZIO</b>  | <b>WORKING TEMPERATURE</b>  | <b>TEMPERATURE</b>  | <b>BETRIEBSTEMPERATUR</b>  |
| -20°C +100°C sterilizzazione a 110°C massimo 30'  | -4°F +212°F sterilization at 230°F for 30 minutes   | -20 °C +100°C stérilisation à 110°C pour 30 minutes   | -20°C +100°C Dampfsterilisierung +110°C Für max 30 Minuten                             |

| ID   | OD    | WEIGHT | WP      | BP   | COIL LENGTH |     |     |     |    |
|------|-------|--------|---------|------|-------------|-----|-----|-----|----|
| mm   | inch  | mm     | inch    | kg/m | bar         | psi | bar | psi | m  |
| 19   | 3/4   | 31     | 1 7/32  | 0,39 | 10          | 150 | 30  | 450 | 40 |
| 25   | 1     | 37     | 1 29/64 | 0,52 | 10          | 150 | 30  | 450 | 40 |
| 32   | 1 1/4 | 44     | 1 23/32 | 0,85 | 10          | 150 | 30  | 450 | 40 |
| 38   | 1 1/2 | 51     | 2       | 1,24 | 10          | 150 | 30  | 450 | 40 |
| 51   | 2     | 67     | 2 41/64 | 1,63 | 10          | 150 | 30  | 450 | 40 |
| 63,5 | 2 1/2 | 80     | 3 5/32  | 2,05 | 10          | 150 | 30  | 450 | 40 |
| 76   | 3     | 92     | 3 5/8   | 2,90 | 10          | 150 | 30  | 450 | 40 |
| 102  | 4     | 118    | 4 41/64 | 3,46 | 10          | 150 | 30  | 450 | 40 |

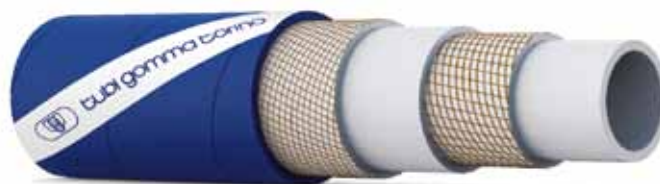
IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRADRINK** **W.P. 10 BAR (150 PSI)** **ITALY** **tubi gomma torino**



# AGRAMILK /10

TUBO MANDATA PRODOTTI ALIMENTARI GRASSI | DELIVERY HOSE FOR FATTY FOODS  
TUYAU POUR REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS | DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|---|--|---|
| Mandata di latte e prodotti alimentari grassi  | Delivery hose for milk and fatty foods  | Tuyau pour refoulement du lait et produits alimentaires gras   | Lebensmittelschlauch, zum Durchleiten von Milch und fetthaltigen Nahrungsmitteln                        |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Bianco, liscio in gomma <b>NBR</b> , di qualità alimentare, inodore ed insapore                                      | White, smooth <b>NBR</b> rubber compound, food quality odourless and taste free               | Blanc, lisse en caouthouc <b>NBR</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>NBR</b> , geruchs- und geschmacksfrei                              |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Blu, liscia ad impressione tela in gomma <b>NBR</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici. | Blue, smooth, cloth impression <b>NBR</b> rubber, resistant to abrasion, ozone and weathering | <b>NBR</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques. | Blau, stoffgemustert, <b>NBR</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                      |
| NORME  | SPECIFICATIONS  | NORMES   | NORMEN  |
| FDA titolo 21 art. 177.2600 (f) per alimenti grassi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004                      | FDA title 21 art. 177.2600 (f) for fatty foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004    | FDA titre 21 et article 177.2666 (f) pour aliments gras, BfR et ADI free, D.M.21/03/73, CE 1935/2004 | FDA Titel 21 Art. 177.2600 (f) für fetthaltige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004 |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +80°C sterilizzazione a 110°C massimo 30'  | -40°F +176°F sterilization at 230°F for 30 minutes  | -40°C +80°C stérilisation à 110°C pour 30 minutes  | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID   |        | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|------|--------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm   | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19   | 3/4    | 29  | 1 9/64  | 0,67   | 10  | 150 | 30  | 450 | 40          |
| 25   | 1      | 35  | 1 3/8   | 0,80   | 10  | 150 | 30  | 450 | 40          |
| 30   | 1 3/16 | 42  | 1 21/32 | 1,11   | 10  | 150 | 30  | 450 | 40          |
| 32   | 1 1/4  | 44  | 1 23/32 | 1,23   | 10  | 150 | 30  | 450 | 40          |
| 38   | 1 1/2  | 50  | 1 31/32 | 1,38   | 10  | 150 | 30  | 450 | 40          |
| 40   | 1 9/16 | 52  | 2 1/16  | 1,41   | 10  | 150 | 30  | 450 | 40          |
| 51   | 2      | 64  | 2 17/32 | 1,88   | 10  | 150 | 30  | 450 | 40          |
| 60   | 2 3/8  | 73  | 2 7/8   | 2,24   | 10  | 150 | 30  | 450 | 40          |
| 63,5 | 2 1/2  | 77  | 3 1/32  | 2,60   | 10  | 150 | 30  | 450 | 40          |
| 65   | 2 9/16 | 79  | 3 7/64  | 2,66   | 10  | 150 | 30  | 450 | 40          |
| 70   | 2 3/4  | 83  | 3 9/32  | 2,86   | 10  | 150 | 30  | 450 | 40          |
| 76   | 3      | 89  | 3 1/2   | 3,00   | 10  | 150 | 30  | 450 | 40          |
| 80   | 3 5/32 | 93  | 3 21/32 | 3,17   | 10  | 150 | 30  | 450 | 40          |
| 90   | 3 1/2  | 104 | 4 3/32  | 4,08   | 10  | 150 | 30  | 450 | 40          |
| 102  | 4      | 116 | 4 9/16  | 4,60   | 10  | 150 | 30  | 450 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



# AGRAMILK SD /10

TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI GRASSI  
 SUCTION AND DELIVERY HOSE FOR FATTY FOODS  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS  
 SAUG-UND DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|---|--|---|
| Aspirazione e mandata di latte e prodotti alimentari grassi   | Suction and delivery hose for milk and fatty foods  | Tuyau pour aspiration et refolement de lait et produits alimentaires gras                            | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Milch und fetthaltigen Nahrungsmitteln        |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Bianco, liscio in gomma <b>NBR</b> , di qualità alimentare, inodore ed insapore                                     | White, smooth <b>NBR</b> rubber compound, food quality odourless and taste free               | Blanc, lisse en caouthouc <b>NBR</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>NBR</b> , geruchs- und geschmacksfrei                              |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques                                       | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                           |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Blu, liscia ad impressione tela in gomma <b>NBR</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Blue, smooth, cloth impression <b>NBR</b> rubber, resistant to abrasion, ozone and weathering | <b>NBR</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques  | Blau, stoffgemustert, <b>NBR</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                      |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN  |
| FDA titolo 21 art. 177.2600 (f) per alimenti grassi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004                     | FDA title 21 art. 177.2600 (f) for fatty foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004    | FDA titre 21 et article 177.2666 (f) pour aliments gras, BfR et ADI free, D.M.21/03/73, CE 1935/2004 | FDA Titel 21 Art. 177.2600 (f) für fetthaltige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004 |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +80°C sterilizzazione a 110°C massimo 30'   | -40°F +176°F sterilization at 230°F for 30 minutes  | -40°C +80°C stérilisation à 110°C pour 30 minutes  | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID   |        | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|--------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4    | 29  | 1 9/64  | 0,67   | 10  | 150 | 30  | 450 | 80             | 0,9    | 40          |
| 25   | 1      | 35  | 1 3/8   | 0,80   | 10  | 150 | 30  | 450 | 125            | 0,9    | 40          |
| 30   | 1 3/16 | 42  | 1 21/32 | 1,11   | 10  | 150 | 30  | 450 | 150            | 0,9    | 40          |
| 32   | 1 1/4  | 44  | 1 23/32 | 1,23   | 10  | 150 | 30  | 450 | 160            | 0,9    | 40          |
| 38   | 1 1/2  | 50  | 1 31/32 | 1,38   | 10  | 150 | 30  | 450 | 190            | 0,9    | 40          |
| 40   | 1 9/16 | 52  | 2 1/16  | 1,41   | 10  | 150 | 30  | 450 | 200            | 0,9    | 40          |
| 51   | 2      | 64  | 2 17/32 | 1,88   | 10  | 150 | 30  | 450 | 255            | 0,9    | 40          |
| 60   | 2 3/8  | 73  | 2 7/8   | 2,24   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40          |
| 63,5 | 2 1/2  | 77  | 3 1/32  | 2,60   | 10  | 150 | 30  | 450 | 320            | 0,9    | 40          |
| 65   | 2 9/16 | 79  | 3 7/64  | 2,66   | 10  | 150 | 30  | 450 | 325            | 0,9    | 40          |
| 70   | 2 3/4  | 83  | 3 9/32  | 2,86   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40          |
| 76   | 3      | 89  | 3 1/2   | 3,00   | 10  | 150 | 30  | 450 | 390            | 0,9    | 40          |
| 80   | 3 5/32 | 93  | 3 21/32 | 3,17   | 10  | 150 | 30  | 450 | 440            | 0,9    | 40          |
| 90   | 3 1/2  | 104 | 4 3/32  | 4,08   | 10  | 150 | 30  | 450 | 500            | 0,9    | 40          |
| 102  | 4      | 116 | 4 9/16  | 4,60   | 10  | 150 | 30  | 450 | 560            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

SD
W.P. 10 BAR (150 PSI)
FDA
BfR
D.M. 21/03/73
ADI FREE
ITALY



# AGRAMILK SD /10 2W

TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI GRASSI - COPERTURA ONDULATA  
 SUCTION AND DELIVERY HOSE FOR FATTY FOODS - CONVOLUTED  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS - REVETEMENT ONDULE  
 SAUG-UND DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL, DECKE GEWELLT



|   |   |  |  |
|---|---|--|--|
| <b>APPLICAZIONE</b>   | <b>APPLICATION</b>  | <b>APPLICATION</b>   | <b>ANWENDUNG</b>   |
| Aspirazione e mandata di latte e prodotti alimentari grassi, molto flessibile   | Suction and delivery hose for milk and fatty foods, very flexible                                 | Tuyau pour aspiration et refolement du lait et produits alimentaires gras, très souple               | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Milch und fetthaltigen Nahrungsmitteln, hochflexibel |
| <b>SOTTOSTRATO</b>  | <b>TUBE</b>   | <b>TUBE INTERIEUR</b>  | <b>INNENSEELE</b>  |
| Bianco, liscio in gomma <b>NBR</b> , di qualità alimentare, inodore ed insapore                                       | White, smooth <b>NBR</b> rubber compound, food quality odourless and taste free                   | Blanc, lisse en caouthchouc <b>NBR</b> , inodore et sans saveur                                      | Weiß, glatt, Lebensmittelqualität <b>NBR</b> , geruchs- und geschmacksfrei                                     |
| <b>RINFORZO</b>   | <b>REINFORCEMENT</b>  | <b>ARMATURE</b>  | <b>EINLAGEN</b>  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques                                       | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                                  |
| <b>COPERTURA</b>  | <b>COVER</b>  | <b>REVETEMENT EXTERIEUR</b>  | <b>DECKE</b>   |
| Blu, ondulata ad impressione tela in gomma <b>NBR</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Blue, corrugated, cloth impression <b>NBR</b> rubber, resistant to abrasion, ozone and weathering | <b>NBR</b> bleu, ondulé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Blau, gewellt, stoffgemustert, <b>NBR</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                    |
| <b>NORME</b>  | <b>SPECIFICATIONS</b>   | <b>NORMES</b>  | <b>NORMEN</b>  |
| FDA titolo 21 art. 177.2600 (f) per alimenti grassi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004                       | FDA title 21 art. 177.2600 (f) for fatty foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004        | FDA titre 21 et article 177.2666 (f) pour aliments gras, BfR et ADI free, D.M.21/03/73, CE 1935/2004 | FDA Titel 21 Art. 177.2600 (f) für fetthaltige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004        |
| <b>TEMPERATURA D'ESERCIZIO</b>  | <b>WORKING TEMPERATURE</b>  | <b>TEMPERATURE</b>   | <b>BETRIEBSTEMPERATUR</b>  |
| -40°C +80°C sterilizzazione a 110°C massimo 30'   | -40°F +176°F sterilization at 230°F for 30 minutes  | -40°C +80°C stérilisation à 110°C pour 30 minutes  | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   | OD    | WEIGHT |     | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |  |
|------|-------|--------|-----|-----|-----|-----|-----|----------------|--------|-------------|--|
| mm   | inch  | kg/m   | bar | psi | bar | psi | mm  | bar            | m      |             |  |
| 32   | 1 1/4 | 1,30   | 10  | 150 | 30  | 450 | 80  | 0,9            | 40     |             |  |
| 38   | 1 1/2 | 1,42   | 10  | 150 | 30  | 450 | 125 | 0,9            | 40     |             |  |
| 51   | 2     | 1,93   | 10  | 150 | 30  | 450 | 150 | 0,9            | 40     |             |  |
| 63,5 | 2 1/2 | 3,00   | 10  | 150 | 30  | 450 | 160 | 0,9            | 40     |             |  |
| 76   | 3     | 3,50   | 10  | 150 | 30  | 450 | 190 | 0,9            | 40     |             |  |
| 102  | 4     | 5,00   | 10  | 150 | 30  | 450 | 200 | 0,9            | 40     |             |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRAMILK /2W**
**SD**
**W.P. 10 BAR (150 PSI)**
**FDA**
**BfR**
**D.M. 21/03/73**
**ADI FREE**

**ITALY**
 **tubi gomma torino**



# AGRAMILK SD /10 2W LITE

TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI GRASSI ANTISCHIACCIAMENTO - COPERTURA ONDULATA  
 SUCTION AND DELIVERY HOSE FOR FATTY FOODS- CONVOLUTED- CRUSH RESISTANT  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES GRAS - RESISTANT A L'ECRASEMENT  
 SAUG-UND DRUCKSCHLAUCH FÜR FETTIGE LEBENSMITTEL, DECKE GEWELLT- KNICKSTABIL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|--|---|--|
| Aspirazione e mandata di latte e prodotti alimentari grassi, molto leggero, antischiacciamento                       | Suction and delivery hose for milk and fatty foods, very light, crush resistant                  | Tuyau pour aspiration et refolement du lait et produits alimentaires gras, très légère, résistant à l'écroulement | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von Milch und fetthaltigen Nahrungsmitteln, leichte Ausführung, hochflexibel |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Bianco, liscio in gomma <b>NR</b> , di qualità alimentare, inodore ed insapore                                       | White, smooth <b>NR</b> rubber compound, food quality odourless and taste free                   | Blanc, lisse en caouthchouc <b>NR</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>NR</b> , geruchs- und geschmacksfrei  |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali in poliammide incorporate  | High strength synthetic plies with Nylon spirals   | Nappes synthétiques très résistantes avec spirales en Nylon   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Polyamidspirale  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Blu, ondulata ad impressione tela in gomma <b>NR</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Blue, corrugated, cloth impression <b>NR</b> rubber, resistant to abrasion, ozone and weathering | <b>NR</b> bleu, ondulé, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques               | Blau, gewellt, stoffgemustert, <b>NR</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig   |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN   |
| FDA titolo 21 art. 177.2600 (f) per alimenti grassi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004                      | FDA title 21 art. 177.2600 (f) for fatty foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004       | FDA titre 21 et article 177.2666 (f) pour aliments gras, BfR et ADI free, D.M.21/03/73, CE 1935/2004              | FDA Titel 21 Art. 177.2600 (f) für fetthaltige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004                            |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C +80°C sterilizzazione a 110°C massimo 30'  | -40°F +176°F sterilization at 230°F for 30 minutes   | -40°C +80°C stérilisation à 110°C pour 30 minutes   | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,04   | 10  | 150 | 30  | 450 | 96             | 0,4    | 40          |
| 38   | 1 1/2 | 50  | 1 31/32 | 1,14   | 10  | 150 | 30  | 450 | 150            | 0,4    | 40          |
| 51   | 2     | 64  | 2 17/32 | 1,54   | 10  | 150 | 30  | 450 | 180            | 0,4    | 40          |
| 63,5 | 2 1/2 | 76  | 3       | 2,40   | 10  | 150 | 30  | 450 | 192            | 0,3    | 40          |
| 76   | 3     | 90  | 3 17/32 | 2,80   | 10  | 150 | 30  | 450 | 228            | 0,3    | 40          |
| 102  | 4     | 118 | 4 41/64 | 4,00   | 10  | 150 | 30  | 450 | 240            | 0,3    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRAMILK /2W LITE** **SD** **W.P. 10 BAR (150 PSI)** **FDA** **BfR** **D.M. 21/03/73** **ADI FREE** **ITALY** **tubi gamma torino**



# AGRA4ALL SD /10 140°C

TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI LIQUIDI GENERICI (MULTIUSO)  
 SUCTION AND DELIVERY MULTIPURPOSE FOOD HOSE  
 TUYAU POUR ASPIRATION ET REFOULEMENT MULTI-USAGE POUR LES PRODUITS ALIMENTAIRES  
 SAUG- UND DRUCKSCHLAUCH FÜR UNIVERSALLEBENSMITTEL



|  |  |   |   |
|--|--|---|---|
| <b>APPLICAZIONE</b>  | <b>APPLICATION</b>   | <b>APPLICATION</b>  | <b>ANWENDUNG</b>  |
| Aspirazione e mandata multi uso, per prodotti alimentari grassi, vino, birra, alcolici, acqua potabile, ecc.         | Suction and delivery multipurpose hose, for fatty foods, wine, beer, potable water, etc        | Tuyau pour aspiration et refoulement multi usage, por les produits alimentaires gras, vin, bier, eau potable, etc | Universal-Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von fetthaltigen Nahrungsmitteln, Wein, Bier, Trinkwasser, usw. |
| <b>SOTTOSTRATO</b>   | <b>TUBE</b>  | <b>TUBE INTERIEUR</b>   | <b>INNENSEELE</b>   |
| Bianco, liscio in gomma <b>EPDM</b> , di qualità alimentare, inodore ed insapore                                     | White, smooth <b>EPDM</b> rubber compound, food quality odourless and taste free               | Blanc, lisse en caouthchouc <b>EPDM</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>EPDM</b> , geruchs- und geschmacksfrei   |
| <b>RINFORZO</b>  | <b>REINFORCEMENT</b>   | <b>ARMATURE</b>   | <b>EINLAGEN</b>   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale   |
| <b>COPERTURA</b>   | <b>COVER</b>   | <b>REVETEMENT EXTERIEUR</b>   | <b>DECKE</b>  |
| Blu, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Blue, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques              | Blau, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig   |
| <b>NORME</b>   | <b>SPECIFICATIONS</b>  | <b>NORMES</b>   | <b>NORMEN</b>   |
| FDA titolo 21 art. 177.2600 (f) per alimenti grassi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004                      | FDA title 21 art. 177.2600 (f) for fatty foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004     | FDA titre 21 et article 177.2666 (f) pour aliments gras, BfR et ADI free, D.M.21/03/73, CE 1935/2004              | FDA Titel 21 Art. 177.2600 (f) für fetthaltige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004                         |
| <b>TEMPERATURA D'ESERCIZIO</b>   | <b>WORKING TEMPERATURE</b>   | <b>TEMPERATURE</b>  | <b>BETRIEBSTEMPERATUR</b>   |
| -40°C +140°C sterilizzazione a 110°C massimo 30'   | -40°F +284°F sterilization at 230°F for 30 minutes   | -40°C +140°C stérilisation à 110°C pour 30 minutes  | -40°C +140°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |         | OD  |         | WEIGHT |     | WP  |     | BP  |     | BENDING RADIUS |     | VACUUM |  | COIL LENGTH |  |
|------|---------|-----|---------|--------|-----|-----|-----|-----|-----|----------------|-----|--------|--|-------------|--|
| mm   | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm  | bar            | bar | m      |  |             |  |
| 19   | 3/4     | 29  | 1 9/64  | 0,67   | 10  | 150 | 30  | 450 | 80  | 0,9            |     | 40     |  |             |  |
| 25   | 1       | 35  | 1 3/8   | 0,80   | 10  | 150 | 30  | 450 | 125 | 0,9            |     | 40     |  |             |  |
| 30   | 1 3/16  | 42  | 1 31/32 | 1,11   | 10  | 150 | 30  | 450 | 150 | 0,9            |     | 40     |  |             |  |
| 32   | 1 1/4   | 44  | 1 47/64 | 1,23   | 10  | 150 | 30  | 450 | 160 | 0,9            |     | 40     |  |             |  |
| 38   | 1 1/2   | 50  | 1 31/32 | 1,38   | 10  | 150 | 30  | 450 | 190 | 0,9            |     | 40     |  |             |  |
| 40   | 1 9/16  | 52  | 2 1/16  | 1,41   | 10  | 150 | 30  | 450 | 200 | 0,9            |     | 40     |  |             |  |
| 45   | 1 25/32 | 57  | 2 1/4   | 1,62   | 10  | 150 | 30  | 450 | 230 | 0,9            |     | 40     |  |             |  |
| 51   | 2       | 64  | 2 17/32 | 1,88   | 10  | 150 | 30  | 450 | 255 | 0,9            |     | 40     |  |             |  |
| 60   | 2 3/8   | 73  | 2 7/8   | 2,24   | 10  | 150 | 30  | 450 | 300 | 0,9            |     | 40     |  |             |  |
| 63,5 | 2 1/2   | 76  | 3       | 2,60   | 10  | 150 | 30  | 450 | 320 | 0,9            |     | 40     |  |             |  |
| 65   | 2 9/16  | 79  | 3 7/64  | 2,66   | 10  | 150 | 30  | 450 | 325 | 0,9            |     | 40     |  |             |  |
| 70   | 2 3/4   | 83  | 3 17/64 | 2,86   | 10  | 150 | 30  | 450 | 390 | 0,9            |     | 40     |  |             |  |
| 76   | 3       | 90  | 3 35/64 | 3,00   | 10  | 150 | 30  | 450 | 440 | 0,9            |     | 40     |  |             |  |
| 80   | 3 5/32  | 93  | 3 21/32 | 3,17   | 10  | 150 | 30  | 450 | 450 | 0,9            |     | 40     |  |             |  |
| 90   | 3 1/2   | 104 | 4 3/32  | 4,08   | 10  | 150 | 30  | 450 | 450 | 0,9            |     | 40     |  |             |  |
| 102  | 4       | 118 | 4 41/64 | 4,60   | 10  | 150 | 30  | 450 | 560 | 0,9            |     | 40     |  |             |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

SD
W.P. 10 BAR (150 PSI)
140°C
FDA
BfR
D.M. 21/03/73
ADI FREE
ITALY



# AGRASTEAM 170°C

TUBO LAVAGGIO VAPORE - FDA | FDA WASHDOWN HOSE  
TUYAU FDA POUR LAVAGE | FDA -DAMPF WASCHENSCHLAUCH



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Mandata acqua calda mista a vapore per lavaggio e sterilizzazione di pavimenti ed attrezzature nell'industria alimentare e allevamenti | Washdown hose for food industry floors and equipments  | Tuyau pour pour le nettoyage et la sterilization dans l'industrie alimentaire                        | Lebensmittel-Dampfschlauch, für Heißwasser und Dampf, für Reinigungszwecke in der Lebensmittelindustrie |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Bianco, liscio in gomma <b>EPR</b> , di qualità alimentare, inodore ed insapore  | White, smooth <b>EPR</b> rubber compound, food quality odourless and taste free                | Blanc, lisse en caouthchouc <b>EPR</b> , inodore et sans saveur                                      | Weiß, glatt, Lebensmittelqualität <b>EPR</b> , geruchs- und geschmacksfrei                              |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Blu, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici                   | Blue, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> bleu, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Blau, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                     |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| FDA titolo 21, articolo 177.2600 per alimenti acquosi  | FDA title 21, art.177.2600 for aqueous foods   | FDA titre 21, article 177.2600 pour aliments aqueux  | FDA Titel 21, Art. 177.2600 für flüssige Nahrungsmittel   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -40°C +170°C   | -40°F +338°F   | -40°C +170°C   | -40°C +170°C  |

| 🔧 ID |       | 🔧 OD |         | ⚖️ WEIGHT | 📊 WP |     | 📊 BP |      | 📏 COIL LENGTH |
|------|-------|------|---------|-----------|------|-----|------|------|---------------|
| mm   | inch  | mm   | inch    | kg/m      | bar  | psi | bar  | psi  | m             |
| 13   | 1/2   | 24   | 61/64   | 0,67      | 7    | 105 | 70   | 1050 | 40            |
| 19   | 3/4   | 31   | 1 7/32  | 1,10      | 7    | 105 | 70   | 1050 | 40            |
| 25   | 1     | 37   | 1 15/32 | 1,23      | 7    | 105 | 70   | 1050 | 40            |
| 32   | 1 1/4 | 44   | 1 47/64 | 1,57      | 7    | 105 | 70   | 1050 | 40            |
| 38   | 1 1/2 | 50   | 1 31/32 | 1,90      | 7    | 105 | 70   | 1050 | 40            |
| 51   | 2     | 64   | 2 17/32 | 2,50      | 7    | 105 | 70   | 1050 | 40            |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



D

W.P. 7 BAR (105 PSI)

AL-FDA

170°C

ITALY



tubi gomma torino





# AGRAOIL SD /10 2W

TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI IN UHMWPE - COPERTURA ONDULATA  
 UHMWPE SUCTION AND DELIVERY HOSE FOR FOODSTUFFS - CONVOLUTED  
 TUYAU EN UHMWPE POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES - REVETEMENT ONDULE  
 SAUG-UND DRUCKSCHLAUCH FÜR LEBENSMITTELPRODUKTE - DECKE GEWELLT - UHMWPE



| APPLICAZIONE   | APPLICATION   | APPLICATION  | ANWENDUNG   |
|--|---|--|---|
| Aspirazione e mandata per oli commestibili, specialmente per l'olio d'oliva. Grazie alle caratteristiche dell'UHMWPE il sapore ed il profumo dei prodotti resta inalterato | Suction and delivery hose for food oils, especially for the precious olive oil. Thanks to the UHMWPE characteristics, the fragrance and the taste remains unchanged | Tuyau pour aspiration et refoulement des huiles alimentaires, en particulier pour l'huile d'olive. Grace aux caractéristiques du UHMWPE, la saveur et l'arôme du produit restent inchangés | Lebensmittel-Saug- und Druckschlauch, für ölhaltige Lebensmittel, besonders für Olivenöl geeignet   |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Traslucido chiaro in <b>UHMWPE</b> (polietilene ad alto peso molecolare) di qualità alimentare, inodore ed insapore  | Clear, translucent, <b>UHMWPE</b> food quality odourless and taste free   | Clair, translucide, <b>UHMWPE</b> (polyéthylène à haut poids moléculaire) qualité alimentaire, inodore et sans saveur  | Klar, durchscheinend, Lebensmittelqualität <b>UHMWPE</b> , geruchs- und geschmacksfrei              |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate   | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                       |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Verde, ondulata ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici   | Green, corrugated, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering   | <b>EPDM</b> vert, ondulé, grain toile, résistant a l'abrasion, a l'ozone et aux agents atmosphériques  | Grün, gewellt, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig        |
| NORME  | SPECIFICATIONS  | NORMES   | NORMEN  |
| FDA titolo 21 art. 177.2600 (f) per alimenti grassi, BfR, KTW, D.M. 21/03/73, CE 1935/2004   | FDA title 21 art. 177.2600 (f) for fatty foods, BfR, KTW, D.M. 21/03/73, CE 1935/2004   | FDA titre 21 et article 177.2666 (f) pour aliments gras, BfR et KTW, D.M.21/03/73, CE 1935/2004  | FDA Titel 21 Art. 177.2600 (f) für fettthaltige Lebensmittel, BfR, KTW, D.M. 21/03/73, CE 1935/2004 |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -20°C +100°C sterilizzazione a 110°C massimo 30'   | -4°F +212°F sterilization at 230°F for 30 minutes   | -20°C +100°C stérilisation à 110°C pour 30 minutes   | -20°C +100°C Dampfsterilisierung +110°C Für max 30 Minuten  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4   | 29  | 1 9/64  | 0,67   | 10  | 150 | 30  | 450 | 60             | 0,9    | 40          |
| 25   | 1     | 35  | 1 3/8   | 0,80   | 10  | 150 | 30  | 450 | 80             | 0,9    | 40          |
| 32   | 1 1/4 | 44  | 1 47/64 | 1,23   | 10  | 150 | 30  | 450 | 145            | 0,9    | 40          |
| 38   | 1 1/2 | 50  | 1 31/32 | 1,38   | 10  | 150 | 30  | 450 | 180            | 0,9    | 40          |
| 51   | 2     | 64  | 2 17/32 | 1,88   | 10  | 150 | 30  | 450 | 245            | 0,9    | 40          |
| 63,5 | 2 1/2 | 77  | 3       | 2,60   | 10  | 150 | 30  | 450 | 340            | 0,9    | 40          |
| 76   | 3     | 89  | 3 17/32 | 3,00   | 10  | 150 | 30  | 450 | 410            | 0,9    | 40          |
| 102  | 4     | 118 | 4 41/64 | 4,60   | 10  | 150 | 30  | 450 | 580            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# AGRACEREAL /10

TUBO MANDATA PRODOTTI ALIMENTARI SECCHI E ABRASIVI  
 DELIVERY HOSE FOR DRY AND ABRASIVE FOODSTUFFS  
 TUYAU POUR REFOULEMENT DES PRODUITS ALIMENTAIRES SECS ET ABRASIFS  
 DRUCKSCHLAUCH FÜR TROCKENE ABRASIVE NAHRUNGSMITTEL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Mandata prodotti alimentari abrasivi secchi quali, granaglie, riso, zuccheri, sfarinati e mangimi  | Delivery hose for dry and abrasive food stuffs as grains, rice, sugar, flour and animal foods  | Tuyau pour refolement des produits alimentaires abrasives et secs tel que grains, riz, sucre, farines et norritures animales        | Lebensmittelschlauch, zum Durchleiten von trockenen und abrasiven Nahrungsmitteln wie Getreide, Reis, Zucker, Mehl und Tierfutter |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>NR</b> , di qualità alimentare, inodore ed insapore   | White, smooth <b>NR</b> rubber compound, food quality odourless and taste free   | Blanc, lisse en caouthchouc <b>NR</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>NR</b> , geruchs- und geschmacksfrei   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità e 1 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with 1 copper wire for hose grounding   | Nappes synthétiques très résistant avec 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe, mit eingearbeiteter Kupferlitze  |
| COPERTURA  | COVER  | RETEVEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>NR/SBR</b> rubber compound, resistant to abrasion and weathering | <b>NR/SBR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant à l'abrasione et aux agents atmosphériques | Schwarz, stoffgemustert, antistatisch (R<10 <sup>6</sup> Ohm/m), <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig         |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004  | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004   | FDA titre 21 et article 177.2666 (e) pour aliments aqueux, BfR et ADI free, D.M.21/03/73, CE 1935/2004                              | FDA Titel 21 Art. 177.2600 (e) für flüssige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004                              |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +80°C sterilizzazione a 110°C massimo 30'  | -40°F +176°F sterilization at 230°F for 30 minutes   | -40°C +80°C stérilisation à 110°C pour 30 minutes   | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID  |        | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|--------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 51  | 2      | 65  | 2 9/16  | 1,60   | 10  | 150 | 30  | 450 | 40          |
| 60  | 2 3/8  | 74  | 2 29/32 | 1,72   | 10  | 150 | 30  | 450 | 40          |
| 70  | 2 3/4  | 84  | 3 5/16  | 2,00   | 10  | 150 | 30  | 450 | 40          |
| 76  | 3      | 90  | 3 1/2   | 2,20   | 10  | 150 | 30  | 450 | 40          |
| 80  | 3 5/32 | 94  | 3 11/16 | 2,35   | 10  | 150 | 30  | 450 | 40          |
| 90  | 3 1/2  | 104 | 4 3/32  | 2,70   | 10  | 150 | 30  | 450 | 40          |
| 102 | 4      | 118 | 4 21/32 | 2,95   | 10  | 150 | 30  | 450 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRACEREALS** **W.P. 10 BAR (150 PSI)** **ITALY** **tubi gomma torino**



# AGRACORN SD /10

TUBO ASPIRAZIONE E MANDATA PRODOTTI ALIMENTARI SECCHI E ABRASIVI  
 SUCTION AND DELIVERY HOSE FOR DRY AND ABRASIVE FOODSTUFFS  
 TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS ALIMENTAIRES SECS ET ABRASIFS  
 SAUG-UND DRUCKSCHLAUCH FÜR TROCKENE ABRASIVE NAHRUNGSMITTEL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Aspirazione e mandata prodotti alimentari abrasivi secchi quali, granaglie, riso, zuccheri, sfarinati e mangimi                                      | Suction and delivery hose for dry and abrasive food stuffs as grains, rice, sugar, flour and animal foods                                | Tuyau pour aspiration et refolement des produits alimentaires abrasives et secs tel que grains, riz, sucre, farines et norritures animale | Lebensmittel-Saug- und Druckschlauch, zum Durchleiten von trockenen und abrasiven Nahrungsmitteln wie Getreide, Reis, Zucker, Mehl und Tierfutter |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>NR</b> , di qualità alimentare, inodore ed insapore   | White, smooth <b>NR</b> rubber compound, food quality odourless and taste free   | Blanc, lisse en caouthchouc <b>NR</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>NR</b> , geruchs- und geschmacksfrei   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate e 1 cord in rame per la messa a terra della tubazione                         | High strength synthetic plies, with steel spirals and 1 copper wire for hose grounding   | Nappes synthétiques très résistant avec spirales métalliques et 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 1 antistatischen Kupferlitze zur Erdung                         |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>NR/SBR</b> rubber compound, resistant to abrasion and weathering | <b>NR/SBR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant à l'abrasione et aux agents atmosphériques       | Schwarz, stoffgemustert, antistatisch (R<10 <sup>6</sup> Ohm/m), <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig                         |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004  | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004   | FDA titre 21 et article177.2666 (e) pour aliments aqueux, BfR et ADI free, D.M.21/03/73, CE 1935/2004                                     | FDA Titel 21 Art. 177.2600 (e) für flüssige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +80°C sterilizzazione a 110°C massimo 30'  | -40°F +176°F sterilization at 230°F for 30 minutes   | -40°C +80°C stérilisation à 110°C pour 30 minutes   | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID   |        | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|--------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch   | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 51   | 2      | 65  | 2 9/16  | 1,92   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40          |
| 60   | 2 3/8  | 75  | 2 15/16 | 2,30   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40          |
| 63,5 | 2 1/2  | 79  | 3 1/8   | 2,43   | 10  | 150 | 30  | 450 | 380            | 0,9    | 40          |
| 70   | 2 3/4  | 86  | 3 3/8   | 2,80   | 10  | 150 | 30  | 450 | 420            | 0,9    | 40          |
| 76   | 3      | 92  | 3 5/8   | 3,28   | 10  | 150 | 30  | 450 | 450            | 0,9    | 40          |
| 80   | 3 5/32 | 96  | 3 25/32 | 3,45   | 10  | 150 | 30  | 450 | 480            | 0,9    | 40          |
| 90   | 3 1/2  | 106 | 3 1/8   | 3,80   | 10  | 150 | 30  | 450 | 540            | 0,9    | 40          |
| 102  | 4      | 118 | 4 21/32 | 4,80   | 10  | 150 | 30  | 450 | 610            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRACORN**
SD
W.P. 10 BAR (150 PSI)
FDA
BfR
D.M. 21/03/73
ADI FREE

 tubi gamma torino



# AGRAFLAT /10

TUBO APPIATTIBILE SCARICO PRODOTTI ALIMENTARI SECCHI E ABRASIVI  
 LAYFLAT DELIVERY HOSE FOR DRY AND ABRASIVE FOODSTUFFS  
 TUYAU APLATISSABLE POUR REFOULEMENT DES PRODUITS ALIMENTAIRES SECS ET ABRASIFS  
 FLACHSCHLAUCH FÜR TROCKENE ABRASIVE NAHRUNGSMITTEL



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Mandata prodotti alimentari abrasivi secchi quali, granaglie, riso, zuccheri, sfarinati e mangimi. Appiattibile                                      | Layflat hose for dry and abrasive food stuffs as grains, rice, sugar, flour and animal foods   | Tuyau pour refolement de produits alimentaires abrasives et secs tel que grains, riz, sucre, farines et norritures animale. Aplatisable | Lebensmittel-Flachschlauch, zum Durchleiten von trockenen und abrasiven Nahrungsmitteln wie Getreide, Reis, Zucker, Mehl und Tierfutter |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>NR</b> , di qualità alimentare, inodore ed insapore   | White, smooth <b>NR</b> rubber compound, food quality odourless and taste free   | Blanc, lisse en caouthchouc <b>NR</b> , inodore et sans saveur  | Weiß, glatt, Lebensmittelqualität <b>NR</b> , geruchs- und geschmacksfrei   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità e 1 cord in rame per la messa a terra della tubazione   | High strength synthetic plies, with 1 copper wire for hose grounding   | Nappes synthétiques très résistant avec 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe, mit eingearbeiteter Kupferlitze  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, antistatica (R<10 <sup>6</sup> Ohm/m) ad impressione tela in gomma <b>NR/SBR</b> , resistente all'abrasione ed agli agenti atmosferici | Black, smooth, antistatic (R<10 <sup>6</sup> Ohm/m) cloth impression <b>NR/SBR</b> rubber compound, resistant to abrasion and weathering | <b>NR/SBR</b> noir, lisse, antistatique (R<10 <sup>6</sup> Ohm/m) grain toile, résistant à l'abrasione et aux agents atmosphériques     | Schwarz, stoffgemustert, antistatisch (R<10 <sup>6</sup> Ohm/m), <b>NR/SBR</b> -Mischung, Abrieb- und Witterungsbeständig               |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| FDA titolo 21 art.177.2600 (e) per alimenti acquosi, BfR, ADI free, D.M. 21/03/73, CE 1935/2004  | FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, D.M. 21/03/73, CE 1935/2004   | FDA titre 21 et article177.2666 (e) pour aliments aqueux, BfR et ADI free, D.M.21/03/73, CE 1935/2004                                   | FDA Titel 21 Art. 177.2600 (e) für flüssige Lebensmittel, BfR, ADI frei, D.M. 21/03/73, CE 1935/2004                                    |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -40°C +80°C sterilizzazione a 110°C massimo 30'  | -40°F +176°F sterilization at 230°F for 30 minutes   | -40°C +80°C stérilisation à 110°C pour 30 minutes   | -40°C +80°C Dampfsterilisierung +110°C Für max 30 Minuten   |

| ID  |         | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|---------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | m           |
| 80  | 3 5/32  | 90  | 3 1/2   | 1,12   | 10  | 150 | 30  | 450 | 40          |
| 90  | 3 1/2   | 100 | 3 15/16 | 1,25   | 10  | 150 | 30  | 450 | 40          |
| 102 | 4       | 112 | 4 13/32 | 1,39   | 10  | 150 | 30  | 450 | 40          |
| 110 | 4 11/32 | 120 | 4 23/32 | 1,52   | 10  | 150 | 30  | 450 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRAFLAT****W.P. 10 BAR (150 PSI)****FDA****BfR**

D.M. 21/03/73

**ADI FREE**

ITALY



tubi gomma torino



# AGRABLOW /10 180°C

TUBO MANDATA ARIA CALDA PER COMPRESSORI DELLE AUTOCISTERNE  
 DELIVERY HOSE FOR HOT AIR FOR TRUCK TANKS  
 TUYAU POUR REFOULEMENT D'AIR CHAUD POUR LES COMPRESSEURS DES CITERNES SUR LES CAMIONS  
 DRUCKSCHLAUCH FÜR HEIßLUFT ZUM KOMPRESSOR BIS TANK



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|---|--|--|
| Mandata aria calda e secca dal compressore alla cisterna dei camion   | Delivery hose for hot dry air for truck tanks   | Tuyau pour refolement d' air chaud pour les compresseurs des citernes sur les camions                | Lebensmittel-Luftschlauch, zum Durchleiten von Heißluft zwischen LKW Kompressor und Tank |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Bianco, liscio in gomma <b>EPR</b> , atossica, inodore ed insapore  | White, smooth <b>EPR</b> rubber compound, atoxic odourless and taste free                       | Blanc, lisse en caouthouc <b>EPR</b> , pas toxique, inodore et sans saveur                           | Weiß, glatt, Lebensmittelqualität <b>EPR</b> , geruchs- und geschmacksfrei               |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Black, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und witterungbeständig    |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +180°C  | -40°F +356°F  | -40°C +180°C   | -40°C +180°C   |

| 🔧 ID |         | 🔧 OD |         | ⚖️ WEIGHT | 🌡️ WP |     | 🌡️ BP |     | 📏 COIL LENGTH |
|------|---------|------|---------|-----------|-------|-----|-------|-----|---------------|
| mm   | inch    | mm   | inch    | kg/m      | bar   | psi | bar   | psi | m             |
| 25   | 1       | 41   | 1 5/8   | 0,88      | 10    | 150 | 30    | 450 | 40            |
| 45   | 1 25/32 | 63   | 2 1/2   | 1,67      | 10    | 150 | 30    | 450 | 40            |
| 51   | 2       | 69   | 2 23/32 | 1,86      | 10    | 150 | 30    | 450 | 40            |
| 60   | 2 3/8   | 78   | 3 5/64  | 2,14      | 10    | 150 | 30    | 450 | 40            |
| 63,5 | 2 1/2   | 81   | 3 13/64 | 2,25      | 10    | 150 | 30    | 450 | 40            |
| 76   | 3       | 94   | 3 11/16 | 2,65      | 10    | 150 | 30    | 450 | 40            |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**D**
**W.P. 10 BAR (150 PSI)**
**180°C**
ITALY
 tubi gomma torino



# AGRABLOW SD /10 180°C

TUBO ASPIRAZIONE E MANDATA ARIA CALDA PER COMPRESSORI DELLE AUTOCISTERNE

SUCTION AND DELIVERY HOSE FOR HOT AIR FOR TRUCK TANKS

TUYAU POUR ASPIRATION ET REFOULEMENT D' AIR CHAUD POUR LES COMPRESSEURS DES CITERNES SUR LES CAMIONS

SAUG-UND DRUCKSCHLAUCH FÜR HEIBLUFT ZUM KOMPRESSOR BIS TANK



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|---|--|--|
| Aspirazione e mandata aria calda e secca dal compressore alla cisterna dei camion                                     | Suction and delivery hose for hot dry air for truck tanks                                       | Tuyau pour aspiration et refoulement d'air chaud pour les compresseurs des citernes sur les camions  | Lebensmittel-Saug- und Druck-Luftschlauch, zum Durchleiten von Heißluft zwischen LKW Kompressor und Tank |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Bianco, liscio in gomma <b>EPR</b> , atossica, inodore ed insapore  | White, smooth <b>EPR</b> rubber compound, atoxic odourless and taste free                       | Blanc, lisse en caouthouc <b>EPR</b> , pas toxique, inodore et sans saveur                           | Weiß, glatt, Lebensmittelqualität <b>EPR</b> , geruchs- und geschmacksfrei                               |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques                                       | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                            |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici | Black, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering | <b>EPDM</b> noir, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques | Schwarz, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und witterungbeständig                    |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C +180°C  | -40°F +356°F  | -40°C +180°C   | -40°C +180°C   |

| ID   |         | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|---------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch    | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 25   | 1       | 36  | 1 27/64 | 0,74   | 10  | 150 | 30  | 450 | 100            | 0,9    | 40          |
| 38   | 1 1/2   | 49  | 1 15/16 | 1,12   | 10  | 150 | 30  | 450 | 150            | 0,9    | 40          |
| 42   | 1 21/32 | 53  | 2 3/32  | 1,25   | 10  | 150 | 30  | 450 | 170            | 0,9    | 40          |
| 51   | 2       | 63  | 2 1/2   | 1,70   | 10  | 150 | 30  | 450 | 200            | 0,9    | 40          |
| 63,5 | 2 1/2   | 76  | 3       | 2,30   | 10  | 150 | 30  | 450 | 250            | 0,9    | 40          |
| 76   | 3       | 90  | 3 1/2   | 2,75   | 10  | 150 | 30  | 450 | 300            | 0,9    | 40          |
| 90   | 3 1/2   | 104 | 4 3/32  | 3,79   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40          |
| 102  | 4       | 116 | 4 9/16  | 4,15   | 10  | 150 | 30  | 450 | 400            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AGRABLOW****SD****W.P. 10 BAR (150 PSI)****180°C****ITALY**

tubi gomma torino



# AGRASIL 200°C

TUBI MANDATA IN SILICONE FDA PER COSMETICA E FARMACEUTICA  
 DELIVERY SILICON HOSE FDA FOR COSMETIC AND PHARMA INDUSTRY  
 TUYAU POUR REFOULEMENT EN SILICONE FDA DANS LA COSMETIQUE ET PHARMACEUTIQUE  
 SILIKON DRUCKSCHLAUCH FÜR KOSMETICA UND PHARMAEZEUGNIS - FDA



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Mandata di prodotti farmaceutici, cosmetici ed alimentari, altissima temperatura                                       | Delivery hose for pharmaceutical, cosmetic and food stuffs, very high temperature                          | Tuyau pour refolement des produits pharmaceutiques, cosmétiques et alimentaires, température très élevée      | Hochwertiger Druckschlauch, für Arzneimittel, Kosmetika und Lebensmittel, hochtemperaturbeständig |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Bianco, liscio in gomma <b>SILICONICA MVQ</b> , di qualità alimentare, inodore ed insapore                             | White, smooth <b>SILICON VMQ</b> rubber compound, food quality odourless and taste free                    | Blanc, lisse en caouthouc <b>SILICON VMQ</b> , qualité alimentaire, inodore et sans saveur                    | Weiß, glatt, Lebensmittelqualität <b>SILIKON VMQ</b> , geruchs- und geschmacksfrei                |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Bianca, liscia ad impressione tela in gomma <b>SILICONICA MVQ</b> , resistente all'abrasione e agli agenti atmosferici | White, smooth and glossy, cloth impression <b>SILICON VMQ</b> rubber, resistant to abrasion and weathering | <b>SILICON VMQ</b> blanc, lisse et brillant, grain toile, résistant à l'abrasion et aux agents atmosphériques | Weiß, stoffgemustert, <b>SILIKON VMQ</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig        |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| FDA CFR 21 parti 170 e 199 art.177.2600 (e) per alimenti acquosi   | FDA CFR 21, parts 170 and 199 art.177.2600 (e) for liquid foods  | FDA CFR 21 parts 170 et 199, art.177.2600 (e) pour aliments aqueux  | FDA CFR 21, Teil 170 und 199 Art.177.2600 (e) für flüssige Lebensmittel                           |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -50°C +200°C   | -58°F +392°F   | -50°C +200°C  | -50°C +200°C  |

| ID   |       | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|------|-------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm   | inch  | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19   | 3/4   | 30 | 1 1/16  | 0,62   | 5   | 75  | 15  | 225 | 10/20       |
| 25   | 1     | 36 | 1 13/32 | 0,74   | 5   | 75  | 15  | 225 | 10/20       |
| 32   | 1 1/4 | 43 | 1 11/16 | 0,81   | 5   | 75  | 15  | 225 | 10/20       |
| 38   | 1 1/2 | 50 | 1 31/32 | 1,12   | 5   | 75  | 15  | 225 | 10/20       |
| 51   | 2     | 64 | 2 17/32 | 1,65   | 5   | 75  | 15  | 225 | 10/20       |
| 63,5 | 2 1/2 | 78 | 3 5/64  | 2,14   | 5   | 75  | 15  | 225 | 10/20       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**AGRASIL**

**D**

**W.P. 5 BAR (75 PSI)**

**200°C**

**FDA**

**ITALY**



tubi gomma torino



# AGRASIL SD 200°C

TUBI ASPIRAZIONE E MANDATA IN SILICONE FDA PER COSMETICA E FARMACEUTICA  
 SUCTION AND DELIVERY SILICON HOSE FDA FOR COSMETIC AND PHARMA INDUSTRY  
 TUYAU POUR ASPIRATION ET REFOULEMENT EN SILICONE FDA DANS LA COSMETIQUE ET PHARMACEUTIQUE  
 SILIKON SAUG-UND DRUCKSCHLAUCH FÜR KOSMETICA UND PHARMAEZEUGNIS -FDA



| APPLICAZIONE  | APPLICATION  | APPLICATION  | ANWENDUNG   |
|---|--|--|---|
| Aspirazione e mandata di prodotti farmaceutici, cosmetici ed alimentari, altissima temperatura                          | Suction and delivery hose for pharmaceutical, cosmetic and food stuffs, very high temperature              | Tuyau pour aspiration et refolement des produits pharmaceutiques, cosmétiques et alimentaires, température très élevée | Hochwertiger Saug- und Druckschlauch, für Arzneimittel, Kosmetika und Lebensmittel, hochtemperaturbeständig |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Bianco, liscio in gomma <b>SILICONICA MVQ</b> , di qualità alimentare, inodore ed insapore                              | White, smooth <b>SILICON VMQ</b> rubber compound, food quality odourless and taste free                    | Blanc, lisse en caouthchouc <b>SILICON VMQ</b> , qualité alimentaire, inodore et sans saveur                           | Weiß, glatt, Lebensmittelqualität <b>SILIKON VMQ</b> , geruchs- und geschmacksfrei                          |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals  | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                               |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Bianca, liscia ad impressione tela in gomma <b>SILICONICA MVQ</b> , resistente all'abrasione e agli agenti atmosferici. | White, smooth and glossy, cloth impression <b>SILICON VMQ</b> rubber, resistant to abrasion and weathering | <b>SILICON VMQ</b> blanc, lisse et brillant, grain toile, résistant à l'abrasion et aux agents atmosphériques.         | Weiß, stoffgemustert, <b>SILIKON VMQ</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                  |
| NORME   | SPECIFICATIONS   | NORMES   | NORMEN  |
| FDA CFR 21 parti 170 e 199 art.177.2600 (e) per alimenti acquosi  | FDA CFR 21, parts 170 and 199 art.177.2600 (e) for liquid foods  | FDA CFR 21 parts 170 et 199, art.177.2600 (e) pour aliments aqueux   | FDA CFR 21, Teil 170 und 199 Art.177.2600 (e) für flüssige Lebensmittel                                     |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -50°C +200°C  | -58°F +392°F   | -50°C +200°C   | -50°C +200°C  |

| ID   |       | OD  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm   | inch  | mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19   | 3/4   | 31  | 1 7/32  | 0,74   | 5   | 75  | 15  | 225 | 100            | 0,7    | 10 /20      |
| 25   | 1     | 37  | 1 15/32 | 0,96   | 5   | 75  | 15  | 225 | 130            | 0,7    | 10 /20      |
| 32   | 1 1/4 | 44  | 1 23/32 | 1,13   | 5   | 75  | 15  | 225 | 180            | 0,7    | 10 /20      |
| 38   | 1 1/2 | 51  | 2       | 1,24   | 5   | 75  | 15  | 225 | 200            | 0,7    | 10 /20      |
| 51   | 2     | 65  | 2 9/16  | 1,97   | 5   | 75  | 15  | 225 | 270            | 0,7    | 10 /20      |
| 63,5 | 2 1/2 | 79  | 3 7/64  | 2,45   | 5   | 75  | 15  | 225 | 350            | 0,7    | 10 /20      |
| 90   | 3 1/2 | 104 | 4 3/32  | 3,79   | 10  | 150 | 30  | 450 | 360            | 0,9    | 40          |
| 102  | 4     | 116 | 4 9/16  | 4,15   | 10  | 150 | 30  | 450 | 400            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



SD

W.P. 5 BAR (75 PSI)

200°C

FDA

ITALY





Handwriting practice lines consisting of multiple horizontal dotted lines across the page.





# **MARINE**

TUBI PER APPLICAZIONI NAVALI | MARINE HOSES  
TUYAUX POUR APPLICATIONS MARINES | SCHLÄUCHE FÜR MARINE ANWENDUNGEN



|   |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION  |  ANWENDUNG | page |
|---|---|---|--|---|------|
| <b>MARINEGEN</b><br><b>ISO 7840 A1 L/L</b>              | TUBO MANDATA CARBURANTI PER IMBARCAZIONI LONG LENGHT  | FUEL DELIVERY HOSE FOR ON LEISURE BOATS- LONG LENGTH  | TUYAU POUR REFOULEMENT DE CARBURANTS POUR LES BATEAUX DE PLAISANCE - LONG LENGTH               | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN FÜR MARINEEINSATZ AUF SPORTBOOTEN                              | 138  |
| <b>MARINEGEN</b><br><b>ISO 7840 A1</b>                  | TUBO MANDATA CARBURANTI PER IMBARCAZIONI DA DIPORTO   | FUEL DELIVERY HOSE ON LEISURE BOATS   | TUYAU POUR REFOULEMENT DE CARBURANTS POUR LES BATEAUX DE PLAISANCE                             | DRUCKSCHLAUCH FÜR KRAFTSTOFFEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN                             | 139  |
| <b>MARINESPIR</b><br><b>ISO 7840 A1</b>                 | TUBO ASPIRAZIONE E MANDATA CARBURANTI PER IMBARCAZIONI  | FUEL SUCTION AND DELIVERY HOSE ON LEISURE BOATS   | TUYAU POUR ASPIRATION ET REFOULEMENT DE CARBURANTS POUR LES BATEAUX DE PLAISANCE               | SAUG-UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN                    | 140  |
| <b>MARINEFLEX 2W</b><br><b>ISO 13363 TYPE 2 CLASS B</b> | TUBO ASPIRAZIONE E MANDATA ACQUA E GAS DI SCARICO PER IMBARCAZIONI                            | SUCTION AND DELIVERY HOSE FOR WATER AND EXHAUST GASSES ON LEISURE BOATS                       | TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU ET GAZ D' ECHAPPEMENT POUR LES BATEAUX DE PLAISANCE | SAUG- UND DRUCKSCHLAUCH FÜR KÜHLWASSER UND ABGASEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN         | 141  |
| <b>MARINESAN SD /10</b><br><b>EN ISO 8099</b>           | TUBO ASPIRAZIONE E MANDATA PER IMPIANTI IDROSANITARI PER IMBARCAZIONI                         | WATER SUCTION AND DELIVERY HOSE FOR TOILETS ON LEISURE BOATS                                  | TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU POUR LES TOILETTES DES BATEAUX DE PLAISANCE         | SAUG-UND DRUCKWASSERSCHLAUCH FÜR TOILETTEN AUF SPORTBOOTEN                                    | 142  |
| <b>MULTIPURPOSE</b><br><b>SD /10</b>                    | TUBO ASPIRAZIONE E MANDATA MULTIUSO IN EPDM   | MULTIPURPOSE SUCTION AND DELIVERY EPDM HOSE   | TUYAU POUR ASPIRATION ET REFOULEMENT EN EPDM MULTI-USAGE                                       | SAUG-UND DRUCKSCHLAUCH GENERELL ANWENDUNGEN AUS EPDM GUMMI                                    | 143  |



# MARINEGEN ISO 7840 A1 L/L

TUBO MANDATA CARBURANTI PER IMBARCAZIONI LONG LENGTH  
 FUEL DELIVERY HOSE FOR ON LEISURE BOATS - LONG LENGTH  
 TUYAU POUR REFOULEMENT DE CARBURANTS POUR LES BATEAUX DE PLAISANCE - LONG LENGTH  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|--|---|--|
| Mandata di carburanti diesel, bio-diesel e benzine ecologiche per motori su imbarcazioni da diporto (fino a 24 m) | Delivery hose for diesel, bio diesel fuel and for eco gasoline, for marine engines installed on leisure boats (up to 24 m) | Tuyau pour refoulement de gasoil, bio gasoil, essence vert pour les moteurs des bateaux de plaisance (max 24 m) | Öl-Schlauch, zum Durchleiten von Diesel, Biodiesel, unverbleiten Kraftstoffen, für Marineinsatz auf Booten mit Innenbordmotoren (bis 24 m) |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b>  | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en caoutchouc <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> -Qualität   |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti ad alta tenacità  | High strength synthetic plies  | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, in gomma <b>CR</b> autostinguente, resistente al calore, ai carburanti ed agli agenti atmosferici   | Black, smooth, <b>CR</b> rubber compound, self extinguishing, resistant to heat, fuels, and weathering                     | <b>CR</b> noir, lisse, résistant au feu, aux carburants, à la température et aux agents atmosphériques          | Schwarz, glatt, <b>CR</b> -Qualität, selbstverlöschend, hitze-, öl- und Witterungsbeständig  |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN   |
| ISO 7840:2004 A1 CE LL, omologato RINA SAE J 1527:2004 A1   | ISO 7840:2004 A1 CE LL, approved RINA SAE J 1527:2004 A1   | ISO 7840:2004 A1 CE LL, certifié RINA SAE J 1527:2004 A3  | ISO 7840:2004 A1 CE LL, RINA geprüft SAE J 1527:2004 A1  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -20°C +100°C  | -4°F +212°F  | -20°C +100°C  | -20°C +100°C   |

| ID |      | OD |        | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|------|----|--------|--------|-----|-----|-----|-----|-------------|
| mm | inch | mm | inch   | kg/m   | bar | psi | bar | psi | m           |
| 6  | 1/4  | 16 | 5/8    | 0,26   | 3,4 | 50  | 14  | 200 | 30/100      |
| 8  | 5/16 | 17 | 21/32  | 0,28   | 3,4 | 50  | 14  | 200 | 30/100      |
| 10 | 3/8  | 20 | 25/32  | 0,37   | 3,4 | 50  | 14  | 200 | 30/100      |
| 12 | 1/2  | 22 | 7/8    | 0,47   | 2,5 | 40  | 10  | 150 | 30/100      |
| 16 | 5/8  | 27 | 1 3/16 | 0,55   | 2,5 | 40  | 10  | 150 | 30/100      |
| 19 | 3/4  | 30 | 1 7/32 | 0,65   | 2,5 | 40  | 10  | 150 | 30/100      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT MARINEGEN ISO 7840:2004 A1 CE L/L RINA DIP SAE J 1527.2004 A1 ITALY



# MARINEGEN ISO 7840 A1

TUBO MANDATA CARBURANTI PER IMBARCAZIONI DA DIPORTO  
 FUEL DELIVERY HOSE ON LEISURE BOATS  
 TUYAU POUR REFOULEMENT DE CARBURANTS POUR LES BATEAUX DE PLAISANCE  
 DRUCKSCHLAUCH FÜR KRAFTSTOFFEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|--|--|--|
| Mandata di carburanti diesel, bio-diesel e benzine ecologiche per motori su imbarcazioni da diporto (fino a 24 m)                   | Delivery hose for diesel, bio diesel fuel and for eco gasoline, for marine engines installed on leisure boats (up to 24 m) | Tuyau pour refolement de gasoil, bio gasoil, essence vert pour les moteurs des bateaux de plaisance (max 24 m)     | Öl-Schlauch, zum Durchleiten von Diesel, Biodiesel, unverbleiten Kraftstoffen, für Marineinsatz auf Booten mit Innenbordmotoren (bis 24 m) |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Nero, liscio in gomma <b>NBR</b>  | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en caoutchouc <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> -Qualität   |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporato 1 cord in rame per la messa a terra della tubazione                             | High strength synthetic plies, with 1 copper wire for hose grounding   | Nappes synthétiques très résistantes avec 1 fil en cuivre de masse   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 1 antistatischen Kupferlitze zur Erdung  |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>CR</b> autostinguente, resistente al calore, ai carburanti ed agli agenti atmosferici | Black, smooth, cloth impression <b>CR</b> rubber compound, self extinguishing, resistant to heat, fuels, and weathering    | <b>CR</b> noir, lisse, grain toile, résistant au feu, au carburants, à la température et aux agents atmosphériques | Schwarz, stoffgemustert, <b>CR</b> -Qualität, selbstverlöschend, hitze-, öl- und Witterungsbeständig                                       |
| NORME   | SPECIFICATIONS   | NORMES   | NORMEN   |
| ISO 7840:2004 A1 CE, omologato RINA SAE J 1527:2004 A1  | ISO 7840:2004 A1 CE, approved RINA SAE J 1527:2004 A1  | ISO 7840:2004 A1 CE, certifié RINA SAE J 1527:2004 A3  | ISO 7840:2004 A1 CE, RINA geprüft SAE J 1527:2004 A1   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -20°C +100°C  | -4°F +212°F  | -20°C +100°C   | -20°C +100°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | m           |
| 19 | 3/4    | 32 | 1 1/4   | 0,75   | 10  | 150 | 30  | 450 | 40/61       |
| 25 | 1      | 39 | 1 17/32 | 0,95   | 10  | 150 | 30  | 450 | 40/61       |
| 30 | 1 3/16 | 44 | 1 23/32 | 1,15   | 10  | 150 | 30  | 450 | 40/61       |
| 32 | 1 1/4  | 46 | 1 13/16 | 1,24   | 10  | 150 | 30  | 450 | 40/61       |
| 38 | 1 1/2  | 52 | 2 1/16  | 1,55   | 10  | 150 | 30  | 450 | 40/61       |
| 40 | 1 9/16 | 54 | 2 1/8   | 1,61   | 10  | 150 | 30  | 450 | 40/61       |
| 45 | 1 3/4  | 59 | 2 5/16  | 1,80   | 10  | 150 | 30  | 450 | 40/61       |
| 51 | 2      | 65 | 2 9/16  | 1,95   | 10  | 150 | 30  | 450 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**MARINEGEN** **ISO 7840:2004 A1** **CE RINA Dip 63797** **SAE J 1527:2004 A1** **ITALY** **tubi gomma torino**



# MARINESPIR ISO 7840 A1

TUBO ASPIRAZIONE E MANDATA CARBURANTI PER IMBARCAZIONI  
 FUEL SUCTION AND DELIVERY HOSE ON LEISURE BOATS  
 TUYAU POUR ASPIRATION ET REFOULEMENT DE CARBURANTS POUR LES BATEAUX DE PLAISANCE  
 SAUG-UND DRUCKSCHLAUCH FÜR KRAFTSTOFFEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN



| APPLICAZIONE  | APPLICATION  | APPLICATION   | ANWENDUNG   |
|---|--|---|---|
| Aspirazione e mandata di carburanti diesel, bio-diesel e benzine ecologiche per motori su imbarcazioni da diporto (fino a 24 m)     | Suction and delivery hose for diesel, bio diesel fuel and for eco gasoline, for marine engines installed on leisure boats (up to 24 m) | Tuyau pour aspiration et refoulement de gasoil, bio gasoil, essence vert pour les moteurs des bateaux de plaisance (max 24 m) | Öl-Saug- und Druckschlauch, zum Durchleiten von Diesel, Biodiesel, unverbleiten Kraftstoffen, für Marineinsatz auf Booten mit Innenbordmotoren (bis 24 m) |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>  | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en caoutchouc <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> -Qualität  |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporato 1 cord in rame per la messa a terra della tubazione                             | High strength synthetic plies, with 1 copper wire for hose grounding   | Nappes synthétiques très résistantes avec 1 fil en cuivre de masse  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteten 1 antistatischen Kupferlitze zur Erdung   |
| COPERTURA   | COVER  | RETEVEMENT EXTERIEUR  | DECKE   |
| Nera, liscia, ad impressione tela in gomma <b>CR</b> autostinguente, resistente al calore, ai carburanti ed agli agenti atmosferici | Black, smooth, cloth impression <b>CR</b> rubber compound, self extinguishing, resistant to heat, fuels, and weathering                | <b>CR</b> noir, lisse, grain toile, résistant au feu, au carburants, à la température et aux agents atmosphériques            | Schwarz, stoffgemustert, <b>CR</b> -Qualität, selbstverlöschend, hitze-, öl- und Witterungsbeständig  |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN  |
| ISO 7840:2004 A1 CE, omologato RINA SAE J 1527:2004 A1  | ISO 7840:2004 A1 CE, approved RINA SAE J 1527:2004 A1  | ISO 7840:2004 A1 CE, certifié RINA SAE J 1527:2004 A3   | ISO 7840:2004 A1 CE, RINA geprüft SAE J 1527:2004 A1  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -20°C +100°C  | -4°F +212°F  | -20°C +100°C  | -20°C +100°C  |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | VACUUM | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|--------|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | bar    | m           |
| 19 | 3/4    | 29 | 1 9/64  | 0,64   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |
| 20 | 25/32  | 30 | 1 3/16  | 0,68   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |
| 25 | 1      | 35 | 1 3/8   | 0,80   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |
| 30 | 1 3/16 | 40 | 1 9/16  | 0,96   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |
| 32 | 1 1/4  | 42 | 1 21/32 | 0,98   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |
| 38 | 1 1/2  | 48 | 1 57/64 | 1,14   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |
| 51 | 2      | 61 | 2 13/32 | 1,50   | 5   | 75  | 15  | 225 | 0,9    | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**MARINESPIR** **SD** **ISO 7840:2004 A1** **CE RINA Dip 22802/CS** **SAE J 1527:2004 A1** **ITALY** **tubi gomma torino**



# MARINEFLEX 2W ISO 13363 TYPE 2 CLASS B

TUBO ASPIRAZIONE E MANDATA ACQUA E GAS DI SCARICO PER IMBARCAZIONI  
 SUCTION AND DELIVERY HOSE FOR WATER AND EXHAUST GASSES ON LEISURE BOATS  
 TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU ET GAZ D'ÉCHAPPEMENT POUR LES BATEAUX DE PLAISANCE  
 SAUG- UND DRUCKSCHLAUCH FÜR KÜHLWASSER UND ABGASEN, FÜR MARINEEINSATZ AUF SPORTBOOTEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|---|--|---|
| Aspirazione e mandata di acqua di raffreddamento e gas di scarico per motori su imbarcazioni da diporto                               | Suction and delivery hose for cooling water and exhaust gasses, for marine engines installed on leisure boats               | Tuyau pour aspiration et refolement de l'eau de refroidissement, gaz d'échappement pour les moteurs des bateaux de plaisance | Saug- und Druckschlauch, zum Durchleiten von Kühlwasser und Abgasen, zum Einsatz auf Sportbooten              |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR/PVC</b>  | Black, smooth <b>NBR/PVC</b> rubber compound  | Noir, lisse en caoutchouc <b>NBR/PVC</b>   | Schwarz, glatt, <b>NBR/PVC</b> -Mischung  |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                                 |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, ondulata, ad impressione tela in gomma <b>CR</b> autostinguente, resistente al calore, ai carburanti ed agli agenti atmosferici | Black, corrugated, cloth impression <b>CR</b> rubber compound, self extinguishing, resistant to heat, fuels, and weathering | <b>CR</b> noir, ondulé, grain toile, résistant au feu, au carburants, à la température et aux agents atmosphériques          | Schwarz, gewellt, stoffgemustert, <b>CR</b> -Qualität, selbstverlöschend, hitze-, öl- und Witterungsbeständig |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN  |
| omologato ISO 13363 2B, RINA, LLOYDS  | ISO 13363 2B, RINA and LLOYDS approved  | certifié ISO 13363 2B, RINA et LLOYDS  | ISO 13363 2B, RINA und LLOYDS geprüft   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C +120°C  | -22°F +248°F  | -30°C +120°C   | -30°C +120°C  |

| ID  |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|-----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm  | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 25  | 1       | 0,58   | 3   | 45  | 10  | 150 | 80             | 0,7    | 10/20/40    |
| 30  | 1 3/16  | 0,69   | 3   | 45  | 10  | 150 | 95             | 0,7    | 10/20/40    |
| 35  | 1 3/8   | 0,83   | 3   | 45  | 10  | 150 | 112            | 0,7    | 10/20/40    |
| 40  | 1 9/16  | 0,93   | 3   | 45  | 10  | 150 | 155            | 0,7    | 10/20/40    |
| 45  | 1 3/4   | 1,10   | 3   | 45  | 10  | 150 | 165            | 0,7    | 10/20/40    |
| 51  | 2       | 1,17   | 3   | 45  | 10  | 150 | 175            | 0,7    | 10/20/40    |
| 55  | 2 5/32  | 1,28   | 3   | 45  | 10  | 150 | 195            | 0,7    | 10/20/40    |
| 60  | 2 3/8   | 1,35   | 3   | 45  | 10  | 150 | 215            | 0,7    | 10/20/40    |
| 70  | 2 3/4   | 1,74   | 3   | 45  | 10  | 150 | 260            | 0,7    | 10/20/40    |
| 76  | 3       | 1,98   | 3   | 45  | 10  | 150 | 280            | 0,7    | 10/20/40    |
| 80  | 3 5/32  | 2,15   | 3   | 45  | 10  | 150 | 300            | 0,7    | 10/20/40    |
| 90  | 3 17/32 | 2,60   | 3   | 45  | 10  | 150 | 350            | 0,7    | 10/20/40    |
| 102 | 4       | 3,00   | 3   | 45  | 10  | 150 | 400            | 0,7    | 10/20/40    |
| 127 | 5       | 3,80   | 3   | 45  | 10  | 150 | 550            | 0,7    | 10/20/40    |
| 130 | 5 1/8   | 3,90   | 3   | 45  | 10  | 150 | 590            | 0,7    | 10/20/40    |
| 152 | 6       | 4,40   | 3   | 45  | 10  | 150 | 760            | 0,7    | 10/20/40    |
| 203 | 8       | 7,10   | 3   | 45  | 10  | 150 | 1000           | 0,7    | 10/20/40    |
| 254 | 10      | 8,70   | 3   | 45  | 10  | 150 | 1270           | 0,7    | 10/20/40    |
| 302 | 12      | 11,10  | 3   | 45  | 10  | 150 | 1830           | 0,7    | 10/20/40    |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**MARINEFLEX 2W** **SD** **RINA DIP** **LLOYDS** **ISO 13363:04 2B** **any** **ITALY** **tubi gamma torino**



# MARINESAN SD /10 EN ISO 8099

TUBO ASPIRAZIONE E MANDATA PER IMPIANTI IDROSANITARI PER IMBARCAZIONI  
 WATER SUCTION AND DELIVERY HOSE FOR TOILETS ON LEISURE BOATS  
 TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU POUR LES TOILETTES DES BATEAUX DE PLAISANCE  
 SAUG-UND DRUCKWASSERSCHLAUCH FÜR TOILETTEN AUF SPORTBOOTEN



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|---|--|--|
| Aspirazione e mandata, per impianti idrosanitari a bordo delle imbarcazioni da diporto. Completamente impermeabile ai cattivi odori | Suction and delivery hose for sanitary equipments installed on board of leisure boats. Completely smell shielded. | Tuyau pour aspiration et refolement, pour les équipements sanitaire installés au bord des bateaux de plaisance. Le tuyau ne laisse pas passer aucune odeur | Wasser-Saug- und Druckschlauch, für Trink- und Abwasser, für Sportboote, in geschlossenen Systemen |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE   |
| Bianco, liscio in gomma <b>BIIR</b> (butile), di qualità alimentare, inodore ed insapore  | White, smooth <b>BIIR</b> (butyl) rubber compound, food quality odourless and taste free                          | Blanc, lisse en caoutchouc <b>BIIR</b> (Butyl), inodore et sans saveur   | Weiß, glatt, Lebensmittelqualität <b>BIIR</b> (BROMINE-BUTYL), geruchs- und geschmacksfrei         |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                      |
| COPERTURA   | COVER   | RETEVEMENT EXTERIEUR   | DECKE  |
| Bianca, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente all'abrasione, all'ozono e agli agenti atmosferici            | White, smooth, cloth impression <b>EPDM</b> rubber, resistant to abrasion, ozone and weathering                   | <b>EPDM</b> blanc, lisse, grain toile, résistant à l'abrasion, à l'ozone et aux agents atmosphériques  | Weiß, stoffgemustert, <b>EPDM</b> -Qualität, Abrieb-, Ozon- und Witterungsbeständig                |
| NORME   | SPECIFICATIONS  | NORMES   | NORMEN   |
| EN ISO 8099   | EN ISO 8099   | EN ISO 8099  | EN ISO 8099  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40 °C+120°C  | -40°F +248°F  | -40 °C+120°C   | -40 °C+120°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 19 | 3/4    | 29 | 1 9/64  | 0,72   | 10  | 150 | 30  | 450 | 80             | 0,9    | 40          |
| 25 | 1      | 35 | 1 3/8   | 0,87   | 10  | 150 | 30  | 450 | 115            | 0,9    | 40          |
| 38 | 1 1/2  | 48 | 1 7/8   | 1,80   | 10  | 150 | 30  | 450 | 180            | 0,9    | 40          |
| 40 | 1 9/16 | 50 | 1 31/32 | 2,00   | 10  | 150 | 30  | 450 | 180            | 0,9    | 40          |
| 45 | 1 3/4  | 55 | 2 5/32  | 2,25   | 10  | 150 | 30  | 450 | 200            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**MARINESAN**

SD

W.P. 10 BAR

ISO 8099

ITALY



tubi gomma torino





# MULTIPURPOSE SD /10

TUBO ASPIRAZIONE E MANDATA MULTIUSO IN EPDM  
 MULTIPURPOSE SUCTION AND DELIVERY EPDM HOSE  
 TUYAU POUR ASPIRATION ET REFOULEMENT EN EPDM MULTI-USAGE  
 SAUG-UND DRUCKSCHLAUCH GENERELL ANWENDUNGEN AUS EPDM GUMMI



| APPLICAZIONE  | APPLICATION   | APPLICATION   | ANWENDUNG  |
|---|---|---|--|
| Aspirazione e mandata, multiuso per prodotti chimici, acqua calda ed acqua di mare  | Suction and delivery hose for multiple use as, chemicals, hot water and sea water               | Tuyau pour aspiration et refoulement, multiusage, pour chimiques, eau chaude, eau de mer                      | Universal-Saug- und Druckschlauch, zum Durchleiten von Chemikalien, Heißwasser und Seewasser |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>   | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse, en caoutchouc <b>EPDM</b>  | Schwarz, glatt, <b>EPDM</b> -Qualität  |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con spirali metalliche incorporate  | High strength synthetic plies with steel wire spirals   | Nappes synthétiques très résistantes avec spirales métalliques  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale                |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia, ad impressione tela in gomma <b>EPDM</b> , resistente al calore, all'acqua di mare ed agli agenti atmosferici | Black, smooth, cloth impression <b>EPDM</b> rubber, resistant to heat, sea water and weathering | <b>EPDM</b> noir, lisse, grain toile, résistant à la température, à l'eau de mer et aux agents atmosphériques | Schwarz, stoffgemustert, <b>EPDM</b> -Qualität, hitze-, seewasser- und Witterungsbeständig   |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40 °C+120°C  | -40°F +248°F  | -40 °C+120°C  | -40 °C+120°C   |

| ID |        | OD |         | WEIGHT | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |
|----|--------|----|---------|--------|-----|-----|-----|-----|----------------|--------|-------------|
| mm | inch   | mm | inch    | kg/m   | bar | psi | bar | psi | mm             | bar    | m           |
| 13 | 1/2    | 23 | 29/32   | 0,41   | 10  | 150 | 30  | 450 | 80             | 0,9    | 40          |
| 16 | 5/8    | 26 | 1 1/32  | 0,50   | 10  | 150 | 30  | 450 | 90             | 0,9    | 40          |
| 18 | 23/32  | 28 | 1 3/32  | 0,52   | 10  | 150 | 30  | 450 | 110            | 0,9    | 40          |
| 19 | 3/4    | 29 | 1 5/32  | 0,53   | 10  | 150 | 30  | 450 | 115            | 0,9    | 40          |
| 20 | 25/32  | 30 | 1 3/16  | 0,55   | 10  | 150 | 30  | 450 | 120            | 0,9    | 40          |
| 25 | 1      | 35 | 1 3/8   | 0,70   | 10  | 150 | 30  | 450 | 150            | 0,9    | 40          |
| 30 | 1 3/16 | 40 | 1 9/16  | 0,78   | 10  | 150 | 30  | 450 | 180            | 0,9    | 40          |
| 32 | 1 1/4  | 43 | 1 11/16 | 0,95   | 10  | 150 | 30  | 450 | 190            | 0,9    | 40          |
| 35 | 1 3/8  | 46 | 1 13/16 | 1,09   | 10  | 150 | 30  | 450 | 210            | 0,9    | 40          |
| 38 | 1 1/2  | 49 | 1 15/16 | 1,21   | 10  | 150 | 30  | 450 | 230            | 0,9    | 40          |
| 40 | 1 9/16 | 51 | 2       | 1,30   | 10  | 150 | 30  | 450 | 240            | 0,9    | 40          |
| 45 | 1 3/4  | 57 | 2 1/4   | 1,62   | 10  | 150 | 30  | 450 | 270            | 0,9    | 40          |
| 51 | 2      | 63 | 2 1/2   | 1,77   | 10  | 150 | 30  | 450 | 310            | 0,9    | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





**MULTIPURPOSE** **SD** **CHEMICAL** **SEA WATER** **HOT WATER** **W.P. 10 BAR** **ITALY** tubi gomma torino



# **RAILWAY**

TUBI PER FERROVIE | RAILWAYS HOSES  
TUYAUX POUR CHEMIN DE FER | EISENBAHN ANWENDUNGEN



|                         |  DESCRIZIONE |  DESCRIPTION |  DESCRIPTION |  ANWENDUNG | page |
|-------------------------|---|---|---|---|------|
| <b><i>BRAKERAIL</i></b> | TUBO PER IMPIANTI FRENANTI DEI TRENI  | AIR BRAKE HOSES FOR TRAINS AND WAGONS   | TUYAU POUR LE FREINS DU CHEMIN DE FER   | BREMSSCHLAUCH FÜR EISENBAHNEN UND WAGONS  | 146  |
| <b><i>INSURAIL</i></b>  | TUBO PROTEZIONE CAVI ELETTRICI FERROVIARI   | RUBBER SLEEVE FOR TRAINS AND WAGONS ELECTRICAL CABLE PROTECTION                               | FOURREAU EN CAOUTCHOUC POUR LA PROTECTION DU CABLE ELECTRIQUE DU CHEMIN DE FER                | GUMMI-KABELNSCHUTZSCHLAUCH FÜR EISENBAHNEN UND WAGONS   | 147  |



# BRAKERAIL

TUBO PER IMPIANTI FRENANTI DEI TRENI | AIR BRAKE HOSES FOR TRAINS AND WAGONS  
TUYAU POUR LE FREINS DU CHEMIN DE FER | BREMSSCHLAUCH FÜR EISENBAHNEN UND WAGONS



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Tubo per impianti frenanti treni.<br>Resistente al fuoco, bassa tossicità ed emissione fumi                            | Compressed air brake hose, for trains and wagons, low smoke emissions and toxicity                      | Tuyau air comprimé pour le freins du chemin de fer. Résistant au feu, basse toxicité et émission des fumées | Druckluft-Bremsschlauch, für Eisenbahnen und Wagons, niedrige Emission und Toxizität             |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>sintetica</b>   | Black, smooth, <b>synthetic</b> rubber compound   | Noir, lisse, en caoutchouc <b>synthétique</b>   | Schwarz, glatt, <b>synthetische</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistant  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia ad impressione tela in gomma <b>sintetica</b> , resistente al calore, all'olio ed agli agenti atmosferici | Black, smooth, cloth impression <b>synthetic</b> rubber compound, resistant to heat, oil and weathering | <b>Synthétique</b> noir, lisse, résistant à la température, à l'huile et aux agents atmosphériques          | Schwarz, stoffgemustert, <b>synthetische</b> Gummi-Mischung, hitze-, öl- und Witterungsbeständig |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| UNI 4645, TRENITALIA 373407 ESP.03   | UNI 4645, TRENITALIA 373407 ESP.03  | UNI 4645, TRENITALIA 373407 ESP.03  | UNI 4645, TRENITALIA 373407 ESP.03   |

| ID |        | OD |         | WEIGHT | BP  |      |
|----|--------|----|---------|--------|-----|------|
| mm | inch   | mm | inch    | kg/m   | bar | psi  |
| 13 | 1/2    | 23 | 2 9/32  | 0,34   | 75  | 1125 |
| 22 | 7/8    | 37 | 1 29/64 | 0,60   | 75  | 1125 |
| 28 | 1 7/64 | 45 | 1 3/4   | 1,15   | 75  | 1125 |
| 38 | 1 1/2  | 56 | 2 17/32 | 1,55   | 75  | 1125 |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

TGT BRAKERAIL

Q/Y

UNI 4645

ITALY

tubi gomma torino



# INSURAIL

TUBO PROTEZIONE CAVI ELETTRICI FERROVIARI  
 RUBBER SLEEVE FOR TRAINS AND WAGONS ELECTRICAL CABLE PROTECTION  
 FOURREAU EN CAOUTCHOUC POUR LA PROTECTION DU CABLE ELECTRIQUE DU CHEMIN DE FER  
 GUMMI-KABELNSCHUTZSCHLAUCH FÜR EISENBAHNEN UND WAGONS



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|--|---|--|
| Tubo per protezione dei cavi elettrici ferroviari e tramviari, supera ampiamente i requisiti minimi, secondo le relative normative, di isolamento elettrico, di resistenza al fuoco, di trasparenza e tossicità dei fumi | Rubber hose protection used in trains and railways vehicles electrical cables. Exceeds the min requirements for electrical insulation, fire resistance, smokes transparency and toxicity | Tuyau pour la protections des câbles électriques du chemin de fer et des trams. Résistant au feu, toxicité et niveau des emission des fumés selon le relatif cahier de charge | Schutzschlauch, zum Einsatz in Eisenbahnen, zum Schutz von Elektrokabeln. Übertrifft die Anforderungen an elektrische Isolation, Feuerfestigkeit, Rauchentwicklung und Toxizität |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>sintetica</b>   | Black, smooth, <b>synthetic</b> rubber compound  | Noir, lisse, en caoutchouc <b>synthétique</b>   | Schwarz, glatt, <b>synthetische</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistant  | Hochreißfestes synthetisches Cordgewebe  |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia ad impressione tela in gomma <b>sintetica</b> , resistente al calore, all'olio ed agli agenti atmosferici   | Black, smooth, cloth impression <b>synthetic</b> rubber compound, resistant to heat, oil and weathering  | <b>Synthétique</b> noir, lisse, résistant à la température, à l'huile et aux agents atmosphériques  | Schwarz, stoffgemustert, <b>synthetische</b> Gummi-Mischung, hitze-, öl- und Witterungsbeständig   |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN   |
| CEI 2037 - 2038 TRENITALIA 304188 ESP.03   | CEI 2037 - 2038 TRENITALIA 304188 ESP.03   | CEI 2037 - 2038 TRENITALIA 304188 ESP.03  | CEI 2037 - 2038 TRENITALIA 304188 ESP.03   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -30°C +80°C  | -22°F +176°F   | -30°C +80°C   | -30°C +80°C  |

| ID |         | OD |         | COIL LENGTH |
|----|---------|----|---------|-------------|
| mm | inch    | mm | inch    | m           |
| 15 | 19/32   | 20 | 25/32   | 20/40       |
| 16 | 5/8     | 21 | 53/64   | 20/40       |
| 18 | 23/32   | 23 | 29/32   | 20/40       |
| 22 | 7/8     | 27 | 1 1/16  | 20/40       |
| 28 | 1 1/8   | 33 | 1 19/64 | 20/40       |
| 30 | 1 3/16  | 35 | 1 3/8   | 20/40       |
| 35 | 1 3/8   | 40 | 1 9/16  | 20/40       |
| 38 | 1 1/2   | 43 | 1 11/16 | 20/40       |
| 42 | 1 21/32 | 47 | 1 27/32 | 20/40       |
| 45 | 1 25/32 | 50 | 1 31/32 | 20/40       |
| 51 | 2       | 56 | 2 13/64 | 20/40       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**INSURAIL**

O/Y

TRENITALIA

spec. 304188 esp. 03

ITALY



tubi gomma torino



# **OFFSHORE**

OFFSHORE | OFFSHORE  
OFFSHORE | OFFSHORE

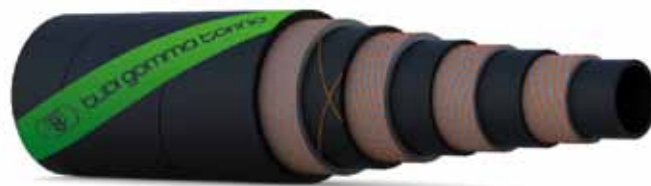


|                | DESCRIZIONE                  | DESCRIPTION  | DESCRIPTION   | ANWENDUNG  | page  |     |
|----------------|------------------------------|--|---|--|---|-----|
| MUD & WATER    | <b>ABRAMUD SW /20</b>        | TUBO MANDATA FANGHI DI TRIVELLAZIONE   | DELIVERY HOSE FOR DRILLING MUDS   | TUYAU POUR REFOULEMENT DES BOUES DE FORAGE   | DRUCKSCHLAUCH FÜR BOHRSCHLAMM                           | 150 |
|                | <b>ABRAMUD HW /20</b>        | TUBO ASPIRAZIONE E MANDATA FANGHI DI TRIVELLAZIONE   | SUCTION AND DELIVERY HOSE FOR DRILLING MUDS                                 | TUYAU POUR ASPIRATION ET REFOULEMENT DES BOUES DE FORAGE   | SAUG-UND DRUCKSCHLAUCH FÜR BOHRSCHLAMM                  | 151 |
|                | <b>AQUACLEANING SW /20</b>   | TUBO MANDATA ACQUA PULIZIA SERBATOI  | DELIVERY HOSE FOR WATER TANK CLEANING                                       | TUYAU POUR REFOULEMENT D'EAU POUR NETTOYAGE DE RESERVOIRES   | DRUCKSCHLAUCH FÜR WASSERTANK-REINIGUNG                  | 152 |
|                | <b>AQUADRILL SW /20</b>      | TUBO MANDATA ACQUA DI TRIVELLAZIONE  | WATER DELIVERY HOSE FOR DRILLING EQUIPMENT                                  | TUYAU POUR REFOULEMENT D'EAU DE FORAGE   | WASSERDRUCKSCHLAUCH FÜR BOHRAUSRÜSTUNGEN                | 153 |
| POTABLE WATER  | <b>AQUARIG SW /16</b>        | TUBO MANDATA ACQUA POTABILE  | DELIVERY HOSE FOR POTABLE WATER   | TUYAU POUR REFOULEMENT D'EAU   | DRUCKSCHLAUCH FÜR TRINKWASSER                           | 154 |
|                | <b>AQUARIG HW /35</b>        | TUBO ASPIRAZIONE E MANDATA ACQUA POTABILE  | SUCTION AND DELIVERY HOSE FOR POTABLE WATER                                 | TUYAU POUR ASPIRATION ET REFOULEMENT D'EAU   | SAUG-UND DRUCKSCHLAUCH FÜR TRINKWASSER                  | 155 |
| BULK MATERIALS | <b>ABRABULK SW /20</b>       | TUBO MANDATA MATERIALI ABRASIVI  | DELIVERY HOSE FOR ABRASIVE MATERIALS  | TUYAU POUR REFOULEMENT DE MATERIAUX ABRASIFS   | DRUCKSCHLAUCH FÜR ABRASIVE MEDIEN                       | 156 |
|                | <b>ABRABULK SW /40</b>       | TUBO MANDATA MATERIALI ABRASIVI  | DELIVERY HOSE FOR ABRASIVE MATERIALS  | TUYAU POUR REFOULEMENT DE MATERIAUX ABRASIFS   | DRUCKSCHLAUCH FÜR ABRASIVE MEDIEN                       | 157 |
| AIR & WATER    | <b>AERWATER SW /20 Y</b>     | TUBO MANDATA ARIA ED ACQUA - COPERTURA GIALLA  | AIR AND WATER DELIVERY HOSE - YELLOW COVER                                  | TUYAU POUR REFOULEMENT D'AIR ET D'EAU - REVETEMENT JAUNE   | DRUCKSCHLAUCH FÜR LUFT UND WASSER -GELBE DECKE          | 158 |
|                | <b>AERWATER SW /20 B</b>     | TUBO MANDATA ARIA ED ACQUA - COPERTURA BLU   | AIR AND WATER DELIVERY HOSE - BLUE COVER                                    | TUYAU POUR REFOULEMENT D'AIR ET D'EAU - REVETEMENT BLEU  | DRUCKSCHLAUCH FÜR LUFT UND WASSER -BLAUE DECKE          | 159 |
|                | <b>AERWATER SW /20 G</b>     | TUBO MANDATA ARIA ED ACQUA - COPERTURA VERDE   | AIR AND WATER DELIVERY HOSE - GREEN COVER                                   | TUYAU POUR REFOULEMENT D'AIR ET D'EAU - REVETEMENT VERT  | DRUCKSCHLAUCH FÜR LUFT UND WASSER -GRÜNE DECKE          | 160 |
| OIL            | <b>PETROSPIR HW /20</b>      | TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI  | SUCTION AND DELIVERY HOSE FOR PETROLEUM PRODUCTS                            | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS DE PETROLE                                       | SAUG-UND DRUCKSCHLAUCH FÜR ERDÖLPRODUKTE                | 161 |
|                | <b>PETROSPIR HW /34</b>      | TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI  | SUCTION AND DELIVERY HOSE FOR PETROLEUM PRODUCTS                            | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS DE PETROLE                                       | SAUG-UND DRUCKSCHLAUCH FÜR ERDÖLPRODUKTE                | 162 |
|                | <b>PETROBUNKER SW /15</b>    | TUBO MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI                                    | BUNKERING DELIVERY HOSE FOR PETROLEUM PRODUCTS                              | TUYAU POUR REFOULEMENT DES PRODUITS DE PETROLE DU NAVIRE AU QUAI                                   | DRUCKSCHLAUCH FÜR BUNKERSCHIFFE                         | 163 |
|                | <b>PETROBUNKER SW /20</b>    | TUBO MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI                                    | BUNKERING DELIVERY HOSE FOR PETROLEUM PRODUCTS                              | TUYAU POUR REFOULEMENT DES PRODUITS DE PETROLE DU NAVIRE AU QUAI                                   | DRUCKSCHLAUCH FÜR BUNKERSCHIFFE                         | 164 |
|                | <b>PETROBUNKER SW /34</b>    | TUBO MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI                                    | BUNKERING DELIVERY HOSE FOR PETROLEUM PRODUCTS                              | TUYAU POUR REFOULEMENT DES PRODUITS DE PETROLE DU NAVIRE AU QUAI                                   | DRUCKSCHLAUCH FÜR BUNKERSCHIFFE                         | 165 |
|                | <b>PETRODOCK HW /15</b>      | TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI                      | SUCTION AND DELIVERY DOCKING HOSE FOR PETROLEUM PRODUCTS                    | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS DE PETROLE DU NAVIRE AU QUAI                     | SAUG-UND DRUCKSCHLAUCH FÜR BUNKERSCHIFFE                | 166 |
|                | <b>PETRODOCK HW /20 - 2W</b> | TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI - COPERTURA ONDULATA | SUCTION AND DELIVERY DOCKING HOSE FOR PETROLEUM PRODUCTS - CONVOLUTED COVER | TUYAU POUR ASPIRATION ET REFOULEMENT DES PRODUITS DE PETROLE DU NAVIRE AU QUAI - REVETEMENT ONDULE | SAUG-UND DRUCKSCHLAUCH FÜR BUNKERSCHIFFE - DECKE GEWELT | 167 |



# ABRAMUD SW /20

TUBO MANDATA FANGHI DI TRIVELLAZIONE - DELIVERY HOSE FOR DRILLING MUDS  
TUYAU POUR REFOULEMENT DE BOUES DE FORAGE - DRUCKSCHLAUCH FÜR BOHRSCHLAMM



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Tubo mandata per impianti e piattaforme di perforazione, per fanghi oleosi e greggio   | Delivery hose, for drilling oil rig hose services, for petroleum muds and crude oil                                       | Tuyau refoulement pour implantations et plateformes forage, pour boues de forage melangées à de l'huile et petrole brut | Druckschlauch zur Förderung vor Bohrschlämmen und Rohölen  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NBR/PVC</b>   | Black, smooth, <b>NBR/PVC</b> rubber compound   | Noir, lisse en <b>NBR/PVC</b>   | Schwarz, glatt, Gummi-Mischung aus <b>NBR/PVC</b>  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés   | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung             |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité               | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C + 100°C  | -40°F + 212°F   | -40°C + 100°C   | -40°C + 100°C  |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 76  | 3    | 96  | 3 25/32 | 3,20   | 20  | 300 | 80  | 1200 | MAX 60      |
| 102 | 4    | 124 | 4 7/ 8  | 4,50   | 20  | 300 | 80  | 1200 | MAX 60      |
| 127 | 5    | 150 | 5 29/32 | 5,80   | 20  | 300 | 80  | 1200 | MAX 60      |
| 152 | 6    | 175 | 7       | 6,60   | 20  | 300 | 80  | 1200 | MAX 60      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRAMUD SW /20**

I.D.

W.P. 20 BAR (300 PSI)

S.F. 4:1

ITALY



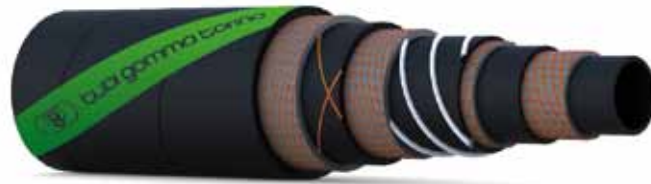
tubi gomma torino





# ABRAMUD HW /20

TUBO ASPIRAZIONE E MANDATA FANGHI DI TRIVELLAZIONE - SUCTION AND DELIVERY HOSE FOR DRILLING MUDS  
TUYAU POUR REFOULEMENT ET ASPIRATION DE BOUES DE FORAGE - SAUG- UND DRUCKSCHLAUCH FÜR BOHRSCHLAMM



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Tubo aspirazione e mandata per impianti e piattaforme di perforazione, per fanghi oleosi e greggio                           | Suction and delivery hose, for drilling oil rig hose services, for petroleum muds and crude oil                           | Tuyau aspiration et refolement pour implantations et plateformes de forage, pour boues de forage mélangées à de l'huile et pétrole brut | Saug- und Druckschlauch zur Förderung von Bohrschlämmen und Rohölen  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NBR/PVC</b>   | Black, smooth, <b>NBR/PVC</b> rubber compound   | Noir, lisse en <b>NBR/PVC</b>   | Schwarz, glatt, Gummi-Mischung aus <b>NBR/PVC</b>  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporate spirali metalliche e 2 cord in rame per la messa a terra della tubazione | High strength synthetic plies, with steel wire spirals and 2 crossing copper wires for hose grounding                     | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse noyés                                       | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung |
| COPERTURA  | COVER   | RETEVEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité                               | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                           |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C + 100°C  | -40°F + 212°F   | -40°C + 100°C   | -40°C + 100°C  |

| ID  | OD   | WEIGHT |         | WP   | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |     |        |
|-----|------|--------|---------|------|-----|-----|----------------|--------|-------------|-----|--------|
| mm  | inch | mm     | inch    | kg/m | bar | psi | bar            | psi    | mm          | bar | mt     |
| 76  | 3    | 96     | 3 25/32 | 3,20 | 20  | 300 | 80             | 1200   | 350         | 0,9 | MAX 60 |
| 102 | 4    | 124    | 4 7/8   | 4,50 | 20  | 300 | 80             | 1200   | 480         | 0,9 | MAX 60 |
| 127 | 5    | 150    | 5 29/32 | 5,80 | 20  | 300 | 80             | 1200   | 850         | 0,9 | MAX 60 |
| 152 | 6    | 175    | 7       | 6,60 | 20  | 300 | 80             | 1200   | 1000        | 0,9 | MAX 60 |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRAMUD HW /20**

I.D.

W.P. 20 BAR (300 PSI)

S.F. 4:1

ITALY

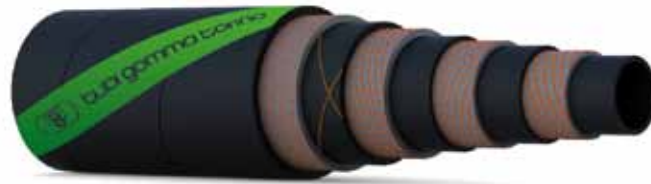


tubi gomma torino



# AQUACLEANING SW /20

TUBO MANDATA PULIZIA SERBATOI - DELIVERY HOSE FOR WATER TANK CLEANING  
TUYAU REFOULEMENT POUR NETTOYAGE DE RESERVOIRES - DRUCKSCHLAUCH FÜR WASSERTANK-REINIGUNG



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Tubo mandata per lavaggio cisterne, per acqua e detersivi  | Delivery hose, for tank cleaning with water and detergents  | Tuyau refolement pour nettoyage de citernes, pour eau et détergents                                       | Druckschlauch für Tankreinigung, zur Förderung von Wasser und Reinigungsmitteln                  |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en <b>EPDM</b>  | Schwarz, glatt, <b>EPDM</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés                                 | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung             |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C + 120°C  | -40°F + 212°F   | -40°C + 120°C   | -40°C + 120°C  |

| ID   |         | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|------|---------|----|---------|--------|-----|-----|-----|------|-------------|
| mm   | inch    | mm | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 38   | 1 1/2   | 54 | 2 1/8   | 1,50   | 20  | 300 | 80  | 1200 | MAX 60      |
| 45   | 1 25/32 | 61 | 2 13/32 | 1,80   | 20  | 300 | 80  | 1200 | MAX 60      |
| 51   | 2       | 68 | 2 11/16 | 2,10   | 20  | 300 | 80  | 1200 | MAX 60      |
| 63,5 | 2 1/2   | 83 | 3 9/32  | 2,50   | 20  | 300 | 80  | 1200 | MAX 60      |

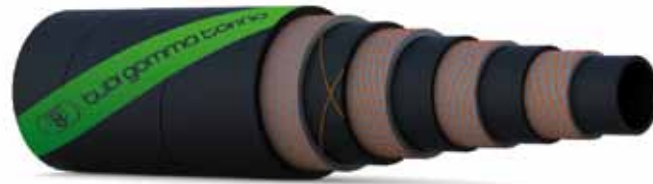
IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AQUACLEANING SW /20** I.D. W.P. 20 BAR (300 PSI) S.F. 4:1 ITALY tubi gomma torino



# AQUADRILL SW /20

TUBO MANDATA ACQUA PER TRIVELLAZIONE - WATER DELIVERY HOSE FOR DRILLING EQUIPMENTS  
TUYAU POUR REFOULEMENT D'EAU DE FORAGE - WASSERDRUCKSCHLAUCH FÜR BOHRAUSRÜSTUNGEN



| APPLICAZIONE   | APPLICATION   | APPLICATION   | ANWENDUNG  |
|--|---|---|--|
| Tubo mandata d'acqua per trivelle di perforazione su piattaforme   | Delivery hose for water drilling equipments on the oil rigs   | Tuyau refoulement d'eau pour les huiles de forage sur plateformes   | Wasserdruckschlauch zur Kühlung von Bohrgestängen auf Ölbohr-Plattformen                         |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>EPDM</b>  | Black, smooth, <b>EPDM</b> rubber compound  | Noir, lisse en <b>EPDM</b>  | Schwarz, glatt, <b>EPDM</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés                                 | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung             |
| COPERTURA  | COVER   | RETEVEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C + 120°C  | -40°F + 212°F   | -40°C + 120°C   | -40°C + 120°C  |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 76  | 3    | 96  | 3 25/32 | 3,60   | 20  | 300 | 80  | 1200 | MAX 60      |
| 102 | 4    | 124 | 4 7/8   | 4,70   | 20  | 300 | 80  | 1200 | MAX 60      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**AQUADRILL SW /20**

I.D.

W.P. 20 BAR (300 PSI)

S.F. 4:1

ITALY

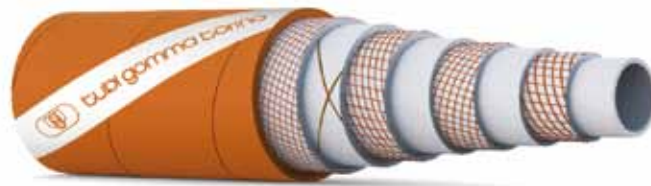


tubi gomma torino



# AQUARIG SW /16

TUBO MANDATA ACQUA POTABILE - DELIVERY HOSE FOR POTABLE WATER  
TUYAU POUR REFOULEMENT D'EAU POTABLE - DRUCKSCHLAUCH FÜR TRINKWASSER



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG   |
|---|--|--|--|
| Tubo mandata acqua potabile per le piattaforme di perforazione  | Delivery hose for potable water on the oil rigs  | Tuyau refoulement d'eau potable pour les plateformes de forage   | Trinkwasserdruckschlauch für Ölbohr-Plattformen  |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR   | INNENSEELE   |
| Bianco, liscio in gomma <b>BIIR</b> , di qualità alimentare inodore ed insapore, confezionato su mandrini in acciaio inox | White, smooth <b>BIIR</b> rubber compound food quality, odourless and taste free, manufactured on stainless steel mandrels | Blanc, lisse en <b>BIIR</b> de qualité alimentaire inodore et sans saveur, fabriqué sur mandrins en inox | Weiss, glatt <b>BIIR</b> Gummi, Lebensmittelqualität, geruchs- und geschmacksfrei, auf rostfreiem Dorn hergestellt |
| RINFORZO  | REINFORCEMENT  | ARMATURE   | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                   | High tensile synthetic plies with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés                                | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung                               |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR   | DECKE  |
| Aranzone, liscia in gomma <b>EPDM</b> ad impressione tela, resistente all'acqua di mare ed agli agenti atmosferici        | Orange, smooth cloth impression, <b>EPDM</b> rubber compound sea water and weather resistant                               | <b>EPDM</b> orange lisse, grain toile résistant à l'eau de mer et aux agents atmosphériques              | Orange, <b>EPDM</b> Gummi, stoffgemustert, Salzwasser- und Witterungsbeständig                                     |
| NORME   | SPECIFICATIONS   | NORMES   | NORMEN   |
| FDA   | FDA  | FDA  | FDA  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR   |
| -40°C + 120°C   | -40°F + 212°F  | -40°C + 120°C  | -40°C + 120°C  |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi | mt          |
| 51  | 2    | 71  | 2 51/64 | 1,5    | 16  | 240 | 48  | 720 | 40          |
| 76  | 3    | 101 | 3 31/32 | 2,5    | 16  | 240 | 48  | 720 | 40          |
| 102 | 4    | 132 | 5 13/64 | 3,2    | 16  | 240 | 48  | 720 | 40          |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AQUARIG SW /16** **I.D.** **FDA** **W.P. 16 BAR (240 PSI)** **F.S. 3:1** ITALY **tubi gomma torino**



# AQUARIG HW /35

TUBO ASPIRAZIONE E MANDATA ACQUA POTABILE - SUCTION AND DELIVERY HOSE FOR POTABLE WATER  
TUYAU POUR REFOULEMENT ET ASPIRATION D'EAU POTABLE - SAUG- UND DRUCKSCHLAUCH FÜR TRINKWASSER



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|---|--|---|--|
| Tubo aspirazione e mandata acqua potabile per le piattaforme di perforazione  | Suction and delivery hose for potable water on the oil rigs  | Tuyau aspiration et refoulement d'eau potable pour les plateformes de forage                                | Trinkwassersaug - und Druckschlauch für Ölbohr-Plattformen   |
| SOTTOSTRATO   | TUBE   | TUBE INTERIEUR  | INNENSEELE   |
| Bianco, liscio in gomma <b>BIIR</b> , di qualità alimentare inodore ed insapore, confezionato su mandrini in acciaio inox     | White, smooth <b>BIIR</b> rubber compound food quality, odourless and taste free, manufactured on stainless steel mandrels | Blanc, lisse, en <b>BIIR</b> , de qualité alimentaire inodore et sans saveur, fabriqué sur mandrins en inox | Weiss, glatt <b>BIIR</b> Gummi, Lebensmittelqualität, geruchs- und geschmacksfrei. Auf rostfreierdorn hergestellt          |
| RINFORZO  | REINFORCEMENT  | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporate spirali metalliche e 2 cordi in rame per la messa a terra della tubazione | High strength synthetic plies, with steel wire spirals and 2 crossing copper wires for hose grounding                      | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse noyés           | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung |
| COPERTURA   | COVER  | REVETEMENT EXTERIEUR  | DECKE  |
| Aranzone, liscia in gomma <b>EPDM</b> ad impressione tela, resistente all'acqua di mare ed agli agenti atmosferici            | Orange, smooth cloth impression, <b>EPDM</b> rubber compound, sea water and weather resistant                              | <b>EPDM</b> orange, lisse, grain toile, résistant à l'eau de mer et aux agents atmosphériques               | Orange, <b>EPDM</b> Gummi, stoffgemustert, Salzwasser- und Witterungsbeständig   |
| NORME   | SPECIFICATIONS   | NORMES  | NORMEN   |
| FDA   | FDA  | FDA   | FDA  |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -40°C + 120°C   | -40°F + 212°F  | -40°C + 120°C   | -40°C + 120°C  |

| ID  | OD   | WEIGHT |         | WP  |     | BP  |     | BENDING RADIUS | VACUUM | COIL LENGTH |    |
|-----|------|--------|---------|-----|-----|-----|-----|----------------|--------|-------------|----|
| mm  | inch | kg/m   | bar     | psi | bar | psi | mm  | bar            | mt     |             |    |
| 51  | 2    | 71     | 2 51/64 | 2,2 | 35  | 525 | 105 | 1575           | 220    | 0,9         | 40 |
| 76  | 3    | 101    | 3 31/32 | 3,3 | 35  | 525 | 105 | 1575           | 350    | 0,9         | 40 |
| 102 | 4    | 132    | 5 13/64 | 5,9 | 35  | 525 | 105 | 1575           | 610    | 0,9         | 40 |

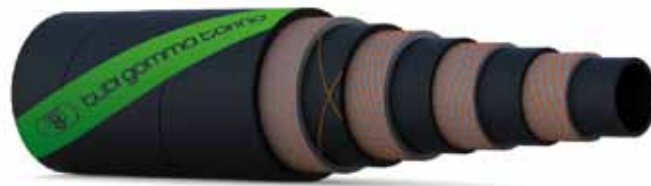
IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AQUARIG HW /35** **I.D.** **FDA** **W.P. 35 BAR (525 PSI)** **F.S. 3:1** ITALY tubi gomma torino



# ABRABULK SW /20

TUBO MANDATA MATERIALI ABRASIVI - DELIVERY HOSE FOR ABRASIVE MATERIALS  
TUYAU POUR REFOULEMENT DE MATERIAUX ABRASIFS - DRUCKSCHLAUCH FÜR ABRASIVE MEDIEN



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Tubo mandata materiali abrasivi, su banchine e piattaforme di perforazione   | Delivery hose for bulk abrasives materials, docks and oil rigs services   | Tuyau pour refolement de materiaux abrasifs, sur les quais et plateformes de forage                       | Druckschlauch zur Förderung von abrasiven Medien, schwere Ausführung, zur Anwendung auf Ölbohr-Plattformen und im Werftbetrieb |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NR</b> , molto resistente all'abrasione   | Black, smooth, <b>NR</b> rubber compound highly resistant to abrasion   | Noir, lisse, en <b>NR</b> , très résistant à l'abrasion   | Schwarz, glatt, <b>NR</b> Gummi, hochAbriebfest  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés                                 | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                               |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| DIN 53516 50 ± 5mm <sup>3</sup>  | DIN 53516 50 ± 5mm <sup>3</sup>   | DIN 53516 50 ± 5mm <sup>3</sup>   | DIN 53516 50 ± 5mm <sup>3</sup>  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -30°C + 80°C   | -22°F + 176°F   | -30°C + 80°C  | -30°C + 80°C   |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 76  | 3    | 96  | 3 25/32 | 3,20   | 20  | 300 | 80  | 1200 | MAX 60      |
| 102 | 4    | 124 | 4 7/8   | 4,30   | 20  | 300 | 80  | 1200 | MAX 60      |
| 127 | 5    | 149 | 5 7/8   | 5,50   | 20  | 300 | 80  | 1200 | MAX 60      |
| 152 | 6    | 174 | 6 27/32 | 7,00   | 20  | 300 | 80  | 1200 | MAX 60      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**ABRABULK SW /20**

I.D.

W.P. 20 BAR (300 PSI)

S.F. 4:1

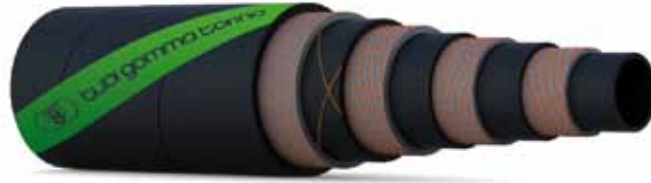
ITALY









tubi gomma torino

# ABRABULK SW /40

TUBO MANDATA MATERIALI ABRASIVI - DELIVERY HOSE FOR ABRASIVE MATERIALS  
TUYAU POUR REFOULEMENT DE MATERIAUX ABRASIFS - DRUCKSCHLAUCH FÜR ABRASIVE MEDIEN



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG   |
|--|---|---|--|
| Tubo mandata materiali abrasivi, su banchine e piattaforme di perforazione   | Delivery hose for bulk abrasives materials, docks and oil rigs services   | Tuyau pour refoulement de materiaux abrasifs, sur les quais et plateformes de forage                      | Druckschlauch zur Förderung von abrasiven Medien, schwere Ausführung, zur Anwendung auf Ölbohr-Plattformen und im Werftbetrieb |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE   |
| Nero, liscio in gomma <b>NR</b> , molto resistente. all'abrasione  | Black, smooth, <b>NR</b> rubber compound highly resistant to abrasion   | Noir, lisse, en <b>NR</b> , très résistant à l'abrasion   | Schwarz, glatt, <b>NR</b> Gummi, hochAbriebfest  |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN   |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés                                 | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE  |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                               |
| NORME  | SPECIFICATIONS  | NORMES  | NORMEN   |
| DIN 53516 50 ± 5mm <sup>3</sup>  | DIN 53516 50 ± 5mm <sup>3</sup>   | DIN 53516 50 ± 5mm <sup>3</sup>   | DIN 53516 50 ± 5mm <sup>3</sup>  |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR   |
| -30°C + 80°C   | -22°F + 176°F   | -30°C + 80°C  | -30°C + 80°C   |

|  |      |  |         |  |  |     |  |      |  |
|---|------|---|---------|---|---|-----|---|------|---|
| ID  |      | OD  |         | WEIGHT  | WP  |     | BP  |      | COIL LENGTH   |
| mm  | inch | mm  | inch    | kg/m  | bar   | psi | bar   | psi  | mt  |
| 127   | 5    | 160   | 6 19/64 | 8,50  | 40  | 600 | 160   | 2400 | MAX 60  |
| 152   | 6    | 185   | 7 9/32  | 10,50   | 40  | 600 | 160   | 2400 | MAX 60  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG



**ABRABULK SW /40**

I.D.

W.P. 40 BAR (600 PSI)

S.F. 4:1

ITALY

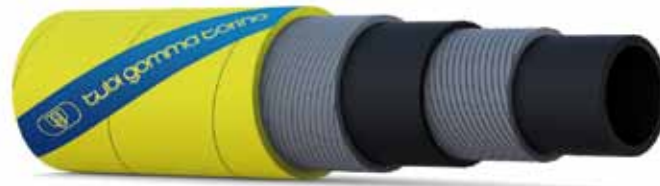


tubi gomma torino



# AERWATER SW /20 Y

TUBO MANDATA ARIA E ACQUA COPERTURA GIALLA - DELIVERY HOS E FOR AIR AND WATER YELLOW COVER  
TUYAU POUR REFOULEMENT D'AIR ET D'EAU REVETEMENT JAUNE - DRUCKSCHLAUCH FÜR LUFT UND WASSER GELBE DECKE



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|---|---|---|---|
| Tubo giallo mandata aria e acqua, per impiego su banchine e piattaforme di perforazione                                       | Yellow air and water delivery hoses, for docks & oil rigs services  | Tuyau jaune pour refoulement d'air et d'eau, pour application sur quais et plateformes de forage            | Druckschlauch mit gelber Decke, zur Förderung von Luft und Wasser, zur Anwendung auf Ölbohr-Plattformen und im Werftbetrieb |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>  | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse, en <b>SBR</b>  | Schwarz, glatt, <b>SBR</b> Gummi-Mischung   |
| RINFORZO  | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità  | High strength synthetic plies   | Nappes synthétiques très résistantes  | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Gialla, liscia in gomma <b>SBR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare ed agli agenti atmosferici | Yellow, smooth cloth impression, <b>SBR</b> rubber compound, oil, grease, sea water and weather resistant | <b>SBR</b> jaune, lisse, grain toile, résistant à l'huile, graisse, eau de mer et aux agents atmosphériques | Gelb, <b>SBR</b> Gummi, stoffgemustert, Öl-, Fett-, Seewasser - und Witterungsbeständig                                     |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C + 80°C  | -22°F + 176°F   | -30°C + 80°C  | -30°C + 80°C  |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|------|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 13 | 1/2   | 23 | 29/32   | 0,40   | 20  | 300 | 80  | 1200 | 40/61       |
| 19 | 3/4   | 30 | 1 3/16  | 0,60   | 20  | 300 | 80  | 1200 | 40/61       |
| 25 | 1     | 37 | 1 15/32 | 0,90   | 20  | 300 | 80  | 1200 | 40/61       |
| 32 | 1 1/4 | 44 | 1 29/32 | 1,20   | 20  | 300 | 80  | 1200 | 40/61       |
| 38 | 1 1/2 | 52 | 2 1/16  | 1,65   | 20  | 300 | 80  | 1200 | 40/61       |
| 51 | 2     | 64 | 2 17/32 | 2,10   | 20  | 300 | 80  | 1200 | 40/61       |
| 51 | 2     | 67 | 2 41/64 | 2,50   | 20  | 300 | 80  | 1200 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AERWATER SW /20 Y** I.D. W.P. 20 BAR (300 PSI) S.F. 4:1 ITALY tubi gomma torino





# AERWATER SW /20 B

TUBO MANDATA ARIA E ACQUA COPERTURA BLU - DELIVERY HOS E FOR AIR AND WATER BLUE COVER  
TUYAU POUR REFOULEMENT D'AIR ET D'EAU REVETEMENT BLEU - DRUCKSCHLAUCH FÜR LUFT UND WASSER - BLAUE DECKE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|---|--|---|
| Tubo blu mandata aria e acqua, per impiego su banchine e piattaforme di perforazione                                       | Blue air and water delivery hoses, for docks & oil rigs services  | Tuyau bleu pour refoulement d'air et d'eau, pour application sur quais et plateformes de forage            | Druckschlauch mit blauer Decke, zur Förderung von Luft und Wasser, zur Anwendung auf Ölbohr-Plattformen und im Werftbetrieb |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound   | Noir, lisse, en <b>SBR</b>   | Schwarz, glatt, <b>SBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità   | High strength synthetic plies   | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Blu, liscia in gomma <b>SBR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare ed agli agenti atmosferici | Blue, smooth cloth impression, <b>SBR</b> rubber compound, oil, grease, sea water and weather resistant | <b>SBR</b> bleu, lisse, grain toile, résistant à l'huile, graisse, eau de mer et aux agents atmosphériques | Blau, <b>SBR</b> Gummi, stoffgemustert, Öl-, Fett-, Seewasser- und Witterungsbeständig                                      |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C + 80°C   | -22°F + 176°F   | -30°C + 80°C   | -30°C + 80°C  |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|------|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 13 | 1/2   | 23 | 29/32   | 0,40   | 20  | 300 | 80  | 1200 | 40/61       |
| 19 | 3/4   | 30 | 1 3/16  | 0,60   | 20  | 300 | 80  | 1200 | 40/61       |
| 25 | 1     | 37 | 1 15/32 | 0,90   | 20  | 300 | 80  | 1200 | 40/61       |
| 32 | 1 1/4 | 44 | 1 29/32 | 1,20   | 20  | 300 | 80  | 1200 | 40/61       |
| 38 | 1 1/2 | 52 | 2 1/16  | 1,65   | 20  | 300 | 80  | 1200 | 40/61       |
| 51 | 2     | 64 | 2 17/32 | 2,10   | 20  | 300 | 80  | 1200 | 40/61       |
| 51 | 2     | 67 | 2 41/64 | 2,50   | 20  | 300 | 80  | 1200 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

I.D.
W.P. 20 BAR (300 PSI)
S.F. 4:1
ITALY



# AERWATER SW /20 G

TUBO MANDATA ARIA E ACQUA COPERTURA VERDE - DELIVERY HOS E FOR AIR AND WATER GREEN COVER  
 TUYAU POUR REFOULEMENT D'AIR ET D'EAU REVETEMENT VERT - DRUCKSCHLAUCH FÜR LUFT UND WASSER GRÜNE DECKE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Tubo verde mandata aria e acqua, per impiego su banchine e piattaforme di perforazione                                       | Green air and water delivery hoses, for docks & oil rigs services  | Tuyau vert pour refoulement d'air et d'eau, pour application sur quais et plateformes de forage            | Druckschlauch mit grüner Decke, zur Förderung von Luft und Wasser, zur Anwendung auf Ölbohr-Plattformen und im Werftbetrieb |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>SBR</b>   | Black, smooth, <b>SBR</b> rubber compound  | Noir, lisse, en <b>SBR</b>   | Schwarz, glatt, <b>SBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità   | High strength synthetic plies  | Nappes synthétiques très résistantes   | Hochreißfestes synthetisches Cordgewebe   |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Verde, liscia in gomma <b>SBR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare ed agli agenti atmosferici | Green, smooth cloth impression, <b>SBR</b> rubber compound, oil, grease, sea water and weather resistant | <b>SBR</b> vert, lisse, grain toile, résistant à l'huile, graisse, eau de mer et aux agents atmosphériques | Grün, <b>SBR</b> Gummi, stoffgemustert, Öl-, Fett-, Seewasser - und Witterungsbeständig                                     |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C + 80°C   | -22°F + 176°F  | -30°C + 80°C   | -30°C + 80°C  |

| ID |       | OD |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|----|-------|----|---------|--------|-----|-----|-----|------|-------------|
| mm | inch  | mm | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 13 | 1/2   | 23 | 29/32   | 0,40   | 20  | 300 | 80  | 1200 | 40/61       |
| 19 | 3/4   | 30 | 1 3/16  | 0,60   | 20  | 300 | 80  | 1200 | 40/61       |
| 25 | 1     | 37 | 1 15/32 | 0,90   | 20  | 300 | 80  | 1200 | 40/61       |
| 32 | 1 1/4 | 44 | 1 29/32 | 1,20   | 20  | 300 | 80  | 1200 | 40/61       |
| 38 | 1 1/2 | 52 | 2 1/16  | 1,65   | 20  | 300 | 80  | 1200 | 40/61       |
| 51 | 2     | 64 | 2 17/32 | 2,10   | 20  | 300 | 80  | 1200 | 40/61       |
| 51 | 2     | 67 | 2 41/64 | 2,50   | 20  | 300 | 80  | 1200 | 40/61       |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**AERWATER SW /20 G**

I.D.

W.P. 20 BAR (300 PSI)

S.F. 4:1

ITALY



tubi gomma torino



# PETROSPIR HW /20

TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI - SUCTION AND DELIVERY HOSE FOR PETROLEUM PRODUCTS  
TUYAU POUR REFOULEMENT ET ASPIRATION DE PRODUITS DE PETROLE - SAUG UND DRUCKSCHLAUCH FÜR ERDÖLPRODUKTE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|---|---|---|
| Tubo aspirazione e mandata su piattaforme di perforazione per trasporto greggio e carburanti con contenuto aromatico fino al 50% | Suction and delivery hose for crude oil and mixed fuels with aromatic contents up to 50%, offshore and onshore operations | Tuyau pour aspiration et refoulement transport de petrole brut et carburants avec teneur en aromatiques jusqu'à 50% sur les plateformes de forage | Saug- und Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50%, zur Anwendung auf Ölbohr-Plattformen |
| SOTTOSTRATO  | TUBE  | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth, <b>NBR</b> rubber compound   | Noir, lisse, en <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT   | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporate spirali metalliche e 2 cord in rame per la messa a terra della tubazione     | High strength synthetic plies, with steel wire spirals and 2 crossing copper wires for hose grounding                     | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse noyés   | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung          |
| COPERTURA  | COVER   | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità     | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité   | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                                    |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE   | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C + 100°C  | -22°F + 212°F   | -30°C + 100°C   | -30°C + 100°C   |

| ID   | OD    | WEIGHT |     | WP  | BP  |      | BENDING RADIUS | VACUUM | COIL LENGTH |  |  |
|------|-------|--------|-----|-----|-----|------|----------------|--------|-------------|--|--|
| mm   | inch  | kg/m   | bar | psi | bar | psi  | mm             | bar    | mt          |  |  |
| 51   | 2     | 2,90   | 20  | 300 | 80  | 1200 | 280            | 0,9    | MAX 60      |  |  |
| 63,5 | 2 1/2 | 3,70   | 20  | 300 | 80  | 1200 | 360            | 0,9    | MAX 60      |  |  |
| 76   | 3     | 4,60   | 20  | 300 | 80  | 1200 | 440            | 0,9    | MAX 60      |  |  |
| 102  | 4     | 7,30   | 20  | 300 | 80  | 1200 | 630            | 0,9    | MAX 60      |  |  |
| 127  | 5     | 8,90   | 20  | 300 | 80  | 1200 | 760            | 0,9    | MAX 60      |  |  |
| 152  | 6     | 11,80  | 20  | 300 | 80  | 1200 | 1050           | 0,9    | MAX 60      |  |  |
| 203  | 8     | 18,50  | 20  | 300 | 80  | 1200 | 1590           | 0,9    | MAX 40      |  |  |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSPIR HW /20** **I.D.** **W.P. 20 BAR (300 PSI)** **S.F. 4:1** **ITALY** **tubi gomma torino**



# PETROSPIR HW /34

TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI - SUCTION AND DELIVERY HOSE FOR PETROLEUM PRODUCTS  
TUYAU POUR REFOULEMENT ET ASPIRATION DE PRODUITS DE PETROLE - SAUG UND DRUCKSCHLAUCH FÜR ERDÖLPRODUKTE



| APPLICAZIONE   | APPLICATION  | APPLICATION  | ANWENDUNG   |
|--|--|--|---|
| Tubo aspirazione e mandata su piattaforme di perforazione per trasporto greggio e carburanti con contenuto aromatico fino al 50% | Suction and delivery hose for crude oil and mixed fuels with aromatic contents up to 50%, offshore and onshore operations  | Tuyau pour aspiration et refoulement transport de petrole brut et carburants avec teneur en aromatiques jusqu'à 50% sur les plateformes de forage. | Saug- und Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50%, zur Anwendung auf Ölbohr-Plattformen |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b> .   | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en <b>NBR</b> .   | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporate spirali metalliche e 2 cord in rame per la messa a terra della tubazione.    | High strength synthetic plies, with steel wire spirals and 2 crossing copper wires for hose grounding.                     | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse noyés  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung          |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità.    | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant. | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité.   | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                                    |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C + 100°C  | -22°F + 212°F  | -30°C + 100°C  | -30°C + 100°C   |

| ID   |       | OD   |         | WEIGHT | WP  |     | BP  |      | BENDING RADIUS | VACUUM | COIL LENGTH |
|------|-------|------|---------|--------|-----|-----|-----|------|----------------|--------|-------------|
| mm   | inch  | mm   | inch    | kg/m   | bar | psi | bar | psi  | mm             | bar    | mt          |
| 51   | 2     | 75   | 2 61/64 | 3,77   | 34  | 510 | 136 | 2040 | 300            | 0,9    | MAX 60      |
| 63,5 | 2 1/2 | 91,5 | 3 39/64 | 4,20   | 34  | 510 | 136 | 2040 | 380            | 0,9    | MAX 60      |
| 76   | 3     | 104  | 4 3/32  | 5,50   | 34  | 510 | 136 | 2040 | 460            | 0,9    | MAX 60      |
| 102  | 4     | 132  | 5 13/64 | 8,60   | 34  | 510 | 136 | 2040 | 650            | 0,9    | MAX 60      |
| 127  | 5     | 161  | 6 11/32 | 9,30   | 34  | 510 | 136 | 2040 | 790            | 0,9    | MAX 60      |
| 152  | 6     | 186  | 7 21/64 | 14,00  | 34  | 510 | 136 | 2040 | 1100           | 0,9    | MAX 60      |
| 203  | 8     | 243  | 9 9/16  | 21,70  | 34  | 510 | 136 | 2040 | 1650           | 0,9    | MAX 40      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROSPIR HW /34** I.D. W.P. 34 BAR (510 PSI) S.F. 4:1 ITALY tubi gomma torino



# PETROBUNKER SW /15

TUBO MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI - DELIVERY HOSE FOR BUNKERING VESSELS  
TUYAU POUR REFOULEMENT DE PRODUITS DE PETROLE DU NAVIRE AU QUAI - DRUCKSCHLAUCH FÜR BUNKERSCHIFFE



| APPLICAZIONE   | APPLICATION  | APPLICATION   | ANWENDUNG   |
|--|--|---|---|
| Tubo mandata per travaso greggio e carburanti con contenuto aromatico fino al 50% tra nave e banchina                        | Delivery hose for bunkering and docks service for the transfer of crude oil and mixed fuels with aromatic contents up to 50% | Tuyau refolement pour transfer de petrole brut et carburants avec teneur en aromatiques jusqu'à 50% du navire au quai | Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50% von der Ölbohr-Plattform zum Schiff |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés   | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung                                    |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant    | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité             | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                        |
| NORME  | SPECIFICATIONS   | NORMES  | NORMEN  |
| BS 1435:1987 S15 / UNI EN 1765:99 L15  | BS 1435:1987 S15 / UNI EN 1765:99 L15  | BS 1435:1987 S15 / UNI EN 1765:99 L15   | BS 1435:1987 S15 / UNI EN 1765:99 L15   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C + 100°C  | -22°F + 212°F  | -30°C + 100°C   | -30°C + 100°C   |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |     | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|-----|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi | mt          |
| 51  | 2    | 70  | 2 3/4   | 1,80   | 15  | 225 | 60  | 900 | MAX 60      |
| 76  | 3    | 95  | 3 47/64 | 4,10   | 15  | 225 | 60  | 900 | MAX 60      |
| 102 | 4    | 122 | 4 13/16 | 6,50   | 15  | 225 | 60  | 900 | MAX 60      |
| 127 | 5    | 150 | 5 29/32 | 7,10   | 15  | 225 | 60  | 900 | MAX 60      |
| 152 | 6    | 175 | 6 57/64 | 8,20   | 15  | 225 | 60  | 900 | MAX 60      |
| 203 | 8    | 225 | 9 1/64  | 9,50   | 15  | 225 | 60  | 900 | MAX 40      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG





# PETROBUNKER SW /20

TUBO MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI - DELIVERY HOSE FOR BUNKERING VESSELS  
TUYAU POUR REFOULEMENT DE PRODUITS DE PETROLE DU NAVIRE AU QUAI - DRUCKSCHLAUCH FÜR BUNKERSCHIFFE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Tubo mandata per travaso greggio e carburanti con contenuto aromatico fino al 50% tra nave e banchina                        | Delivery hose for bunkering and docks service for the transfer of crude oil and mixed fuels with aromatic contents up to 50% | Tuyau refoulement pour transfert de petrole brut et carburants avec teneur en aromatiques jusqu'à 50% du navire au quai | Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50% von der Ölbohr-Plattform zum Schiff |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés   | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung                                    |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant    | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité               | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                        |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C + 100°C  | -22°F + 212°F  | -30°C + 100°C   | -30°C + 100°C   |

| ID  |      | OD  |          | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|------|-----|----------|--------|-----|-----|-----|------|-------------|
| mm  | inch | mm  | inch     | kg/m   | bar | psi | bar | psi  | mt          |
| 51  | 2    | 70  | 2 3/4    | 1,80   | 20  | 300 | 80  | 1200 | MAX 60      |
| 76  | 3    | 99  | 3 57/64  | 4,10   | 20  | 300 | 80  | 1200 | MAX 60      |
| 102 | 4    | 125 | 4 59/64  | 6,50   | 20  | 300 | 80  | 1200 | MAX 60      |
| 127 | 5    | 153 | 6 1/32   | 7,10   | 20  | 300 | 80  | 1200 | MAX 60      |
| 152 | 6    | 178 | 7 1/64   | 8,20   | 20  | 300 | 80  | 1200 | MAX 60      |
| 203 | 8    | 231 | 9 3/32   | 9,70   | 20  | 300 | 80  | 1200 | MAX 40      |
| 254 | 10   | 288 | 11 11/32 | 12,40  | 20  | 300 | 80  | 1200 | MAX 20      |
| 305 | 12   | 339 | 13 11/32 | 15,00  | 20  | 300 | 80  | 1200 | MAX 20      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROBUNKER SW /20** I.D. W.P. 20 BAR (300 PSI) S.F. 4:1 ITALY tubi gomma torino



# PETROBUNKER SW /34

TUBO MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI - DELIVERY HOSE FOR BUNKERING VESSELS  
TUYAU POUR REFOULEMENT DE PRODUITS DE PETROLE DU NAVIRE AU QUAI - DRUCKSCHLAUCH FÜR BUNKERSCHIFFE



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION  | 🇩🇪 ANWENDUNG  |
|--|--|---|---|
| Tubo mandata per travaso greggio e carburanti con contenuto aromatico fino al 50% tra nave e banchina                        | Delivery hose for bunkering and docks service for the transfer of crude oil and mixed fuels with aromatic contents up to 50% | Tuyau refolement pour transfer de petrole brut et carburants avec teneur en aromatiques jusqu'à 50% du navire au quai | Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50% von der Ölbohr-Plattform zum Schiff |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR  | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en <b>NBR</b>  | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE  | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporati 2 cord in rame per la messa a terra della tubazione                      | High tensile synthetic plies, with 2 crossing copper wires for hose grounding  | Nappes synthétiques très résistantes avec 2 fils en cuivre de masse noyés   | Hochreißfestes synthetisches Cordgewebe mit 2 antistatischen Kupferlitzen zur Erdung                                    |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR  | DECKE   |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant    | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilite             | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                        |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE   | BETRIEBSTEMPERATUR  |
| -30°C + 100°C  | -22°F + 212°F  | -30°C + 100°C   | -30°C + 100°C   |

| ID  |      | OD  |         | WEIGHT | WP  |     | BP  |      | COIL LENGTH |
|-----|------|-----|---------|--------|-----|-----|-----|------|-------------|
| mm  | inch | mm  | inch    | kg/m   | bar | psi | bar | psi  | mt          |
| 51  | 2    | 74  | 2 59/64 | 1,90   | 34  | 510 | 136 | 2040 | MAX 60      |
| 76  | 3    | 102 | 4       | 4,20   | 34  | 510 | 136 | 2040 | MAX 60      |
| 102 | 4    | 130 | 5 1/8   | 6,70   | 34  | 510 | 136 | 2040 | MAX 60      |
| 127 | 5    | 155 | 6 7/64  | 7,20   | 34  | 510 | 136 | 2040 | MAX 60      |
| 152 | 6    | 186 | 7 21/64 | 8,50   | 34  | 510 | 136 | 2040 | MAX 60      |
| 203 | 8    | 237 | 9 21/64 | 9,90   | 34  | 510 | 136 | 2040 | MAX 40      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETROBUNKER SW /34** I.D. W.P. 34 BAR (510 PSI) S.F. 4:1 ITALY tubi gomma torino



# PETRODOCK HW /15

TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI  
 SUCTION AND DELIVERY HOSE FOR TERMINALS AND DOCKS LOADING  
 TUYAU POUR REFOULEMENT ET ASPIRATION DE PRODUITS DE PETROLE DU NAVIRE AU QUAI  
 SAUG UND DRUCKSCHLAUCH FÜR TERMINAL - UND KAI-VERLADUNG



| 🇮🇹 APPLICAZIONE  | 🇬🇧 APPLICATION   | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|--|--|--|---|
| Tubo aspirazione e mandata per travaso greggio e carburanti con contenuto aromatico fino al 50% tra nave e banchina          | Suction and delivery hose for bunkering and docks service for the transfer of crude oil and mixed fuels with aromatic contents up to 50% | Tuyau aspiration et refoulement pour transfer de petrole brut et carburants avec teneur en aromatiques jusqu'à 50% du navire au quai | Saug- und Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50% von der Ölbohr-Plattform zum Schiff |
| SOTTOSTRATO  | TUBE   | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>   | Black, smooth, <b>NBR</b> rubber compound  | Noir, lisse, en <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO   | REINFORCEMENT  | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporate spirali metalliche e 2 cord in rame per la messa a terra della tubazione | High strength synthetic plies, with steel wire spirals and 2 crossing copper wires for hose grounding                                    | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse noyés                                    | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung        |
| COPERTURA  | COVER  | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, liscia in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità | Black, smooth cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant                | <b>CR</b> noir, lisse, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité                            | Schwarz, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                                  |
| NORME  | SPECIFICATIONS   | NORMES   | NORMEN  |
| BS 1435:1987 S15 / UNI EN 1765:99 S15  | BS 1435:1987 S15 / UNI EN 1765:99 S15  | BS 1435:1987 S15 / UNI EN 1765:99 S15  | BS 1435:1987 S15 / UNI EN 1765:99 S15   |
| TEMPERATURA D'ESERCIZIO  | WORKING TEMPERATURE  | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C + 100°C  | -22°F + 212°F  | -30°C + 100°C  | -30°C + 100°C   |

| ID   |       | OD   |         | WEIGHT | WP  |     | BP  |     | VACUUM | COIL LENGTH |
|------|-------|------|---------|--------|-----|-----|-----|-----|--------|-------------|
| mm   | inch  | mm   | inch    | kg/m   | bar | psi | bar | psi | bar    | mt          |
| 51   | 2     | 71   | 2 51/64 | 2,30   | 15  | 225 | 60  | 900 | 0,9    | MAX 60      |
| 63,5 | 2 1/2 | 87,5 | 3 7/16  | 3,10   | 15  | 225 | 60  | 900 | 0,9    | MAX 60      |
| 76   | 3     | 100  | 3 15/16 | 4,00   | 15  | 225 | 60  | 900 | 0,9    | MAX 60      |
| 102  | 4     | 130  | 5 1/8   | 5,00   | 15  | 225 | 60  | 900 | 0,9    | MAX 60      |
| 127  | 5     | 157  | 6 3/16  | 7,10   | 15  | 225 | 60  | 900 | 0,9    | MAX 60      |
| 152  | 6     | 182  | 7 11/64 | 8,90   | 15  | 225 | 60  | 900 | 0,9    | MAX 60      |
| 203  | 8     | 237  | 9 21/64 | 11,80  | 15  | 225 | 60  | 900 | 0,9    | MAX 40      |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETRODOCK HW /15** BS1435 : 1987-S15  
UNI EN1765 : 99-S15 **I.D.** **W.P. 15 BAR (225 PSI)** **S.F. 4:1** ITALY tubi gamma torino





# PETRODOCK HW /20 - 2W

TUBO ASPIRAZIONE E MANDATA PRODOTTI PETROLIFERI PER CARICO E SCARICO NAVI  
 SUCTION AND DELIVERY HOSE FOR TERMINALS AND DOCKS LOADING  
 TUYAU POUR REFOULEMENT ET ASPIRATION DE PRODUITS DE PETROLE DU NAVIRE AU QUAI  
 SAUG UND DRUCKSCHLAUCH FÜR TERMINAL - UND KAI-VERLADUNG - HOCHFLEXIBEL



| 🇮🇹 APPLICAZIONE   | 🇬🇧 APPLICATION  | 🇫🇷 APPLICATION   | 🇩🇪 ANWENDUNG  |
|---|---|--|---|
| Tubo aspirazione e mandata estremamente flessibile per travaso greggio e carburanti con contenuto aromatico fino al 50% tra nave e banchina | Suction and delivery hose highly flexible for bunkering and docks service, for the transfer of crude oil and mixed fuels with aromatic contents up to 50% | Tuyau aspiration et refoulement extrêmement flexible pour transfert de pétrole brut et carburants avec teneur en aromatiques jusqu'à 50% du navire au quai | Flexibler Saug- und Druckschlauch zur Förderung von Rohölen und Kraftstoffen mit Aromatenanteil bis 50% von der Ölbohr-Plattform zum Schiff |
| SOTTOSTRATO   | TUBE  | TUBE INTERIEUR   | INNENSEELE  |
| Nero, liscio in gomma <b>NBR</b>  | Black, smooth, <b>NBR</b> rubber compound   | Noir, lisse, en <b>NBR</b>   | Schwarz, glatt, <b>NBR</b> Gummi-Mischung   |
| RINFORZO  | REINFORCEMENT   | ARMATURE   | EINLAGEN  |
| Tessuti sintetici ad alta tenacità, con incorporate spirali metalliche e 2 cord in rame per la messa a terra della tubazione                | High strength synthetic plies, with steel wire spirals and 2 crossing copper wires for hose grounding   | Nappes synthétiques très résistantes avec spirales métalliques et 2 fils en cuivre de masse noyés  | Hochreißfestes synthetisches Cordgewebe mit eingearbeiteter Stahldrahtspirale und 2 antistatischen Kupferlitzen zur Erdung                  |
| COPERTURA   | COVER   | REVETEMENT EXTERIEUR   | DECKE   |
| Nera, semioudulata in gomma <b>CR</b> ad impressione tela, resistente all'olio, grasso, acqua di mare, ozono, bassa infiammabilità          | Black, corrugated cloth impression, <b>CR</b> rubber compound, resistant to oil, grease, sea water, ozone and flame retardant                             | <b>CR</b> noir, semioudulé, grain toile, résistant à l'huile, graisse, eau de mer, ozone, basse inflammabilité   | Schwarz, leicht gewellt, <b>CR</b> Gummi, stoffgemustert, Öl-, Fett-, Salzwasser- und Ozonbeständig, flammwidrig                            |
| TEMPERATURA D'ESERCIZIO   | WORKING TEMPERATURE   | TEMPERATURE  | BETRIEBSTEMPERATUR  |
| -30°C + 100°C   | -22°F + 212°F   | -30°C + 100°C  | -30°C + 100°C   |

| 🔧 ID |       | 🔧 OD |         | ⚖️ WEIGHT | 📊 WP |     | 📊 BP |      | 📐 BENDING RADIUS | 📊 VACUUM | 📏 COIL LENGTH |
|------|-------|------|---------|-----------|------|-----|------|------|------------------|----------|---------------|
| mm   | inch  | mm   | inch    | kg/m      | bar  | psi | bar  | psi  | mm               | bar      | mt            |
| 51   | 2     | 71   | 2 51/64 | 2,40      | 20   | 300 | 80   | 1200 | 165              | 0,9      | MAX 60        |
| 63,5 | 2 1/2 | 87,5 | 3 7/16  | 3,20      | 20   | 300 | 80   | 1200 | 220              | 0,9      | MAX 60        |
| 76   | 3     | 100  | 3 15/16 | 4,00      | 20   | 300 | 80   | 1200 | 270              | 0,9      | MAX 60        |
| 102  | 4     | 130  | 5 1/8   | 5,00      | 20   | 300 | 80   | 1200 | 390              | 0,9      | MAX 60        |
| 127  | 5     | 157  | 6 3/16  | 7,10      | 20   | 300 | 80   | 1200 | 450              | 0,9      | MAX 60        |
| 152  | 6     | 182  | 7 11/64 | 8,90      | 20   | 300 | 80   | 1200 | 540              | 0,9      | MAX 60        |
| 203  | 8     | 237  | 9 21/64 | 11,90     | 20   | 300 | 80   | 1200 | 720              | 0,9      | MAX 40        |

IDENTIFICAZIONE / BRANDING / MARQUAGE / KENNZEICHNUNG

**PETRODOCK HW /20 - 2W** I.D. W.P. 20 BAR (300 PSI) S.F. 4:1 ITALY tubi gomma torino

**PRINCIPALI TESSUTI**  
**TEXTILE YARNS**












| TIPO / TYPE       | NOME / NAME | COMPOSIZIONE / STRUCTURE | CARATTERISTICHE / PROPERTIES  |
|-------------------|-------------|--------------------------|---|
| <b>COTONE</b>     | Cotone      | Cotone                   | Elevata flessibilità e morbidezza. Buon assorbimento alle vibrazioni.   |
|                   | Cotton      | Cotton                   | Excellent flexibility and softness. Good vibration absorption.  |
| <b>FIBERGLASS</b> | Fiberglass  | Tessuto di vetro         | Eccellente resistenza al calore.  |
|                   | Fiberglass  | Fiberglass               | Excellent high temperature resistance.  |
| <b>KEVLAR</b>     | Kevlar      | Fibra aramidica          | Usato in applicazioni gravose ed alte temperature.  |
|                   | Kevlar      | Aramide fiber            | Used for tough applications in combination with high temperature.   |
| <b>KURALON</b>    | Pva         | Polivinilacetato         | Elevati carichi di rottura, buona resistenza alla fatica, teme l'umidità.   |
|                   | Pva         | Polyvinylacetate         | Very good tensile strength, good fatigue resistance, moisture sensitive.  |
| <b>NOMEX</b>      | Nomex       | Fibra aramidica          | Usato in applicazioni gravose ed altissime temperature.   |
|                   | Nomex       | Aramide fiber            | Used for tough applications in combination with very high temperature.  |
| <b>NYLON</b>      | Nylon       | Poliamide                | Buoni carichi di rottura e allungamento, resistente alla fatica. Basso assorbimento dell'umidità. Buona resistenza alla temperatura, all'abrasione ed agli agenti chimici (organici ed inorganici). |
|                   | Nylon       | Polyamide                | Good tensile strength, elongation and stress resistance. Low moisture absorption. Good temperature, abrasion and chemical (organic and inorganic) resistance.                                       |
| <b>POLIESTERE</b> | Poliestere  | Poliestere               | Elevati carichi di rottura, eccellente resistenza alla fatica ed all'abrasione. Basso assorbimento dell'umidità. Bassa resistenza agli agenti chimici (organici ed inorganici).                     |
|                   | Polyester   | Polyester                | High tensile strength, excellent resistance to fatigue and abrasion. Low moisture absorption. Low resistance against chemical (organic and inorganic).  |
| <b>RAYON</b>      | Rayon       | Cellulosa                | Elevati carichi di rottura a secco. Alto assorbimento dell'umidità. Buona resistenza alla fatica. Bassa resistenza agli agenti chimici (organici ed inorganici).                                    |
|                   | Rayon       | Cellulose fiber          | Very good tensile strength in dry conditions, good fatigue resistance. High moisture absorption. Low resistance against chemical (organic and inorganic).   |



**MESCOLE IN GOMMA  
RUBBER COMPOUNDS**

| TIPO / TYPE      | NOME / NAME                               | COMPOSIZIONE / STRUCTURE            | CARATTERISTICHE / PROPERTIES  |
|------------------|---|-------------------------------------|---|
| <b>ACM</b>       | Poliacrilica                              | Monomero acrilico derivato          | Eccellente resistenza agli oli ed alle alte temperature.  |
|                  | Ployacrilic                               | Acrylic monomer derived             | Excellent oil and high temperature resistance.  |
| <b>CR</b>        | Neoprene®                                 | Cloroprene                          | Eccellente resistenza all'ozono e agli agenti atmosferici. Buona resistenza agli oli. Autoestinguente. Buone proprietà fisiche.   |
|                  | Neoprene®                                 | Chloroprene                         | Excellent weathering resistance, self-extinguishing and oil resistant. Good physical properties.  |
| <b>CSM</b>       | Hypalon®                                  | Polietilene clorosolfato            | Eccellente resistenza agli agenti atmosferici, all'ozono ed agli acidi. Buona resistenza al calore ed all'abrasione. Debole resistenza ai fluidi derivati dal petrolio.     |
|                  | Hypalon®                                  | Chlorosulfonated polyethylene       | Excellent weathering, ozone and acid resistance, good heat and abrasion resistance. Poor resistance to petroleum based fluids.  |
| <b>EAM</b>       | Vamac®                                    | Etilene acrilato                    | Resistente alle alte temperature ed ai liquidi di raffreddamento.   |
|                  | Vamac®                                    | Ethylene acrylate                   | High temperature and cooling liquid resistance.   |
| <b>EPDM</b>      | Epdm                                      | Terpolimero etilene propilene diene | Buona resistenza all'ozono e agli agenti atmosferici. Buona resistenza agli agenti chimici, al calore ed al vapore. Scarsa resistenza ai fluidi derivati dal petrolio.      |
|                  | Epdm                                      | Ethylene propylene diene terpolymer | Good ozone and weathering resistance. Chemical, heat and steam resistance. Poor resistance to petroleum based fluids.   |
| <b>EPM</b>       | Epr                                       | Copolimero etilene-propilene        | Buona resistenza all'ozono e agli agenti atmosferici. Eccellente resistenza agli agenti chimici, al calore ed al vapore. Scarsa resistenza ai fluidi derivati dal petrolio. |
|                  | Epr                                       | Ethylene-propylene-copolimer        | Good ozone and weathering resistance. Excellent chemical, heat and steam resistance. Poor resistance to petroleum based fluids.   |
| <b>EVA</b>       | Eva                                       | Etilene vinil acetato               | Utilizzato nelle mescole come cadivante di plastificazione. Ottimo isolante elettrico. Resistente ad oli, acidi, basi ed UV.  |
|                  | Eva                                       | Ethylene vinyl acetate              | Used in rubber compounds as plastisizer. Excellent electrical insulator. Oil, acids,alkalis and UV resistant.   |
| <b>FPM - FKM</b> | Viton®                                    | Fluoropolimero                      | Eccellente resistenza alle alte temperature, particolarmente in aria e olio. Ottima resistenza ai prodotti chimici ad eccezione degli aldeidi e chetoni.                    |
|                  | Viton®                                    | Fluoropolymer                       | Excellent high temperature resistance, partycularly in air and oil. Very good chemical resistance with the exception of aldehydes and ketones.                              |
| <b>NBR</b>       | Nitrile                                   | Nitrile butadiene                   | Eccellente resistenza agli oli, ai carburanti ed agli agenti atmosferici. Discreta resistenza agli aromatici. Buone proprietà fisiche.                                      |
|                  | Nitrile                                   | Nitrile butadiene                   | Excellent oil, fuel and weathering resistance. Good resistance to aromatics and physical properties.  |
| <b>NBR - PVC</b> | Nitrile butadiene PVC                     | Nitrile-polivinilcloruro            | Eccellente resistenza agli oli ed agli agenti atmosferici. Buone proprietà fisiche.   |
|                  | Nitrile butadiene PVC                     | Polyvinyl chloride-nitrile          | Excellent oil and weathering resistance. Good physical properties.  |
| <b>NR</b>        | Gomma naturale                            | Polimero dell'isoprene              | Buona resistenza all'abrasione e resilienza. Buone caratteristiche meccaniche. Non adatto ai prodotti petroliferi.  |
|                  | Natural rubber                            | Polymer of isoprene                 | Good abrasion and resilience resistance. Good mechanical characteristics. Not suitable for petroleum products.  |
| <b>PUR</b>       | Poliuretano                               | Poliuretantica                      | Eccellente resistenza all'abrasione, alla lacerazione ed alla trazione.   |
|                  | Polyurethane                              | Polyurethane                        | Excellent abrasion, tear and tensile strength resistance.   |
| <b>SBR</b>       | Sbr                                       | Stirene butadiene                   | Buone proprietà fisiche. Buona resistenza all'abrasione. Scarsa resistenza ai fluidi derivati dal petrolio.   |
|                  | Sbr                                       | Styrene butadiene                   | Good physical properties and abrasion resistance. Poor resistance to petroleum based fluids.  |
| <b>VMQ</b>       | Silicone                                  | Silicone                            | Eccellente resistenza alle alte temperature.  |
|                  | Silicone                                  | Silicone                            | Excellent high temperature resistance.  |
| <b>UHMWPE</b>    | Polietilene ad altissimo peso molecolare  | Polietilene                         | Eccellente resistenza ad un'ampia gamma di solventi, prodotti chimici, acidi, oli ed aromatici. Approvato FDA.  |
|                  | Ultra high molecular weight poly-ethylene | Polyethylene                        | Excellent to a very wide range of solvents, chemicals, acids and oils, including aromatics. FDA approved.   |

**TABELLA COLORI PER IDENTIFICAZIONE TIPO DI APPLICAZIONE**  
**COLOUR CHART TO IDENTIFY THE APPLICATION**

|  |   |   |
|--|---|---|
| <b>Acqua</b><br>Water  | Verde<br>Green  |    |
|  |   |   |
| <b>Acqua calda e vapore</b><br>Hot water and steam                 | Rosso<br>Red  |    |
|  |   |   |
| <b>Aria</b><br>Air   | Blu<br>Blue   |    |
|  |   |   |
| <b>Materiali abrasivi</b><br>Abrasive materials                    | Verde<br>Green  |    |
|  |   |   |
| <b>Aspirazione aria, polveri e trucioli</b><br>Air, dust and chips | Beige<br>Beige  |    |
|  |   |   |
| <b>Prodotti alimentari</b><br>Foodstuffs                           | Bianco<br>White   |    |
|  |   |   |
| <b>Prodotti petroliferi</b><br>Petrochemical products              | Giallo<br>Yellow  |    |
|  |   |   |
| <b>Prodotti Chimici</b><br>Chemical products                       | Viola = sottostrato EPDM<br>Violet = EPDM tube              |    |
|  |   |   |
|  | Blu-bianco = sottostrato UHMWPE<br>Blue-white = UHMWPE Tube |    |
|  |   |   |
|  | Verde-bianco = sottostrato FKM<br>Green-white = FKM tube    |    |
|  |   |   |
|  | Blu-viola = sottostrato FEP<br>Blue-violet = FEP tube       |  |
|  |   |   |

**TOLLERANZE**  
**TOLLERANCES**
**TUBI IN GOMMA SU MANDRINO (secondo UNI EN ISO 1307 / 92) / MANDREL HOSES (according to UNI EN ISO 1307 / 92)**

| DIAMETRO INTERNO D.I. (mm)<br>INTERNAL DIAMETER I.D. (mm) | TOLLERANZA D.I. (mm)<br>I.D. TOLLERANCE (mm) | TOLLERANZA D.E. (mm)<br>O.D. TOLLERANCE (mm) |
|---|--|--|
| da 3,3 a 10   | ± 0,40                                       | ± 0,50                                       |
| da 10,1 a 20  | ± 0,60                                       | ± 0,80                                       |
| da 20,1 a 25  | ± 0,80                                       | ± 1,00                                       |
| da 25,1 a 40  | ± 1,00                                       | ± 1,20                                       |
| da 40,1 a 63  | ± 1,20                                       | ± 1,40                                       |
| da 63,1 a 90  | ± 1,40                                       | ± 1,60                                       |
| da 90,1 a 127   | ± 1,60                                       | ± 2,00                                       |
| da 127,1 a 152  | ± 2,00                                       | ± 2,00                                       |
| da 152,1 a 203  | ± 2,50                                       | ± 2,50                                       |
| da 203,1 a 315  | ± 3,00                                       | ± 3,00                                       |

**TUBI IN GOMMA LONG LENGTH (secondo UNI EN ISO 1307 / 92) / LONG LENGTH HOSES (according to UNI EN ISO 1307 / 92)**

| DIAMETRO INTERNO D.I. (mm)<br>INTERNAL DIAMETER I.D. (mm) | TOLLERANZA D.I. (mm)<br>I.D. TOLLERANCE (mm) | TOLLERANZA D.E. (mm)<br>O.D. TOLLERANCE (mm) |
|---|--|--|
| da 3 a 6  | ± 0,60                                       | ± 0,60                                       |
| da 6,1 a 20   | ± 0,80                                       | ± 0,80                                       |
| da 20,1 a 25  | ± 1,20                                       | ± 1,20                                       |

**TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE**

| LEGENDA / KEY   |  | 3         | Scarsa resistenza / Poor resistance |    |     |    |      |     |     |          |               |     |     |        |     |
|---|--|-----------|-------------------------------------|----|-----|----|------|-----|-----|----------|---------------|-----|-----|--------|-----|
| 1   | Eccellente resistenza / Excellent resistance                                 | X         | Nessuna resistenza / No resistance  |    |     |    |      |     |     |          |               |     |     |        |     |
| 2   | Buona resistenza / Good resistance   | -         | Nessun dato / No data               |    |     |    |      |     |     |          |               |     |     |        |     |
| AGENTE CHIMICO  |  | CHEMICALS |                                     | NR | SBR | PU | EPDM | CR  | NBR | SILICONE | FLUORSILICONE | CSM | FKM | UHMWPE | FEP |
| ACETALDEIDE   | ACETALDEHYDE   | 2         | 3                                   | 2  | 2   | 3  | X    | 1   | X   | 3        | 2             | 1   | 1   |        |     |
| ACETATO D'ALLUMINIO ACQUOSO   | AQUEOUS ALUMINIUM ACETATE  | 3         | 1                                   | -  | 1   | 1  | 1    | X   | X   | 1        | -             | 1   | 1   |        |     |
| ACETATO D'ETILE   | ETHYL ACETATE  | X         | 3                                   | X  | 2   | 3  | X    | 2   | X   | X        | X             | 2   | 1   |        |     |
| ACETATO DI BUTILE   | BUTYL ACETATE  | X         | 3                                   | X  | 2   | X  | X    | 3   | X   | 3        | X             | X   | 1   |        |     |
| ACETATO DI CALCIO   | CALCIUM ACETATE  | X         | 1                                   | -  | 1   | 2  | 2    | -   | X   | 2        | X             | 1   | 1   |        |     |
| ACETATO DI CELLULOSA  | CELLULOSE ACETATE  | X         | 3                                   | 1  | 2   | 3  | 1    | 1   | -   | -        | -             | 1   | 1   |        |     |
| ACETATO DI ISOPROPILE   | ISOPROPYL ACETATE  | X         | 3                                   | 3  | 2   | X  | X    | 2   | -   | X        | X             | -   | 1   |        |     |
| ACETATO DI METILE   | METHYL ACETATE   | X         | X                                   | X  | 2   | X  | X    | X   | X   | X        | X             | 1   | 1   |        |     |
| ACETATO DI PIOMBO ACQUOSO   | AQUEOUS LEAD ACETATE   | 3         | 1                                   | 1  | 1   | 1  | 1    | 1   | -   | -        | -             | 1   | 1   |        |     |
| ACETATO DI POTASSIO ACQUOSO   | AQUEOUS POTASSIUM ACETATE  | X         | X                                   | X  | 1   | 2  | 2    | X   | X   | X        | X             | 1   | 1   |        |     |
| ACETATO DI SODIO  | SODIUM ACETATE   | X         | 1                                   | 3  | 1   | 1  | 1    | 1   | X   | -        | 1             | 1   | 1   |        |     |
| ACETATO DI VINILE   | VINYL ACETATE  | X         | 1                                   | -  | 1   | 1  | 1    | -   | -   | 1        | 1             | -   | 1   |        |     |
| ACETATO DI ZINCO ACQUOSO  | AQUEOUS ZINC ACETATE   | 2         | X                                   | X  | 1   | 2  | 2    | X   | X   | X        | X             | 1   | 1   |        |     |
| ACETATO PROPILICO   | PROPYL ACETATE   | X         | X                                   | -  | 1   | 1  | X    | -   | X   | X        | X             | 2   | 1   |        |     |
| ACETILACETONE   | ACETHYL ACETONE  | X         | X                                   | X  | 1   | 1  | X    | X   | -   | -        | X             | X   | 1   |        |     |
| ACETILENE (GAS)   | ACETYLENE (GAS)  | 2         | 1                                   | 1  | 1   | 1  | 1    | 1   | -   | 1        | 1             | 1   | 1   |        |     |
| ACETO ALIMENTARE  | ALIMENTARY VINEGAR   | 3         | 1                                   | 3  | 1   | 1  | 1    | 1   | 1   | 1        | 3             | 1   | 1   |        |     |
| ACETONE   | ACETONE  | X         | 3                                   | X  | 1   | 3  | X    | 2   | X   | 2        | X             | 1   | 1   |        |     |
| ACIDI GRASSI IN GENERALE  | GREASY ACIDS IN GENERAL  | -         | 3                                   | 1  | 3   | 2  | 2    | 3   | -   | 3        | 1             | 3   | 1   |        |     |
| ACIDO ACETICO 10%   | ACETIC ACID 10%  | 3         | 2                                   | X  | 1   | 1  | 2    | 3   | 2   | 1        | 2             | 1   | 1   |        |     |
| ACIDO ACETICO 100% CONC. GLACIALE   | ACETIC ACID 100% GLACIAL CONCENTRATION                                       | X         | X                                   | X  | 3   | X  | X    | 3   | 3   | 2        | X             | 2   | 1   |        |     |
| ACIDO ACETICO 50%   | ACETIC ACID 50%  | X         | X                                   | X  | 2   | 3  | X    | 3   | 3   | 2        | 2             | 3   | 1   |        |     |
| ACIDO ADIPICO   | ADIPIC ACID  | -         | 1                                   | -  | 1   | 1  | 1    | -   | 1   | 1        | 1             | 1   | 1   |        |     |
| ACIDO ARSENICO  | ARSENIC ACID   | 3         | 2                                   | 3  | 1   | 1  | 1    | 1   | -   | 1        | 1             | 1   | 1   |        |     |
| ACIDO BENZOICO ACQUOSO  | AQUEOUS BENZOIC ACID   | X         | X                                   | X  | X   | X  | X    | X   | 2   | X        | 1             | 1   | 1   |        |     |
| ACIDO BORICO ACQUOSO  | AQUEOUS BORIC ACID   | -         | 1                                   | 1  | 1   | 1  | 1    | 3   | 1   | 1        | 1             | 1   | 1   |        |     |
| ACIDO BORICO FLUORATO 65%   | FLUOBORIC ACID 65%   | 3         | 2                                   | X  | 2   | 2  | 2    | X   | -   | 2        | -             | 1   | 1   |        |     |
| ACIDO BROMIDRICO  | HYDROBROMIC ACID   | 2         | 3                                   | 3  | 2   | 2  | 3    | 2   | -   | 1        | 1             | 1   | 1   |        |     |
| ACIDO BUTIRICO ACQUOSO  | AQUEOUS BUTYRIC ACID   | 2         | X                                   | X  | 2   | 3  | X    | 2   | -   | 2-3      | 3             | X   | 1   |        |     |
| ACIDO CARBONICO FENICO: VEDI FENOLO   | PHENIC CARBONIC ACID: SEE PHENOL   |           |                                     |    |     |    |      |     |     |          |               |     | 1   |        |     |
| ACIDO CARBONICO SOLIDO (-80°C): SENZA ATTACCO CHIMICO, MA INDURISCE I POLIMERI. | SOLID CARBONIC ACID (-80°C): WITHOUT ETCHING, BUT IT CAN HARDEN THE POLYMERS |           |                                     |    |     |    |      |     |     |          |               |     |     |        |     |
| ACIDO CARBONICO , GAS SECCO O UMIDO   | CARBONIC ACID, DRY OR HUMID GAS  | 2         | 1                                   | 1  | 1   | 1  | 1    | 1   | 1   | 1        | 1             | 1   | 1   |        |     |
| ACIDO CIANIDRICO: VEDI ACIDO PRUSSICO   | HYDROCYANIC ACID: SEE PRUSSIC ACID   |           |                                     |    |     |    |      |     |     |          |               |     | 1   |        |     |
| ACIDO CITRICO   | CITRIC ACID  | 2         | 1-2                                 | 1  | 1   | 1  | 1    | 1   | 1   | 1        | 1             | 1   | 1   |        |     |
| ACIDO CLORIDRICO 15% (ACIDO MURIATICO)  | HYDROCHLORIC ACID 15% (MURIATIC ACID)  | 2         | 1                                   | 2  | 1   | 3  | 2    | 1   | -   | 1-2      | 1             | 1   | 1   |        |     |
| ACIDO CLORIDRICO 38% (ACIDO MURIATICO)  | HYDROCHLORIC ACID 38% (MURIATIC ACID)  | 3         | 2                                   | X  | 1   | 3  | 3    | 3   | 2   | 1-2      | 1             | 1   | 1   |        |     |
| ACIDO CLORICO ACQUOSO   | AQUEOUS CHLORIC ACID   | -         | 1                                   | 2  | 1   | 3  | 2    | 1   | -   | 1-2      | 1             | 1   | 1   |        |     |
| ACIDO CLORIDRICO GASSOSO  | GASEOUS HYDROCHLORIC ACID  | X         | X                                   | -  | 2   | X  | X    | -   | 2   | 1        | X             | 1   | 1   |        |     |
| ACIDO CLOROSOLFONICO  | CHLOROSULFONIC ACID  | X         | X                                   | X  | X   | X  | X    | X   | -   | X        | X             | X   | 1   |        |     |
| ACIDO CROMICO 10%   | CHROMIC ACID 10%   | X         | X                                   | 3  | 2   | X  | X    | 3   | 3   | 2        | 1             | 1   | 1   |        |     |
| ACIDO CROMICO 25%   | CHROMIC ACID 25%   | X         | X                                   | X  | 2   | X  | X    | X   | 3   | 2        | 1             | 1   | 1   |        |     |
| ACIDO CROMICO 50%   | CHROMIC ACID 50%   | X         | X                                   | X  | 2   | X  | X    | X   | 3   | 2        | 1             | 3   | 1   |        |     |
| ACIDO FLUORIDRICO 10%   | HYDROFLUORIC ACID 10%  | X         | 3                                   | 2  | X   | X  | 3    | 1   | -   | 1        | 1-2           | 2   | 1   |        |     |
| ACIDO FLUORIDRICO 30%   | HYDROFLUORIC ACID 30%  | X         | X                                   | 2  | X   | X  | X    | 1   | -   | 1-2      | 1-2           | 2   | 1   |        |     |
| ACIDO FLUORIDRICO 75%   | HYDROFLUORIC ACID 75%  | X         | X                                   | 3  | X   | X  | X    | 1-2 | X   | 1-2      | 1-2           | X   | 1   |        |     |
| ACIDO FORMICO   | FORMIC ACID  | 3         | 1                                   | X  | 1   | 1  | 2    | 2   | 3   | 1        | 3             | 2   | 1   |        |     |
| ACIDO FOSFORICO 50%   | PHOSPHORIC ACID 50%  | 3         | 1                                   | 2  | 1   | 1  | 2    | 2   | 2   | 1        | 1             | 1   | 1   |        |     |
| ACIDO FOSFORICO 85%   | PHOSPHORIC ACID 85%  | 3         | 1                                   | X  | 1   | 1  | 3    | 3   | 2   | 1-2      | 1             | 1   | 1   |        |     |
| ACIDO FTALICO   | PHTHALIC ACID  | -         | 1                                   | -  | 1   | 1  | X    | -   | -   | 1        | X             | 1   | 1   |        |     |
| ACIDO GALLICO   | GALLIC ACID  | -         | 3                                   | 3  | 2   | X  | X    | 1   | 1   | 2        | 1             | 1   | 1   |        |     |
| ACIDO IDROFLUOSILICO: VEDI ACIDO SILICICO FLUORATO                              | HYDROFLUOSILICIC ACID: SEE FLUOSILICIC ACID                                  |           |                                     |    |     |    |      |     |     |          |               |     | 1   |        |     |
| ACIDO LATTICO ACQUOSO   | AQUEOUS LACTIC ACID  | 3         | 2                                   | 2  | 2   | 3  | 3    | 1   | 1   | 2        | 1             | 2   | 1   |        |     |
| ACIDO MALEICO ACQUOSO   | AQUEOUS MALEIC ACID  | X         | 3                                   | X  | 3   | X  | X    | -   | -   | X        | 1             | 1   | 1   |        |     |
| ACIDO MALICO ACQUOSO  | AQUEOUS MALIC ACID   | 3         | 1                                   | 3  | 1   | 1  | 1    | 1   | 1   | 1        | 1             | 1   | 1   |        |     |
| ACIDO MONOCLORACETICO   | MONOCHLOROACETIC ACID  | 3         | X                                   | X  | 2   | X  | X    | X   | -   | 2        | X             | X   | 1   |        |     |

ATTENZIONE! I seguenti dati sono basati su test di laboratorio ad alta attendibilità. La lista deve comunque essere usata unicamente come guida in quanto bisogna sempre considerare, nella scelta della gomma, variabili quali temperatura, concentrazione del fluido, tipologia di solvente e ambiente di lavoro. Per qualsiasi applicazione gravosa contattare TGT.

WARNING! The following informations are based on highly reliability laboratory tests. The list however, should be used only as a guide since we must assume that when choosing the rubber compound, things may vary such as temperature, fluid concentration, type of solvent and working conditions. For heavy duty applications please contact TGT.

**TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE**

| LEGENDA / KEY   |   | 3         | Scarsa resistenza / Poor resistance |    |     |    |      |    |     |          |               |     |     |        |     |
|---|---|-----------|-------------------------------------|----|-----|----|------|----|-----|----------|---------------|-----|-----|--------|-----|
| 1   | Eccelente resistenza / Excellent resistance                                     | X         | Nessuna resistenza / No resistance  |    |     |    |      |    |     |          |               |     |     |        |     |
| 2   | Buona resistenza / Good resistance  | -         | Nessun dato / No data               |    |     |    |      |    |     |          |               |     |     |        |     |
| AGENTE CHIMICO  |   | CHEMICALS |                                     | NR | SBR | PU | EPDM | CR | NBR | SILICONE | FLUORSILICONE | CSM | FFM | UHMWPE | FEP |
| ACIDO NITRICO 10%   | NITRIC ACID 10%   | X         | 3                                   | X  | 1   | 3  | 3    | 3  | -   | 1-2      | 1-2           | 1   | 1   |        |     |
| ACIDO NITRICO 25%   | NITRIC ACID 25%   | X         | X                                   | X  | 1   | X  | X    | X  | -   | 1-2      | 1-2           | 1   | 1   |        |     |
| ACIDO NITRICO 40%   | NITRIC ACID 40%   | X         | X                                   | X  | 2   | X  | X    | X  | -   | 1-2      | 1-2           | X   | 1   |        |     |
| ACIDO NITRICO 60%   | NITRIC ACID 60%   | X         | X                                   | X  | 3   | X  | X    | X  | -   | 1-2      | 1-2           | X   | 1   |        |     |
| ACIDO OLEICO  | OLEIC ACID  | X         | X                                   | 1  | X   | 3  | 2    | X  | 1   | X        | 2             | 2   | 1   |        |     |
| ACIDO OSSALICO  | OXALIC ACID   | X         | 2                                   | X  | 2   | 2  | 2    | 1  | 1   | 2        | 1             | 1   | 1   |        |     |
| ACIDO PALMITICO   | PALMITIC ACID   | X         | 3                                   | 1  | 3   | 2  | 3    | 1  | 1   | 2-3      | 2             | 1   | 1   |        |     |
| ACIDO PER ACCUMULATORI: VEDI ACIDO SOLFORICO 30%                                  | ACID FOR ACCUMULATORS: SEE SULPHURIC ACID 30%                                   |           |                                     |    |     |    |      |    |     |          |               |     |     | 1      |     |
| ACIDO PERCLORICO ACQUOSO  | AQUEOUS PERCHLORIC ACID   | X         | 2                                   | X  | 2   | 3  | 3    | X  | 1   | 1        | 1             | 1   | 1   |        |     |
| ACIDO PICRICO (TRINITROFENOLO)  | PICRIC ACID (TRINITROPHENOL)  | 3         | 3                                   | X  | 1   | 3  | 3    | 1  | 2   | 2        | 1-2           | 1   | 1   |        |     |
| ACIDO PROPIONICO  | PROPIONIC ACID  | -         | X                                   | -  | 1   | 3  | X    | -  | -   | 3        | 1             | 1   | 1   |        |     |
| ACIDO PRUSSICO 20% (ACIDO CIANIDRICO)   | PRUSSIC ACID 20% (HYDROCYANIC ACID)   | X         | 2                                   | 2  | 1   | 3  | 3    | 2  | 2   | 2        | 2             | 1   | 1   |        |     |
| ACIDO PRUSSICO 80% (CONC.)  | PRUSSIC ACID 80% (CONC.)  | X         | 3                                   | 2  | 2   | 3  | 3    | 2  | -   | 2        | 2             | 1   | 1   |        |     |
| ACIDO SILICICO FLUORATO   | FLUOSILICIC ACID  | 3         | 1                                   | X  | 2   | 3  | 2    | X  | -   | 2        | X             | 1   | 1   |        |     |
| ACIDO SOLFOFOSFORICO  | SULPHOPHOSPHORIC ACID   | X         | X                                   | -  | 2   | 3  | X    | -  | 2   | 1        | 1             | 3   | 1   |        |     |
| ACIDO SOLFONITRICO  | SULPHONITRIC ACID   | X         | X                                   | X  | X   | X  | X    | X  | 2   | X        | X             | X   | 1   |        |     |
| ACIDO SOLFORICO CONC. FUMANTE (OLEUM)   | STEAMING CONC. SULPHURIC ACID OR OLEUM  | X         | X                                   | X  | X   | X  | X    | X  | X   | X        | 1             | X   | 1   |        |     |
| ACIDO SOLFORICO 10%   | SULPHURIC ACID 10%  | 3         | 1                                   | 2  | 1   | 1  | 1    | 2  | 3   | 1        | 1             | 1   | 1   |        |     |
| ACIDO SOLFORICO 30% (PER ACCUMULATORI)  | SULPHURIC ACID 30% (FOR ACCUMULATORS)   | 3         | 2                                   | 2  | 1   | 2  | 2    | X  | X   | 1        | 1             | 1   | 1   |        |     |
| ACIDO SOLFORICO 50%   | SULPHURIC ACID 50%  | X         | 3                                   | 2  | 1   | 3  | 3    | X  | X   | 1        | 1             | 1   | 1   |        |     |
| ACIDO SOLFORICO 75%   | SULPHURIC ACID 75%  | X         | X                                   | X  | 2   | X  | X    | X  | X   | 1-2      | 1             | 3   | 1   |        |     |
| ACIDO SOLFORICO 90%   | SULPHURIC ACID 90%  | X         | X                                   | X  | 3   | X  | X    | X  | X   | 2        | 1             | X   | 1   |        |     |
| ACIDO SOLFOROSO 10% UMIDO   | SULPHUROUS ACID 10% HUMID   | 3         | 3                                   | 2  | 1   | 3  | 3    | 1  | 2   | 1-2      | 2             | 1   | 1   |        |     |
| ACIDO SOLFOROSO 75% UMIDO   | SULPHUROUS ACID 75% HUMID   | X         | X                                   | X  | 2   | X  | X    | 3  | 2   | 2-3      | 2             | 3   | 1   |        |     |
| ACIDO STEARICO  | STEARIC ACID  | X         | 2                                   | 1  | 2   | 2  | 2    | 1  | -   | 2-3      | 2             | X   | 1   |        |     |
| ACIDO TANNICO (TANNINO)   | TANNIC ACID   | 3         | 2                                   | 3  | 2   | 2  | 2    | 2  | -   | 1-2      | 1-2           | 1   | 1   |        |     |
| ACIDO TARTARICO ACQUOSO   | AQUEOUS TARTARIC ACID   | X         | 1                                   | 1  | 2   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ACQUA CLORATA 3%  | CHLORINATED WATER 3%  | 3         | 3                                   | 3  | 3   | 2  | 3    | 2  | -   | 3        | 2             | 2   | 1   |        |     |
| ACQUA DI BROMO  | BROMINE WATER   | X         | X                                   | X  | X   | X  | X    | X  | 2   | X        | 1             | X   | 1   |        |     |
| ACQUA DI JAVEL: VEDI IPOCLORITO DI POTASSIO (SOLUZIONE)                           | JAVEL WATER: SEE POTASSIUM HYPOCHLORITE (SOLUTION)                              |           |                                     |    |     |    |      |    |     |          |               |     |     | 1      |     |
| ACQUA DI MARE (SALATA, SALMASTRA)   | SEA WATER (BRINE, BRACKISH)   | 2         | 3                                   | 2  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ACQUA DISTILLATA, DEMINERALIZZATA, DI CONDENSAZIONE: SENZA INFLUENZA SUI POLIMERI | DISTILLED, DEMINERALIZED, CONDENSATION WATER, WITHOUT ANY INFLUENCE ON POLYMERS |           |                                     |    |     |    |      |    |     |          |               |     |     | 1      |     |
| ACQUA OSSIGENATA 10% (PERIDROLO)  | HYDROGEN PEROXIDE 10% (PERHYDROL)   | X         | 3                                   | 2  | 2   | X  | 3    | 1  | -   | 1        | 1-2           | 2   | 1   |        |     |
| ACQUA OSSIGENATA 30% (PERIDROLO)  | HYDROGEN PEROXIDE 30% (PERHYDROL)   | X         | X                                   | 2  | 2   | X  | X    | 1  | 2   | 1-2      | 1             | 1   | 1   |        |     |
| ACQUA REGALE  | AQUA REGIA  | X         | X                                   | X  | 3   | X  | 2    | 3  | 3   | 2        | 2             | X   | 1   |        |     |
| ACRILATO D'ETILE (ESTERE ETILACRILICO)  | ETHYL ACRYLATE (ETHYLACRILIC ESTER)   | X         | 3                                   | -  | 2   | 3  | X    | 2  | X   | 1        | X             | -   | 1   |        |     |
| ALCOOL AMILICO  | AMYLIC ALCOHOL  | 3         | 1                                   | 2  | 1   | 1  | 1    | 1  | 1   | 2        | 1             | 1   | 1   |        |     |
| ALCOOL BENZILICO  | BENZYL ALCOHOL  | X         | 1-2                                 | X  | 1   | 3  | X    | 1  | 2   | 2        | 1             | 3   | 1   |        |     |
| ALCOOL BUTILICO (BUTANOLO)  | BUTYL ALCOHOL (BUTANOL)   | 2         | 1                                   | 3  | 1   | 1  | 1    | 2  | 1   | 1        | 1             | X   | 1   |        |     |
| ALCOOL DIACETONICO  | DIACETONE ALCOHOL   | 3         | X                                   | 2  | 1   | 3  | X    | 1  | -   | 3        | X             | -   | 1   |        |     |
| ALCOOL ESILICO (ESANOLO)  | HEXIL ALCOHOL (HEXANOL)   | 2         | 1                                   | X  | 1   | 2  | 1    | 3  | 1   | 1        | 1             | 1   | 1   |        |     |
| ALCOOL ETILICO DENATURATO   | ETHYL ALCOHOL   | 2         | 1                                   | 2  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ALCOOL FURFURICO (FURFUROLO)  | FURFURYL ALCOHOL  | X         | 2                                   | X  | 2   | 2  | X    | 2  | -   | 2-3      | 3             | X   | 1   |        |     |
| ALCOOL ISOBUTILICO (ISOBUTANOLO)  | ISOBUTYL ALCOHOL  | 3         | 1-2                                 | X  | 1   | 1  | 2    | 1  | 2   | 1        | 1             | 1   | 1   |        |     |
| ALCOOL ISOPROPILICO (ISOPROANOLO)   | ISOPROPYL ALCOHOL   | 2         | 1                                   | 3  | 1   | 1  | 2    | 1  | 2   | 1        | 1             | 1   | 1   |        |     |
| ALCOOL LAURILICO (ALCOOL DODECILICO)  | LAURYL ALCOHOL (DODECYL ALCOHOL)  | -         | -                                   | -  | 1   | 1  | 1    | -  | -   | -        | 1             | -   | 1   |        |     |
| ALCOOL METILICO (METANOLO)  | METHYL ALCOHOL (METHANOL)   | 2         | 1                                   | 3  | 1   | 1  | 1    | 1  | 1   | 1        | 1-2           | 1   | 1   |        |     |
| ALCOOL OTTILICO (OTTANOLO)  | OCTYL ALCOHOL   | 3         | 2                                   | X  | 1   | 1  | 2    | 2  | -   | 1        | 1             | 1   | 1   |        |     |
| ALCOOL PROPILICO  | PROPYL ALCOHOL  | 2         | 1                                   | 3  | 1   | 1  | 2    | 2  | 1   | 2        | 1             | 1   | 1   |        |     |
| AMIDO ACQUOSO   | AQUEOUS STARCH  | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| AMINE BUTILICA  | BUTYL AMINE   | -         | X                                   | X  | X   | X  | 3    | 2  | X   | X        | X             | -   | 1   |        |     |
| AMINE PROPILICA   | PROPYL AMINE  | -         | X                                   | X  | X   | X  | X    | X  | -   | X        | X             | -   | 1   |        |     |
| AMMONIACA (SOLUZIONE ACQUOSA)   | AMMONIA (AQUEOUS SOLUTION)  | 3         | 1                                   | X  | 1   | 1  | 1    | 1  | 1   | 3        | 1             | 1   | 1   |        |     |

ATTENZIONE! I seguenti dati sono basati su test di laboratorio ad alta attendibilità. La lista deve comunque essere usata unicamente come guida in quanto bisogna sempre considerare, nella scelta della gomma, variabili quali temperatura, concentrazione del fluido, tipologia di solvente e ambiente di lavoro. Per qualsiasi applicazione gravosa contattare TGT.

WARNING! The following informations are based on highly reliability laboratory tests. The list however, should be used only as a guide since we must assume that when choosing the rubber compuond, things may vary such as temperature, fluid concentration, type of solvent and working conditions. For heavy duty applications please contact TGT.

| TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE |  |                                     |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     |   |
|--|--|-------------------------------------|-------------------------------------|--|--|--|--|--|--|--|--|--|----|-----|-----|------|----|-----|----------|---------------|-----|-----|--------|-----|---|
| LEGENDA / KEY  |  | 3                                   | Scarsa resistenza / Poor resistance |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     |   |
| 1  | Eccellente resistenza / Excellent resistance | X                                   | Nessuna resistenza / No resistance  |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     |   |
| 2  | Buona resistenza / Good resistance           | -                                   | Nessun dato / No data               |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     |   |
| AGENTE CHIMICO   |  | CHEMICALS                           |                                     |  |  |  |  |  |  |  |  |  | NR | SBR | PU  | EPDM | CR | NBR | SILICONE | FLUORSILICONE | CSM | FKM | UHMWPE | FEP |   |
| AMMONIACA GASSOSA 20°C                                 |  | GASSEOUS AMMONIA 20°C               |                                     |  |  |  |  |  |  |  |  |  | -  | 1   | X   | 1    | 1  | 1   | 1        | 1             | 2   | 1   | 1      | 1   | 1 |
| AMMONIACA LIQUIDA                                      |  | LIQUID AMMONIA                      |                                     |  |  |  |  |  |  |  |  |  | 3  | 2   | X   | 1    | 2  | 1-2 | 3        | X             | 2   | X   | 1      | 1   | 1 |
| ANIDRIDE ACETICA 50%                                   |  | ACETIC ANHYDRIDE 50%                |                                     |  |  |  |  |  |  |  |  |  | X  | 2   | X   | 1    | 3  | 3   | 1        | X             | 1   | X   | 3      | 1   | 1 |
| ANIDRITE: VEDI SOLFATO DI CALCIO                       |  | ANHYDROUS: SEE CALCIUM SULFATE      |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| ANILINA (AMINOBENZENE)                                 |  | ANILINE                             |                                     |  |  |  |  |  |  |  |  |  | X  | X   | X   | X    | 3  | X   | 2        | 3             | 3   | 1-2 | 1      | 1   | 1 |
| ANOLO: VEDI CICLOESANOLO                               |  | ANOL: SEE CYCLOEXANOL               |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| ANONE: VEDI CICLOESANONE                               |  | ANON: SEE CYCLOEXANONE              |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| ARGON (GAS)  |  | ARGON (GAS)                         |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 1   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| ARIA ATMOSFERICA FINO A °C                             |  | ATMOSPHERIC AIR UP TO °C            |                                     |  |  |  |  |  |  |  |  |  | 70 | 70  | 80  | 120  | 90 | 90  | 175      | 175           | 120 | 200 | 90     | 1   | 1 |
| ARIA COMPRESSA FINO A °C                               |  | COMPRESSED AIR UP TO °C             |                                     |  |  |  |  |  |  |  |  |  | X  | X   | 80  | X    | 90 | 100 | 175      | 175           | 120 | 200 | 90     | 1   | 1 |
| ASFALTO  |  | ASPHALT                             |                                     |  |  |  |  |  |  |  |  |  | X  | X   | 2   | X    | 2  | 2   | 2        | 2             | 2   | 1   | 1      | 1   | 1 |
| AZOTO  |  | NITROGEN                            |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 1   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| BENZALDEIDE  |  | BENZALDEHYDE                        |                                     |  |  |  |  |  |  |  |  |  | X  | 3   | 3   | 2    | X  | X   | 3        | X             | X   | 2   | X      | 1   | 1 |
| BENZENE, BENZOLO                                       |  | BENZENE, BENZOL                     |                                     |  |  |  |  |  |  |  |  |  | X  | X   | X   | X    | X  | 3-X | X        | 1             | 3-X | 1-2 | X      | 1   | 1 |
| BENZINE: VEDI ESSENZE                                  |  | PETROLS: SEE ESSENCES               |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| BENZOATO BUTILICO                                      |  | BUTYL BENZOATE                      |                                     |  |  |  |  |  |  |  |  |  | -  | X   | -   | 1    | X  | X   | -        | 1             | X   | 1   | -      | 1   | 1 |
| BENZOATO DI BENZILE                                    |  | BENZYL BENZOATE                     |                                     |  |  |  |  |  |  |  |  |  | -  | X   | -   | 2    | X  | X   | -        | 1             | -   | 1   | -      | 1   | 1 |
| BICARBONATO DI POTASSIO ACQUOSO                        |  | AQUEOUS POTASSIUM BICARBONATE       |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 2   | 1    | 1  | 1   | 1        | -             | 1   | 1   | 1      | 1   | 1 |
| BICARBONATO DI SODIO                                   |  | SODIUM BICARBONATE                  |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 2   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| BICLORURO DI PROPILENE                                 |  | PROPYLENE CHLORIDE                  |                                     |  |  |  |  |  |  |  |  |  | X  | X   | -   | X    | X  | X   | X        | -             | -   | -   | X      | 1   | 1 |
| BICROMATO DI POTASSIO                                  |  | POTASSIUM DICHROMATE                |                                     |  |  |  |  |  |  |  |  |  | -  | 3   | 2   | 1    | 3  | 2   | 1        | 3             | 1-2 | 1   | 1      | 1   | 1 |
| BICROMATO DI SODIO                                     |  | SODIUM DICHROMATE                   |                                     |  |  |  |  |  |  |  |  |  | X  | 2-3 | 3   | 1    | 2  | 3   | 2        | -             | 1   | 1   | 1      | 1   | 1 |
| BISOLFATO (SOLUZIONE DI SO2)                           |  | BISULPHATE (SO2 SOLUTION)           |                                     |  |  |  |  |  |  |  |  |  | -  | 1   | -   | 1    | -  | 3   | -        | -             | -   | 1   | 1      | 1   | 1 |
| BISOLFATO DI CALCIO ACQUOSO                            |  | AQUEOUS CALCIUM BISULPHATE          |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 1   | 1    | 1  | 1   | 1        | -             | 1   | 1   | 1      | 1   | 1 |
| BISOLFATO DI SODIO                                     |  | SODIUM BISULPHATE                   |                                     |  |  |  |  |  |  |  |  |  | 3  | 1   | X   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| BISOLFITO DI CALCIO                                    |  | CALCIUM BISULPHITE                  |                                     |  |  |  |  |  |  |  |  |  | 2  | 2   | 3   | 1    | 2  | 3   | 2        | 1             | 1   | 1   | 1      | 1   | 1 |
| BISOLFITO DI SODIO                                     |  | SODIUM BISULPHITE                   |                                     |  |  |  |  |  |  |  |  |  | 3  | 1   | X   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| BITUME 20°C  |  | BITUMEN 20°C                        |                                     |  |  |  |  |  |  |  |  |  | -  | X   | 2   | X    | 3  | 2   | 3        | 1             | 3   | 1   | 1      | 1   | 1 |
| BITUME CALDO FINO A °C                                 |  | HOT BITUMEN UP TO °C                |                                     |  |  |  |  |  |  |  |  |  | -  | X   | X   | X    | X  | 120 | X        | -             | X   | 180 | X      | 1   | 1 |
| BLU DI MONTAGNA: VEDI IDROSSIDO DI RAME                |  | BLUE MOUNTAIN: SEE COPPER HYDROXIDE |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| BROMO  |  | BROMINE                             |                                     |  |  |  |  |  |  |  |  |  | X  | X   | X   | X    | X  | 3-X | X        | 2             | X   | 1   | X      | 1   | 1 |
| BROMOBENZENE   |  | BROMOBENZENE                        |                                     |  |  |  |  |  |  |  |  |  | X  | X   | X   | X    | X  | X   | X        | 1             | X   | 1   | X      | 1   | 1 |
| BROMURO D'ETILE  |  | ETHYL BROMIDE                       |                                     |  |  |  |  |  |  |  |  |  | -  | 2   | 2   | 1    | 1  | 1   | X        | 1             | X   | 1   | 2      | 1   | 1 |
| BROMURO DI POTASSIO                                    |  | POTASSIUM BROMIDE                   |                                     |  |  |  |  |  |  |  |  |  | -  | 1   | 1   | 1    | 1  | 1   | 1        | -             | 1   | 1   | 1      | 1   | 1 |
| BUTADIENE  |  | BUTADIENE                           |                                     |  |  |  |  |  |  |  |  |  | X  | X   | 1-2 | 3    | 2  | X   | -        | 2             | 2   | 1   | 1      | 1   | 1 |
| BUTANO GASSOSO   |  | GASEOUS BUTANE                      |                                     |  |  |  |  |  |  |  |  |  | X  | 2   | 1   | 2    | 1  | 1   | 3        | -             | 1   | 1   | X      | 1   | 1 |
| BUTANO LIQUIDO   |  | LIQUID BUTANE                       |                                     |  |  |  |  |  |  |  |  |  | X  | X   | 1   | X    | 1  | 1   | 3        | 1             | 1   | 1   | 1      | 1   | 1 |
| BUTILENE LIQUIDO                                       |  | LIQUID BUTYLENE                     |                                     |  |  |  |  |  |  |  |  |  | -  | 3   | -   | 2    | 3  | 2   | -        | X             | 3   | 1   | X      | 1   | 1 |
| BUTIRALDEIDE (ALDEIDE BUTIRICO)                        |  | BUTYRALDEHYDE (BUTIRIC ALDEHYDE)    |                                     |  |  |  |  |  |  |  |  |  | X  | 3   | -   | 2    | 2  | 3   | 3        | X             | 3   | X   | 1      | 1   | 1 |
| CALCE VIVA CALCINATA: VEDI OSSIDO DI CALCIO            |  | BURNT LIME: SEE CALCIUM OXIDE       |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| CARBONATO DI AMMONIO ACQUOSO                           |  | AQUEOUS AMMONIUM CARBONATE          |                                     |  |  |  |  |  |  |  |  |  | -  | 1-2 | X   | 1    | 1  | 2   | 2        | -             | 1   | 1   | 1      | 1   | 1 |
| CARBONATO DI BISMUTO                                   |  | BISMUTH CARBONATE                   |                                     |  |  |  |  |  |  |  |  |  | -  | 1   | 1   | 1    | 1  | 1   | 1        | -             | -   | 1   | 1      | 1   | 1 |
| CARBONATO DI CALCIO                                    |  | CALCIUM CARBONATE                   |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 1   | 1    | 1  | 1   | 1        | -             | -   | 1   | 1      | 1   | 1 |
| CARBONATO DI POTASSIO (POTASSA)                        |  | POTASSIUM CARBONATE (POTASH)        |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 3   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| CARBONATO DI SODIO (SODIO CALCINATO)                   |  | SODIUM CARBONATE (SODIUM CALCINATE) |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | X   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| CARBITOLO: VEDI ETILGLICOLE                            |  | CARBITOL: SEE ETHYL GLYCOL          |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| CARBURANTI: VEDI ESSENZE O OLI                         |  | FUELS: SEE ESSENCES OR OILS         |                                     |  |  |  |  |  |  |  |  |  |    |     |     |      |    |     |          |               |     |     |        |     | 1 |
| CIANURO DI POTASSIO                                    |  | POTASSIUM CYANIDE                   |                                     |  |  |  |  |  |  |  |  |  | 2  | 1   | 3   | 1    | 1  | 1   | 1        | 1             | 1   | 2   | 1      | 1   | 1 |
| CIANURO DI RAME  |  | COPPER CYANIDE                      |                                     |  |  |  |  |  |  |  |  |  | 3  | 1   | 2   | 1    | 1  | 1   | 1        | -             | 1   | 1   | 1      | 1   | 1 |
| CIANURO DI SODIO                                       |  | SODIUM CYANIDE                      |                                     |  |  |  |  |  |  |  |  |  | X  | 1   | 3   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| CICLOESANO (ESAIDROBENZENE)                            |  | CYCLOEXANE (HEXAIDROBENZENE)        |                                     |  |  |  |  |  |  |  |  |  | X  | X   | 2   | X    | X  | 1   | X        | 1             | X   | 1   | 1      | 1   | 1 |
| CICLOESANOLO   |  | CYCLOEXANOLE                        |                                     |  |  |  |  |  |  |  |  |  | X  | 1-2 | X   | X    | 1  | 2   | 2        | 1             | 1   | 1   | 1      | 1   | 1 |
| CICLOESANONE   |  | CICLOEXANONE                        |                                     |  |  |  |  |  |  |  |  |  | X  | X   | X   | 3    | X  | X   | 2        | X             | X   | X   | 1      | 1   | 1 |
| CLORATO DI POTASSIO                                    |  | POTASSIUM CHLORATE                  |                                     |  |  |  |  |  |  |  |  |  | -  | 1   | 2   | 1    | 1  | 1   | 2        | -             | 1   | 1   | 1      | 1   | 1 |
| CLORATO DI SODIO                                       |  | SODIUM CHLORATE                     |                                     |  |  |  |  |  |  |  |  |  | -  | 1   | 2   | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   | 1 |
| CLORDIFENILE   |  | CHLORODIPHENIL                      |                                     |  |  |  |  |  |  |  |  |  | -  | X   | X   | X    | X  | X   | 2        | -             | X   | 1   | 1      | 1   | 1 |

ATTENZIONE! I seguenti dati sono basati su test di laboratorio ad alta attendibilità. La lista deve comunque essere usata unicamente come guida in quanto bisogna sempre considerare, nella scelta della gomma, variabili quali temperatura, concentrazione del fluido, tipologia di solvente e ambiente di lavoro. Per qualsiasi applicazione gravosa contattare TGT.

WARNING! The following informations are based on highly reliability laboratory tests. The list however, should be used only as a guide since we must assume that when choosing the rubber compound, things may vary such as temperature, fluid concentration, type of solvent and working conditions. For heavy duty applications please contact TGT.

**TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE**

| LEGENDA / KEY  |   | 3         | Scarsa resistenza / Poor resistance |     |   |   |     |     |   |     |     |     |    |     |    |      |    |     |          |               |     |     |        |     |
|--|---|-----------|-------------------------------------|-----|---|---|-----|-----|---|-----|-----|-----|----|-----|----|------|----|-----|----------|---------------|-----|-----|--------|-----|
| 1  | Eccelente resistenza / Excellent resistance               | X         | Nessuna resistenza / No resistance  |     |   |   |     |     |   |     |     |     |    |     |    |      |    |     |          |               |     |     |        |     |
| 2  | Buona resistenza / Good resistance                        | -         | Nessun dato / No data               |     |   |   |     |     |   |     |     |     |    |     |    |      |    |     |          |               |     |     |        |     |
| AGENTE CHIMICO   |   | CHEMICALS |                                     |     |   |   |     |     |   |     |     |     | NR | SBR | PU | EPDM | CR | NBR | SILICONE | FLUORSILICONE | CSM | FPM | UHMWPE | FEP |
| CLORO SECCO  | DRY CHLORINE  | X         | 2                                   | X   | 3 | X | 3   | X   | 1 | 2   | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORO UMIDO  | HUMID CHLORINE  | X         | 3                                   | X   | 3 | X | X   | X   | 2 | 2   | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLOROFORMIO (TRICLOROMETANO)   | CHLOROFORM (TRICHLOROMETHANE)                             | X         | X                                   | X   | X | X | X   | X   | 2 | X   | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'ALLILE   | ALLYL CHLORIDE  | -         | X                                   | X   | X | X | X   | 1   | - | -   | -   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'ALLUMINIO ACQUOSO  | AQUEOUS ALLUMINIUM CHLORIDE                               | 2         | 1                                   | 1-2 | 1 | 1 | 1   | X   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'AMILE  | AMYL CHLORIDE   | X         | X                                   | X   | X | X | X   | 3   | - | -   | -   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'AMMONIO ACQUOSO  | AQUEOUS AMMONIUM CHLORIDE                                 | 2         | 1                                   | 1   | 1 | 1 | 1   | 1   | - | 2   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'ANTIMONIO 50%  | ANTIMONY CHLORIDE 50%                                     | -         | 1                                   | 2   | 1 | 1 | 3   | X   | - | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'ETILE (CLORETILO)  | ETHYL CHLORIDE (CHLOROETHYL)                              | X         | X                                   | X   | X | X | X   | X   | - | X   | 2   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO D'ETILENE (DICLOROETANO)                                     | ETHYLENE CHLORIDE (DICHLOROETHYLENE)                      | X         | 3                                   | X   | 2 | 3 | 3   | X   | 3 | X   | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI BARIO ACQUOSO   | AQUEOUS BARIUM CHLORIDE                                   | 2         | 1                                   | 1   | 1 | 1 | 1   | 1   | 1 | 2   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI BENZILE   | BENZYL CHLORIDE   | -         | 3                                   | X   | X | 3 | X   | 2   | 1 | X   | 1   | 2-3 | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI CALCIO ACQUOSO  | AQUEOUS CALCIUM CHLORIDE                                  | 2         | 1                                   | 1   | 1 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI FERRO ACQUOSO   | AQUEOUS FERROUS CHLORIDE                                  | 2         | 1                                   | 3   | 1 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI MAGNESIO ACQUOSO  | AQUEOUS MAGNESIUM CHLORIDE                                | 2         | 1                                   | 1   | 1 | 1 | 1   | 1   | 1 | 1-2 | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI MERCURIO  | MERCURY CHLORIDE  | -         | 1                                   | 1   | 1 | 2 | 3   | 1   | - | 1-2 | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI METILE  | METHYL CHLORIDE   | X         | 3                                   | X   | 2 | X | X   | X   | 2 | X   | 3   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI POTASSIO  | POTASSIUM CHLORIDE  | 2         | 1                                   | 1   | 1 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI RAME  | COPPER CHLORIDE   | 3         | 1                                   | 1   | 1 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI SODIO (SALE CA CUCINA)                                    | SODIUM CHLORIDE (KITCHEN SALT)                            | 2         | 1                                   | 2   | 1 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI VINILE (MONOMERO)   | VINYL CHLORIDE (MONOMER)                                  | X         | 2                                   | X   | 2 | X | X   | X   | - | -   | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO DI ZINCO ACQUOSO   | AQUEOUS ZINC CHLORIDE                                     | 2         | 1                                   | 3   | 1 | 1 | 1   | 1   | 1 | 1   | 1-2 | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO ISOPROPILICO   | ISOPROPYL CHLORIDE  | -         | X                                   | -   | X | - | X   | -   | 2 | -   | 1   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CLORURO STANNOSO   | STANNOUS CHLORIDE   | 2         | 1                                   | 1   | 2 | 1 | 1   | 2   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| COLLA DI ORIGINE ANIMALE   | ANIMAL GLUE   | -         | 2                                   | 2   | 3 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CREOSOTO   | CREOSOTE  | X         | X                                   | 2   | 2 | X | X   | 2   | 1 | 2-3 | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CRESOLI  | CRESOLS   | X         | X                                   | X   | X | 3 | 3   | 2   | 2 | 3   | 1   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| CROMO: VEDI ACIDO CROMICO  | CHROMIUM: SEE CHROMIC ACID                                |           |                                     |     |   |   |     |     |   |     |     |     | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DECALINA (DECAIDRURO DI NAFTALINA)                                   | DECALIN (DECAHYDRONAPHTALENE)                             | X         | X                                   | 1   | X | X | 1-2 | X   | 1 | X   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DETERGENTI SINTETICI 20°C  | SYNTHETIC DETERGENTS 20°C                                 | 3         | 1                                   | 1   | 1 | 1 | 1   | 1   | 1 | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIBENZILETERE  | DIBENZYL ETHER  | X         | X                                   | X   | 2 | X | X   | 2   | - | X   | 1   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIBUTILAMINA   | DIBUTYLAMINE  | X         | X                                   | -   | X | X | X   | 3   | X | X   | X   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIBUTILCHETONE   | DIBUTYLKETONE   | -         | -                                   | -   | - | - | -   | -   | - | -   | -   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIBUTILSEBACATO  | DIBUTYL SEBACATE  | X         | X                                   | X   | 2 | X | X   | 1   | 2 | X   | 2   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DICLORBENZENE  | DICHLORBENZENE  | X         | X                                   | X   | X | X | 3   | X   | 2 | X   | 1   | 3   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DICLORETILO  | DICHLORETHYLENE   | X         | X                                   | X   | X | X | X   | X   | - | X   | 2   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DICLORMETANO   | DICHLORMETHANE  | X         | X                                   | X   | X | X | 3   | X   | 2 | X   | 2   | X   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIETANOLAMINA  | DIETHANOLAMINE  | 3         | -                                   | -   | 1 | - | 3   | -   | - | -   | -   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIETILAMINA  | DIETHYLAMINE  | 3         | 2                                   | 3   | 2 | 3 | 3   | 2   | X | 3   | X   | 3   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIETILBENZENE  | DIETHYLBENZENE  | X         | X                                   | X   | X | X | X   | X   | 1 | X   | -   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIETILENEGLICOLE   | DIETHYLENE GLYCOL   | 2         | 1                                   | 3   | 1 | 1 | 1   | 2   | - | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIFENILE   | DIPHENYL  | -         | X                                   | X   | X | X | 3   | X   | 2 | X   | 1   | 2   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIFENILI PERCLORI (PIRANOLI E POLICLORI): VEDI OLI PER TRASFORMATORI | PERCHLORO DIPHENILS (PYRANOLS): SEE OILS FOR TRANSFORMERS |           |                                     |     |   |   |     |     |   |     |     |     | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIFELIOSSIDO   | DIPHENIL OXIDE  | -         | X                                   | X   | X | X | X   | 2   | 2 | X   | 3   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIFOLFATO D'AMMONIO ACQUOSO  | AQUEOUS AMMONIUM DIPHOSFATE                               | -         | 1                                   | 1   | 1 | 1 | 1   | 1-2 | - | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIMETILAMINA   | DIMETHYLAMINE   | 3         | X                                   | -   | 2 | X | X   | -   | - | X   | X   | 3   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIMETILANILINA   | DIMETHYLANILINE   | -         | 2-3                                 | X   | 2 | X | X   | 2   | X | 3   | 1   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIMETILETERE   | DIMETHYLETHER   | X         | X                                   | 2   | X | 3 | 3   | -   | - | 3   | 3   | 2   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIMETILFORMAMIDE   | DIMETHYLFORMAMIDE   | -         | 1                                   | 3   | 2 | 3 | 2   | 2   | - | 3   | X   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIOCTILSEBACATO  | DIOCTYLSEBACATE   | -         | X                                   | 2   | 2 | X | X   | 3   | 2 | X   | 2   | -   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| DIOSINA  | DIOXIN  | -         | X                                   | X   | 2 | X | X   | X   | 3 | X   | X   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| ELIO   | HELIUM  | 2         | 1                                   | 1   | 1 | 1 | 1   | 1   | - | 1   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| EPICLORIDRINA LIQUIDA  | LIQUID EPICHLOROHYDRIN                                    | -         | X                                   | X   | 2 | X | X   | X   | X | X   | X   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| EPTANO   | HEPTANE   | X         | X                                   | 2   | X | 2 | 1   | X   | - | 2   | 1   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| ESALDEIDE  | HEXALDEHYDE   | X         | 3                                   | 3   | 2 | 2 | X   | 3   | - | -   | -   | 1   | 1  |     |    |      |    |     |          |               |     |     |        |     |
| ESALINA: VEDI CICLOESANOLO, CICLOESANO                               | HEXALIN: SEE CYCLOHEXANOL, CYCLOHEXANE                    |           |                                     |     |   |   |     |     |   |     |     |     | 1  |     |    |      |    |     |          |               |     |     |        |     |

ATTENZIONE! I seguenti dati sono basati su test di laboratorio ad alta attendibilità. La lista deve comunque essere usata unicamente come guida in quanto bisogna sempre considerare, nella scelta della gomma, variabili quali temperatura, concentrazione del fluido, tipologia di solvente e ambiente di lavoro. Per qualsiasi applicazione gravosa contattare TGT.

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| TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE |   |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     |     |        |     |
|--|---|-----------|-------------------------------------|-----|---|-----|-----|---|---|-----|-----|---|----|-----|----|---------|----|-----|----------|---------------|-----|-----|--------|-----|
| LEGENDA / KEY  |   | 3         | Scarsa resistenza / Poor resistance |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     |     |        |     |
| 1  | Eccellente resistenza / Excellent resistance  | X         | Nessuna resistenza / No resistance  |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     |     |        |     |
| 2  | Buona resistenza / Good resistance            | -         | Nessun dato / No data               |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     |     |        |     |
| AGENTE CHIMICO   |   | CHEMICALS |                                     |     |   |     |     |   |   |     |     |   | NR | SBR | PU | EP/EPDM | CR | NBR | SILICONE | FLUORSILICONE | CSM | PPM | UHMWPE | FEP |
| ESANO  | HEXANE  | X         | X                                   | 2   | X | 1   | 1   | X | 1 | 1   | X   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ESANOLO (ALCOOL ESILICO)                               | HEXANOL                                       | 2         | -                                   | -   | - | -   | -   | - | - | -   | -   | - | -  | -   | -  | -       | -  | -   | -        | -             | -   | 1   |        |     |
| ESSENZE A BASSO TENORE AROMATICO                       | ESSENCES WITH LOW AROMATIC CONTENT            | -         | X                                   | 2   | X | 2-3 | 1   | X | 1 | X   | 1   | X | 1  | X   | 1  | X       | 1  | X   | 1        | X             | 1   | 1   |        |     |
| ESSENZE AD ALTO TENORE AROMATICO                       | ESSENCES WITH HIGH AROMATIC CONTENT           | -         | X                                   | 2-3 | X | 3   | 1-2 | X | 1 | X   | 1   | X | 1  | X   | 1  | X       | 1  | X   | 1        | X             | 1   | 1   |        |     |
| ESTERE DIETILICO DELL'ACIDO ADIPICO                    | DIETHYL ESTER OF ADIPIC ACID                  | -         | 3                                   | -   | 1 | 3   | X   | - | - | 1   | X   | - | -  | 1   | X  | -       | -  | 1   | X        | -             | -   | 1   |        |     |
| ESTERE ETILACRILICO: VEDI ACRILATO D'ETILE             | ETHYL ACRYLIC ESTER: SEE ETHYL ACRYLATE       |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| ESTERE FOSFATICO: VEDI Oli IDRAULICI                   | PHOSPHATE ESTER: SEE HYDRAULIC OILS           |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| ETANO (GAS)  | ETHANE (GAS)                                  | -         | X                                   | 1   | X | 2   | 1   | 3 | 1 | 3   | 1   | 3 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ETANOLAMINA  | ETHANOLAMINE                                  | 3         | 1                                   | X   | 1 | 1   | 2   | 3 | X | 2   | 2   | 2 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ETERE BUTILICO   | BUTYL ETHER                                   | X         | X                                   | 3   | 3 | 2   | 1   | 3 | - | -   | -   | - | -  | -   | -  | -       | -  | -   | -        | -             | 1   | 1   |        |     |
| ETERE DI PETROLIO: VEDI ESSENZE                        | PETROLEUM ETHER: SEE ESSENCES                 |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| ETERE ETILICO E DIETILICO                              | ETHYL AND DIETHYL ETER                        | X         | X                                   | 1   | X | 3   | X   | X | - | 3   | X   | X | X  | 1   | X  | X       | X  | X   | X        | X             | X   | 1   |        |     |
| ETERE ISOPROPILICO                                     | ISOPROPYL ETHER                               | X         | X                                   | 2   | 3 | 3   | 3   | - | - | 3   | 3   | 3 | 3  | 3   | 3  | 3       | 3  | 3   | 3        | 3             | 3   | 1   |        |     |
| ETILBENZENE  | ETHYL BENZENE                                 | X         | X                                   | X   | X | X   | 3   | X | 1 | X   | 2   | X | 1  | X   | 2  | X       | 1  | X   | 1        | X             | 1   | 1   |        |     |
| ETILENE (GAS)  | ETHYLENE (GAS)                                | X         | X                                   | 1   | - | 2   | 1   | 2 | 1 | X   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ETILENE DIAMINE  | DIAMINE ETHYLENE                              | 3         | 1                                   | X   | 1 | 1   | 2   | 3 | X | 2   | 2   | 2 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ETILENE GLICOLE  | ETHYLENE GLYCOL                               | 2         | 1-2                                 | 2   | 1 | 1   | 1   | 1 | 1 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| ETILGLICOLE  | ETHYL GLYCOL                                  | -         | 2                                   | X   | 2 | X   | X   | - | X | -   | X   | - | X  | -   | X  | -       | X  | -   | X        | -             | X   | 1   |        |     |
| ETILMERCAPTANO (ETILTIOLO, MERCAPTANO ETILICO)         | ETHYL MERCAPTAN (ETHYLTHIOL, ETHYL MERCAPTAN) | -         | X                                   | X   | 3 | 3   | X   | 3 | - | 2   | X   | - | 2  | X   | -  | 2       | X  | -   | 2        | X             | -   | 1   |        |     |
| ETILTIOLO: VEDI ETILMERCAPTANO                         | ETHYLTHIOL: SEE ETHYL MERCAPTAN               |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| FENOLO (ACIDO FENICO)                                  | PHENOL (PHENIC ACID)                          | X         | 3                                   | X   | X | 3   | X   | 2 | 2 | 3   | 1   | X | 1  | X   | 1  | X       | 1  | X   | 1        | X             | 1   | 1   |        |     |
| FLUORBENZENE   | FLUORBENZENE                                  | -         | X                                   | -   | X | X   | X   | X | 2 | X   | 1   | - | 1  | -   | 1  | -       | 1  | -   | 1        | -             | -   | 1   |        |     |
| FLUORO LIQUIDO   | LIQUID FLUORINE                               | -         | -                                   | -   | 3 | -   | -   | - | X | -   | 2   | X | -  | 2   | X  | -       | 2  | X   | -        | 2             | X   | 1   |        |     |
| FLUORURO D'ALLUMINIO                                   | ALUMINUM FLUORIDE                             | 3         | 1                                   | 3   | 1 | 1   | 1   | 1 | 1 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FLUORURO DI SODIO                                      | SODIUM FLUORIDE                               | -         | 1                                   | 2   | 1 | 1   | 1   | 2 | - | -   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FORMALDEIDE  | FORMALDEHYDE                                  | 3         | 2                                   | 2   | 2 | 2   | 2   | 1 | - | 1-2 | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FORMALINA  | FORMALIN                                      | 3         | 1                                   | 2   | 1 | 1   | 2   | 2 | - | 2   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FOSFATO D'ALLUMINIO ACQUOSO                            | AQUEOUS ALUMINUM PHOSPHATE                    | -         | 1                                   | -   | 1 | 1   | 1   | 1 | - | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FOSFATO D'AMMONIO ACQUOSO                              | AQUEOUS AMMONIUM PHOSPHATE                    | 2         | 1                                   | 1   | 1 | 1   | 1   | 2 | - | 2   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FOSFATO DI POTASSIO                                    | POTASSIUM PHOSPHATE                           | -         | 1                                   | 1   | 1 | 2   | 1   | X | - | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FOSFATO DI SODIO E FOSFATO TRISODICO                   | SODIUM PHOSPHATE AND TRISODIC PHOSPHATE       | -         | 1                                   | 2   | 1 | 1   | 1   | 1 | - | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| FOSFATO TRISODICO                                      | TRISODIC PHOSPHATE                            | -         | 1                                   | 3   | 1 | 1   | 1   | 1 | - | 1   | -   | 1 | -  | 1   | -  | 1       | -  | 1   | -        | 1             | -   | 1   |        |     |
| FTALATO DI BUTILE (DIBUTILFTALATO)                     | BUTYL PHTALATE (DIBUTYL PHTHALATE)            | X         | 3                                   | 3   | 2 | 3   | 3   | 2 | 2 | 3-X | 2   | 3 | 1  | 2   | 3  | 1       | 2  | 3   | 1        | 2             | 3   | 1   |        |     |
| FTALATO DIOCTILE (DIOCTILFTALATO)                      | DIOCTYL PHTHALATE                             | X         | X                                   | 2   | 2 | X   | X   | 3 | - | X   | 1-2 | 3 | 1  | 2   | 3  | 1       | 2  | 3   | 1        | 2             | 3   | 1   |        |     |
| FTALATO DI METILE (DIMETILFTALATO)                     | METHYL PHTHALATE                              | -         | X                                   | -   | 2 | X   | X   | - | 2 | X   | 2   | - | 1  | 2   | X  | 2       | -  | 1   | 2        | X             | 2   | -   |        |     |
| FURFUROLO: VEDI ALCOOL FURFURICO                       | FURFURAL: SEE FURFURYL ALCOHOL                |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| GAS ACETILENE  | ACETYLENE GAS                                 | 2         | 1                                   | 1   | 1 | 1   | 1   | 1 | - | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GAS CARBONICO SECCO O UMIDO                            | CARBONIC DRY OR HUMID GAS                     | -         | 1                                   | 1   | 1 | 1   | 1   | 1 | 1 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GAS CLORIDRICO   | HYDROCHLORIC GAS                              | -         | 1                                   | 2   | 1 | 3   | 2   | 1 | - | 1-2 | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GAS ESILARANTE: VEDI OSSIDO NITROSO O AZOTATO          | LAUGHING GAS: SEE NITROUS OXIDE GAS           |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| GAS NATURALE SECCO                                     | DRY NATURAL GAS                               | X         | 1                                   | 1   | 1 | 1   | 1   | X | 1 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GAS NATURALE UMIDO                                     | HUMID NATURAL GAS                             | X         | 3                                   | 1-2 | 3 | 1   | 1   | X | 1 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GAS PROPANO  | PROPANE GAS                                   | X         | 1                                   | 1   | 1 | 1   | 1   | X | 2 | 2-3 | 1   | 2 | 1  | 2   | 1  | 2       | 1  | 2   | 1        | 2             | 1   | 1   |        |     |
| GASOLIO: VEDI ESSENZE                                  | DIESEL OIL: SEE ESSENCES                      |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| GLICERINA  | GLYCERINE                                     | 2         | 1                                   | 1   | 1 | 1   | 1   | 1 | 1 | 1   | 3   | 1 | 1  | 3   | 1  | 3       | 1  | 3   | 1        | 3             | 1   | 1   |        |     |
| GLICOLE BUTILICO                                       | BUTYL GLYCOLE                                 | -         | 1                                   | 3   | 1 | 3   | 1   | 2 | X | -   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GLUCOSIO   | GLUCOSE                                       | 2         | 1                                   | 1   | 1 | 1   | 1   | 1 | 1 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| GRASSI DI LANA O DI SETA: VEDI LANOLINA                | WOOL OR SILK FATS: SEE LANOLIN                |           |                                     |     |   |     |     |   |   |     |     |   |    |     |    |         |    |     |          |               |     | 1   |        |     |
| IDRATO D'IDRAZINA ACQUOSA                              | AQUEOUS HYDRAZINE HYDRATE                     | X         | X                                   | X   | 1 | 3   | 3   | 3 | - | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| IDRAZINA   | HYDRAZINE                                     | X         | 2                                   | X   | 1 | 2   | 2   | X | - | 2   | X   | 1 | 1  | 2   | X  | 1       | 2  | X   | 1        | 2             | X   | 1   |        |     |
| IDROGENO (GAS)   | HYDROGEN (GAS)                                | 3         | 2                                   | 1   | 1 | 1   | 1   | 3 | 3 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| IDROGENO SOLFOROSO SECCO                               | DRY SULPHUROUS HYDROGEN                       | -         | 3                                   | 3   | 2 | 3   | 2   | 1 | 2 | 1-2 | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| IDROGENO SOLFOROSO UMIDO                               | HUMID SULPHUROUS HYDROGEN                     | -         | X                                   | 3-X | 2 | 3   | 3   | 1 | 3 | 1   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |
| IDROSSIDO D'ALLUMINIO                                  | ALUMINIUM HYDROXIDE                           | 2         | 1                                   | 2   | 1 | 1   | 1   | 1 | - | -   | 1   | 1 | 1  | 1   | 1  | 1       | 1  | 1   | 1        | 1             | 1   | 1   |        |     |

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**TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE**

| LEGENDA / KEY   |   | 3  | Scarsa resistenza / Poor resistance |    |     |     |         |     |     |          |               |     |     |        |     |
|---|---|--|-------------------------------------|----|-----|-----|---------|-----|-----|----------|---------------|-----|-----|--------|-----|
| 1   | Eccelente resistenza / Excellent resistance | X  | Nessuna resistenza / No resistance  |    |     |     |         |     |     |          |               |     |     |        |     |
| 2   | Buona resistenza / Good resistance          | -  | Nessun dato / No data               |    |     |     |         |     |     |          |               |     |     |        |     |
| AGENTE CHIMICO  |   | CHEMICALS  |                                     | NR | SBR | PU  | EP EPDM | CR  | NBR | SILICONE | FLUORSILICONE | CSM | FFM | UHMWPE | FEP |
| IDROSSIDO D'AMMONIO ACQUOSO: VEDI AMMONIACA                         |   | AQUEOUS AMMONIUM HYDROXIDE: SEE AMMONIA                  |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| IDROSSIDO DI BARIO  |   | BARIUM HYDROXIDE   |                                     | 2  | 1   | 1   | 1       | 1   | 1   | 1        | 1             | 2   | 1   | 1      | 1   |
| IDROSSIDO DI CALCIO ACQUOSO   |   | AQUEOUS CALCIUM HYDROXIDE                                |                                     | 2  | 1   | 3   | 1       | 1   | 2   | 2        | 1             | 1   | 1   | 1      | 1   |
| IDROSSIDO DI MAGNESIO   |   | MAGNESIUM HYDROXIDE                                      |                                     | 3  | 2   | 1   | 1       | 1   | 2   | -        | -             | 1   | 1   | -      | 1   |
| IDROSSIDO DI POTASSIO (POTASSIO CAUSTICO)                           |   | POTASSIUM HYDROXIDE (CAUSTIC POTASSIUM)                  |                                     | 3  | 1   | 1   | 1       | 1   | 1   | 3        | -             | 1-2 | 1   | 1      | 1   |
| IRDOSSIDO DI RAME (BLU DI MONTAGNA)                                 |   | COPPER HYDROXIDE (BLUE MOUNTAIN)                         |                                     | -  | 1   | 1   | 1       | 1-2 | X   | 1        | -             | -   | -   | 1      | 1   |
| IDROSSIDO DI SODIO 20°C (SODA CAUSTICA, IDRATO DI SODIO)            |   | SODIUM HYDROXIDE 20°C (CAUSTIC SODA, SODIUM HYDRATE)     |                                     | X  | 1   | 2   | 1       | 1   | 2   | 2        | 2             | 1   | 3   | 1      | 1   |
| IDROSSIDO DI SODIO 100°C  |   | SODIUM HYDROXIDE 100°C                                   |                                     | X  | X   | X   | 2       | 3   | X   | X        | 3             | 3   | X   | X      | 1   |
| INTEMPERIE (ESPOSIZIONE ALLE): REG. GEN.                            |   | WEATHER (EXPOSURE TO): GEN. REG.                         |                                     | 3  | X   | 1   | 1       | 1-2 | X   | 1        | 1             | 1   | 1   | 2      | 1   |
| IODURO DI POTASSIO ACQUOSO 10%                                      |   | AQUEOUS POTASSIUM IODIDE 10%                             |                                     | 3  | 3   | -   | 1       | 1   | 1   | -        | -             | 1   | 1   | 1      | 1   |
| IPOCLORITO DI POTASSIO (ACQUA DI JAVEL)                             |   | POTASSIUM HYPOCHLORITE (JAVEL WATER)                     |                                     | -  | 2   | X   | 2       | X   | 2   | 2        | -             | X   | 1   | 3      | 1   |
| IPOCLORITO DI SODIO 30%   |   | SODIUM HYPOCHLORITE 30%                                  |                                     | -  | 3   | 3   | 1       | X   | 2   | 3        | 2             | 1   | 2-3 | 2      | 1   |
| ISO-OCTANO  |   | ISO-OCTANE   |                                     | X  | X   | 2   | X       | 2   | 1   | 1        | 1             | 2   | 1   | X      | 1   |
| ISOPROPIL BENZOLO   |   | ISOPROPYL BENZOL   |                                     | 2  | X   | 3-X | X       | X   | X   | X        | -             | X   | 1   | -      | 1   |
| KEROSENE  |   | KEROSENE   |                                     | X  | X   | 2   | X       | 3   | 2   | 3        | -             | 2-3 | 1   | X      | 1   |
| LANOLINA  |   | LANOLIN  |                                     | -  | X   | 1   | 3       | 2   | 1   | 3        | -             | 3   | 1   | 2      | 1   |
| LATTE DI CALCE: VEDI IDROSSIDO DI CALCIO ACQUOSO                    |   | WHITENESS: SEE AQUEOUS CALCIUM HYDROXIDE                 |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| LISCIVA DI POTASSIO: VEDI IDROSSIDO DI POTASSIO (ACQUA DI POTASSIO) |   | POTASSIUM LYE: SEE POTASSIUM HYDROXIDE (POTASSIUM WATER) |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| LISCIVA DI SODA CAUSTICA: VEDI IDROSSIDO DI SODIO                   |   | LYE OF CAUSTIC SODA: SEE SODIUM HYDROXIDE                |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| LISCIVA PER SBIANCARE: VEDI IPOCLORITO DI POTASSIO                  |   | LYE TO WHITEN: SEE POTASSIUM HYPOCHLORITE                |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| LIQUIDO PER FRENI IDRAULICI   |   | LIQUID FOR HYDRAULIC BRAKES                              |                                     | X  | X   | 2   | X       | 3   | 2   | X        | -             | 3   | 1   | 2      | 1   |
| LUBRIFICANTI: VEDI Oli E GRASSI                                     |   | LUBRIFICANTS: SEE OILS AND FATS                          |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| MAZOUT  |   | MAZOUT   |                                     | -  | X   | 2   | X       | 2   | 1   | 3        | 1             | 3   | 1   | 3      | 1   |
| MEK: VEDI METILETILCHETONE  |   | MEK: SEE METHYLETHYLKETONE                               |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| MERCURIO  |   | MERCURY  |                                     | 2  | 1   | 1   | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| MESITLOSSIDO  |   | MESITYL OXYDE  |                                     | X  | X   | -   | 2       | X   | X   | X        | X             | X   | X   | -      | 1   |
| METAFOSFATO D'AMMONIO   |   | AMMONIUM METAPHOSPHATE                                   |                                     | -  | 1   | 1   | 1       | 1   | 1   | 1        | -             | 1   | 1   | 1      | 1   |
| METAFOSFATO DI SODIO  |   | SODIUM METAPHOSPHATE                                     |                                     | 3  | 1   | -   | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| METANO (GAS)  |   | METHANE (GAS)  |                                     | X  | X   | 3   | 3       | 3   | 1   | 3        | 2             | 3   | 1   | 1      | 1   |
| METANO CLOROBROMATO   |   | BROMOCHLOROMETHANE                                       |                                     | X  | X   | 3   | 3       | X   | X   | X        | 2             | X   | 1   | X      | 1   |
| METANOLO: VEDI ALCOOL METILICO                                      |   | METHANOL: SEE METHYL ALCOHOL                             |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| METILAMINA ACQUOSA  |   | AQUEOUS METHYLAMINE                                      |                                     | -  | 1   | -   | 1       | 1   | X   | -        | -             | 1   | 1   | 1      | 1   |
| METILETILCHETONE  |   | METHYLETHYLKETONE  |                                     | X  | X   | X   | 1       | X   | X   | X        | X             | X   | X   | 1      | 1   |
| METILGLICOLE  |   | METHYL GLYCOL  |                                     | -  | X   | -   | 2       | 2   | -   | -        | -             | 2   | X   | 1      | 1   |
| METILISOBUTILCHETONE  |   | METHYLISOBUTHYLKETONE                                    |                                     | -  | X   | X   | 3       | X   | X   | 3        | X             | X   | X   | 1      | 1   |
| MONOCLOROBELZOLO  |   | MONOCHLOROBENZOL   |                                     | -  | X   | 3   | X       | X   | X   | 3        | 2             | X   | 2   | X      | 1   |
| MONOSTIRENE: VEDI STIRENE MONOMERO                                  |   | MONOSTYRENE: SEE STYRENE MONOMER                         |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |
| NAFTA (PERTOLIO)  |   | NAPHTA (OIL)   |                                     | X  | X   | 2   | X       | X   | 1   | 2        | 1             | 3   | 1   | X      | 1   |
| NITRATO D'ALLUMINIO ACQUOSO   |   | AQUEOUS ALUMINIUM NITRATE                                |                                     | 2  | 1   | -   | 1       | 1   | 1   | 2        | -             | 1   | -   | 1      | 1   |
| NITRATO D'AMMONIO AQUOSO  |   | AQUEOUS AMMONIUM NITRATE                                 |                                     | 3  | 1   | 1   | 1       | 1   | 1   | 1        | -             | 2   | 1   | 1      | 1   |
| NITRATO DI CALCIO   |   | CALCIUM NITRATE  |                                     | 2  | 1   | 1   | 1       | 1   | 1   | 2        | 1             | 1   | 1   | 1      | 1   |
| NITRATO DI MERCURIO   |   | MERCURY NITRATE  |                                     | -  | 1   | 1   | 1       | 1   | 1   | 1        | -             | -   | -   | 1      | 1   |
| NITRATO DI POTASSIO ACQUOSO   |   | AQUEOUS POTASSIUM NITRATE                                |                                     | 2  | 1   | 1   | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| NITRATO DI RAME   |   | COPPER NITRATE   |                                     | 3  | 1   | 3   | 1       | 1   | 1   | 1        | -             | 1   | 1   | 1      | 1   |
| NITRATO DI SODIO  |   | SODIUM NITRATE   |                                     | 2  | 1   | 1   | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| NITRITO ACRILICO  |   | ACRYLIC NITRATE  |                                     | -  | 2   | X   | 1       | 1   | X   | 2        | X             | 3   | 2   | 1      | 1   |
| NITRITO D'AMMONIO   |   | AMMONIUM NITRATE   |                                     | -  | 1   | -   | 1       | 1   | 1   | 2        | -             | 1   | -   | -      | 1   |
| NITRITO DI PIOMBO   |   | LEAD NITRATE   |                                     | -  | 1   | -   | 1       | 1   | 1   | 2        | 1             | 1   | -   | -      | 1   |
| NITROBENZENE  |   | NITROBENZENE   |                                     | X  | 3   | X   | X       | X   | X   | X        | X             | X   | 2   | X      | 1   |
| NITROPROPANO  |   | NITROPROPANE   |                                     | -  | X   | X   | 2       | X   | X   | X        | -             | X   | X   | -      | 1   |
| NITROTOLUENE  |   | NITROTOLUENE   |                                     | -  | X   | -   | 3       | X   | 3   | -        | 2             | X   | 3   | 1      | 1   |
| NONILALCOOL (NONANOLO)  |   | NONYLALCOHOL (NONANOL)                                   |                                     | -  | X   | X   | 1       | 1   | X   | 2        | -             | 2   | 1   | 1      | 1   |
| OLEINA (OLIO DI SETA): VEDI ACIDO OLEICO                            |   | OLEIN (SILK OIL): SEE OLEIC ACID                         |                                     |    |     |     |         |     |     |          |               |     |     |        | 1   |

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|---|---|-----------------------------|-------------------------------------|-----|-----|-----|------|-----|-----|----------|---------------|-----|-----|--------|-----|
| 1   | Eccelente resistenza / Excellent resistance     | X                           | Nessuna resistenza / No resistance  |     |     |     |      |     |     |          |               |     |     |        |     |
| 2   | Buona resistenza / Good resistance              | -                           | Nessun dato / No data               |     |     |     |      |     |     |          |               |     |     |        |     |
| AGENTE CHIMICO                                |   | CHEMICALS                   |                                     | NR  | SBR | PU  | EPDM | CR  | NBR | SILICONE | FLUORSILICONE | CSM | FFM | UHMWPE | FEP |
| Oli E GRASSI LUBRIFICANTI:                    |   | LUBRICATING OILS AND FATS:  |                                     |     |     |     |      |     |     |          |               |     |     |        | 1   |
| - A BASE DI SILICONE                          | - SILICONE BASE                                 | 2                           | 1                                   | 1   | 1   | 1   | 1    | 1   | 2   | 1        | 1             | 1   | 1   | 1      | 1   |
| - ANIMALI                                     | - ANIMAL  | X                           | X                                   | 1   | 2   | 2   | 1    | 3   | 1   | 1-2      | 1             | 2-3 | 1   |        |     |
| - GASOLIO                                     | - DIESEL  | X                           | X                                   | 2   | X   | 2-3 | 1    | 3   | 1   | 3        | 1             | 2   | 1   |        |     |
| - MAZOUT                                      | - MAZOUT  | -                           | X                                   | 2   | X   | 2   | 1    | 3   | 1   | 3        | 1             | 2   | 1   |        |     |
| - MINERALI SENZA ADDITTIVI A 20°C             | - MINERALS WITHOUT ADDITIVES UP TO 20°C         | X                           | X                                   | 1   | X   | 2-3 | 1    | 2-3 | 1   | 2-3      | 1             | 2   | 1   |        |     |
| - MINERALI FINO A °C                          | - MINERALS UP TO °C                             | X                           | X                                   | 60  | X   | X   | 120  | X   | 180 | 150      | 200           | 30  | 1   |        |     |
| - MINERALI ASTM N°1                           | - ASTM N°1 MINERALS                             | X                           | X                                   | 1   | X   | 1   | 1    | 2   | 1   | 1        | 1             | 2   | 1   |        |     |
| - MINERALI ASTM N°2                           | - ASTM N°2 MINERALS                             | X                           | X                                   | 2   | X   | 2   | 1    | 3   | 1   | 2        | 2             | 3   | 1   |        |     |
| - MINERALI ASTM N°3                           | - ASTM N°3 MINERALS                             | X                           | X                                   | 2   | X   | 2   | 1    | 3   | 1   | 2        | 2             | 3   | 1   |        |     |
| - VEGETALI                                    | - VEGETABLE                                     | X                           | 3                                   | 1   | 3   | 2   | 1    | 3   | 1   | 1-2      | 1             | 2-3 | 1   |        |     |
| - PER TRASFORMATORI (PIRANOLI)                | - FOR TRANSFORMERS (PYRANOLS)                   | -                           | X                                   | 2   | X   | X   | 1    | 2   | 1   | X        | 1             | 3   | 1   |        |     |
| OLI E LIQUIDI IDRAULICI:                      |   | HYDRAULIC OILS AND LIQUIDS: |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| - A BASE DI ESTERE FOSFATICA                  | - PHOSPHATE ESTERS BASE                         | X                           | X                                   | X   | 2   | X   | X    | 2-3 | 2   | X        | 1             | X   | 1   |        |     |
| - A BASE DI OLIO MINERALE                     | - MINERAL OIL BASE                              | X                           | X                                   | 2   | X   | 2   | 1    | 3   | 1   | 1-2      | 1             | 3   | 1   |        |     |
| - A BASE DI GLICOLE                           | - GLYCOL BASE                                   | X                           | X                                   | 1-2 | 1   | 2   | 1    | 2   | -   | 2        | 3             | 1   | 1   |        |     |
| OLI ESSENZIALI                                |   | ESSENTIAL OILS              |                                     | X   | X   | 2   | -    | X   | 2   | X        | -             | 3   | 1   | X      | 1   |
| OLIO BUTILICO                                 | BUTYL OIL                                       | X                           | X                                   | -   | 2   | X   | -    | -   | 2   | X        | 1             | -   | 1   |        |     |
| OLIO DI COCCO                                 | COCONUT OIL                                     | X                           | X                                   | 1   | 1   | 2   | 1    | 1   | 1   | 2        | 1             | X   | 1   |        |     |
| OLIO DI COLZA                                 | COLZA OIL                                       | X                           | X                                   | 2   | 1   | 2   | 2    | X   | 1   | 2        | 1             | -   | 1   |        |     |
| OLIO DI COTONE                                | COTTONSEED OIL                                  | X                           | X                                   | 1   | 1   | 1-2 | 1    | 1-2 | 1   | 1-2      | 1             | 1   | 1   |        |     |
| OLIO DI GRANO                                 | CORN OIL  | X                           | X                                   | 1   | 2   | 2   | 1    | 1   | 1   | 2        | 1             | X   | 1   |        |     |
| OLIO DI LEGNO                                 | WOOD OIL  | X                           | X                                   | 2   | X   | 3   | 2    | 3   | -   | 3        | 1             | 2   | 1   |        |     |
| OLIO DI LINO                                  | LINSEED OIL                                     | X                           | X                                   | 2   | 2   | 2   | 1    | 1   | 1   | 1-2      | 1             | X   | 1   |        |     |
| OLIO DI OLIVA                                 | OLIVE OIL                                       | X                           | X                                   | 1   | 3   | 1   | 1    | 2   | 1   | 1-2      | 1             | 1   | 1   |        |     |
| OLIO DI PALMA                                 | PALM OIL  | X                           | X                                   | 2   | 1   | 2   | 1    | 1   | 1   | 3        | 1             | X   | 1   |        |     |
| OLIO DI PARAFFINA: VEDI PARAFFINA             | PARAFFIN OIL: SEE PARAFFIN                      |                             |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| OLIO DI PINO                                  | PINE OIL  | X                           | X                                   | 1   | X   | X   | 2    | 2   | 1   | X        | 1             | 2-3 | 1   |        |     |
| OLIO DI RICINO                                | CASTOR OIL                                      | -                           | 1                                   | 1   | 2   | 1   | 1    | 1   | 1   | 1        | 1             | 2-3 | 1   |        |     |
| OLIO DI SOIA                                  | SOYBEAN OIL                                     | X                           | X                                   | 2   | 3   | 2   | 1    | 1   | 1   | 2        | 1             | X   | 1   |        |     |
| OLIO DI TREMENTINA: VEDI TREMENTINA           | TURPENTINE OIL : SEE TURPENTINE                 |                             |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| OLIO DI VETRIOLO: VEDI ACIDO SOLFORICO CONC.  | VITRIOL OIL: SEE SULFURIC ACID CONC.            |                             |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| OSSICLORURO DI FOSFORO (CLORURO DI FOSFORILE) | PHOSPHOROUS OSSYCHLORIDE ( PHOSPHORYL CHLORIDE) | -                           | X                                   | -   | 1   | X   | X    | -   | -   | 1        | 1             | 3   | 1   |        |     |
| OSSIDO DI CALCIO                              | CALCIUM OXIDE                                   | -                           | 1                                   | 1   | 1   | 1   | 1    | 2   | 1   | 1        | 1             | 1   | 1   |        |     |
| OSSIDO DI CARBONIO (MONOSSIDO)                | CARBON OXIDE (CARBON MONOXIDE)                  | -                           | 2                                   | 1   | 3   | 2   | 2    | 1   | 2   | 2        | 1             | 1   | 1   |        |     |
| OSSIDO DI ETILENE                             | ETHYLENE OXIDE                                  | -                           | X                                   | X   | 3   | X   | X    | 3-X | -   | X        | X             | X   | 1   |        |     |
| OSSIDO DI ETILENE LIQUIDO                     | LIQUID ETHYLENE OXIDE                           | -                           | X                                   | X   | 3   | X   | X    | X   | -   | X        | X             | X   | 1   |        |     |
| OSSIDO DI PROPILENE                           | PROPYLENE OXIDE                                 | -                           | X                                   | X   | 2   | X   | X    | X   | -   | X        | X             | -   | 1   |        |     |
| OSSIDO NITROSO O AZOTATO (GAS ESILARANTE)     | NITROUS OXIDE GAS OR NITROGENOUS                | 2                           | 1                                   | 1   | 1   | 1   | 1    | 1   | -   | 1        | 1             | 1   | 1   |        |     |
| OSSIGENO FINO A °C                            | OXYGEN UP TO °C                                 | 3                           | X                                   | 80  | 120 | 90  | X    | 175 | 175 | 120      | 200           | 70  | 1   |        |     |
| OTTANO  | OCTANE  | X                           | X                                   | 1   | X   | 3   | 1    | X   | 2   | X        | 1             | 1   | 1   |        |     |
| OTTANOLO: VEDI ALCOOL OTTILICO                | OCTANOL: SEE OCTYL ALCOHOL                      |                             |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| OZONO   | OZONE   | X                           | X                                   | 1   | 1   | 3   | X    | 1   | 1   | 1        | 1             | X   | 1   |        |     |
| PARAFFINA, OLIO DI PARAFFINA                  | PARAFFIN, PARAFFIN OIL                          | X                           | X                                   | 2   | 3   | 2   | 1    | 2   | 1   | 3        | 1             | 3   | 1   |        |     |
| PARAFORMALDEIDE                               | PARAFORMALDEHYDE                                | -                           | 3                                   | 1   | 2   | 2   | 2    | 1   | -   | -        | 2             | 1   | 1   |        |     |
| PENTACLOROFENOLO                              | PENTACHLOROPHENOL                               | -                           | X                                   | X   | 2   | X   | X    | 3   | -   | -        | -             | -   | 1   |        |     |
| PENTANO                                       | PENTANE   | X                           | X                                   | X   | X   | 1   | 1    | X   | -   | -        | -             | X   | 1   |        |     |
| PERBORATO DI SODIO                            | SODIUM PERBORATE                                | 3                           | 1                                   | -   | 1   | 1   | 1    | 1   | 1   | 1        | 1             | 1   | 1   |        |     |
| PERBORATO: VEDI PERBORATO DI SODIO            | PERBORATE: SEE SODIUM PERBORATE                 |                             |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| PERCLOROETILENE (TETRACLORETILENE)            | PERCHLOROETHYLENE (TETRACHLOROETHYLENE)         | X                           | X                                   | X   | X   | X   | 2-3  | 2   | 2   | X        | 1             | X   | 1   |        |     |
| PERIDROLO: VEDI ACQUA OSSIGENATA 30%          | PERHYDROL: SEE HYDROGEN PEROXIDE 30%            |                             |                                     |     |     |     |      |     |     |          |               |     |     | 1      |     |
| PERMANGANATO DI POTASSIO ACQUOSO 10%          | AQUEOUS POTASSIUM PERMANGANATE 10 %             | -                           | 3                                   | 1   | 1   | 3   | 2    | 1   | -   | 1        | 1             | 1   | 1   |        |     |
| PEROSSIDO DI CLORO                            | CHLORO PEROXIDE                                 | -                           | X                                   | X   | 3   | X   | X    | 3   | 2   | 1        | 1             | X   | 1   |        |     |
| PEROSSIDO DI SODIO                            | SODIUM PEROXIDE                                 | 3                           | 2                                   | 3   | 2   | 3   | 2    | X   | 1   | 2        | 2             | -   | 1   |        |     |

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**TABELLA RESISTENZE CHIMICHE / CHEMICAL RESISTANCE DATE**

| LEGENDA / KEY   |  | 3         | Scarsa resistenza / Poor resistance |    |     |    |      |    |     |          |               |     |     |        |     |
|---|--|-----------|-------------------------------------|----|-----|----|------|----|-----|----------|---------------|-----|-----|--------|-----|
| 1   | Eccelente resistenza / Excellent resistance      | X         | Nessuna resistenza / No resistance  |    |     |    |      |    |     |          |               |     |     |        |     |
| 2   | Buona resistenza / Good resistance               | -         | Nessun dato / No data               |    |     |    |      |    |     |          |               |     |     |        |     |
| AGENTE CHIMICO  |  | CHEMICALS |                                     | NR | SBR | PU | EPDM | CR | NBR | SILICONE | FLUORSILICONE | CSM | FPM | UHMWPE | FEP |
| PERSOLFATO D'AMMONIO ACQUOSO                                  | AQUEOUS AMMONIUM PERSULPHATE                     | -         | 1                                   | 2  | 1   | 1  | 1    | 1  | 1   | 1        | -             | 1   | -   | 1      | 1   |
| PETROLIO: VEDI ESSENZE  | OIL: SEE ESSENCES                                |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| PIRANOLO: VEDI OLIO PER TRASFORMATORI                         | PYRANOL: SEE OILS FOR TRANSFORMERS               |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| PIRIDINA  | PYRIDINE   | -         | X                                   | X  | 1   | X  | X    | X  | X   | X        | -             | 3   | 3   | 1      | 1   |
| POTASSIO CAUSTICO: VEDI IDROSSIDO DI POTASSIO                 | CAUSTIC POTASSIUM: SEE POTASSIUM HYDROXIDE       |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| POTASSIO: VEDI CARBONATO DI POTASSIO                          | POTASSIUM: SEE POTASSIUM CARBONATE               |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| PROPANO LIQUIDO (GAS PROPANO)                                 | LIQUID PROPANE ( GAS PROPANE)                    | X         | X                                   | 1  | X   | 2  | 1    | 3  | 2   | 3        | 1             | X   | -   | 1      | 1   |
| PROPANOLO: VEDI ALCOOL PROPILICO                              | PROPANOL: SEE PROPYL ALCOHOL                     |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| PROPILENE   | PROPYLENE  | X         | X                                   | X  | X   | X  | X    | X  | 2   | X        | 1             | -   | -   | 1      | 1   |
| PROPILENE GLICOLE   | GLYCOL PROPYLENE                                 | 2         | 1                                   | -  | 1   | 1  | 3    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| PURINA  | PURINE   | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SALAMOIA (SOLUZIONE DI SALE DA CUCINA)                        | BRINE (KITCHEN SALT SOLUTION)                    | 2         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SALE AMMONIACO: VEDI CLORURO D'AMMONIO                        | AMMONIAC SALT: SEE AMMONIUM CHLORIDE             |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SALE DA CUCINA: VEDI CLORURO DI SODIO                         | KITCHEN SALT: SEE SODIUM CHLORIDE                |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SALE DI GLAUBER: VEDI SOLFATO DI SODIO                        | GLAUBER SALT: SEE SODIUM SULPHATE                |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SANGAGIOLIO: SUCCEDANEO D'ESSENZA DI TREMENTINA: VEDI ESSENZE | SUBSTITUTE3 FOR TURPENTINE ESSENCE: SEE ESSENCES |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SAPONE E SOLUZIONI DI SAPONE                                  | SOAP AND SOAP SOLUTIONS                          | 3         | 1                                   | 2  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SCIROPPO DI AMIDO   | STARCH SYRUP                                     | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SILICATO DI MAGNESIO (TALCO)                                  | MAGNESIUM SILICATE (TALC)                        | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SILICATO DI SODIO ACQUOSO                                     | AQUEOUS SODIUM SILICATE                          | 2         | 1                                   | 3  | 1   | 1  | 1    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SILICE  | SILICA   | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SODIO CALCINATO: VEDI CARBONATO DI SODIO                      | CALCINED SODIUM: SEE SODIUM CARBONATE            |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SODIO CAUSTICO: VEDI IDROSSIDO DI SODIO                       | CAUSTIC SODIUM: SEE SODIUM HYDROXIDE             |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SODIO CRISTALLIZZATO: VEDI CARBONATO DI SODIO                 | CRYSTALLIZED SODIUM: SEE SODIUM CARBONATE        |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SODIO: VEDI BICARBONATO DI SODIO                              | SODIUM: SEE SODIUM BICARBONATE                   |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| SOLFATO (DOPPIO) DI ALLUMINIO E POTASSIO                      | ALUMINIUM AND POTASSIUM SULPHATE (DOUBLE)        | 2         | 1                                   | 1  | 1   | 1  | 2    | 2  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO D'AMMONIO   | AMMONIUM SULPHATE                                | 2         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | 2        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI BARIO  | BARIUM SULPHATE                                  | 2         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI CALCIO ACQUOSO                                     | AQUEOUS CALCIUM SULPHATE                         | 2         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | -        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI RAME ACQUOSO                                       | AQUEOUS COPPER SULPHATE                          | 3         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI FERRO  | IRON SULPHATE                                    | -         | 1                                   | 2  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI MAGNESIO   | MAGNESIUM SULPHATE                               | 2         | 2                                   | 1  | 1   | 1  | 2    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI NICHEL ACQUOSO                                     | AQUEOUS NICKEL SULPHATE                          | 2         | 1                                   | 2  | 1   | 1  | 1    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI PIOMBO   | LEAD SULPHATE                                    | 2         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | -        | -             | 1   | 1   | 1      | 1   |
| SOLFATO DI POTASSIO   | POTASSIUM SULPHATE                               | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI SODIO ACQUOSO                                      | AQUEOUS SODIUM SULPHATE                          | -         | 1                                   | 1  | 2   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFATO DI ZINCO ACQUOSO                                      | AQUEOUS ZINC SULPHATE                            | 2         | 1                                   | 3  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFITO DI MAGNESIO ACQUOSO                                   | AQUEOUS MAGNESIUM SULPHITE                       | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFITO DI POTASSIO   | POTASSIUM SULPHITE                               | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFITO DI SODIO  | SODIUM SULPHITE                                  | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | -   | 1        | 1             | 1   | 1   | 1      | 1   |
| SOLFURO DI CALCIO   | CALCIUM SULPHIDE                                 | 2         | 2                                   | 1  | 1   | 1  | 2    | 2  | -   | 1        | 1             | -   | 1   | 1      | 1   |
| SOLVENTI (DISSOLVENTI): VEDI DESIGNAZIONE                     | SOLVENTS (DISSOLVENTS): SEE DESCRIPTION          |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| STEARATO DI BUTILE  | BUTYL STEARATE                                   | X         | X                                   | 1  | 3   | X  | 2    | 1  | 2   | -        | 1             | X   | X   | 1      | 1   |
| STEARINA: VEDI ACIDO STEARICO                                 | STEARIN: SEE STEARIC ACID                        |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| STIRENE (MONOMERO)  | STYRENE (MONOMER)                                | X         | X                                   | 3  | X   | X  | X    | X  | 3   | X        | 2             | X   | X   | 1      | 1   |
| TALCO (SILICATO DI MAGNESIO)                                  | TALC (MAGNESIUM SILICATE)                        | -         | 1                                   | 1  | 1   | 1  | 1    | 1  | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| TANNINO: VEDI ACIDO TANNICO                                   | TANNIN: SEE TANNIC ACID                          |           |                                     |    |     |    |      |    |     |          |               |     |     |        | 1   |
| TETRACLOROETILENE (PERCLOROETILENE)                           | TETRACHLOROETHYLENE                              | X         | X                                   | 2  | X   | X  | 2    | 2  | -   | X        | 1             | X   | X   | 1      | 1   |
| TETRACLORURO DI CARBONE                                       | COAL TETRACHLORIDE                               | -         | X                                   | 3  | X   | X  | 3    | X  | 1   | X        | 1             | X   | X   | 1      | 1   |
| TETRAIDROFURAN  | TETRAHYDROFURAN                                  | X         | X                                   | -  | X   | X  | 3    | -  | -   | X        | X             | 3   | 1   | 1      | 1   |
| TETRALINA (TETRAIDROPTALENE)                                  | TETRALYNE (TETRAHYDRONAPHTALENE)                 | X         | X                                   | -  | X   | X  | 3    | X  | 1   | X        | 1             | 3   | 1   | 1      | 1   |
| TINTURA DI IODIO (SOLUZIONE ALCOLICA 5-10%)                   | TINCTURE OF IODINE (ALCOHOLIC SOL. 5-10%)        | -         | 2                                   | X  | 2   | X  | 2    | X  | -   | 2        | 1             | 3   | 1   | 1      | 1   |

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|--|--|-----------|-------------------------------------|----|-----|----|---------|-----|-----|----------|---------------|-----|-----|--------|-----|
| 1                                      | Eccellente resistenza / Excellent resistance | X         | Nessuna resistenza / No resistance  |    |     |    |         |     |     |          |               |     |     |        |     |
| 2                                      | Buona resistenza / Good resistance           | -         | Nessun dato / No data               |    |     |    |         |     |     |          |               |     |     |        |     |
| AGENTE CHIMICO                         |  | CHEMICALS |                                     | NR | SBR | PU | EP EPDM | CR  | NBR | SILICONE | FLUORSILICONE | CSM | FFM | UHMWPE | FEP |
| TIOCIANATO D'AMMONIO                   | AMMONIUM THIOCYANATE                         | -         | 1                                   | 2  | 1   | 1  | 1       | 1   | 1   | 1        | -             | -   | -   | 1      | 1   |
| TIOSOLFATO DI SODIO (ANTICLORO)        | SODIUM THIOSULPHATE (ANTICHLORINE)           | -         | 1                                   | 2  | 1   | 1  | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| TOLUENE, TOLUOLO                       | TOLUENE, TOLUOL                              | X         | X                                   | X  | X   | X  | 3       | X   | 2   | X        | 1             | X   | 1   | X      | 1   |
| TREMENTINA (ESSENZA, OLIO)             | TURPENTINE (ESSENCE, OIL)                    | X         | X                                   | X  | X   | X  | 1       | X   | 2   | X        | 1             | 3   | 1   | 1      | 1   |
| TRIBUTILFOSFATO                        | TRIBUTYL PHOSPHATE                           | -         | X                                   | X  | 1   | X  | X       | -   | X   | X        | X             | 1   | 1   | 1      | 1   |
| TRICLOROMETANO (CLOROFORMIO)           | TRICHLOROMETHANE (CHLOROFORM)                | -         | X                                   | X  | X   | X  | X       | X   | 2   | X        | 1             | X   | 1   | 1      | 1   |
| TRICLOROETANO (CLOROETANO)             | TRICHLOROETHANE (CHLOROETHANE)               | X         | X                                   | X  | X   | X  | X       | X   | 2   | X        | 1             | X   | 1   | 1      | 1   |
| TRICLOROETILENE                        | TRICHLOROETHYLENE                            | X         | X                                   | X  | X   | X  | 3       | X   | 2   | X        | 1-2           | X   | 1   | 1      | 1   |
| TRICRESILFOSFATO                       | TRICRESYLPHOSPHATE                           | X         | 1                                   | X  | 1   | 3  | X       | 1   | 2   | X        | 2             | 3   | 1   | 1      | 1   |
| TRITANOLAMINA                          | TRIETHANOLAMINE                              | 3         | 3                                   | X  | 3   | 1  | 2       | 1   | X   | 3        | 1             | 1   | 1   | 1      | 1   |
| TRIETILAMINA                           | TRIETHYLAMINE                                | X         | -                                   | -  | X   | -  | 3       | -   | -   | -        | -             | -   | 1   | 1      | 1   |
| TRINITROFENOLO: VEDI ACIDO PICRICO     | TRINITROPHENOL: SEE PICRIC ACID              |           |                                     |    |     |    |         |     |     |          |               |     |     |        | 1   |
| TRIOCTILFOSFATO                        | TRIOCTYLPHOSPHATE                            | X         | X                                   | -  | X   | X  | 2       | 3   | 2   | X        | X             | 1   | 1   | 1      | 1   |
| TRIOSSIDO DI CROMO: VEDI ACIDO CROMICO | CHROMIUM TRIOXIDE: SEE CHROMIC ACID          |           |                                     |    |     |    |         |     |     |          |               |     |     |        | 1   |
| TRIOSSIDO DI ZOLFO                     | SULPHUR TRIOXIDE                             | X         | 2                                   | 2  | 2   | X  | 3       | 3   | 2   | 2-3      | 1             | 1   | 1   | 1      | 1   |
| URINA                                  | URINE  | -         | 1                                   | 1  | 1   | 1  | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| VAPORE D'ACQUA FINO A °C               | WATER VAPOUR UP TO °C                        | X         | X                                   | X  | 130 | X  | 100     | 120 | 100 | 100      | 150           | X   | 1   | 1      | 1   |
| VASELINA: VEDI Oli GRASSI MINERALI     | VASELINE:SEE OILS AND MINERAL FATS           |           |                                     |    |     |    |         |     |     |          |               |     |     |        | 1   |
| VETRO SOLUBILE: VEDI SILICATO DI SODIO | SOLUBLE GLASS: SEE SODIUM SILICATE           |           |                                     |    |     |    |         |     |     |          |               |     |     |        | 1   |
| XILENE, XILOLO                         | XYLENE, XYLOLO                               | X         | X                                   | X  | X   | X  | 3-X     | X   | 1   | X        | 1-2           | X   | 1   | 1      | 1   |
| XILENOLO                               | XYLENOL                                      | -         | X                                   | X  | X   | X  | 3-X     | X   | 1   | X        | 1-2           | X   | 1   | 1      | 1   |
| ZOLFO FUSO 90°C                        | MOLTEN SULPHUR 90°C                          | -         | X                                   | 2  | X   | X  | X       | 1   | 1   | 1        | 1             | X   | 1   | 1      | 1   |
| ZUCCHERO ACQUOSO                       | AQUEOUS SUGAR                                | 2         | 1                                   | 1  | 1   | 1  | 1       | 1   | 1   | 1        | 1             | 1   | 1   | 1      | 1   |
| ZUCCHERO: VEDI GLUCOSIO                | SUGAR: SEE GLUCOSE                           |           |                                     |    |     |    |         |     |     |          |               |     |     |        |     |

ATTENZIONE! I seguenti dati sono basati su test di laboratorio ad alta attendibilità. La lista deve comunque essere usata unicamente come guida in quanto bisogna sempre considerare, nella scelta della gomma, variabili quali temperatura, concentrazione del fluido, tipologia di solvente e ambiente di lavoro. Per qualsiasi applicazione gravosa contattare TGT.

WARNING! The following informations are based on highly reliability laboratory tests. The list however, should be used only as a guide since we must assume that when choosing the rubber compound, things may vary such as temperature, fluid concentration, type of solvent and working conditions. For heavy duty applications please contact TGT.

|  |   |
|--|---|
| <b>SOLVENTI AROMATICI:</b> benzene, cumene, p-cumene, naftalene, toluene, xylene, cresol, stirene, cicloesano e combinazioni.  | <b>AROMATIC SOLVENTS:</b> benzene, cumene, p-cumene, naphtalene, toluene, xylene, cresol, styrene, cyclohexanol and combinations.   |
| <b>SOLVENTI ALIFATICI:</b> propano, butano, pentano, esano, eptano, dipentene, tripropilene.   | <b>ALIPHATIC SOLVENTS:</b> propane, butane, pentane, hexane, heptane, dipentene, tripropylene.  |
| <b>SOLVENTI ALOGENATI:</b> cloroformio, diclorobenzene, dicloroetilene, bromuro di metilene, cloruro di metilene, cloruro di benzile, tetracloruro di carbonio, tricloroetilene, bisolfito di carbonio, trementina, percloroetilene, dicloroetano. | <b>HALOGENATED SOLVENTS:</b> chloroform, dichlorobenzene, dichloroethylene, methylenbromide, methylenchloride, benzylchloride, carbon tetrachloride, trichloroethylene, carbon bisulphite, turpentine, perchloroethylene, dichloroethane. |
| <b>CHETONI:</b> acetone, metilchetone, isobutilchetone, metiletilchetone, metilisobutilchetone.  | <b>KETONIC SOLVENTS:</b> acetone, methylketone, isobutylketone, methylethylketone, methylisobutylketone.  |
| <b>ESTERI:</b> acetato di butile, acetato di metile, acetato di amile, acetato di isobutile  | <b>ESTERS SOLVENTS:</b> butyl acetate, methyl acetate, amyl acetate, isobutyl acetate.  |
| <b>AMMINE:</b> anilina, etildiammina, dietanolammina, trietanolammin, dimetilammina, monoetanolammina.   | <b>AMINES:</b> aniline, ethylene diamine, diethanol amine, triethanolamine, dimethyl amine, monoethanolamine.   |
| <b>ALCOOLI:</b> metanolo, etanolo, propanolo, butanolo, glicerolo.   | <b>ALCOHOLS:</b> methanol, ethanol, propanol, butanol, glycerol.  |

## ■ ■ PULIZIA E SANIFICAZIONE

### RACCOMANDAZIONI PER LA PULIZIA E LA SANIFICAZIONE DELLE TUBAZIONI INDUSTRIALI IN GOMMA PER IMPIEGO A CONTATTO CON PRODOTTI ALIMENTARI

La qualità di un prodotto alimentare dipende dalla composizione, dalla scelta e dalle condizioni igienico-sanitarie delle materie prime, dalla tecnologia, dagli impianti e dall'ambiente di produzione, dalle condizioni e metodologie di conservazione.

Questa filiera può contenere il "punto debole" che condiziona la sua efficienza e la qualità del prodotto finito. Per questa ragione risulta estremamente importante seguire correttamente ogni fase di produzione ed osservare, oltre il solito buon senso, le **norme e regolamentazioni internazionali** per la garanzia del livello igienico, onde assicurare la fruibilità del prodotto alimentare entro le più ampie garanzie igienico sanitarie.

La sanificazione delle attrezzature, nel nostro caso, delle tubazioni industriali per aspirazione e mandata di prodotti liquidi e solidi alimentari, dal conferimento della materia prima, al trasporto, alla trasformazione ed in fine alla distribuzione sul mercato, risulta pertanto essere una parte fondamentale del corretto impiego dei prodotti della Tubi Gomma Torino. Tuttavia, a causa della grande quantità di variabili tipiche del settore alimentare, (ambiente / prodotti / modalità d'utilizzo / invecchiamento del prodotto / ecc.) non riteniamo opportuno fornire un manuale d'uso ma semplicemente una raccolta di raccomandazioni che l'Utilizzatore finale può decidere di applicare, ridurre o estendere a seconda delle proprie esigenze.

## 🇬🇧 CLEANING AND SANIFICATION

### RECOMMENDATION FOR CLEANING AND SANIFICATION OF FOOD GRADE INDUSTRIAL RUBBER HOSES

The quality of the food products depends on many factors such as composition, choice and hygienic conditions of raw materials; as well as technology, production machines and environment, stocking methods and conditions.


For this reason, it is extremely important to follow correctly each production step, and observe, further to the good sense, the **international norms and specifications** for this sector, in order to assure the usability of the food products in complete hygienic assurance.


The sanification of the tools, in this case, of the industrial rubber hoses for suction and delivery of solid and liquid foodstuffs, starting from the handling of raw material till the distribution of the finished products on the market, is therefore fundamental part of the correct use of Tubi Gomma Torino products.

However, due to the great quantity of variables typical of the foodstuff sector, (the environment, the products, the use, the product ageing, etc) is not deemed opportune supply an handbook, but simply a collection of recommendation, leaving free the end user to decide if, how and when to apply these information.

TAB. 1

| FASE  | PRODOTTO  | CONCENTRAZIONE %                               | TEMPERATURA °C   | TEMPO MAX.   | NOTE   |
|---|---|--|--|--------------|--|
| STEPS   | PRODUCTS  | CONCENTRATION %                                | TEMPERATURE °C   | MINUTES MAX. | COMMENTS   |
| PRE-RISCALDO  | ACQUA POTABILE  | ---  | 20°C   | 10'          | Drenaggio ed eliminazione di residui organici grossolani densi o solidi  |
| PRE-WASH  | DRINKING WATER  | ---  | 20°C   | 10'          | Drainage and eliminazioni of the organic solid wastes  |
| DETERSIONE E SBIANCATURA                              | DETERGENTE LIQUIDO ( TAB 2 )  | 5 ÷ 15% (SECONDO INDICAZIONI DEL PRODUTTORE )  | MAX 100°C  | 15'          | Per il corretto impiego del prodotto, vedere la scheda uso e raccomandazioni del produttore. Tgt indica solamente le temperature ed il tempo da non superare per non danneggiare irreversibilmente la tubazione. |
| CLEANSING AND WHITENING                               | LIQUID DETERGENT ( TAB 2 )  | 5 ÷ 15% (UPON INDICATION OF THE MANUFACTURER ) | MAX 100°C  | 15'          | For the correct use of the products, see the card "use and recommendations" issued by the manufacturer. Tgt indicates only the temperature and the time not to be exceeded.                                      |
| RISCIAQUO INTERMEDIO                                  | ACQUA POTABILE  | ---  | 20°C   | 5'           | Drenaggio fino alla completa eliminazione dei residui organici   |
| INTERMEDIATE RINSE                                    | DRINKING WATER  | ---  | 20°C   | 5'           | Drainage to complete elimination of organic wastes   |
| SANITIZZAZIONE  | DISINFESTANTI A NORMA DI LEGGE IN VIGORE NEL PAESE IN CUI LA TUBAZIONE TGT VIENE UTILIZZATA | 5 ÷ 15% (SECONDO INDICAZIONI DEL PRODUTTORE)   | MAX 100°C  | 30'          | Per il corretto impiego del prodotto, vedere la scheda uso e raccomandazioni del produttore. Tgt indica solamente le temperature ed il tempo da non superare per non danneggiare irreversibilmente la tubazione. |
| SANITIZATION  | PESTICIDES PURSUANT TO APPLICABLE LAW IN THE COUNTRIES WHERE TGT HOSES ARE USED             | 5 ÷ 15% (UPON INDICATION OF THE MANUFACTURER)  | MAX 100°C  | 30'          | For the correct use of the products, see the card "use and recommendations" issued by the manufacturer. Tgt indicates only the temperature and the time not to be exceeded.                                      |
| RISCIAQUO FINALE                                      | ACQUA POTABILE  | ---  | 20°C   | 10'          | Continuare il flussaggio della tubazione fino a completa eliminazione visiva delle schiume dei tensioattivi contenuti nei detersivi e disinfestanti  |
| FINAL RINSE   | DRINKING WATER  | ---  | 20°C   | 10'          | Continue flushing of the hose till the complete elimination of foams generated by surfactants present in detergents and disinfectants  |
| ASCIUGATURA FINALE ED EVENTUALE TRATTAMENTO ANTIMUFFA | STATICO: SGOCCIOLAMENTO DINAMICO: SIFFIAGGIO ARIA SECCA E PULITURA                          | ---  | SECONDO CONVENIENZA, EVITARE FORMAZIONE DI ACQUA DI CONDENSA | 10'          | Procedura raccomandata per evitare che al successivo utilizzo della tubazione siano presenti al suo interno odori sgradevoli e potenziali punti di propagazione di sostanze organiche contaminate ( muffe )      |
| FINAL DRYING AND EVENTUAL ANTI MOLD TREATMENT         | STATIC: DRAINING DYNAMIC: AIR BLOWING DRY & CLEAN   | ---  | ACCORDING TO CONVENIENCE, TO AVOID CONDENSATION              | 10'          | Recommended procedure to avoid that at the next use of the hose , bad smells and tastes will pollute the food.   |

 I dati riportati nella tabella 2, hanno valore indicativo e di raccomandazione per non degradare le proprietà delle tubazioni della Tubi Gomma Torino. Si ribadisce che per un uso più accurato delle procedure di pulizia e sanificazione, bisogna attenersi alle direttive e normative nazionali, regionali e locali che disciplinano l'attività nel settore alimentare.

 The information listed in the tab. 2 here below, are simply recommendations in order to avoid damages to the performances of the Tubi Gomma Torino hoses. We confirm that for a more accurate and precise use of the cleaning and sanitization procedures, it is recommended to attains to the local, regional and national laws ruling the activity in the foodstuff industry.

TAB. 2

| PRODOTTI             | GOMME            | CONCENTRAZIONE | TEMPERATURA   |
|----------------------|------------------|----------------|---------------|
| PRODUCTS             | RUBBER COMPOUNDS | CONCENTRATION  | TEMPERATURE   |
| ACQUA CALDA          | TUTTE            | 0              | FINO 95°C     |
| HOT WATER            | ALL              | 0              | UP TO 95°C    |
| VAPORE               | TUTTE            | 0              | FINO 110°C    |
| STEAM                | ALL              | 0              | UP TO 110°C   |
| SODA CAUSTICA        | TUTTE            | FINO 2%        | FINO 85°C     |
|                      |                  | FINO 5%        | FINO 25°C     |
| CAUSTIC SODA         | ALL              | UP TO 2%       | UP TO 85°C    |
|                      |                  | UP TO 5%       | UP TO 25°C    |
| ACIDO NITRICO        | NO SBR/NR        | FINO 0,1%      | FINO 85°C     |
|                      |                  | FINO 2%        | FINO 25°C     |
| NITRIC ACID          | NO SBR/NR        | UP TO 0,1%     | UP TO 85°C    |
|                      |                  | UP TO 2%       | UP TO 25°C    |
| ACIDO CLOROACETICO   | NO SBR/NR        | FINO 1%        | FINO 25°C     |
| CHLORINE ACETIC ACID | NO SBR/NR        | UP TO 1%       | UP TO 25°C    |
| ACIDO PERACETICO     | NO SBR/NR        | FINO 1,5%      | FINO 25°C     |
| PER ACETIC ACID      | NO SBR/NR        | UP TO 1,5%     | UP TO 25°C    |
| ACIDO FOSFORICO      | NO SBR/NR        | FINO 2%        | FINO 65°C     |
| PHOSPHORIC ACID      | NO SBR/NR        | UP TO 2%       | UP TO 65°C    |
| ALTRO                | DA VERIFICARE    | DA VERIFICARE  | DA VERIFICARE |
| OTHER                | T.B.V.           | T.B.V.         | T.B.V         |

Per eventuali chiarimenti, vi preghiamo voler contattare l'Ufficio Tecnico della **Tubi Gomma Torino**.  
For any questions, please contact the Technical Department of **Tubi Gomma Torino**.



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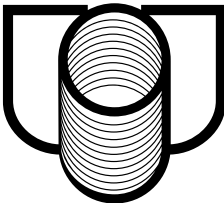


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