

Raj Trading & Mfg. Co.

AN ISO 9001-2008 COMPANY

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INTRODUCTION

Raj Trading & Mfg Co. an ISO 9001:2008 company, was incorporated in 1990 in 190/3A, Nagdevi street, Mumbai. Being specialized in High Pressure Hoses / Ranging from 200 PSI to 24000 PSI. offshore hoses like cementing Hoses, Oil transfer hoses, Bunker hoses Etc. Company has established itself as one of the leading suppliers of dozens of products.

The Company had rapid development by hard work and company is now about to introduce itself as a CONSTRUCTION EARTHMOVING EQUIPMENTS. We offer a wide range of genuine i.e. products / alternate parts.

The target of Raj Trading & Mfg. Co. is those customers in OFF SHORE and ONSHORE RIGS for which the standard sevice of the common items is not sufficient. We seek to distinguish ourselves by providing the most possible flexibility and reliability in customer service. Our global agency network enables clients to benefit from a package tailored to their individual needs and time requirements, the company policies to put continues investment in development, deliver premium quality products and commitment to provide a higher standard of sevice to customers, and ensures accurate delivery of even the most complex orders and we are approaching new clients in Steel industries and Pharmaceutical industries.

If you require any further information kindly feel free to get in touch with us, so that we may do the needful on hearing from you. looking forward to establishing a long lasting relationship with you and assuring our best services at all times.

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(Built-in couplings) High-Pressure Mud Hose/ Rotary Hose/ Vibrator Hose



- **Application:**

Hose is flexible connection between top of standpipe and vertically move swivel on offshore and in-land oil drilling and exploration. Vibrator hose is flexible connection between mud pump manifold and standpipe, for adjustment and isolating vibration.

- **Executive standard:** API Spec 7K / ISO 6807 / GB/T 24145

- **API Monogram No.:** 7K-0458

- **Hose structure:**

Tube: Nitrile rubber based liner sealing layer, oil resistance, seawater resistance, high temperature resistance.

Breaker Layer and external protection layers: High tension textile fabric

Major Reinforcement for withstanding pressure: High Strength Steel Cable

Cover: Neoprene based rubber for anti-flaming, wear resistance, oil resistance, ozone & ageing resistance, UV resistance, which is designed for marine environment.

- **Fire proof requirement:**

Regular supplied hose meets fire proof grade SR6A, which is 704°C x 5min

Fire-Rated Hose supplied as per request with extra fiber glass out layers for fire shield, meet fire proof grade SR6B, which is 704°C x 30 min

- **Embedded electric heat trace cable is available as request for low temperature operating condition.**

- **Different option of external protection layer are available as request or by our recommendation according to individual operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**

- **Working temperature range:** Class II, -25°C to +100°C

- **Flexibility specification level:** FSL2

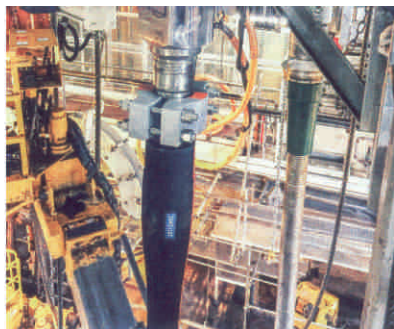
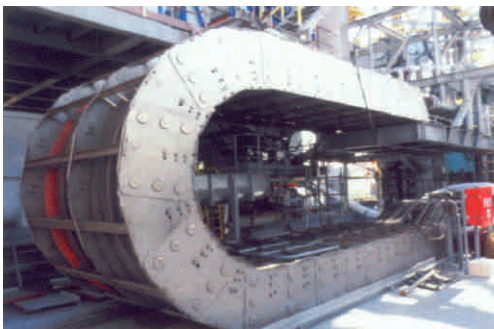
- **Maximum continuous length:** 70m

- **Length tolerance:** Length up to 6.4m, with tolerance + 64 mm; Length longer than 6.4M with tolerance ± 1%

- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Type | API Level | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Test Pressure (bar) | Test Pressure (psi) | Flame Shield | Safety Coefficient | FSL | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|-------------------|-----------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|---------------------|---------------------|--------------|--------------------|------|-------------------|---------------------|---------------|----------------|
| RTMC-A1-51X34.5 | D | 2 | 51 | 3.58 | 91 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 0.8 | 0.9 | 11.24 | 70 |
| RTMC-A2-51X34.5 | D | 2 | 51 | 4.17 | 106 | 345 | 5,000 | 690 | 10,000 | Yes | 2.5 | FSL2 | 0.8 | 0.9 | 15 | 70 |
| RTMC-A3-64X34.5 | D | 2.5 | 64 | 4.06 | 103 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 0.8 | 0.9 | 13 | 70 |
| RTMC-A4-64X34.5 | D | 2.5 | 64 | 4.65 | 118 | 345 | 5,000 | 690 | 10,000 | Yes | 2.5 | FSL2 | 0.8 | 0.9 | 16 | 70 |
| RTMC-A5-76X34.5 | D | 3 | 76 | 4.72 | 120 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.1 | 1.2 | 18 | 70 |
| RTMC-A6-76X34.5 | D | 3 | 76 | 5.28 | 134 | 345 | 5,000 | 690 | 10,000 | Yes | 2.5 | FSL2 | 1.1 | 1.2 | 20 | 70 |
| RTMC-A7-89X34.5 | D | 3.5 | 89 | 5.28 | 134 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.2 | 1.3 | 21 | 70 |
| RTMC-A8-89X34.5 | D | 3.5 | 89 | 5.75 | 146 | 345 | 5,000 | 690 | 10,000 | Yes | 2.5 | FSL2 | 1.2 | 1.3 | 25 | 70 |
| RTMC-A9-102x34.5 | D | 4 | 102 | 6.3 | 160 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.2 | 1.4 | 35 | 70 |
| RTMC-A10-102x34.5 | D | 4 | 102 | 6.8 | 173 | 345 | 5,000 | 690 | 10,000 | Yes | 2.5 | FSL2 | 1.2 | 1.4 | 38 | 70 |
| RTMC-A11-127x34.5 | D | 5 | 127 | 7.52 | 191 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.4 | 1.5 | 51 | 70 |
| RTMC-A12-127x34.5 | D | 5 | 127 | 8.07 | 205 | 345 | 5,000 | 690 | 10,000 | Yes | 2.5 | FSL2 | 1.4 | 1.5 | 56 | 70 |
| RTMC-A13152x34.5 | D | 6 | 152 | 8.82 | 224 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.6 | 1.8 | 57 | 70 |
| RTMC-A14-51X51.7 | E | 2 | 51 | 4.06 | 103 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.1 | 1.2 | 19 | 70 |
| RTMC-A15-64X51.7 | E | 2.5 | 64 | 4.88 | 124 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.1 | 1.2 | 28 | 70 |
| RTMC-A16-64X51.7 | E | 2.5 | 64 | 5.35 | 136 | 517 | 7,500 | 1034 | 15,000 | Yes | 2.5 | FSL2 | 1.1 | 1.2 | 31 | 70 |
| RTMC-A17-76X51.7 | E | 3 | 76 | 5.43 | 138 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.2 | 1.3 | 31 | 70 |
| RTMC-A18-76X51.7 | E | 3 | 76 | 5.98 | 152 | 517 | 7,500 | 1034 | 15,000 | Yes | 2.5 | FSL2 | 1.2 | 1.3 | 35 | 70 |
| RTMC-A19-89X51.7 | E | 3.5 | 89 | 5.94 | 151 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.3 | 1.4 | 38 | 70 |
| RTMC-A20-89X51.7 | E | 3.5 | 89 | 6.57 | 167 | 517 | 7,500 | 1034 | 15,000 | Yes | 2.5 | FSL2 | 1.3 | 1.4 | 42 | 70 |
| RTMC-A21-102X51.7 | E | 4 | 102 | 6.61 | 168 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.4 | 1.5 | 44 | 70 |
| RTMC-A22-102X51.7 | E | 4 | 102 | 7.17 | 182 | 517 | 7,500 | 1034 | 15,000 | Yes | 2.5 | FSL2 | 1.4 | 1.5 | 50 | 70 |
| RTMC-A23-127x51.7 | E | 5 | 127 | 8.03 | 204 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.5 | 1.6 | 64 | 70 |
| RTMC-A24-127x51.7 | E | 5 | 127 | 8.58 | 218 | 517 | 7,500 | 1034 | 15,000 | Yes | 2.5 | FSL2 | 1.5 | 1.6 | 69 | 70 |
| RTMC-A25-152x51.7 | E | 6 | 152 | 9.76 | 248 | 517 | 7,500 | 1034 | 15,000 | No | 2.5 | FSL2 | 1.6 | 1.8 | 92 | 70 |



(Built-in couplings) High-Pressure Cement Hose



- **Application:**

- It is used in well cementation system of offshore and land drilling rig, flexible connection between cementing pump and top drive for delivery of high-pressure cement.

- **Standard:** API Spec 7K/ ISO 6807 / GB/T 24145

- **API Monogram No.:** 7K-0458

- **Hose structure:**

Tube: CR rubber based liner sealing layer, abrasive resistance, alky-acid resistance, high temperature resistance.

Breaker Layers and external protection layers: High tension textile fabric

Major Reinforcement for withstanding pressure: High strength steel cable

Cover: Neoprene based cover rubber, anti-flaming, wear resistance, oil resistance, ozone & ageing resistance, UV resistance, which is applicable for marine environment.

- **Fire proof grade:**

Regular supplied hoses meet fire proof grade SR6A, 704°C × 5min

Fire-rated hoses supplied as per request with extra fiberglass out layers for fire shield, meet fire proof grade SR6B, 704°C × 30min

- **Embedded electric heat trace cable is available as request for low temperature operating condition.**

- **Different option of external protection layer are available as request or by our recommendation according to specific operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**

- **Working temperature range:** class II, -25°C to +100°C

- **Flexibility specification level:** FSL0

- **Maximum continuous length:** 70m

- **Length tolerance:** Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance ± 1%

- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Test Pressure (bar) | Test Pressure (psi) | Flame Shield | Safety Coefficient | FSL | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|--------------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|---------------------|---------------------|--------------|--------------------|------|-------------------|---------------------|---------------|----------------|
| RTMC-B1-51X69 | 2 | 51 | 4.06 | 103 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSL0 | 1.1 | 1.2 | 19 | 70 |
| RTMC-B2-51X69 | 2 | 51 | 4.69 | 119 | 690 | 10,000 | 1034 | 15,000 | Yes | 2.25 | FSL0 | 1.1 | 1.2 | 22.7 | 70 |
| RTMC-B3-64X69 | 2.5 | 64 | 4.94 | 125.5 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSL0 | 1.2 | 1.3 | 29 | 70 |
| RTMC-B4-64X69 | 2.5 | 64 | 5.57 | 141.5 | 690 | 10,000 | 1,034 | 15,000 | Yes | 2.25 | FSL0 | 1.2 | 1.3 | 33 | 70 |
| RTMC-B5-76X69 | 3 | 76 | 5.98 | 152 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSL0 | 1.3 | 1.4 | 45 | 70 |
| RTMC-B6-76X69 | 3 | 76 | 6.5 | 165 | 690 | 10,000 | 1,034 | 15,000 | Yes | 2.25 | FSL0 | 1.3 | 1.4 | 48.5 | 70 |
| RTMC-B7-102x69 | 4 | 102 | 6.42 | 163 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSL0 | 1.4 | 1.5 | 41 | 70 |
| RTMC-B8-102X69 | 4 | 102 | 6.93 | 176 | 690 | 10,000 | 1,034 | 15,000 | Yes | 2.25 | FSL0 | 1.4 | 1.5 | 44 | 70 |
| RTMC-B9-51X103.4 | 2 | 51 | 4.57 | 116 | 1,034 | 15,000 | 1,552 | 22,500 | No | 2.25 | FSL0 | 1.3 | 1.4 | 27 | 70 |
| RTMC-B10-51X103.4 | 2 | 51 | 5.08 | 129 | 1,034 | 15,000 | 1,552 | 22,500 | Yes | 2.25 | FSL0 | 1.3 | 1.4 | 30 | 70 |
| RTMC-B11-64X103.4 | 2.5 | 64 | 5.91 | 150 | 1,034 | 15,000 | 1,552 | 22,500 | No | 2.25 | FSL0 | 1.4 | 1.5 | 48 | 70 |
| RTMC-B12-64X103.4 | 2.5 | 64 | 6.42 | 163 | 1,034 | 15,000 | 1,552 | 22,500 | Yes | 2.25 | FSL0 | 1.4 | 1.5 | 51 | 70 |
| RTMC-B13-76X 103.4 | 3 | 76 | 6.61 | 168 | 1,034 | 15,000 | 1,552 | 22,500 | No | 2.25 | FSL0 | 1.5 | 1.6 | 59 | 70 |
| RTMC-B14-76X103.4 | 3 | 76 | 7.13 | 181 | 1,034 | 15,000 | 1,552 | 22,500 | Yes | 2.25 | FSL0 | 1.5 | 1.6 | 62 | 70 |



(Swaged couplings) High-Pressure Mud Hose/ Rotary Drilling Hose/ Vibrator Hose/ Cement Hose



- **Application:**

Hose is flexible connection between top of standpipe and vertically moving swivel on offshore and in-land oil drilling and exploration. Vibrator hose is flexible connection between mud pump manifold and standpipe, for adjustment and isolating vibration.

Cement hose is flexible connection between cementing pump and top drive on offshore and land drilling rig for delivery of high-pressure cement

- **Standard:** API Spec 7K/ ISO 6807/ GB/T 24145

- **API monogram No.:** 7K-0458

- **Hose structure:**

Tube: Nitrile rubber based liner sealing layer, oil resistance, acid & alkali resistance, high temperature resistance and ageing resistance

Breaker Layer and external protection layers: High tension textile fabric

Major Reinforcement for withstanding pressure: High Strength Steel Cable

Cover: Neoprene based rubber for anti-flaming, wear resistance, oil resistance, ozone & ageing resistance, UV resistance, which is designed for marine environment.

- **Fire proof grade:**

Regular supplied hose meets fire proof grade SR6A, which is 704°C × 5min

Fire-Rated Hose supplied as per request with extra fire proof out layers meet fire proof grade SR6B, which is 704°C × 30min

- Embedded electric heat trace cable is available as request for low temperature operating condition.
- Different option of external protection layer are available as request or by our recommendation according to individual operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.
- Working temperature range: class II, -25°C to +100°C
- Flexibility specification level: FSL2
- Maximum continuous length: 70m
- Length tolerance: Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance ± 1%
- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Test Pressure (bar) | Test Pressure (psi) | Flame Shield | Safety Coefficient | FSL | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|--------------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|---------------------|---------------------|--------------|--------------------|------|-------------------|---------------------|---------------|----------------|
| RTMC-C1-51x34.5 | 2 | 51 | 3.43 | 87 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 0.8 | 0.9 | 10.2 | 70 |
| RTMC-C2-64x34.5 | 2.5 | 64 | 4.02 | 102 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 0.8 | 0.9 | 13.6 | 70 |
| RTMC-C3-76x34.5 | 3 | 76 | 4.49 | 114 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.1 | 1.2 | 15.4 | 70 |
| RTMC-C4-89x34.5 | 3.5 | 89 | 5.16 | 131 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.2 | 1.3 | 20 | 70 |
| RTMC-C5-102x34.5 | 4 | 102 | 5.71 | 145 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.2 | 1.4 | 22.4 | 70 |
| RTMC-C6-127x34.5 | 5 | 127 | 7.52 | 191 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.4 | 1.5 | 47.8 | 70 |
| RTMC-C7-152x34.5 | 6 | 152 | 8.5 | 216 | 345 | 5,000 | 690 | 10,000 | No | 2.5 | FSL2 | 1.6 | 1.8 | 58 | 70 |
| RTMC-C8-51x5 1.7 | 2 | 51 | 3.9 | 99 | 517 | 7,500 | 1,034 | 15,000 | No | 2.5 | FSL2 | 1.1 | 1.2 | 18.2 | 70 |
| RTMC-C9-64x51.7 | 2.5 | 64 | 4.74 | 120.5 | 517 | 7,500 | 1,034 | 15,000 | No | 2.5 | FSL2 | 1.1 | 1.2 | 26.4 | 70 |
| RTMC-C10-76x51.7 | 3 | 76 | 5.28 | 134 | 517 | 7,500 | 1,034 | 15,000 | No | 2.5 | FSL2 | 1.2 | 1.3 | 30.2 | 70 |
| RTMC-C11-89x51.7 | 3.5 | 89 | 5.79 | 147 | 517 | 7,500 | 1,034 | 15,000 | No | 2.5 | FSL2 | 1.2 | 1.3 | 36.4 | 70 |
| RTMC-C12-102x5 1.7 | 4 | 102 | 6.3 | 160 | 517 | 7,500 | 1,034 | 15,000 | No | 2.5 | FSL2 | 1.3 | 1.4 | 40.4 | 70 |
| RTMC-C13-127x51.7 | 5 | 127 | 7.32 | 186 | 517 | 7,500 | 1,034 | 15,000 | No | 2.5 | FSL2 | 1.4 | 1.5 | 48.2 | 70 |
| RTMC-C14-51x69 | 2 | 51 | 3.9 | 99 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSLO | 1.1 | 1.2 | 18.2 | 70 |
| RTMC-C15-64x69 | 2.5 | 64 | 4.74 | 120.5 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSLO | 1.2 | 1.3 | 26.4 | 70 |
| RTMC-C16-76x69 | 3 | 76 | 5.28 | 134 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSLO | 1.3 | 1.4 | 30.2 | 70 |
| RTMC-C17-89x69 | 3.5 | 89 | 5.79 | 147 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSLO | 1.3 | 1.4 | 36.4 | 70 |
| RTMC-C18-102x69 | 4 | 102 | 6.3 | 160 | 690 | 10,000 | 1,034 | 15,000 | No | 2.25 | FSLO | 1.3 | 1.4 | 40.4 | 70 |



Fire-Rated Tensioner Hose



- **Application:**

Used for transmission of fire resistance hydraulic oil, and used with riser tensioner on deepwater semi-submersible drilling platform to compensate the drift stroke of the drill pipe.

- **Standard:** API Spec 7K/ API Spec 17K/ GB/T31065

- **API monogram No.:** 7K-0458/ 17K-0008

- **Hose structure:**

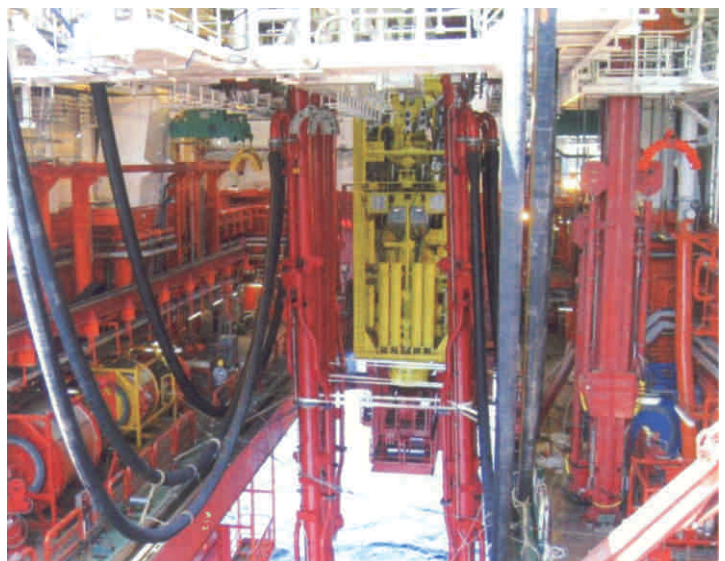
Tube: stainless steel carcass + NBR or HNBR rubber based liner sealing layer, oil resistance, corrosion resistance, high temperature resistance, gas permeation resistance (HNBR)

Breaker layers and external protection layers: High tension textile fabric layers

Major Reinforcement for withstanding pressure: High strength steel cable

Fire proof layers: fiber glass layers underneath cover rubber.

Cover: Neoprene rubber based cover, fire-proof, wear resistance, oil resistance, ozone/ageing resistance, UV resistance, which is applicable for challenging marine environment.



- **Fire resistance according to standard API Spec 16C, at 704°C ×30min**

- **Different option of external protection layer are available as request, or by our recommendation according to specific operation condition, for example stainless steel outer wrap armor, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**

- **Working temperature:** class I, -25°C to +82°C

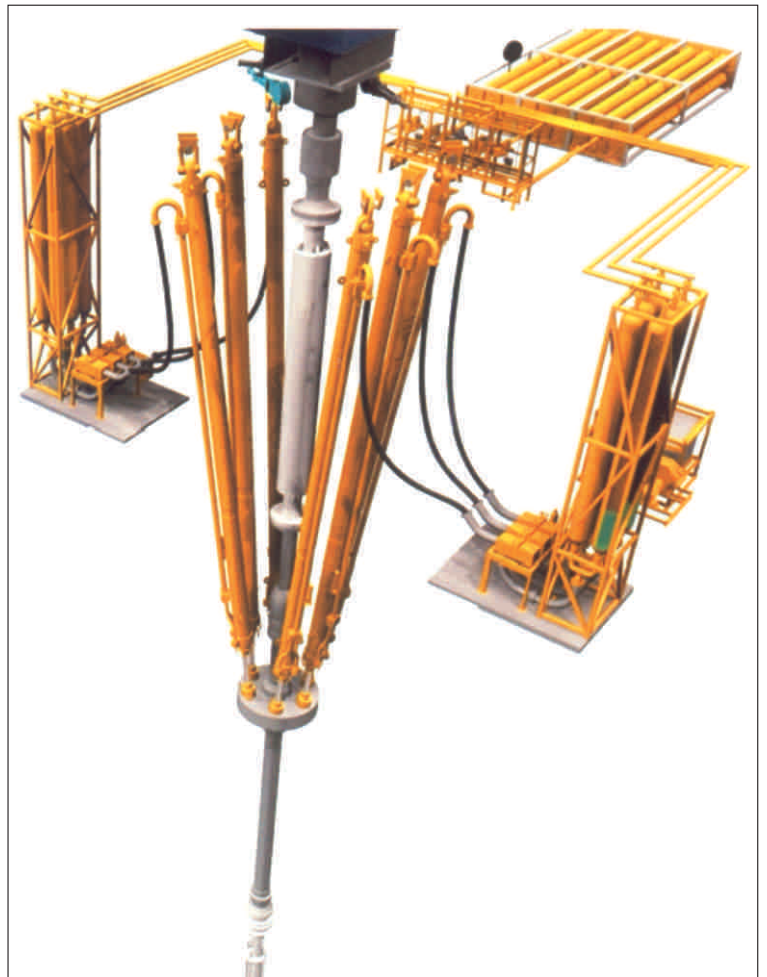
- **Flexibility specification level:** FSL1

- **Maximum length:** 60m

- **Length tolerance:** 6.4m ± 64 mm and below, ± 1% of hose with a length of greater than 6.4m

- **Measuring basis of minimum bending radius is the center line of each hose**

| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|----------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|-------------------|---------------------|---------------|----------------|
| RTMC-D1-102x21 | 4 | 102 | 7.64 | 194 | 207 | 3000 | 414 | 6,000 | 2.5 | 1.4 | 1.6 | 57.6 | 70 |
| RTMC-D2-152x21 | 6 | 152 | 8.94 | 227 | 207 | 3000 | 414 | 6,000 | 2.5 | 1.6 | 1.8 | 82 | 70 |
| RTMC-D3-203x21 | 8 | 203 | 11.81 | 300 | 207 | 3000 | 414 | 6,000 | 2.5 | 2 | 2.2 | 100 | 55 |



(Built-in Couplings) Unbalanced Drilling Hose



- **Application:**

- Used for delivery of high pressure drilling fluid mixed with gas while unbalanced drilling technology applied, such as drilling fluid mixed with nitrogen, air, mixed gas from air and nitrogen, natural gas. Gas mixed is for foaming and lightening fluid weight

- **Standard:** API Spec 7K

- **API monogram No.:** 7K-0458

- **Hose structure:**

Inner tube: Polymer engineering plastic

Inner rubber layer: HNBR based inner rubber layer, oil resistance, corrosion resistance, high temperature resistance, gas permeation resistance

Breaker layers and external protection layers: High tension textile fabric

Major Reinforcement for withstanding pressure: high strength steel cable

Cover: Neoprene rubber based cover, fire-proof, wear resistance, oil resistance, ozone/ageing resistance, UV resistance, which is applicable for challenging marine environment.

- **Fire proof grade:**

General hose meets the requirements on general fire protection grade SR6A, 704° C (1300° F) × 5min

The hose can be coated with a fireproofing anti-flaming layer (fiberglass fire protection layer), it meets the requirements on high fire protection grade SR6B, 704° C (1300° F) × 30min

- **Embedded electric heat trace cable is available as request for low temperature operating condition.**

- **Different option of external protection layer are available as request or by our recommendation according to specific operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**

- **Working temperature range:** class II, -25°C to +100 °C

- **Flexibility specification level:** FSL3

- **Maximum length:** 70m

- **Length tolerance:** Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance ± 1 %

- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) (psi) | | Burst Pressure (bar) (psi) | | Safety Coefficient | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|-------------------|--------------------------|------------------------|-----------------------|---------------------|------------------------------|-------|----------------------------|---------|--------------------|-------------------|---------------------|---------------|----------------|
| RTMC-E1-51X34.5 | 2 | 51 | 4.17 | 106 | 345 | 5,000 | 690 | 10,000 | 2.5 | 0.8 | 0.9 | 10 | 70 |
| RTMC-E2-64X34.5 | 2.5 | 64 | 4.6 | 118 | 345 | 5,000 | 690 | 10,000 | 2.5 | 0.9 | 1 | 16 | 70 |
| RTMC-E3-64X51.7 | 2.5 | 64 | 5.35 | 136 | 517 | 7,500 | 1,034 | 15,000 | 2.5 | 1 | 1.2 | 23 | 70 |
| RTMC-E4-76x34.5 | 3 | 76 | 5.28 | 134 | 345 | 5,000 | 690 | 10,000 | 2.5 | 1 | 1.2 | 18 | 70 |
| RTMC-E5-76X51.7 | 3 | 76 | 5.98 | 152 | 517 | 7,500 | 1,034 | 1 5,000 | 2.5 | 1.1 | 1.3 | 32 | 70 |
| RTMC-E6-89X34.5 | 3.5 | 89 | 5.75 | 138 | 345 | 5,000 | 690 | 10,000 | 2.5 | 1.2 | 1.4 | 22 | 70 |
| RTMC-E7-89x51.7 | 3.5 | 89 | 6.57 | 167 | 517 | 7,500 | 1,034 | 1 5,000 | 2.5 | 1.3 | 1.5 | 37 | 70 |
| RTMC-E8-102x34.5 | 4 | 102 | 6.8 | 173 | 345 | 5,000 | 690 | 10,000 | 2.5 | 1.3 | 1.5 | 35 | 70 |
| RTMC-E9-102x51.7 | 4 | 102 | 7.08 | 168 | 517 | 7,500 | 1,034 | 15,000 | 2.5 | 1.4 | 1.6 | 41 | 70 |
| RTMC-E10-127x34.5 | 5 | 127 | 8.11 | 206 | 345 | 5,000 | 690 | 10,000 | 2.5 | 1.5 | 1.6 | 54 | 70 |
| RTMC-E11-127x51.7 | 5 | 127 | 8.66 | 220 | 517 | 7,500 | 1,034 | 1 5,000 | 2.5 | 1.5 | 1.7 | 68 | 70 |



Flexible Choke & Kill Hose



- **Application:**

API 16C Choke and kill line is an importance part in choke and kill system, which is integral part of surface and subsea blowout prevention equipment. 1. This hose allows to pump fluid to the well when normal circulation through the drill string cant be employed; 2. Additionally the choke line and manifold provide a means of applying back pressure on the formation while circulating out formation fluid influx into the well bore following a kick; 3. Sour service

- **Standard:** API Spec 16C

- **Hose structure :**

Internal tube: Particular polymer engineering plastic as inner sealing tube

Internal rubber liner: HNBR based inner sealing elastomer, which is good for fluid with H S, oil resistance, corrosion resistance, high temperature resistance, gas permeation resistance

Breaker layer and external protection layer: high tension textile fabric

Reinforcement for major pressure withstand: high strength steel cable

Fire shield layer: glass fiber cloth

Cover: Neoprene rubber based cover layers, fire resistance, wear resistance, oil resistance, ozone & ageing resistance, UV resistance which is applicable for critical marine environment

- **Hose passed verification test specified in Clause B12 of API 16C**

- **Heat trace cable can be assembled by functional requirement**

- **Different option of external protection layer are available as request or by our recommendation according to operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**

- **Metal connectors:** meet NACE MR0175 / ISO 15156

- **Working temperature range:** class II, -25°C to +100 °C

- **Flexibility specification level:** FSL3

- **Maximum length:** 70m

- **Length tolerance:** Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance $\pm 1\%$

- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Specification | Internal Diameter | | Outer Diameter | | Flame Shield | Armored | Working Pressure | | Test Pressure | | Safety Coefficient | FSL | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|----------------------|-------------------|------|----------------|------|--------------|---------|------------------|--------|---------------|--------|--------------------|------|-------------------|---------------------|---------------|----------------|
| | (inch) | (mm) | (inch) | (mm) | | | (bar) | (psi) | (bar) | (psi) | | | | | | |
| RTMC-F1-51x34.5 | 2 | 51 | 5.12 | 130 | Yes | No | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 0.8 | 0.9 | 27.5 | 70 |
| RTMC-F2-51X34.5+SS | 2 | 51 | 5.47 | 139 | Yes | Yes | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 0.9 | 1 | 31.8 | 70 |
| RTMC-F3-51x69 | 2 | 51 | 5.31 | 135 | Yes | No | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 0.9 | 1 | 30.2 | 70 |
| RTMC-F4-51X69+SS | 2 | 51 | 5.67 | 144 | Yes | Yes | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 0.9 | 1 | 34 | 70 |
| RTMC-F5-51X103.4 | 2 | 51 | 5.87 | 149 | Yes | No | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.2 | 1.3 | 44.8 | 70 |
| RTMC-F6-51X103.4+SS | 2 | 51 | 6.38 | 162 | Yes | Yes | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.2 | 1.3 | 51.6 | 70 |
| RTMC-F7-76X34.5 | 3 | 76 | 6.06 | 154 | Yes | No | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.1 | 1.2 | 38 | 70 |
| RTMC-F8-76X34.5+SS | 3 | 76 | 6.5 | 165 | Yes | Yes | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.2 | 1.3 | 42.6 | 70 |
| RTMC-F9-76X69 | 3 | 76 | 6.3 | 160 | Yes | No | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.4 | 1.5 | 39.6 | 70 |
| RTMC-F10-76X69+SS | 3 | 76 | 6.77 | 172 | Yes | Yes | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.4 | 1.5 | 46.5 | 70 |
| RTMC-F11-76X103.4 | 3 | 76 | 7.6 | 182 | Yes | No | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.5 | 1.7 | 59.7 | 70 |
| RTMC-F12-76X103.4+SS | 3 | 76 | 7.68 | 195 | Yes | Yes | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.5 | 1.7 | 68.3 | 70 |
| RTMC-F13-102x34.5 | 4 | 102 | 9.13 | 232 | Yes | No | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.4 | 1.5 | 96 | 70 |
| RTMC-F14-102X34.5+SS | 4 | 102 | 9.56 | 243 | Yes | Yes | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.4 | 1.5 | 107 | 70 |
| RTMC-F15-102x69 | 4 | 102 | 9.25 | 235 | Yes | No | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.5 | 1.6 | 97.3 | 70 |
| RTMC-F16-102X69+SS | 4 | 102 | 9.64 | 245 | Yes | Yes | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.5 | 1.6 | 108.6 | 70 |
| | | | | | | | | | | | | | | | | |

Flexible Choke & Kill Hose



- **Application:**

API 16C Choke and kill line is an importance part in choke and kill system, which is an integral part of surface and subsea blowout prevention equipment. 1. This hose allows to pump fluid to the well when normal circulation through the drill string cant be employed; 2. Additionally the choke line and manifold provide a means of applying back pressure on the formation while circulating out formation fluid influx into the well bore following a kick; 3. Sour service

- **Standard:** API Spec 16C

- **Hose structure :**

Inner carcass: stainless steel carcass

Internal tube: Particular polymer engineering plastic as inner sealing tube

Internal rubber liner: HNBR based inner sealing elastomer, which is good for fluid with H₂S, oil resistance, corrosion resistance, high temperature resistance, gas permeation resistance

Breaker layer and external protection layer: high tension textile fabric

Reinforcement for major pressure withstand: high strength steel cable

Fire shield layer: glass fiber cloth

Cover: Neoprene rubber based cover layers, fire resistance, wear resistance, oil resistance, ozone & ageing resistance, UV resistance which is applicable for critical marine environment

- **Hose passed verification test specified in Clause B12 of API 16C**

- **Heat trace cable can be assembled by functional requirement**

- **Different option of external protection layer are available as request or by our recommendation according to operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**

- **Metal connectors:** meet NACE MR0175 / ISO 15156

- **Working temperature range:** Class III, -25°C to +121 °C

- **Flexibility specification level:** FSL3

- **Maximum length:** 70m

- **Length tolerance:** Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance ± 1%

- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Flame Shield | Armored | Working Pressure (bar) | Working Pressure (psi) | Test Pressure (bar) | Test Pressure (psi) | Safety Coefficient | FSL | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|----------------------|--------------------------|------------------------|-----------------------|---------------------|--------------|---------|------------------------|------------------------|---------------------|---------------------|--------------------|------|-------------------|---------------------|---------------|----------------|
| RTMC-G1-SZ-51X34.5 | 2 | 51 | 5.98 | 152 | Yes | No | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 0.9 | 1 | 40 | 70 |
| RTMC-G2-51X34.5+SS | 2 | 51 | 6.46 | 164 | Yes | Yes | 345 | 5,000 | 517 | 7,500 | 2-25 | FSL3 | 0.9 | 1 | 46.8 | 70 |
| RTMC-G3-51x69 | 2 | 51 | 6.14 | 156 | Yes | No | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.2 | 1.3 | 44.6 | 70 |
| RTMC-G4-51X69+SS | 2 | 51 | 6.61 | 168 | Yes | Yes | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.2 | 1.3 | 49.7 | 70 |
| RTMC-G5-51X103.4 | 2 | 51 | 7.32 | 186 | Yes | No | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.3 | 1.4 | 74 | 70 |
| RTMC-G6-51X103.4+SS | 2 | 51 | 7.8 | 198 | Yes | Yes | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.3 | 1.4 | 82 | 70 |
| RTMC-G7-76X34.5 | 3 | 76 | 7.01 | 178 | Yes | No | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.1 | 1.2 | 50 | 70 |
| RTMC-G8-76x34.5+SS | 3 | 76 | 7.44 | 189 | Yes | Yes | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.1 | 1.2 | 58.5 | 70 |
| RTMC-G9-76X69 | 3 | 76 | 7.24 | 184 | Yes | No | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.4 | 1.5 | 54.6 | 70 |
| RTMC-G10-76X69+SS | 3 | 76 | 7.68 | 195 | Yes | Yes | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.4 | 1.5 | 61.2 | 70 |
| RTMC-G11-76X103.4 | 3 | 76 | 8.46 | 215 | Yes | No | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.6 | 1.7 | 93.3 | 70 |
| RTMC-G12-76X103.4+SS | 3 | 76 | 8.86 | 225 | Yes | Yes | 1,034 | 15,000 | 1,552 | 22,500 | 2.25 | FSL3 | 1.6 | 1.7 | 101 | 70 |
| RTMC-G13-102x34.5 | 4 | 102 | 8.98 | 228 | Yes | No | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.5 | 1.6 | 93.5 | 70 |
| RTMC-G14-102X34.5+SS | 4 | 102 | 9.41 | 239 | Yes | Yes | 345 | 5,000 | 517 | 7,500 | 2.25 | FSL3 | 1.5 | 1.6 | 103 | 70 |
| RTMC-G15-102x69 | 4 | 102 | 9.13 | 232 | Yes | No | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.6 | 1.7 | 97 | 70 |
| RTMC-G16-102X69+SS | 4 | 102 | 9.57 | 243 | Yes | Yes | 690 | 10,000 | 1,034 | 15,000 | 2.25 | FSL3 | 1.6 | 1.7 | 105.5 | 70 |

Flow Line Hose (Inner Wall Armored For Gas Service)



- **Application:**

For transfer or injection of low sulphur fluid, sour fluid, fluid included with aromatic content; gas transfer; flow line.

- **Standard:** API Spec 17K/ISO 13628-10

- **API monogram No.:** 17K-0008

- **Hose structure:**

Inner carcass: stainless steel carcass

Internal tube: Particular polymer engineering plastic as inner sealing tube

Internal rubber liner: HNBR based inner sealing elastomer, which is good for fluid with H₂S, oil resistance, corrosion resistance, high temperature resistance, gas permeation resistance

Breaker layer and external protection layer: high tension textile fabric

Reinforcement for major pressure withstand: high strength steel cable

Fire shield layer: glass fiber cloth

Cover: Neoprene rubber based cover layers, fire resistance, wear resistance, oil resistance, ozone & ageing resistance, UV resistance which is applicable for critical marine environment

- **Fire resistance meet API Spec 16C, at 704°C ×30min**

- **External protection layer of hose can be equipped with stainless steel armor, stainless steel wire and polyethylene spiral sleeve, etc. according to customer requirement**

- **Working temperature range:** class II, -25°C to +100 °C

- **Max. aromatic content 30%**

- **Max. content of H₂S, up to 3000ppm while temperature at 60°C, Max.1000ppm while temperature at 100°C**

- **Maximum length:** 70m

- **Length tolerance:** Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance ± 1 %

- **Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**



| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Test Pressure (bar) | Test Pressure (psi) | Flame Shield | Safety Coefficient | MBR (Storage) (m) | MBR (Operation) (m) | Weight (kg/m) | Length Max (m) |
|-------------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|---------------------|---------------------|--------------|--------------------|-------------------|---------------------|---------------|----------------|
| RTMC-H1-51X21 | 2 | 51 | 3.3 | 128 | 207 | 3,000 | 310.5 | 4,500 | YES | 2.25 | 0.9 | 1 | 28 | 80 |
| RTMC-H2-51X34.5 | 2 | 51 | 3.5 | 136 | 345 | 5,000 | 517.5 | 7,500 | YES | 2.25 | 1 | 1.1 | 32 | 80 |
| RTMC-H3-76X21 | 3 | 76 | 3.9 | 153 | 207 | 3,000 | 310.5 | 4,500 | YES | 2-25 | 1.1 | 1.3 | 32 | 80 |
| RTMC-H4-76X34.5 | 3 | 76 | 4.1 | 163 | 345 | 5,000 | 517.5 | 7,500 | YES | 2.25 | 1.2 | 1.4 | 41 | 80 |
| RTMC-H5-102x21 | 4 | 102 | 5 | 198 | 207 | 3,000 | 310.5 | 4,500 | YES | 2.25 | 1.3 | 1.5 | 66 | 80 |
| RTMC-H6-102x34.5 | 4 | 102 | 5.4 | 212 | 345 | 5,000 | 517.5 | 7,500 | YES | 2.25 | 1.4 | 1.6 | 71 | 80 |
| RTMC-H7-127x21 | 5 | 127 | 5.7 | 223 | 207 | 3,000 | 310.5 | 4,500 | YES | 2.25 | 1.5 | 1.7 | 80 | 80 |
| RTMC-H8-127x34.5 | 5 | 127 | 6 | 237 | 345 | 5,000 | 517.5 | 7,500 | YES | 2.25 | 1.6 | 1.8 | 90 | 80 |
| RTMC-H9-152x21 | 6 | 152 | 6.3 | 249 | 207 | 3,000 | 310.5 | 4,500 | YES | 2.25 | 1.75 | 2 | 95 | 80 |
| RTMC-H10-152x34.5 | 6 | 152 | 6.7 | 265 | 345 | 5,000 | 517.5 | 7,500 | YES | 2.25 | 1.85 | 2.1 | 106 | 80 |
| RTMC-H11-203X21 | 8 | 203 | 8 | 315 | 207 | 3,000 | 310.5 | 4,500 | YES | 2.25 | 2.2 | 2.4 | 118 | 80 |
| RTMC-H12-203X34.5 | 8 | 203 | 8.2 | 322 | 345 | 5,000 | 517.5 | 7,500 | YES | 2.25 | 2.3 | 2.5 | 126 | 80 |



Jetting Hose



- **Application:**

- After Jackup Rig finishes well drilling, pile shoes should be pulled out for moving the pile leg, mud around pile shoe should be flushed off by using high-pressure seawater so as to facilitate pile pulling. Jetting hose is high-pressure flexible connection between main deck of platform and seawater pipe line among pile legs.

- **Hose structure :**

Inner rubber: synthetic rubber mainly consisting of nitrile rubber which is oil resistant, seawater resistant, high temperature resistant and ageing resistant

Reinforced layer: high-intensity steel wire

Outer rubber: synthetic rubber mainly consisting of chloroprene rubber which is anti-flaming, wear resistant, oil resistant, ozone ageing resistant and ultraviolet light and applicable to marine environment

- **Temperature range:** -30°C to +100°C



| Specification | Internal Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (m) | Weight (kg/m) | Length Max (m) |
|---------------|--------------------------|---------------------|------------------------|----------------------|--------------------|---------|---------------|----------------|
| RTMC-I1 | 2 | 51 | 140 | 2000 | 4 | 900 | 7 | 70 |
| RTMC-I2 | 2-1/2 | 64 | 140 | 2000 | 4 | 900 | 9.5 | 70 |
| RTMC-I3 | 3 | 76 | 140 | 2000 | 4 | 1200 | 15.5 | 70 |
| RTMC-I4 | 3-1/2 | 89 | 140 | 2000 | 4 | 1400 | 15.8 | 70 |
| RTMC-I5 | 4 | 102 | 140 | 2000 | 4 | 1400 | 16 | 70 |
| RTMC-I6 | 5 | 127 | 140 | 2000 | 4 | 1450 | 28.5 | 70 |
| RTMC-I7 | 6 | 152 | 140 | 2000 | 4 | 1500 | 35.5 | 70 |

Jetting Hose



- Application:**

After Jackup Rig finishes well drilling, pile shoes should be pulled out for moving the pile leg, mud around pile shoe should be flushed off by using high-pressure seawater so as to facilitate pile pulling. Jetting hose is high-pressure flexible connection between main deck of platform and seawater pipe line among pile legs.

- Hose structure :**

Tube: nitrile rubber based liner, oil resistance, seawater resistance, high temperature resistance and ageing resistance.

Reinforcement: high tension steel cable

Cover: Neoprene rubber based cover, fire-proof, wear resistance, oil resistance, ozone & ageing resistance, UV resistance, which is applicable to marine environment



- Temperature range:** -30°C to +100°C

| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (m) | Weight (kg/m) | Length Max (m) |
|---------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|---------|---------------|----------------|
| RTMC-IA8 | 2 | 51 | 3.39 | 86 | 210 | 3,000 | 840 | 12,000 | 4 | 900 | 10.4 | 70 |
| RTMC-IA9 | 2-1/2 | 64 | 3.94 | 100 | 210 | 3,000 | 840 | 12,000 | 4 | 900 | 12.4 | 70 |
| RTMC-IA10 | 3 | 76 | 4.37 | 111 | 210 | 3,000 | 840 | 12,000 | 4 | 1,200 | 15.1 | 70 |
| RTMC-IA11 | 3-1/2 | 89 | 5 | 127 | 210 | 3,000 | 840 | 12,000 | 4 | 1,400 | 19.2 | 70 |
| RTMC-IA12 | 4 | 102 | 5.47 | 139 | 210 | 3,000 | 840 | 12,000 | 4 | 1,400 | 21.4 | 70 |
| RTMC-IA13 | 5 | 127 | 7.36 | 187 | 210 | 3,000 | 840 | 12,000 | 4 | 1,500 | 41.5 | 70 |
| RTMC-IA14 | 6 | 152 | 8.5 | 216 | 210 | 3,000 | 840 | 12,000 | 4 | 1,600 | 58 | 70 |

Hydro Decoking Hose



- Application:**

Delayed coking unit is an advanced processing unit in oil refinery industry, Delayed coking process is an important technology for deep processing of heavy oil and residual oil. Hydro decoking hose play an important role in delayed coking unit by delivering high pressure water to coke block cutting equipment in coke tower.



- Standard: HG/T-4788/API Spec 7K

- Hose structure:**

Tube: Nitrile rubber based liner, wear resistance, acid & alkali resistance, high-temperature resistance and ageing resistance

Break layers and external protection layers: High tension textile fabric

Major Reinforcement for withstanding pressure: High strength steel cable

Cover layer: Neoprene rubber based liner elastomer, fire-proof, wear resistance, oil resistance, ozone & ageing resistance, UV resistance, which is applicable for marine environment

- Electric heat trace cable available by functional requirement**
- Different option of external protection layer are available as request or by our recommendation according to specific operation condition, for example stainless steel armor outer wrap, embedded stainless steel wire in cover, or polyethylene spiral guard, etc.**
- Working temperature range:** class II, -25 °C to +100 °C or (-13 F to 212 F)
- Maximum continuous length:** 70m
- Length tolerance:** Length up to 6.4m, with tolerance ± 64 mm; Length longer than 6.4M with tolerance $\pm 1\%$
- Measurement basis of Minimum Bending Radius (MBR) is center line of each hose**

| Specification | Internal Dia | | Outer Dia | | Working Pressur | | Test Pressure | | Safety Coefficien | To bear weight (N) | Weight | | MBR (m) | Length Max (m) |
|----------------|--------------|----------------|-----------|----------------|-----------------|-------|---------------|-------|-------------------|--------------------|-------------|-----------------|---------|----------------|
| | (inch) | Dia-meter (mm) | (inch) | Dia-meter (mm) | (bar) | (psi) | (bar) | (psi) | | | Hose (kg/m) | Coupling (kg/m) | | |
| RTMC-J1-76 I | 3 | 76 | 5.0 | 128 | 350 | 5,000 | 530 | 7,500 | 2.25 | 19,600 | 22.5 | 30 | 1.2 | 61 |
| RTMC-J2-76 II | 3 | 76 | 4.65 | 118 | 350 | 5,000 | 530 | 7,500 | 2.25 | -- | 16.9 | 20 | 1 | 61 |
| RTMC-J3-89 I | 3.5 | 89 | 5.67 | 144 | 350 | 5,000 | 530 | 7,500 | 2.25 | 19,600 | 29 | 40 | 1.4 | 61 |
| RTMC-J4-89 II | 3.5 | 89 | 5.4 | 138 | 350 | 5,000 | 530 | 7,500 | 2.25 | -- | 23.4 | 22 | 1.2 | 61 |
| RTMC-J5-102 I | 4 | 102 | 6.3 | 160 | 350 | 5,000 | 530 | 7,500 | 2.25 | 19,600 | 37 | 62 | 1.6 | 61 |
| RTMC-J6-102 II | 4 | 102 | 5.5 | 138 | 350 | 5,000 | 530 | 7,500 | 2.25 | -- | 21.5 | 24 | 1.3 | 61 |

High-Pressure Rubber Hose



BOP Hydraulic Hose



- Application:**

BOP hose is mainly used for hydraulic control of BOP. Operating pressure is 5000 PSI. It can be directly exposed to flame for more than 5min at the temperature of 704°C, to ensure control system can be operated under emergencies.

- Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

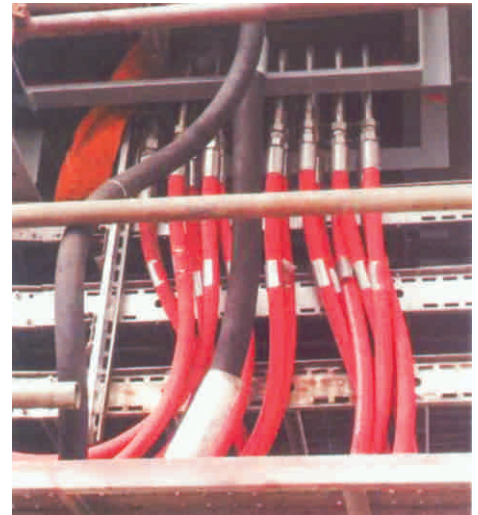
Reinforcement: high tension steel wire

Fire shield layer: glass fiber cloth

Cover: red, chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistance, oil resistance

- Temperature range:** -40°C to + 121°C

- Fire resistance meet API 16D, 704°C × 5min**



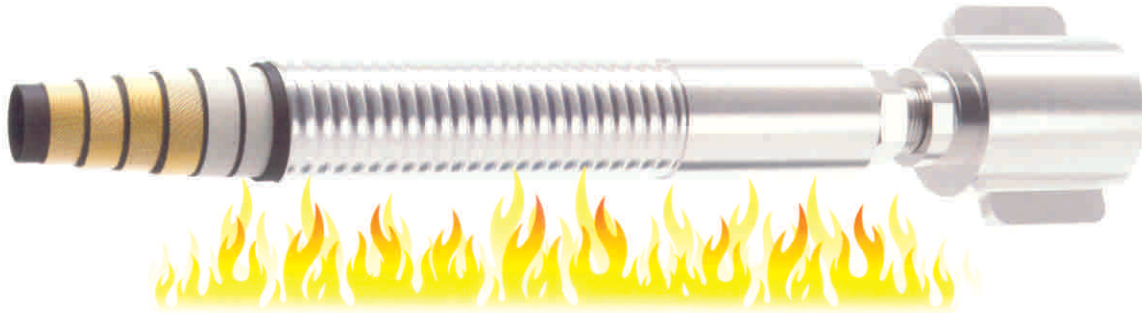
| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | Length Max (m) |
|---------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|----------------|
| RTMC-JA7 | 3/8 | 10 | 1.06 | 27 | 345 | 5,000 | 1,380 | 20,000 | 4 | 152 | 1.3 | 100 |
| RTMC-JA8 | 1/2 | 12.5 | 1.22 | 31 | 345 | 5,000 | 1,380 | 20,000 | 4 | 229 | 1.5 | 100 |
| RTMC-JA9 | 3/4 | 19 | 1.54 | 39 | 345 | 5,000 | 1,380 | 20,000 | 4 | 305 | 2 | 100 |
| RTMC-JA10 | 1 | 25 | 1.81 | 46 | 345 | 5,000 | 1,380 | 20,000 | 4 | 381 | 3.1 | 100 |
| RTMC-JA11 | 1-1/4 | 32 | 2.28 | 58 | 345 | 5,000 | 1,380 | 20,000 | 4 | 457 | 4.9 | 60 |
| RTMC-JA12 | 1-1/2 | 38 | 2.56 | 65 | 345 | 5,000 | 1,380 | 20,000 | 4 | 559 | 5.8 | 60 |
| RTMC-JA13 | 2 | 51 | 3.15 | 80 | 345 | 5,000 | 1,380 | 20,000 | 4 | 686 | 8.4 | 40 |



Hydraulic Hose Series

BOP Hydraulic Hose (Armoured)

Type : RTMC-K



- Application:**

BOP hose is mainly used for hydraulic control of BOP. Operating pressure is 3000PSI. It can be directly exposed to flame for more than 5 min at the temperature of 704 °C ,to ensure control system can be operated under emergencies.

- Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension steel wire

Fire shield layer: glass fiber cloth

Cover: black, chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistance, oil resistance

Outer armour: stainless steel strip wound

- Temperature range:** -40°C to + 121°C

- Fire resistance meet API 16D, 704°C × 5min**



| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (m) | Weight (kg/m) | Length Max (m) |
|---------------|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|---------|---------------|----------------|
| RTMC-K1 | 3/8 | 10 | 1.1 | 28 | 207 | 3,000 | 828 | 12,000 | 4 | 152 | 1.2 | 100 |
| RTMC-K2 | 1/2 | 12.5 | 1.22 | 31 | 207 | 3,000 | 828 | 12,000 | 4 | 229 | 1.5 | 100 |
| RTMC-K3 | 3/4 | 19 | 1.58 | 40 | 207 | 3,000 | 828 | 12,000 | 4 | 305 | 2 | 100 |
| RTMC-K4 | 1 | 25 | 1.83 | 46.5 | 207 | 3,000 | 828 | 12,000 | 4 | 381 | 3.5 | 100 |
| RTMC-K5 | 1-1/4 | 32 | 2.17 | 55 | 207 | 3,000 | 828 | 12,000 | 4 | 457 | 4.7 | 60 |
| RTMC-K6 | 1-1/2 | 38 | 2.4 | 61 | 207 | 3,000 | 828 | 12,000 | 4 | 559 | 5.7 | 60 |
| RTMC-K7 | 2 | 51 | 2.95 | 75 | 207 | 3,000 | 828 | 12,000 | 4 | 686 | 7.6 | 40 |

BOP Hydraulic Hose (Armoured)



- **Application:**

BOP hose is mainly used for hydraulic control of BOP. Operating pressure is 5000PSI. It can be directly exposed to flame for more than 5min at the temperature of 704°C, to ensure control system can be operated under emergencies.

- **Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension steel wire

Fire shield layer: glass fiber cloth

Cover: black, chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistance, oil resistance

Outer armour: stainless steel strip wound

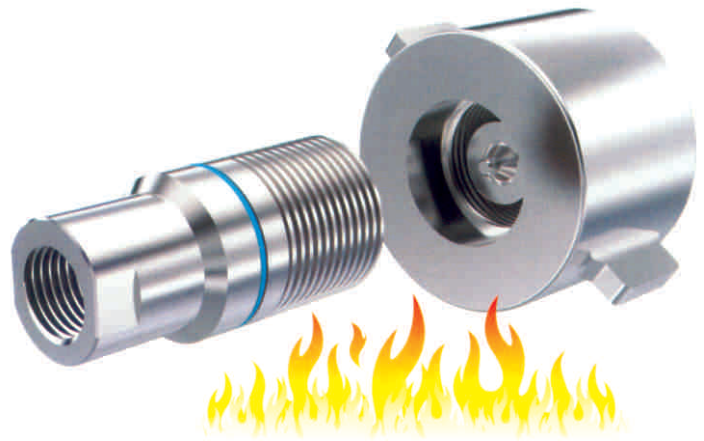
- **Temperature range:** -40°C to + 121°C

- **Fire resistance meet API 16D, 704°C × 5min**



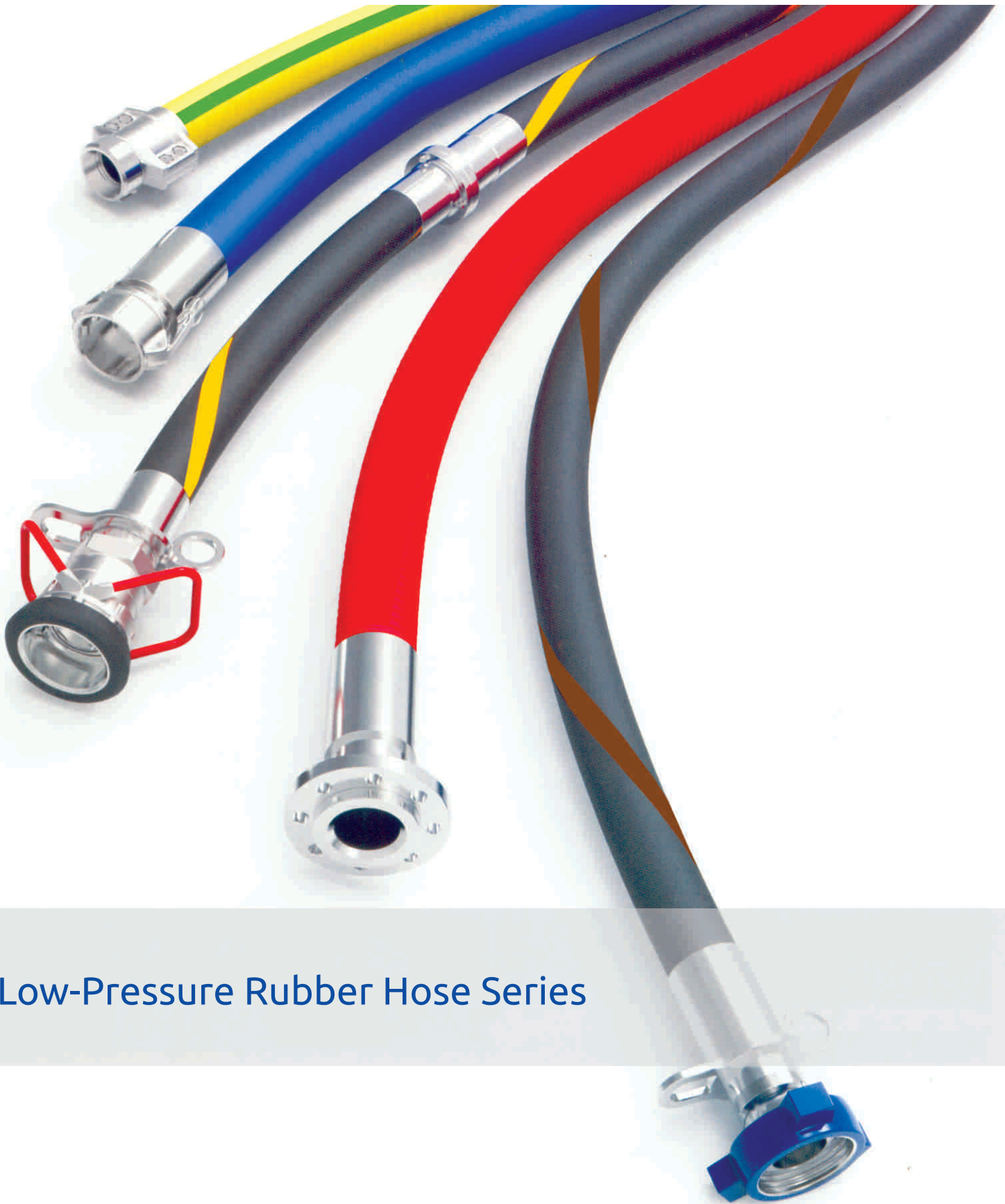
| Specification | Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) (psi) | | Burst Pressure (bar) (psi) | | Safety Coefficient | MBR (m) | Weight (kg/m) | Length Max (m) |
|---------------|--------------------------|------------------------|-----------------------|---------------------|------------------------------|-------|----------------------------|--------|--------------------|---------|---------------|----------------|
| RTMC-KA8 | 3/8 | 10 | 1.1 | 28 | 345 | 5,000 | 1,380 | 20,000 | 4 | 152 | 1.6 | 100 |
| RTMC-KA9 | 1/2 | 12.5 | 1.22 | 31 | 345 | 5,000 | 1,380 | 20,000 | 4 | 229 | 2 | 100 |
| RTMC-KA10 | 3/4 | 19 | 1.58 | 40 | 345 | 5,000 | 1,380 | 20,000 | 4 | 305 | 2.6 | 100 |
| RTMC-KA11 | 1 | 25 | 1.83 | 46.5 | 345 | 5,000 | 1,380 | 20,000 | 4 | 381 | 3.7 | 100 |
| RTMC-KA12 | 1-1/4 | 32 | 2.28 | 58 | 345 | 5,000 | 1,380 | 20,000 | 4 | 457 | 6 | 60 |
| RTMC-KA13 | 1-1/2 | 38 | 2.56 | 65 | 345 | 5,000 | 1,380 | 20,000 | 4 | 559 | 7.1 | 60 |
| RTMC-KA14 | 2 | 51 | 3.15 | 80 | 345 | 5,000 | 1,380 | 20,000 | 4 | 686 | 10 | 40 |

Quick Coupling of BOP Hose



- **Application:** Hydraulic control for blowout preventer stacks
- **Material:** stainless steel 316. (Carbon steel or other materials can be provided as request)
- **End connection:** NPT thread
- **Temperature range:** -40°C to +121°C
- **Fire resistance meet API 16D, 704°C × 5min**

| Coupling Size | Materials | Working Pressure (psi) | Ends Connect |
|---------------|-------------------------|------------------------|--------------|
| 1/2" | 316 Stainless Steel 316 | 5,000 | 1/2" NPT |
| 3/4" | 316 Stainless Steel 316 | 5,000 | 3/4" NPT |
| 1" | 316 Stainless Steel 316 | 5,000 | 1" NPT |
| 1-1/4" | 316 Stainless Steel 316 | 3,000 | 1-1/4" NPT |
| 1-1/2" | 316 Stainless Steel 316 | 3,000 | 1-1/2" NPT |
| 2" | 316 Stainless Steel 316 | 3,000 | 2" NPT |
| 1/2" | Galvanized Carbon Steel | 5,000 | 1/2" NPT |
| 3/4" | Galvanized Carbon Steel | 5,000 | 3/4" NPT |
| 1" | Galvanized Carbon Steel | 5,000 | 1" NPT |
| 1-1/4" | Galvanized Carbon Steel | 5,000 | 1-1/4" NPT |
| 1-1/2" | Galvanized Carbon Steel | 5,000 | 1-1/2" NPT |
| 2" | Galvanized Carbon Steel | 5,000 | 2" NPT |



Low-Pressure Rubber Hose Series

Fire-rated Seawater Hose



- **Application:**

Mainly used for seawater delivery in fire fighting system on offshore platform, also can be used for delivery of gasoline, diesel oil, fuel oil with aromatic content up to 50%, mud, air and for other general purposes. It can be directly exposed to flame for more than 30min at the temperature of 800°C, which enable operators to rescue and escape under emergencies.

- **Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high strength steel tyre cord, anti-static copper wire, helix steel wire for hose size up from 6" and above

Fire shilelayer: glass fiber cloth

Cover: red chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistant, oil resistance

- **Temperature range:** -30°C to + 100°C

- **Fore resistance meet ISO 15540 & ISO 15541, at 800°C x 30min**



| Internal (inch) | Dia- meter (mm) | Outer (inch) | Dia- meter (mm) | Working Pressure (bar) | (psi) | Burst Pressure (bar) | (psi) | Safety Coefficien | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------|-----------------------|-----------------|-----------------------|------------------------------|-------|----------------------------|-------|----------------------|-------------|------------------|------------------|
| 2 | 51 | 3.15 | 80 | 20 | 300 | 100 | 1,500 | 5 | 310 | 4.5 | 70 |
| 2-1/2 | 64 | 3.58 | 91 | 20 | 300 | 100 | 1,500 | 5 | 350 | 6 | 70 |
| 3 | 76 | 4.13 | 105 | 20 | 300 | 100 | 1,500 | 5 | 500 | 6.3 | 70 |
| 3-1/2 | 89 | 4.57 | 116 | 20 | 300 | 100 | 1,500 | 4 | 550 | 7 | 70 |
| 4 | 102 | 5.28 | 134 | 20 | 300 | 100 | 1,500 | 5 | 600 | 9.3 | 70 |
| 5 | 127 | 6.14 | 160 | 20 | 300 | 100 | 1,500 | 5 | 1100 | 12.8 | 70 |
| 6 | 152 | 7.6 | 193 | 20 | 300 | 100 | 1,500 | 5 | 1300 | 17.5 | 70 |
| 8 | 203 | 9.8 | 249 | 20 | 300 | 100 | 1,500 | 5 | 1500 | 27.3 | 70 |

Oil Delivery Hose



- Application:**

For delivery gasoline, diesel oil, fuel oil with aromatic content up to 50%, also applicable for seawater, fresh water, mud, air and other general purposes.

- Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension textile fabric, anti-static copper wire

Cover: black, blended chloroprene rubber and butadiene rubber, wear resistance, ozone & ageing resistance, oil resistance, heat resistance



- Temperature range:** -30°C to + 100°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|
| 3/4 | 19 | 1.22 | 31 | 10 | 150 | 40 | 600 | 4 | 110 | 0.7 | 100 |
| 1 | 25 | 1.54 | 39 | 10 | 150 | 40 | 600 | 4 | 150 | 1 | 100 |
| 1-1/4 | 32 | 1.85 | 46 | 10 | 150 | 40 | 600 | 4 | 200 | 1.3 | 100 |
| 1-1/2 | 38 | 2.09 | 53 | 10 | 150 | 40 | 600 | 4 | 250 | 1.4 | 100 |
| 2 | 51 | 2.64 | 67 | 10 | 150 | 40 | 600 | 4 | 350 | 1.8 | 100 |
| 2-1/2 | 64 | 3.11 | 79 | 10 | 150 | 40 | 600 | 4 | 420 | 2.2 | 100 |
| 3 | 76 | 3.62 | 92 | 10 | 150 | 40 | 600 | 4 | 500 | 2.5 | 100 |
| 4 | 102 | 4.69 | 119 | 10 | 150 | 40 | 600 | 4 | 650 | 3.6 | 100 |
| 5 | 127 | 5.75 | 146 | 10 | 150 | 40 | 600 | 4 | 800 | 5.7 | 100 |
| 6 | 152 | 6.77 | 172 | 10 | 150 | 40 | 600 | 4 | 950 | 7.1 | 100 |
| 8 | 203 | 9.02 | 229 | 10 | 150 | 40 | 600 | 4 | 1400 | 11.3 | 100 |

Oil Delivery Hose



- **Application:**

For delivery gasoline, diesel oil, fuel oil with aromatic content up to 50%, also applicable for seawater, fresh water, mud, air and other general purposes.

- **Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension textile fabric, anti-static copper wire

Cover: black, blended chloroprene rubber and butadiene rubber, wear resistance, ozone & ageing resistance, oil resistance, heat resistance



- **Temperature range:** -30°C to + 100°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure | | Burst Pressure | | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------|-------|----------------|-------|--------------------|----------|---------------|---------------|
| | | | | (bar) | (psi) | (bar) | (psi) | | | | |
| 3/4 | 19 | 1.22 | 33 | 40 | 600 | 160 | 2400 | 4 | 110 | 0.8 | 100 |
| 1 | 25 | 1.54 | 43 | 40 | 600 | 160 | 2400 | 4 | 150 | 1.2 | 100 |
| 1-1/4 | 32 | 1.85 | 50 | 40 | 600 | 160 | 2400 | 4 | 200 | 1.4 | 100 |
| 1-1/2 | 38 | 2.09 | 57 | 40 | 600 | 160 | 2400 | 4 | 250 | 1.8 | 100 |
| 2 | 51 | 2.64 | 72 | 40 | 600 | 160 | 2400 | 4 | 350 | 2.4 | 100 |
| 2-1/2 | 64 | 3.11 | 85 | 40 | 600 | 160 | 2400 | 4 | 420 | 3.0 | 100 |
| 3 | 76 | 3.62 | 98 | 40 | 600 | 160 | 2400 | 4 | 500 | 3.5 | 100 |

Bulk Material Handling Hose (soft wall)



- Application:**

For delivery and suction of barite, dry powder, cement and other abrasives.

- Hose structure:**

Tube: black, SBR/NR blended rubber elastomer, wear resistance, acid & alkali resistance

Reinforcement: high tension tensile fabric

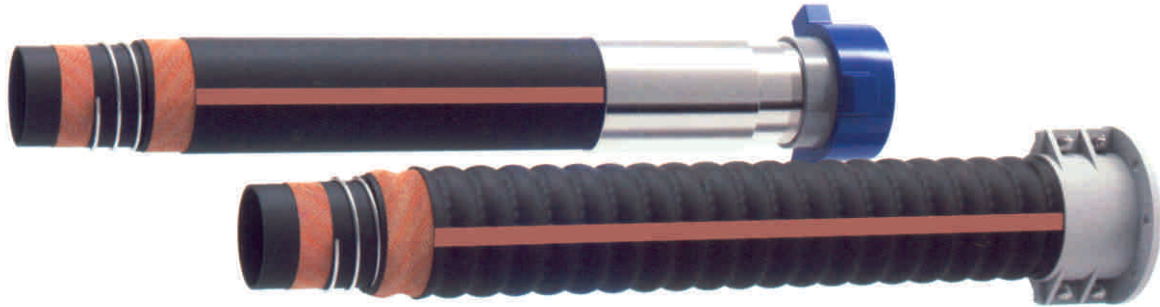
Cover: black, blended polyisoprene rubber and butadiene rubber, wear resistance, ozone resistance, weather/ageing resistance

- Temperature range:** -30°C to + 100°C



| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|
| 3/4 | 19 | 1.38 | 35 | 10 | 150 | 40 | 600 | 4 | 60 | 0.8 | 80 |
| 1 | 25 | 1.61 | 41 | 10 | 150 | 40 | 600 | 4 | 75 | 1.2 | 80 |
| 1-1/4 | 32 | 1.89 | 48 | 10 | 150 | 40 | 600 | 4 | 110 | 1.4 | 80 |
| 1-1/2 | 38 | 2.13 | 54 | 10 | 150 | 40 | 600 | 4 | 120 | 1.6 | 80 |
| 2 | 51 | 2.72 | 69 | 10 | 150 | 40 | 600 | 4 | 350 | 2.2 | 80 |
| 3 | 76 | 3.7 | 94 | 10 | 150 | 40 | 600 | 4 | 500 | 3.1 | 80 |
| 4 | 102 | 4.8 | 122 | 10 | 150 | 40 | 600 | 4 | 650 | 4.5 | 80 |
| 5 | 127 | 5.83 | 148 | 10 | 150 | 40 | 600 | 4 | 800 | 5.8 | 80 |
| 6 | 152 | 6.85 | 174 | 10 | 150 | 40 | 600 | 4 | 950 | 7.3 | 80 |
| 8 | 203 | 9.09 | 232 | 10 | 150 | 40 | 600 | 4 | 1400 | 12.1 | 80 |

Oil Suction & Delivery Hose



- Application:**

For suction & discharge gasoline, diesel oil, fuel oil with aromatic content up to 50%, also applicable for seawater, fresh water, mud, air and other general purposes.

- Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension textile fabric, helix steel wire and anti-static copper wire

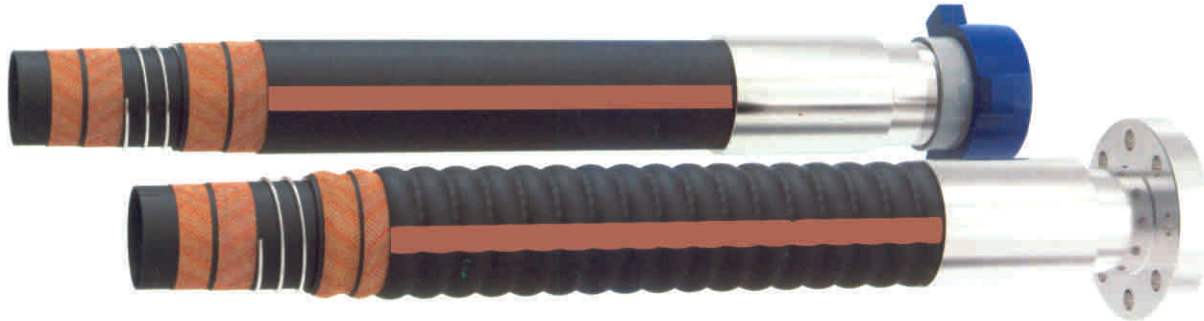
Cover: black, blended chloroprene rubber and butadiene rubber, wear resistance, ozone & ageing resistance, oil resistance, heat resistance



- Temperature range:** -30°C to + 100°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|-------------------------|
| 3/4 | 19 | 1.22 | 31 | 10 | 150 | 40 | 600 | 4 | 85 | 0.7 | 100 | -90 |
| 1 | 25 | 1.46 | 37 | 10 | 150 | 40 | 600 | 4 | 100 | 1.1 | 100 | -90 |
| 1-1/4 | 32 | 1.77 | 47 | 10 | 150 | 40 | 600 | 4 | 130 | 1.3 | 100 | -90 |
| 1-1/2 | 38 | 2.00 | 53 | 10 | 150 | 40 | 600 | 4 | 150 | 1.5 | 100 | -90 |
| 2 | 51 | 2.60 | 66 | 10 | 150 | 40 | 600 | 4 | 300 | 2.1 | 100 | -90 |
| 2-1/2 | 64 | 3.11 | 79 | 10 | 150 | 40 | 600 | 4 | 420 | 2.2 | 100 | -90 |
| 3 | 76 | 3.62 | 92 | 10 | 150 | 40 | 600 | 4 | 400 | 3.1 | 100 | -90 |
| 4 | 102 | 4.84 | 123 | 10 | 150 | 40 | 600 | 4 | 550 | 5.2 | 100 | -90 |
| 5 | 127 | 5.90 | 150 | 10 | 150 | 40 | 600 | 4 | 650 | 7.3 | 100 | -90 |
| 6 | 152 | 6.90 | 175 | 10 | 150 | 40 | 600 | 4 | 800 | 8.9 | 100 | -90 |
| 8 | 203 | 9.25 | 238 | 10 | 150 | 40 | 600 | 4 | 1,100 | 18 | 100 | -90 |

Oil Suction & Delivery Hose



- Application:**

For suction & discharge gasoline, diesel oil, fuel oil with aromatic content up to 50%, also applicable for seawater, fresh water, mud, air and other general purposes.

- Hose structure:**

Tube: black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension textile fabric, helix steel wire and anti-static copper wire

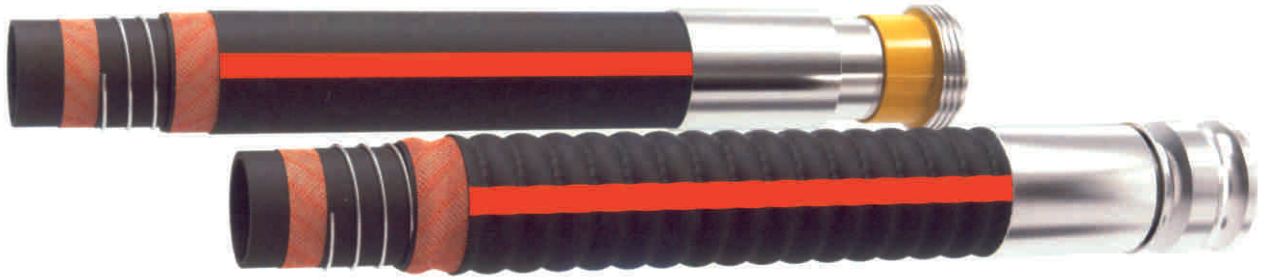
Cover: black, blended chloroprene rubber and butadiene rubber, wear resistance, ozone & ageing resistance, oil resistance, heat resistance



- Temperature range:** -30°C to + 100°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|-------------------------|
| 3/4 | 19 | 1.22 | 31 | 20 | 300 | 80 | 1,200 | 4 | 85 | 0.7 | 60 | -90 |
| 1 | 25 | 1.46 | 37 | 20 | 300 | 80 | 1,200 | 4 | 100 | 1.1 | 100 | -90 |
| 1-1/4 | 32 | 1.77 | 47 | 20 | 300 | 80 | 1,200 | 4 | 130 | 1.3 | 100 | -90 |
| 1-1/2 | 38 | 2.00 | 53 | 20 | 300 | 80 | 1,200 | 4 | 150 | 1.5 | 100 | -90 |
| 2 | 51 | 2.76 | 70 | 20 | 300 | 80 | 1,200 | 4 | 300 | 2.5 | 100 | -90 |
| 2-1/2 | 64 | 3.27 | 83 | 20 | 300 | 80 | 1,200 | 4 | 420 | 3.1 | 60 | -90 |
| 3 | 76 | 3.82 | 97 | 20 | 300 | 80 | 1,200 | 4 | 400 | 4.0 | 100 | -90 |
| 4 | 102 | 5.08 | 129 | 20 | 300 | 80 | 1,200 | 4 | 550 | 6.5 | 100 | -90 |
| 5 | 127 | 6.06 | 154 | 20 | 300 | 80 | 1,200 | 4 | 650 | 8.3 | 100 | -90 |
| 6 | 152 | 7.09 | 180 | 20 | 300 | 80 | 1,200 | 4 | 800 | 10.6 | 100 | -90 |

Bulk Material Handling Hose (Hard Wall)



- Application:**

For delivery and suction of barite, dry powder, cement and other abrasives.

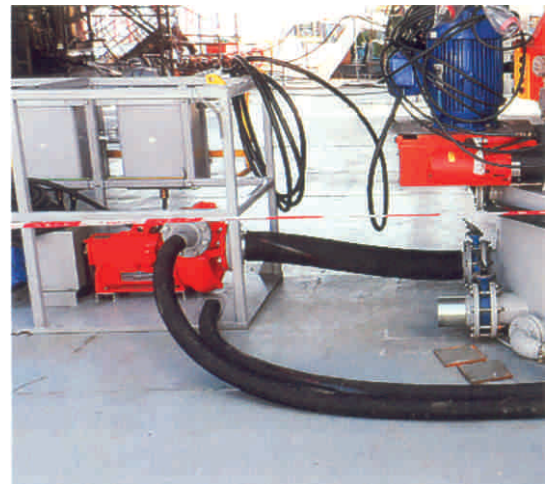
- Hose structure:**

Tube: black, SBR/NR blended rubber elastomer, wear resistance, acid & alkali resistance

Reinforcement: high tension tensile fabric, helix steel wire

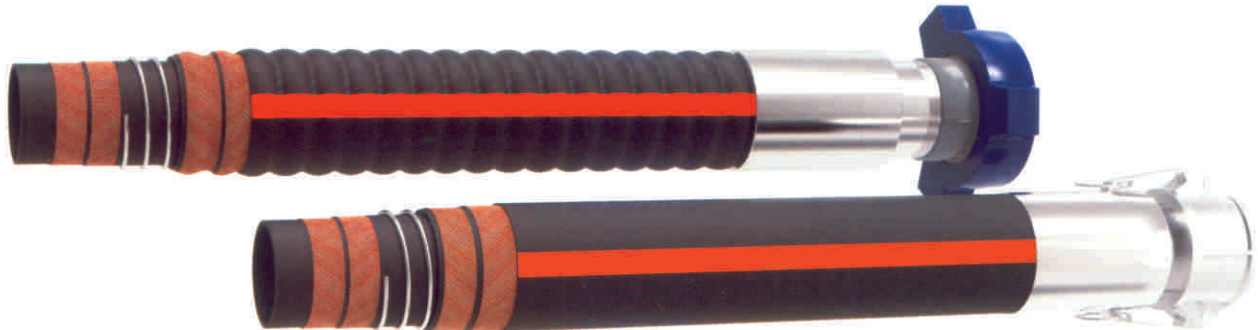
Cover: black, blended polyisoprene rubber and butadiene rubber, wear resistance, ozone resistance, weather/ageing resistance

- Temperature range:** -30°C to + 100°C



| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|-------------------------|
| 1 | 25 | 1.61 | 41 | 10 | 150 | 40 | 600 | 4 | 100 | 1.3 | 100 | -90 |
| 1-1/4 | 32 | 1.93 | 48 | 10 | 150 | 40 | 600 | 4 | 130 | 1.6 | 100 | -90 |
| 1-1/2 | 38 | 2.17 | 55 | 10 | 150 | 40 | 600 | 4 | 150 | 1.9 | 100 | -90 |
| 2 | 51 | 2.72 | 69 | 10 | 150 | 40 | 600 | 4 | 400 | 2.5 | 100 | -90 |
| 3 | 76 | 3.70 | 94 | 10 | 150 | 40 | 600 | 4 | 500 | 3.7 | 100 | -90 |
| 4 | 102 | 4.96 | 126 | 10 | 150 | 40 | 600 | 4 | 650 | 6.1 | 100 | -90 |
| 5 | 127 | 6.02 | 153 | 10 | 150 | 40 | 600 | 4 | 800 | 8.0 | 100 | -90 |
| 6 | 152 | 7.01 | 178 | 10 | 150 | 40 | 600 | 4 | 900 | 9.9 | 100 | -90 |
| 8 | 203 | 9.37 | 238 | 10 | 150 | 40 | 600 | 4 | 1100 | 23 | 100 | -90 |

Bulk Material Handling Hose (Hard Wall)



- **Application:**

For delivery and suction of barite, dry powder, cement and other abrasives.

- **Hose structure:**

Tube: black, SBR/NR blended rubber elastomer, wear resistance, acid & alkali resistance

Reinforcement: high tension tensile fabric, helix steel wire

Cover : black , blended polyisoprene rubber and butadiene, wear resistance, ozone resistance, weather/ageing resistance

- **Temperature range:** -30°C to + 100°C



| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure | | Burst Pressure | | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------|-------|----------------|-------|--------------------|----------|---------------|---------------|-------------------------|
| | | | | (bar) | (psi) | (bar) | (psi) | | | | | |
| 1 | 25 | 1.61 | 41 | 20 | 300 | 80 | 1200 | 4 | 100 | 1.3 | 100 | -90 |
| 1-1/4 | 32 | 1.93 | 48 | 20 | 300 | 80 | 1200 | 4 | 130 | 1.6 | 100 | -90 |
| 1-1/2 | 38 | 2.17 | 55 | 20 | 300 | 80 | 1200 | 4 | 150 | 1.9 | 100 | -90 |
| 2 | 51 | 2.87 | 73 | 20 | 300 | 80 | 1200 | 4 | 400 | 3 | 100 | -90 |
| 3 | 76 | 3.90 | 99 | 20 | 300 | 80 | 1200 | 4 | 500 | 4.5 | 100 | -90 |
| 4 | 102 | 5.12 | 130 | 20 | 300 | 80 | 1200 | 4 | 650 | 6.8 | 100 | -90 |
| 5 | 127 | 6.18 | 157 | 20 | 300 | 80 | 1200 | 4 | 800 | 9 | 100 | -90 |
| 6 | 152 | 7.16 | 182 | 20 | 300 | 80 | 1200 | 4 | 950 | 11 | 100 | -90 |

Portable Water Hose (Soft Wall)



- **Application:** For suction & discharge of portable water.
- **Hose structure:**
 Tube: white, non-toxic and odorless natural rubber
 Reinforcement: high tension textile
 Cover: blue, nitrile rubber/PVC, wear resistance, ozone resistance, hydrocarbon resistance
- **Temperature range:** -30°C to + 100°C
- **Certified with FDA registration**



| Internal (inch) | Dia- meter (mm) | Outer | | Working Pressure | | Burst Pressure | | Safety Coefficien | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------|-----------------------|--------|-----------------------|---------------------|-------|-------------------|-------|----------------------|-------------|------------------|------------------|
| | | (inch) | Dia- meter (mm) | (bar) | (psi) | (bar) | (psi) | | | | |
| 3/4 | 19 | 1.22 | 31 | 20 | 300 | 80 | 1200 | 4 | 110 | 0.7 | 100 |
| 1 | 25 | 1.46 | 39 | 20 | 300 | 80 | 1200 | 4 | 150 | 1.0 | 100 |
| 1-1/4 | 32 | 1.77 | 46 | 20 | 300 | 80 | 1200 | 4 | 200 | 1.3 | 100 |
| 1-1/2 | 38 | 2.00 | 53 | 20 | 300 | 80 | 1200 | 4 | 250 | 1.4 | 100 |
| 2 | 51 | 2.76 | 68 | 20 | 300 | 80 | 1200 | 4 | 350 | 1.8 | 100 |
| 3 | 76 | 3.82 | 93 | 20 | 300 | 80 | 1200 | 4 | 500 | 2.8 | 100 |
| 4 | 102 | 5.08 | 123 | 20 | 300 | 80 | 1200 | 4 | 650 | 4.3 | 100 |
| 5 | 127 | 6.06 | 150 | 20 | 300 | 80 | 1200 | 4 | 800 | 6.8 | 100 |
| 6 | 152 | 7.09 | 175 | 20 | 300 | 80 | 1200 | 4 | 960 | 7.9 | 100 |

Portable Water Hose (Hard Wall)



- **Application:** For suction & discharge of portable water.
- **Hose structure:**
 - Tube: white, non-toxic and odorless natural rubber
 - Reinforcement: high tension textile, helix steel wire
 - Cover: blue, nitrile rubber/PVC, wear resistance, ozone resistance, hydrocarbon resistance
- **Temperature range:** -30°C to + 100°C
- **Certified with FDA registration**

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar / psi) | | Burst Pressure (bar / psi) | | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------------|-----|----------------------------|------|--------------------|----------|---------------|---------------|-------------------------|
| 3/4 | 19 | 1.22 | 31 | 20 | 300 | 80 | 1200 | 4 | 85 | 0.7 | 60 | -90 |
| 1 | 25 | 1.46 | 37 | 20 | 300 | 80 | 1200 | 4 | 100 | 1.1 | 60 | -90 |
| 1-1/4 | 32 | 1.77 | 47 | 20 | 300 | 80 | 1200 | 4 | 130 | 1.3 | 60 | -90 |
| 1-1/2 | 38 | 2.00 | 53 | 20 | 300 | 80 | 1200 | 4 | 150 | 1.5 | 60 | -90 |
| 2 | 51 | 2.76 | 70 | 20 | 300 | 80 | 1200 | 4 | 300 | 2.5 | 60 | -90 |
| 2-1/2 | 64 | 3.27 | 83 | 20 | 300 | 80 | 1200 | 4 | 420 | 3.1 | 60 | -90 |
| 3 | 76 | 3.82 | 97 | 20 | 300 | 80 | 1200 | 4 | 400 | 4.0 | 60 | -90 |
| 4 | 102 | 5.08 | 129 | 20 | 300 | 80 | 1200 | 4 | 550 | 6.5 | 60 | -90 |
| 5 | 127 | 6.06 | 154 | 20 | 300 | 80 | 1200 | 4 | 650 | 8.3 | 60 | -90 |
| 6 | 152 | 7.01 | 180 | 20 | 300 | 80 | 1200 | 4 | 800 | 10.6 | 60 | -90 |

Submersible Pump Seawater Hose



- Application:**

Applied in seawater elevating and transfer system on offshore platform. Submersible pump of the hose is connected seawater lift mechanism, can withstand long term loads from its own weight plus weight from submersible pump. Seawater elevated and charged through such retractable hoses can avoid using auxiliary hoisting system.

- Hose structure:**

Tube: Black nitrile rubber based elastomer, seawater resistance, high temperature resistance, acid & alkali resistance.

Reinforcement : High tension helix wire, and high tension textile;

Cover: Black neoprene rubber based elastomer, fire proof, sea-water resistance, ageing resistance and abrasion resistance.

- Temperature range:** -20°C to +100°C



| Internal Dia-meter (inch) | Internal Dia-meter (mm) | Outer Dia-meter (inch) | Outer Dia-meter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Rated Tensile Load (KN) |
|---------------------------|-------------------------|------------------------|----------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|-------------------------|
| 2 | 51 | 3.2 | 81 | 20.7 | 300 | 82.8 | 1,200 | 4 | 30 | 5 | 70 | 10 |
| 2.5 | 64 | 3.7 | 94 | 20.7 | 300 | 82.8 | 1,200 | 4 | 35 | 6.7 | 70 | 15 |
| 3 | 76 | 4.2 | 106 | 20.7 | 300 | 82.8 | 1,200 | 4 | 50 | 7 | 70 | 20 |
| 3.5 | 89 | 4.8 | 121 | 20.7 | 300 | 82.8 | 1,200 | 4 | 60 | 9.34 | 70 | 22 |
| 4 | 102 | 5.3 | 134 | 20.7 | 300 | 82.8 | 1,200 | 4 | 60 | 9.6 | 70 | 28 |
| 5 | 127 | 6.7 | 171 | 20.7 | 300 | 82.8 | 1,200 | 4 | 100 | 16.7 | 70 | 32 |
| 5.5 | 140 | 7.1 | 180 | 20.7 | 300 | 82.8 | 1,200 | 4 | 100 | 17 | 70 | 35 |
| 6 | 152 | 7.5 | 191 | 20.7 | 300 | 82.8 | 1,200 | 4 | 120 | 18.1 | 70 | 38 |

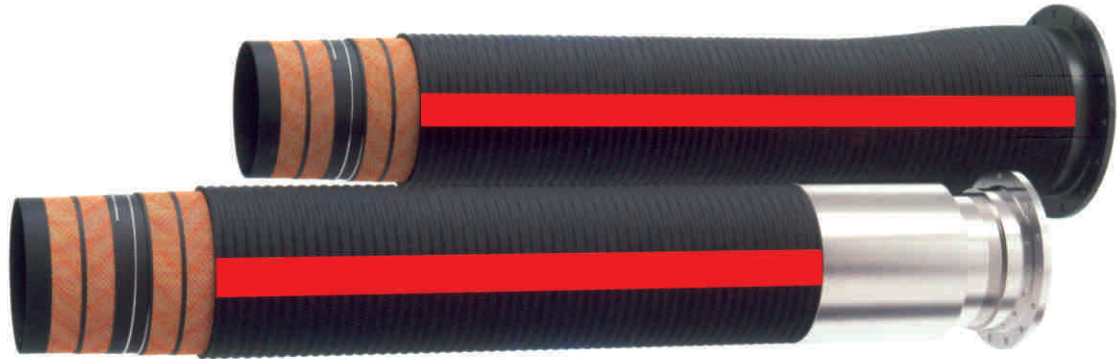
Air Hose



- **Application:** it is used for delivery of compressed air and oil mist, other general purposes.
- **Hose structure:**
 Tube: black , nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance
 Reinforcement: high tension textile
 Cover: yellow, nitrile rubber, wear resistance, ozone ageing resistance, oil resistance, heat resistance
- **Temperature range:** -30°C to + 100°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|
| 1/2 | 13 | 0.81 | 20.5 | 10 | 150 | 30 | 450 | 3 | 78 | 0.39 | 100 |
| 3/4 | 19 | 1.10 | 29 | 10 | 150 | 30 | 450 | 3 | 114 | 0.55 | 100 |
| 1 | 25 | 1.38 | 35 | 10 | 150 | 30 | 450 | 3 | 150 | 0.7 | 100 |
| 1-1/4 | 32 | 1.69 | 43 | 10 | 150 | 30 | 450 | 3 | 200 | 0.9 | 80 |
| 1-1/2 | 38 | 2.05 | 49 | 10 | 150 | 30 | 450 | 3 | 250 | 1.1 | 80 |
| 2 | 51 | 2.64 | 64 | 10 | 150 | 30 | 450 | 3 | 350 | 1.6 | 80 |
| 3 | 76 | 3.66 | 89 | 10 | 150 | 30 | 450 | 3 | 500 | 2.3 | 80 |
| 4 | 102 | 4.84 | 117 | 10 | 150 | 30 | 450 | 3 | 650 | 3.6 | 80 |
| 5 | 127 | 5.91 | 142 | 10 | 150 | 30 | 450 | 3 | 800 | 4.5 | 80 |
| 6 | 152 | 6.93 | 167 | 10 | 150 | 30 | 450 | 3 | 960 | 5.3 | 80 |

Multi-purpose Suction & Discharge Hose



- **Application:** For delivery of gasoline, diesel oil, fuel oil with aromatic content up to 50%, also applicable for seawater, fresh water, mud and air and other general purposes fluid.

- **Hose structure**

Tube: black, nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance

Reinforcement: high tension textile fabric, helix steel wire and anti-static copper wire

Cover: black, BR/Neoprene blended elastomer, wear resistance, ozone & ageing resistance, oil resistance, heat resistance



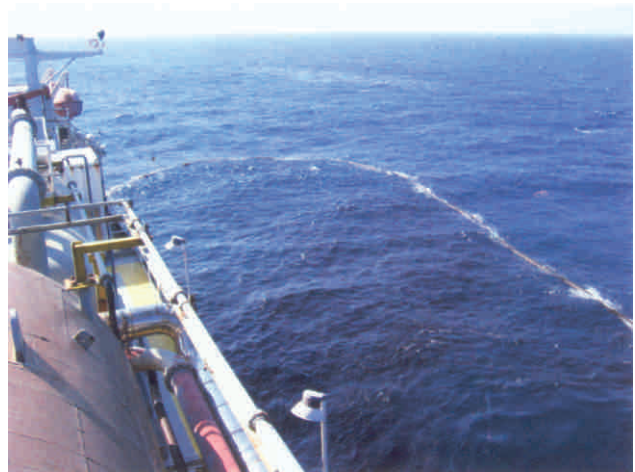
- **Temperature range:** -30°C to + 100°C

| Internal (inch) | Dia- meter (mm) | Outer (inch) | Dia- meter (mm) | Working Pressure | | Burst Pressure | | Safety Coefficien | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------|-----------------------|-----------------|-----------------------|---------------------|-------|-------------------|-------|----------------------|-------------|------------------|------------------|-------------------------------|
| | | | | (bar) | (psi) | (bar) | (psi) | | | | | |
| 6 | 152 | 7.00 | 178 | 10 | 150 | 40 | 600 | 4 | 800 | 10 | 40 | -90 |
| 8 | 203 | 9.37 | 238 | 10 | 150 | 40 | 600 | 4 | 1100 | 23 | 40 | -90 |
| 10 | 254 | 11.38 | 289 | 10 | 150 | 40 | 600 | 4 | 1300 | 26 | 20 | -90 |
| 12 | 305 | 13.5 | 343 | 10 | 150 | 40 | 600 | 4 | 1600 | 34 | 20 | -90 |
| 14 | 355 | 15.55 | 395 | 10 | 150 | 40 | 600 | 4 | 2200 | 38 | 20 | -90 |
| 16 | 405 | 17.52 | 445 | 10 | 150 | 40 | 600 | 4 | 2500 | 43 | 20 | -90 |

Floating Hose



- **Application:** For delivery materials between drilling platform and supply ship, such as fuel oil, barite, mud and portable water and etc. Floating layer bonded with hose body make more effective and stable floating than hose wear floating jacket.
- **Hose structure:**
 - Tube: selected option according to functional requirement
 - Reinforcement: high-tension textile fabric and anti-static copper wire
 - Floating layer: microcellular foaming synthetic materials
 - Cover: black, chloroprene rubber, oil resistance, wear resistance, ozone & ageing resistance, seawater resistance
- **Temperature range:** -30°C to + 100°C
- **Floating capacity:** Min. 25%



| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|
| 2 | 51 | 4.88 | 124 | 10 | 150 | 40 | 600 | 4 | 450 | 2.7 | 60 |
| 3 | 76 | 5.87 | 153 | 10 | 150 | 40 | 600 | 4 | 600 | 4.2 | 60 |
| 4 | 102 | 6.90 | 179 | 10 | 150 | 40 | 600 | 4 | 750 | 5.16 | 60 |
| 5 | 127 | 7.80 | 202 | 10 | 150 | 40 | 600 | 4 | 900 | 7.57 | 60 |
| 6 | 152 | 8.90 | 229 | 10 | 150 | 40 | 600 | 4 | 1,100 | 11.67 | 60 |
| 8 | 203 | 11.06 | 284 | 10 | 150 | 40 | 600 | 4 | 1,400 | 28.7 | 60 |

Chemical Hose For Discharge



- **Application:** Used for delivery of acids and chemicals in high concentration up to 98%.
- **Hose structure:**
 - Tube: transparent, UHMWPE
 - Reinforcement: high tension textile fabric and anti-static copper wire
 - Cover: blue (other color available upon request), EPDM, wear resistance, ozone resistance, weather/ageing resistance
- **Temperature range:** -40°C to + 80°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|-------------------------|
| 3/4 | 19 | 1.28 | 30 | 16 | 232 | 64 | 928 | 4 | 100 | 0.65 | 100 | -90 |
| 1 | 25 | 1.46 | 36 | 16 | 232 | 64 | 928 | 4 | 300 | 0.8 | 100 | -90 |
| 1-1/4 | 32 | 1.73 | 44 | 16 | 232 | 64 | 928 | 4 | 400 | 1.1 | 100 | -90 |
| 1-1/2 | 38 | 2.00 | 50 | 16 | 232 | 64 | 928 | 4 | 500 | 1.5 | 100 | -90 |
| 2 | 51 | 2.64 | 63 | 16 | 232 | 64 | 928 | 4 | 600 | 2.5 | 100 | -90 |
| 2-1/2 | 64 | 3.15 | 80 | 16 | 232 | 64 | 928 | 4 | 700 | 2.8 | 100 | -90 |
| 3 | 76 | 3.62 | 92 | 16 | 232 | 64 | 928 | 4 | 800 | 4.0 | 100 | -90 |
| 4 | 102 | 4.88 | 119 | 16 | 232 | 64 | 928 | 4 | 1100 | 7.1 | 100 | -90 |
| 5 | 127 | 5.90 | 144 | 16 | 232 | 64 | 928 | 4 | 1300 | 8.5 | 100 | -90 |
| 6 | 152 | 6.97 | 169 | 16 | 232 | 64 | 928 | 4 | 1600 | 10.7 | 100 | -90 |

Chemical Hose For Discharge



- **Application:** Used for delivery of acids and chemicals with high concentration up to 98%.
- **Hose structure:**
 Tube: transparent, XLPE crosslinked polyethylene
 Reinforcement: high tension textile fabric, anti-static copper wire
 Outer rubber: green or other color by requirement, EPDM, wear resistance, ozone resistance, weather/ageing resistance
- **Temperature range:** -30°C to + 80°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|
| 2 | 51 | 4.88 | 124 | 10 | 150 | 40 | 600 | 4 | 450 | 2.7 | 60 |
| 3/4 | 19 | 1.22 | 30 | 16 | 232 | 64 | 928 | 4 | 100 | 0.65 | 100 |
| 1 | 25 | 1.46 | 36 | 16 | 232 | 64 | 928 | 4 | 300 | 0.8 | 100 |
| 1-1/4 | 32 | 1.73 | 44 | 16 | 232 | 64 | 928 | 4 | 400 | 1.1 | 100 |
| 1-1/2 | 38 | 2.00 | 50 | 16 | 232 | 64 | 928 | 4 | 500 | 1.5 | 100 |
| 2 | 51 | 2.64 | 63 | 16 | 232 | 64 | 928 | 4 | 600 | 2.5 | 100 |
| 2-1/2 | 64 | 3.15 | 80 | 16 | 232 | 64 | 928 | 4 | 700 | 2.8 | 100 |
| 3 | 76 | 3.62 | 92 | 16 | 232 | 64 | 928 | 4 | 800 | 4.0 | 100 |
| 4 | 102 | 4.88 | 119 | 16 | 232 | 64 | 928 | 4 | 1100 | 7.1 | 100 |
| 5 | 127 | 5.90 | 144 | 16 | 232 | 64 | 928 | 4 | 1300 | 8.5 | 100 |
| 6 | 152 | 6.97 | 169 | 16 | 232 | 64 | 928 | 4 | 1600 | 10.7 | 100 |

Chemical Suction Hose



- **Application:** Used for suction & discharge of acids and chemicals in high concentration up to 98%.
- **Hose structure:**
 Tube: transparent, UHMWPE
 Reinforcement: high tension textile fabric, helix steel wire and anti-static copper wire
 Cover: blue, EPDM, wear resistance, ozone resistance, weather/age resistance
- **Temperature range:** -30°C to + 80°C

| Internal (inch) | Dia- meter (mm) | Outer (inch) | Dia- meter (mm) | Working Pressure (bar) (psi) | | Burst Pressure (bar) (psi) | | Safety Coefficien | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------|-----------------------|-----------------|-----------------------|------------------------------------|-----|----------------------------------|-----|----------------------|-------------|------------------|------------------|-------------------------------|
| 3/4 | 19 | 1.34 | 34 | 10 | 150 | 40 | 600 | 4 | 130 | 0.8 | 100 | -90 |
| 1 | 25 | 1.46 | 40 | 10 | 150 | 40 | 600 | 4 | 150 | 0.72 | 100 | -90 |
| 1-1/4 | 32 | 1.85 | 47 | 10 | 150 | 40 | 600 | 4 | 200 | 1.2 | 100 | -90 |
| 1-1/2 | 38 | 2.00 | 53 | 10 | 150 | 40 | 600 | 4 | 225 | 1.2 | 100 | -90 |
| 2 | 51 | 2.64 | 67 | 10 | 150 | 40 | 600 | 4 | 275 | 2.04 | 100 | -90 |
| 3 | 76 | 3.62 | 93 | 10 | 150 | 40 | 600 | 4 | 400 | 2.88 | 100 | -90 |
| 4 | 102 | 4.88 | 123 | 10 | 150 | 40 | 600 | 4 | 800 | 3.81 | 100 | -90 |
| 5 | 127 | 5.90 | 149 | 10 | 150 | 40 | 600 | 4 | 1300 | 8.5 | 100 | -90 |
| 6 | 152 | 6.97 | 175 | 10 | 150 | 40 | 600 | 4 | 1600 | 10.7 | 100 | -90 |

Chemical Suction Hose



- **Application:** Used for suction & discharge acid and chemicals in high concentration up to 98%.
- **Hose structure:**
 Tube: transparent, XLPE crosslinked polyethylene
 Reinforcement: high tension textile fabric, helix steel wire and anti-static copper wire
 Cover: green (other color required available) EPDM, wear resistance, ozone resistance, weather/ageing resistance
- **Temperature range:** -30°C to +80°C

| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) | Negative Pressure (Kpa) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|-------------------------|
| 3/4 | 19 | 1.34 | 34 | 16 | 232 | 64 | 928 | 4 | 130 | 0.8 | 100 | -90 |
| 1 | 25 | 1.46 | 40 | 16 | 232 | 64 | 928 | 4 | 150 | 1.0 | 100 | -90 |
| 1-1/4 | 32 | 1.85 | 47 | 16 | 232 | 64 | 928 | 4 | 200 | 1.2 | 100 | -90 |
| 1-1/2 | 38 | 2.00 | 53 | 16 | 232 | 64 | 928 | 4 | 225 | 1.5 | 100 | -90 |
| 2 | 51 | 2.64 | 67 | 16 | 232 | 64 | 928 | 4 | 275 | 2.5 | 100 | -90 |
| 3 | 76 | 3.62 | 93 | 16 | 232 | 64 | 928 | 4 | 400 | 3.5 | 100 | -90 |
| 4 | 102 | 4.88 | 123 | 16 | 232 | 64 | 928 | 4 | 800 | 5.7 | 100 | -90 |
| 5 | 127 | 5.90 | 149 | 16 | 232 | 64 | 928 | 4 | 1300 | 6.8 | 100 | -90 |
| 6 | 152 | 6.97 | 175 | 16 | 232 | 64 | 928 | 4 | 1600 | 8.5 | 100 | -90 |

Nitrogen Hose



- **Application:** Used for delivery of nitrogen gas
- **Hose structure:**
 Tube: black smooth EPDM, ageing resistance, acid & alkali resistance
 Reinforcement: high tension synthetic fiber
 Cover: EPDM, wear resistance, ozone resistance, weather/ageing resistance
- **Temperature range:** -30°C to + 100°C



| Internal (inch) | Dia- meter (mm) | Outer (inch) | Dia- meter (mm) | Working Pressure | | Burst Pressure | | Safety Coefficien | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------|-----------------------|-----------------|-----------------------|---------------------|-------|-------------------|-------|----------------------|-------------|------------------|------------------|
| | | | | (bar) | (psi) | (bar) | (psi) | | | | |
| 1/4 | 6.4 | 0.49 | 12.5 | 20 | 300 | 60 | 900 | 3 | 40 | 0.16 | 100 |
| 5/16 | 8 | 0.59 | 15 | 20 | 300 | 60 | 900 | 3 | 48 | 0.21 | 100 |
| 3/8 | 9.5 | 0.65 | 16.5 | 20 | 300 | 60 | 900 | 3 | 60 | 0.24 | 100 |
| 1/2 | 12.7 | 0.81 | 20.5 | 20 | 300 | 60 | 900 | 3 | 78 | 0.36 | 100 |
| 3/4 | 19 | 1.10 | 28 | 20 | 300 | 60 | 900 | 3 | 114 | 0.55 | 100 |
| 1 | 25 | 1.38 | 35 | 20 | 300 | 60 | 900 | 3 | 150 | 0.7 | 100 |
| 1-1/4 | 32 | 1.69 | 43 | 20 | 300 | 60 | 900 | 3 | 200 | 0.9 | 80 |
| 1-1/2 | 38 | 2.05 | 49 | 20 | 300 | 60 | 900 | 3 | 250 | 1.1 | 80 |
| 2 | 51 | 2.64 | 64 | 20 | 300 | 60 | 900 | 3 | 350 | 1.6 | 80 |
| 3 | 76 | 3.66 | 93 | 20 | 300 | 60 | 900 | 3 | 500 | 2.9 | 80 |
| 4 | 102 | 4.84 | 121 | 20 | 300 | 60 | 900 | 3 | 650 | 4.3 | 80 |
| 5 | 127 | 5.91 | 144 | 20 | 300 | 60 | 900 | 3 | 800 | 5.5 | 80 |
| 6 | 152 | 6.93 | 171 | 20 | 300 | 60 | 900 | 3 | 960 | 6.4 | 80 |

Sandblasting Hose



- **Application:** Used for delivery of abrasive material for blasting equipment.
- **Hose structure:**
 Tube: black smooth SBR/NR based elastomer, wear resistance.
 Reinforcement: High tension textile
 Cover: SBR/NR based elastomer, wear resistance, ozone resistance, weathering/ageing resistance
- **Temperature range:** -20°C to +80°C



| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) (psi) | | Burst Pressure (bar) (psi) | | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------------|-----|----------------------------|-----|--------------------|----------|---------------|---------------|
| 3/4 | 19 | 1.38 | 32 | 20 | 300 | 60 | 900 | 3 | 190 | 0.6 | 100 |
| 1 | 25 | 1.61 | 37 | 20 | 300 | 60 | 900 | 3 | 250 | 0.8 | 100 |
| 1-1/4 | 32 | 1.89 | 47 | 20 | 300 | 60 | 900 | 3 | 320 | 1.1 | 100 |
| 1-1/2 | 38 | 2.13 | 54 | 20 | 300 | 60 | 900 | 3 | 400 | 1.3 | 100 |
| 2 | 51 | 2.72 | 68 | 20 | 300 | 60 | 900 | 3 | 500 | 1.9 | 100 |
| 2-1/2 | 64 | 3.19 | 81 | 20 | 300 | 60 | 900 | 3 | 600 | 2.3 | 100 |

Steam Hose



- **Application:** Used for delivery of saturated steam, unsaturated steam and steam up to maximum temperature 164°C
- **Hose structure:**
 Tube: black smooth EPDM, heat resistance, ageing resistance
 Reinforcement: high-tension steel wire
 Cover : EPDM, heat resistance, ozone resistance, ageing resistance
- **Temperature range:** -40°C to +208°C



| Internal Diameter (inch) | Internal Diameter (mm) | Outer Diameter (inch) | Outer Diameter (mm) | Working Pressure (bar) | Working Pressure (psi) | Burst Pressure (bar) | Burst Pressure (psi) | Safety Coefficient | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------------|------------------------|-----------------------|---------------------|------------------------|------------------------|----------------------|----------------------|--------------------|----------|---------------|---------------|
| 1/2 | 13 | 1.00 | 25 | 17 | 255 | 170 | 2,550 | 10 | 130 | 0,55 | 100 |
| 3/4 | 19 | 1.30 | 33 | 17 | 255 | 170 | 2,550 | 10 | 190 | 0,83 | 100 |
| 1 | 25 | 1.58 | 40 | 17 | 255 | 170 | 2,550 | 10 | 250 | 1,02 | 100 |
| 1-1/2 | 38 | 2.13 | 54 | 17 | 255 | 170 | 2,550 | 10 | 380 | 1,7 | 60 |
| 2 | 51 | 2.72 | 69 | 17 | 255 | 170 | 2,550 | 10 | 510 | 2,6 | 40 |

Concrete Conveying Hose



- **Application:** Delivery of cement paste, mortar and other highly abrasive materials. Used for concrete placement from end of concrete pump truck, grouting from pile driver.
- **Hose structure:**
 I Tube: black smooth conductive rubber, abrasion resistant synthetic rubber
 Reinforcement: high-tension steel cable
 Cover: black, abrasion resistant synthetic rubber, ageing resistance
- **Working temperature range:** -30°C to +100°C
- **Standard:** EN 12001/GB/T27571
- **Product advantage:** Very long service life due to outstanding wear-resistance tube, especially flexible and therefor easy to handle, Min. safety factor is 2 times, which will guarantee operator with safety, free twisting hose construction, withstand negative pressure while reverse flushing.



| Internal (inch) | Dia- meter (mm) | Outer (inch) | Dia- meter (mm) | Working Pressure (bar) | (psi) | Burst Pressure (bar) | (psi) | MBR (mm) | Weight (kg/m) | LengthMax (m) |
|--------------------|-----------------------|-----------------|-----------------------|------------------------------|-------|----------------------------|-------|-------------|------------------|------------------|
| 2 | 51 | 2.8 | 71 | 85 | 1232 | 200 | 2900 | 35 | 3.0 | 70 |
| 2.5 | 64 | 2.5 | 89 | 85 | 1232 | 200 | 2900 | 40 | 4.7 | 70 |
| 3 | 76 | 4.0 | 103 | 85 | 1232 | 200 | 2900 | 45 | 6.7 | 70 |
| 3.1 | 80 | 4.2 | 107 | 85 | 1232 | 200 | 2900 | 50 | 7.1 | 70 |
| 4 | 102 | 5,0 | 126 | 85 | 1232 | 200 | 2900 | 70 | 8.9 | 70 |
| 5 | 127 | 6,1 | 154 | 85 | 1232 | 200 | 2900 | 90 | 11.1 | 70 |
| 6 | 152 | 7.2 | 184 | 85 | 1232 | 200 | 2900 | 100 | 15.1 | 70 |



Speciality :

- (Built-in couplings) High-Pressure Mud Hose/ Rotary Hose/ Vibrator Hose
- (Built-in couplings) High-Pressure Cement Hose
- (Swaged couplings) High-Pressure Mud Hose/ Rotary Drilling Hose/ Vibrator Hose/ Cement Hose
- Fire-Rated Tensioner Hose
- (Built-in Couplings) Unbalanced Drilling Hose
- Flexible Choke & Kill Hose
- Flow Line Hose (Inner Wall Armored For Gas Service)
- Jetting Hose
- Hydro Decoking Hose
- BOP Hydraulic Hose
- BOP Hydraulic Hose (Armoured)
- Quick Coupling of BOP Hose
- Fire-rated Seawater Hose
- Oil Delivery Hose
- Bulk Material Handling Hose (soft wall)
- Oil Suction & Delivery Hose
- Bulk Material Handling Hose (Hard Wall)
- Portable Water Hose (Soft Wall)
- Portable Water Hose (Hard Wall)
- Submersible Pump Seawater Hose
- Air Hose
- Multi-purpose Suction & Discharge Hose
- Floating Hose
- Chemical Hose For Discharge
- Chemical Suction Hose
- Nitrogen Hose
- Sandblasting Hose
- Steam Hose
- Concrete Conveying Hose

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