

# INDUSTRIAL & AUTOMOTIVE



# RUBBER HOSE

**INTER**  
The Hose Specialist.

## N.C.R. Rubber Industry Co., Ltd.

Currently operates from its new state-of-the-art manufacturing facility in Rayong, a few hours drive from the heart of Bangkok and minutes from Laem Chabang Deep Seaport. With a total production capacity of 10,000 tonnes per year, NCR is one of Thailand's largest manufacturers, exporters, wholesalers and retailers of a wide range of industrial essentials. These include industrial and automotive rubber hoses, mandrel-built hoses, rubber expansion joints, marine fenders, bridge bearing pads, rubber and sponge profiles, silicone tubes and profiles, and moulded rubber parts, just to name a few.

NCR has a mission to become "an organization which supports learning & development corporate culture, and delivers quality products and services, with emphasis on safety and environment, under a fair system of mutual benefits to all stakeholders". To expand its distribution channels, both domestically and internationally, NCR has established six affiliated companies :

- |   |                                   |   |
|---|-----------------------------------|---|
| 1. Bridgestone NCR Asset Holding (Thailand) Co., Ltd. | 2. N.C.B. International Co., Ltd. | 3. Wattanasuk International Co., Ltd.   |
| 4. NCR-TRB Industry Co., Ltd.                         | 5. Namcharoen Bangkok Co., Ltd.   | 6. INOVE Engineering Industry Co., Ltd. |



### Milestone








- 1960 : Established the first company in the name of " Namcharoen Bangkok " by Mr. Charoenchai Boonbandansook.
- 1962 : Opened the first factory in Samutprakarn, Thailand.
- 1977 : Started export business. First customers were from Australia and Germany.
- 1980 : Changed company's name to "N.C.R. Rubber Industry Co., Ltd."  
Moved factory to a second location in Samutprakarn, Thailand.
- 1997 : Joint-venture with Bridgestone Corp., Japan to establish "Bridgestone NCR Co., Ltd." in Rayong, Thailand.
- 1999 : Certified ISO 9001:2000 by SGS / UKAS.
- 2000 : Awarded "Thailand's Brand" certification by Ministry of Commerce, The Royal Thai Government.
- 2004 : Opened the third factory in Rayong.  
Selected as 1 of 58 prominent enterprises by The Bangkok Post.
- 2005 : Awarded "5S Silver Award" by Thai-Japanese Technology Promotion Association.  
Awarded Quality Control Certification by Thai-Honda Manufacturing Co., Ltd.
- 2012 : Awarded "Thailand LEAN Award 2012-Bronze".
- 2014 : Certified ISO/TS 16949:2009 by SGS / UKAS.
- 2015 : Awarded "Thailand Trust Mark" by Ministry of Commerce, The Royal Thai Government.
- 2017 : Awarded "STEM Workforce Towards Thailand 4.0" by Ministry of Labour, The Royal Thai Government.  
Awarded "Green Industry Award" by Ministry of Industry, The Royal Thai Government.
- 2018 : Certified ISO 9001:2015 and IATF 16949:2016 by SGS / UKAS.  
Awarded "3Rs Award (Industrial Waste Management Project)" by Ministry of Industry, The Royal Thai Government.  
Exported to more than 65 countries in 5 continents around the world.
- 2019 : Certified ISO 14001:2015 by SGS / UKAS.
- 2020 : Appointed by Lillbacka | Finn-Power as an authorized distributor and service provider of crimping and cutting machine
- 2022 : Established "Bridgestone NCR Asset Holding (Thailand) Co., Ltd."  
Certified "Green Industry" Class 3: Green System by Ministry of Industry, The Royal Thai Government.  
Exported to more than 73 countries in 6 continents around the world



Green Industry Award, 3Rs Award (Industrial Waste Management) and Sustainable Development Goals (SDGs)

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# SYMBOL GUIDE

Company Profile

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Symbol Guide

Hose Construction & Hose Selection

Hose Handling



Air



Water



Oil



Transmission Oil



Gas



Sand/Cement



Stone



Acid Solvent



Alkali Solvent



Delivery



Suction and Discharge



Vibration



Minimum Bending Radius (x times of ID)



Minimum Working Temperature



Maximum Working Temperature



Safety Factor (x times of WP)



Smooth



Fabric-wrapped



Corrugated



Flat-Corrugated



Ribbed

# HOSE CONSTRUCTION



**The tube** is the innermost rubber element of the hose. For suitable service, the tube must be resistant to the materials it is intended to convey. The characteristics of the rubber compound from which the tube is made and the thickness of the tube are based on the service for which the hose is designed.

**The Reinforcement** can be textile, plastic, or metal, alone or in combination, built into the body of the hose to withstand internal pressures, external forces, or combination of both. The type and amount of reinforcing material used depends on the method of manufacture and on the service requirements.

**The cover** is the outer element of the hose. The prime function of the cover is to protect the reinforcement from damage and withstand the environment in which the hose will be used. Covers are designed for specific applications and can be made to be resistant to oils, acids, abrasion, flexing, sunlight, ozone, etc.

# HOSE SELECTION

When choosing a hose, it is important to know the following basic information.

|  |   |
|--|---|
| <b>Inside Diameter (ID)</b>            | Generally used to refer to hose size.   |
| <b>Outside Diameter (OD)</b>           | Overall outside size of hose. Important when choosing couplings or clamps.  |
| <b>Thickness</b>                       | Total thickness of the hose wall, including tube, reinforcement and cover.  |
| <b>Working Pressure (WP)</b>           | The maximum working pressure for which the hose is designed and to which it may be subjected.                               |
| <b>Burst Pressure (BP)</b>             | The pressure which a new hose can resist before bursting.   |
| <b>Bending Radius</b>                  | The minimum bending radius to which the hose can be curved.   |
| <b>Length (L)</b>                      | Refers to the supplied length of hose. For coupled hoses, the length is counted from both coupling ends.                    |
| <b>Product Standard or Certificate</b> | Refers to any international standards, production certificates or other design regulations.                                 |
| <b>Operating Temperature</b>           | Temperature of media conveyed, and of the surrounding.  |
| <b>Aromatic Hydrocarbon Content</b>    | The maximum percentage amount of aromatic hydrocarbon in fluid to be transported.   |
| <b>External Conditions</b>             | The environment in which the hose is to be used e.g. climate and ozone conditions, abrasion, contact to oil or grease, etc. |
| <b>Special Features</b>                | Special requirements e.g. spiral reinforcement or electric conductive wire.   |
| <b>Others</b>                          | Marking, packaging, delivery or other requirements.   |

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedure described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

**SAFETY WARNING :** Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose might result in its failure to perform in the manner intended and might result in possible damage to property and serious bodily injury.

## General Care and Maintenance of Hose

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe and loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

## Storage

Rubber hose in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials.

The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as a hose having a heavier wall or a hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids. Shipping containers also afford some protection against ozone and sunlight. Certain rodents and insects will damage rubber hose, and adequate protection from them should be provided. Cotton jacketed hose should be protected against fungal growths if the hose is to be stored for prolonged periods in humidity conditions in excess of 70%.

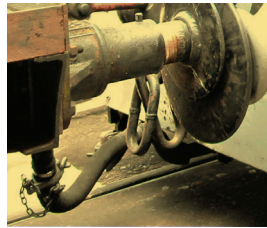
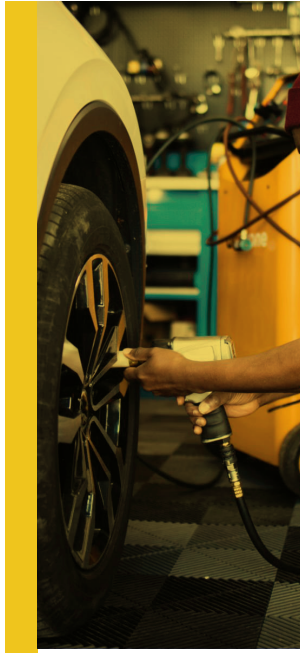
The ideal temperature for the storage of rubber hose range from 50° to 70° F (10°C to 21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber hose become stiff and would require warming before being placed in service. Rubber hose should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid the adverse effects of high ozone concentration, hose should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Rubber hose should not be stored in locations where the ozone level exceeds the National Institute of Occupational Safety and Health's upper limit of 0.10ppm. Exposure to direct or reflected sunlight, even through windows, should also be avoided. Uncovered rubber hose should not be stored under fluorescent or mercury lamps which generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free of dampness and mildew. Rubber hose should be stored on a first-in, first-out basis, since even under the best conditions, an unusually long shelf life could deteriorate certain rubber products.

Proper storage of rubber hose could minimize deterioration from exposure to elements or environments which are known to be deleterious to rubber hose. Proper storage conditions can enhance and extend substantially the ultimate life of rubber hose.

\*(Referred from RMA Hose Handbook IP-2 Seventh Edition 2003)



INDUSTRIAL

# AIR HOSE



# COMPRESSED AIR HOSE

Air Hose



Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

|                      |   |
|----------------------|---|
| <b>Applications</b>  | For heavy-duty use with air compressors in quarries, service stations, construction sites, shipyards, factories and other general services. |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn  |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber  |



**Marking:** *JNER* AIR HOSE ISO 2398:2016 / 1A / L-T / XX mm / 1.0 MPa / 10 bar

ISO 2398 : 2016  
Type 1 Class A



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 1/4        | 6  | 6.3  | 12.5 | 10  | 150 | 40  | 600 | 100 | AZNA06BSJ04  |
| 5/16       | 8  | 8.0  | 15.0 | 10  | 150 | 40  | 600 | 100 | AZNA08BSJ04  |
| 3/8        | 9  | 9.5  | 16.5 | 10  | 150 | 40  | 600 | 100 | AZNA09BSJ04  |
| 1/2        | 12 | 12.7 | 20.0 | 10  | 150 | 40  | 600 | 100 | AZNA12BSJ04  |
| 5/8        | 16 | 16.0 | 24.0 | 10  | 150 | 40  | 600 | 50  | AZNA16BSE04  |
| 3/4        | 19 | 19.0 | 28.0 | 10  | 150 | 40  | 600 | 50  | AZNA19BSE05  |
| 1          | 25 | 25.4 | 36.0 | 10  | 150 | 40  | 600 | 50  | AZNA25BSE04  |

**Marking:** *JNER* AIR HOSE ISO 2398:2016 / 2A / L-T / XX mm / 1.6 MPa / WP 16 bar

ISO 2398 : 2016  
Type 2 Class A



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 1/4        | 6  | 6.3  | 13.0 | 16  | 240 | 64  | 960 | 100 | AZNA06BSJ05  |
| 5/16       | 8  | 8.0  | 15.5 | 16  | 240 | 64  | 960 | 100 | AZNA08BSJ05  |
| 3/8        | 9  | 9.5  | 17.0 | 16  | 240 | 64  | 960 | 100 | AZNA09BSJ05  |
| 1/2        | 12 | 12.7 | 20.5 | 16  | 240 | 64  | 960 | 100 | AZNA12BSJ05  |
| 5/8        | 16 | 16.0 | 25.0 | 16  | 240 | 64  | 960 | 50  | AZNA16BSE05  |
| 3/4        | 19 | 19.0 | 29.0 | 16  | 240 | 64  | 960 | 50  | AZNA19BSE06  |
| 1          | 25 | 25.4 | 37.0 | 16  | 240 | 64  | 960 | 50  | AZNA25BSE05  |

\*Also available in 30m, 50m lengths, please contact us\*



# COMPRESSED AIR HOSE



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For use with air compressors in mines, quarries, service stations, construction sites, shipyards, factories and other general services. |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn  |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <i>JNTER</i> AIR HOSE ISO 2398/A ID" WP XX PSI BP XX PSI  |

Air Hose

Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose



Air 30 Series



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 1/4        | 6  | 6.3  | 12.5 | 10  | 150 | 30  | 450 | 100 | AZNA06BSJ01  |
| 5/16       | 8  | 8.0  | 15.0 | 10  | 150 | 30  | 450 | 100 | AZNA08BSJ01  |
| 3/8        | 9  | 9.5  | 16.5 | 10  | 150 | 30  | 450 | 100 | AZNA09BSJ01  |
| 1/2        | 12 | 12.7 | 20.0 | 10  | 150 | 30  | 450 | 100 | AZNA12BSJ01  |
| 5/8        | 16 | 16.0 | 24.0 | 10  | 150 | 30  | 450 | 50  | AZNA16BSE01  |
| 3/4        | 19 | 19.0 | 28.0 | 10  | 150 | 30  | 450 | 50  | AZNA19BSE01  |
| 1          | 25 | 25.4 | 36.0 | 10  | 150 | 30  | 450 | 50  | AZNA25BSE01  |

Air 45 Series



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 1/4        | 6  | 6.3  | 13.0 | 15  | 225 | 45  | 660 | 100 | AZNA06BSJ02  |
| 5/16       | 8  | 8.0  | 15.5 | 15  | 225 | 45  | 660 | 100 | AZNA08BSJ02  |
| 3/8        | 9  | 9.5  | 17.0 | 15  | 225 | 45  | 660 | 100 | AZNA09BSJ02  |
| 1/2        | 12 | 12.7 | 20.5 | 15  | 225 | 45  | 660 | 100 | AZNA12BSJ02  |
| 5/8        | 16 | 16.0 | 25.0 | 15  | 225 | 45  | 660 | 50  | AZNA16BSE02  |
| 3/4        | 19 | 19.0 | 29.0 | 15  | 225 | 45  | 660 | 50  | AZNA19BSE02  |
| 1          | 25 | 25.4 | 37.0 | 15  | 225 | 45  | 660 | 50  | AZNA25BSE02  |

\*Also available in 30m, 50m lengths, please contact us\*

Air 60 Series



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 1/4        | 6  | 6.3  | 13.5 | 20  | 300 | 60  | 900 | 100 | AZNA06BSJ03  |
| 5/16       | 8  | 8.0  | 16.0 | 20  | 300 | 60  | 900 | 100 | AZNA08BSJ03  |
| 3/8        | 9  | 9.5  | 17.5 | 20  | 300 | 60  | 900 | 100 | AZNA09BSJ03  |
| 1/2        | 12 | 12.7 | 21.0 | 20  | 300 | 60  | 900 | 100 | AZNA12BSJ03  |
| 5/8        | 16 | 16.0 | 26.0 | 20  | 300 | 60  | 900 | 100 | AZNA16BSJ03  |
| 3/4        | 19 | 19.0 | 30.0 | 20  | 300 | 60  | 900 | 50  | AZNA19BSE03  |
| 1          | 25 | 25.4 | 38.0 | 20  | 300 | 60  | 900 | 50  | AZNA25BSE03  |

\*Also available in 30m, 50m, 100m lengths, please contact us\*

# AIR HOSE - HEAVY DUTY-

Air Hose



Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

|                      |   |
|----------------------|---|
| <b>Applications</b>  | For heavy-duty use with air compressors in quarries, service stations, construction sites, shipyards, factories and other general services. |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn  |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <b>JNER AD300 AIR HOSE - HEAVY DUTY - BP 900PSI - WP 300PSI</b>   |



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 1.1/4      | 32  | 32.0  | 44.0  | 20  | 300 | 60  | 900 | BR-52001     | BR-62001 |
| 1.1/2      | 38  | 38.0  | 51.0  | 20  | 300 | 60  | 900 | BR-52002     | BR-62002 |
| 2          | 51  | 50.8  | 65.0  | 20  | 300 | 60  | 900 | BR-52003     | BR-62003 |
| 2.1/2      | 63  | 63.5  | 80.0  | 20  | 300 | 60  | 900 | BR-52004     | BR-62004 |
| 3          | 76  | 76.2  | 92.0  | 20  | 300 | 60  | 900 | BR-52005     | BR-62005 |
| 4          | 102 | 101.6 | 118.0 | 20  | 300 | 60  | 900 | BR-52006     | BR-62006 |

# AIR HOSE - HEAVY DUTY- (GREEN SERIES)



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For heavy-duty use with air compressors in quarries, service stations, construction sites, shipyards, factories and other general services. |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn  |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <b>JNER AD300 GREEN SERIES AIR HOSE - HEAVY DUTY - BP 900PSI WP 300PSI</b>  |



MADE WITH RECYCLED MATERIALS

| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |           |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|-----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M       |
| 1.1/4      | 32  | 32.0  | 44.0  | 20  | 300 | 60  | 900 | BR-52001G    | BR-62001G |
| 1.1/2      | 38  | 38.0  | 51.0  | 20  | 300 | 60  | 900 | BR-52002G    | BR-62002G |
| 2          | 51  | 50.8  | 65.0  | 20  | 300 | 60  | 900 | BR-52003G    | BR-62003G |
| 2.1/2      | 63  | 63.5  | 80.0  | 20  | 300 | 60  | 900 | BR-52004G    | BR-62004G |
| 3          | 76  | 76.2  | 92.0  | 20  | 300 | 60  | 900 | BR-52005G    | BR-62005G |
| 4          | 102 | 101.6 | 118.0 | 20  | 300 | 60  | 900 | BR-52006G    | BR-62006G |

# JACK HAMMER HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For use with air compressors in construction works, quarries and many civil engineering and industrial applications. |
| <b>Tube</b>          | Oil mist resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | <i>JNTER</i> JACK HAMMER HOSE 3/4" WP 300 PSI BP 900 PSI   |



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 3/4        | 19 | 19.0 | 29.2 | 20  | 300 | 60  | 900 | 50 | AZNA19YSE01  |

# SUPER JACK HAMMER HOSE - HEAVY DUTY -



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For heavy duty handling of oil-charge compressed air and high pressure compressor and other equipment used on public work sites. |
| <b>Tube</b>          | Oil resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Oil, ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <i>JNTER</i> SUPER JACK HAMMER HOSE 3/4" WP300 PSI BP1200 PSI  |



ISO 2398 : 2016  
Type 2 Class C



| Nominal ID |    | ID   | OD   | WP  |     | BP  |      | L  | Product code |
|------------|----|------|------|-----|-----|-----|------|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI  | m  |              |
| 3/4        | 19 | 19.0 | 30.0 | 20  | 300 | 80  | 1200 | 50 | AZNA19BSE04  |

Air Hose

Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

# HOT AIR BLOWER HOSE

Air Hose



Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

## Applications

For conveying hot air from the compressor / blower on dry material (for eg. cement) unloading systems.

## Tube

Heat resistant EPDM rubber

## Reinforcement

High tensile synthetic fabric

## Cover

High abrasion and heat resistant synthetic rubber

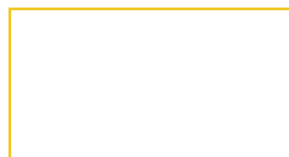
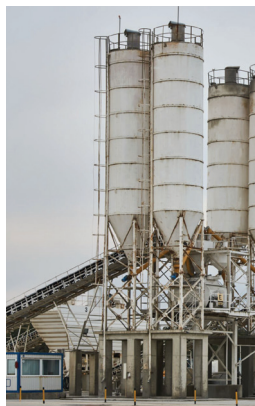
## Marking

**JNTER HAB150 HOT AIR BLOWER HOSE - HEAVY DUTY -** BP 450PSI WP 150PSI



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | L  | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|----|--------------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | m  |              |
| 1          | 25  | 25.4  | 38.6  | 10  | 150 | 30  | 450 | 40 | BH-41010     |
| 1.1/2      | 38  | 38.0  | 51.2  | 10  | 150 | 30  | 450 | 40 | BH-41011     |
| 2          | 51  | 50.8  | 66.0  | 10  | 150 | 30  | 450 | 40 | BH-41012     |
| 2.1/2      | 63  | 63.5  | 78.7  | 10  | 150 | 30  | 450 | 40 | BH-41013     |
| 3          | 76  | 76.2  | 93.4  | 10  | 150 | 30  | 450 | 40 | BH-41014     |
| 3.1/2      | 90  | 90.0  | 109.2 | 10  | 150 | 30  | 450 | 40 | BH-41015     |
| 4          | 102 | 101.6 | 120.8 | 10  | 150 | 30  | 450 | 40 | BH-41016     |

\*For sizes other than listed above, please contact us\*



# INDUSTRIAL



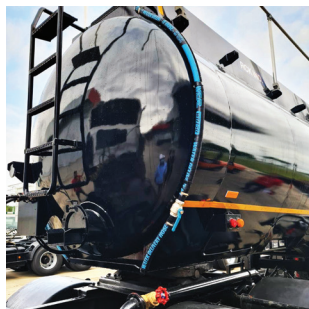
# WATER HOSE



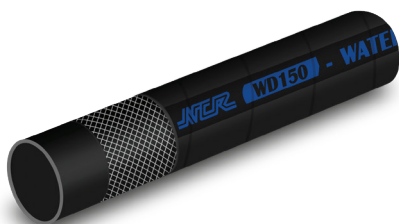
# WATER DELIVERY HOSE

Air Hose

Water Hose



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For discharge of water and other non-corrosive liquid.                  |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric   |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber                            |
| <b>Marking</b>       | <b>JNTER</b> <b>WD150</b> - WATER DELIVERY HOSE - BP 450PSI - WP 150PSI |



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 1.1/4      | 32  | 32.0  | 41.4  | 10  | 150 | 30  | 450 | BD-52001     | BD-62001 |
| 1.1/2      | 38  | 38.0  | 47.4  | 10  | 150 | 30  | 450 | BD-52002     | BD-62002 |
| 2          | 51  | 50.8  | 60.0  | 10  | 150 | 30  | 450 | BD-52003     | BD-62003 |
| 2.1/2      | 63  | 63.5  | 74.0  | 10  | 150 | 30  | 450 | BD-52004     | BD-62004 |
| 3          | 76  | 76.2  | 88.0  | 10  | 150 | 30  | 450 | BD-52005     | BD-62005 |
| 4          | 102 | 101.6 | 115.0 | 10  | 150 | 30  | 450 | BD-52006     | BD-62006 |
| 5          | 127 | 127.0 | 140.0 | 10  | 150 | 30  | 450 | BD-52007     | BD-62007 |
| 6          | 152 | 152.4 | 165.0 | 10  | 150 | 30  | 450 | BD-52008     | BD-62008 |

\*For sizes other than listed above, please contact us\*

# WATER SUCTION & DISCHARGE HOSE 150PSI

Gas & Welding  
Hose

Abrasive Material  
Hose

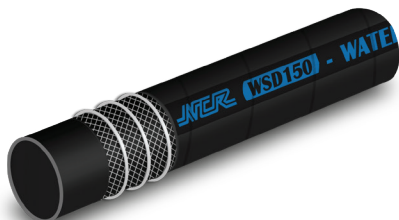
Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For suction and discharge of water and other non-corrosive liquid.                  |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire                      |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <b>JNTER</b> <b>WSD150</b> - WATER SUCTION & DISCHARGE HOSE - BP 450PSI - WP 150PSI |



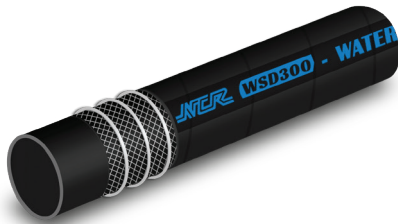
| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code     |          |
|------------|-----|-------|-------|-----|-----|-----|-----|------------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M              | 60M      |
| 1.1/4      | 32  | 32.0  | 43.4  | 10  | 150 | 30  | 450 | BS-51001         | BS-61001 |
| 1.1/2      | 38  | 38.0  | 50.4  | 10  | 150 | 30  | 450 | BS-51002         | BS-61002 |
| 2          | 51  | 50.8  | 62.6  | 10  | 150 | 30  | 450 | BS-51003         | BS-61003 |
| 2.1/2      | 63  | 63.5  | 76.7  | 10  | 150 | 30  | 450 | BS-51004         | BS-61004 |
| 3          | 76  | 76.2  | 89.4  | 10  | 150 | 30  | 450 | BS-51005         | BS-61005 |
| 3.1/2      | 90  | 88.9  | 103.7 | 10  | 150 | 30  | 450 | BS-51006         | BS-61006 |
| 4          | 102 | 101.6 | 117.6 | 10  | 150 | 30  | 450 | BS-51007         | BS-61007 |
| 5          | 127 | 127.0 | 145.2 | 10  | 150 | 30  | 450 | BS-51008         | BS-61008 |
| 6          | 152 | 152.4 | 173.2 | 10  | 150 | 30  | 450 | BS-51009         | BS-61009 |
| 8          | 203 | 203.0 | 239.0 | 10  | 150 | 30  | 450 | BS-41010 (L=15m) |          |
| 10         | 254 | 254.0 | 290.0 | 10  | 150 | 30  | 450 | BS-41011 (L=15m) |          |

\*For sizes other than listed above, please contact us\*

# WATER SUCTION & DISCHARGE HOSE 300PSI



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For suction and discharge of water and other non-corrosive liquid.              |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire                  |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber                                    |
| <b>Marking</b>       | <b>JNTER WSD300 - WATER SUCTION &amp; DISCHARGE HOSE - BP 900PSI - WP300PSI</b> |



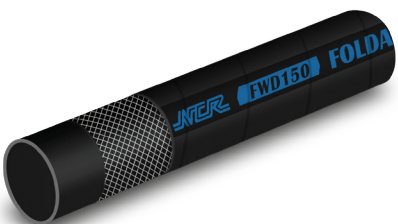
| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | L  | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|----|--------------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | M  |              |
| 1.1/4      | 32  | 32.0  | 44.4  | 20  | 300 | 60  | 900 | 40 | BS-51301     |
| 1.1/2      | 38  | 38.0  | 51.4  | 20  | 300 | 60  | 900 | 40 | BS-51302     |
| 2          | 51  | 50.8  | 63.6  | 20  | 300 | 60  | 900 | 40 | BS-51303     |
| 2.1/2      | 63  | 63.5  | 77.7  | 20  | 300 | 60  | 900 | 40 | BS-51304     |
| 3          | 76  | 76.2  | 93.4  | 20  | 300 | 60  | 900 | 40 | BS-51305     |
| 3.1/2      | 90  | 88.9  | 104.7 | 20  | 300 | 60  | 900 | 40 | BS-51306     |
| 4          | 102 | 101.6 | 120.4 | 20  | 300 | 60  | 900 | 40 | BS-51307     |
| 5          | 127 | 127.0 | 149.8 | 20  | 300 | 60  | 900 | 40 | BS-51308     |
| 6          | 152 | 152.4 | 174.2 | 20  | 300 | 60  | 900 | 40 | BS-51309     |

\*For sizes other than listed above, please contact us\*

# FOLDABLE WATER DELIVERY HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For discharge of water and other non-corrosive liquid. The hose can be flattened and coiled when it is not in-use. |
| <b>Tube</b>          | Synthetic rubber   |
| <b>Reinforcement</b> | High tensile polyester cord  |
| <b>Cover</b>         | High abrasion and weather resistant synthetic rubber   |
| <b>Marking</b>       | <b>JNTER FWD150 FOLDABLE WATER DELIVERY HOSE</b> BP 450PSI WP 150PSI   |



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | L  | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|----|--------------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | m  |              |
| 2          | 51  | 50.8  | 58.4  | 10  | 150 | 30  | 450 | 40 | BD-53001     |
| 3          | 76  | 76.2  | 83.8  | 10  | 150 | 30  | 450 | 40 | BD-53002     |
| 4          | 101 | 101.6 | 109.0 | 10  | 150 | 30  | 450 | 40 | BD-53003     |
| 6          | 152 | 152.4 | 163.0 | 10  | 150 | 30  | 450 | 40 | BD-53004     |
| 8          | 203 | 203.2 | 217.0 | 10  | 150 | 30  | 450 | 20 | BD-53005     |
| 10         | 254 | 254.0 | 268.0 | 10  | 150 | 30  | 450 | 20 | BD-53006     |

\*Flow direction of fluid is recommended to be in the same direction as indicated on the hose surface.

\*\*Also available in 60 m lengths, please contact us.

- Air Hose
- Water Hose**
- Gas & Welding Hose
- Abrasive Material Hose
- Oil / Petroleum Hose
- Chemical Hose
- Automotive Hose

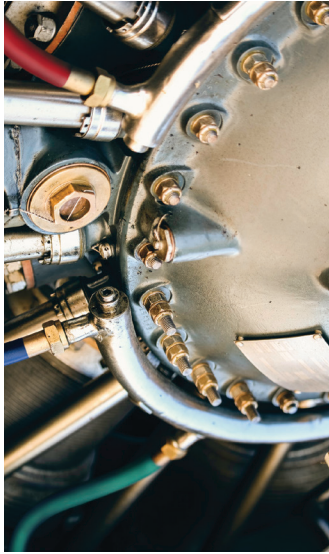


|                      |   |
|----------------------|---|
| <b>Applications</b>  | For use as a connecting joint between two pipes, transferring air, water and other non-corrosive liquids. |
| <b>Tube</b>          | Synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire  |
| <b>Cover</b>         | Wear and weather resistant synthetic rubber   |
| <b>Marking</b>       | <b>JETER FLEX HOSE - ID"</b>  |

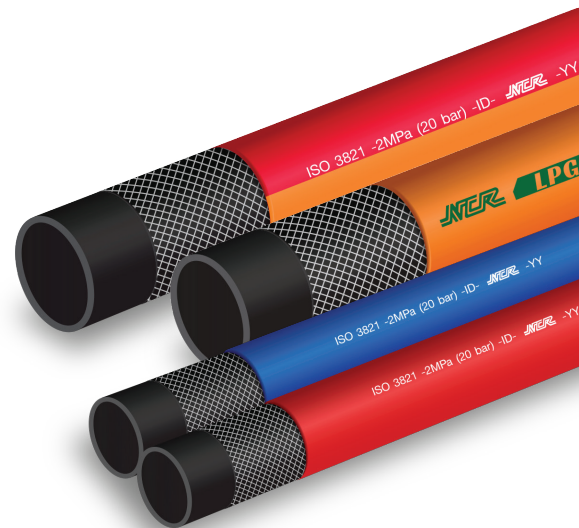


| Nominal ID |       | OD    | WP  |     | BP  |       | Product code |            |          |          |
|------------|-------|-------|-----|-----|-----|-------|--------------|------------|----------|----------|
| Inch       | mm    | mm    | bar | PSI | bar | PSI   | L = 1'       | L = 1.1/2' | L = 2'   | L = 1 m  |
| 3/4        | 19.1  | 33.1  | 5   | 75  | 7.5 | 112.5 | BF-1000N     | BF-1500N   | BF-2000N | BF-0100N |
| 1          | 25.4  | 39.4  | 5   | 75  | 7.5 | 112.5 | BF-1001N     | BF-1501N   | BF-2001N | BF-0101N |
| 1.1/4      | 31.8  | 45.8  | 5   | 75  | 7.5 | 112.5 | BF-1002N     | BF-1502N   | BF-2002N | BF-0102N |
| 1.1/2      | 38.1  | 52.1  | 4   | 60  | 6   | 90    | BF-1003N     | BF-1503N   | BF-2003N | BF-0103N |
| 1.3/4      | 44.5  | 58.5  | 4   | 60  | 6   | 90    | BF-1004N     | BF-1504N   | BF-2004N | BF-0104N |
| 2          | 50.8  | 64.8  | 4   | 60  | 6   | 90    | BF-1005N     | BF-1505N   | BF-2005N | BF-0105N |
| 2.1/4      | 57.2  | 71.2  | 3   | 45  | 4.5 | 67.5  | BF-1006N     | BF-1506N   | BF-2006N | BF-0106N |
| 2.1/2      | 63.5  | 78.5  | 3   | 45  | 4.5 | 67.5  | BF-1007N     | BF-1507N   | BF-2007N | BF-0107N |
| 2.3/4      | 69.9  | 84.9  | 3   | 45  | 4.5 | 67.5  | BF-1008N     | BF-1508N   | BF-2008N | BF-0108N |
| 3          | 76.2  | 91.2  | 3   | 45  | 4.5 | 67.5  | BF-1009N     | BF-1509N   | BF-2009N | BF-0109N |
| 3.1/4      | 82.6  | 97.6  | 3   | 45  | 4.5 | 67.5  | BF-1010N     | BF-1510N   | BF-2010N | BF-0110N |
| 3.1/2      | 88.9  | 103.9 | 3   | 45  | 4.5 | 67.5  | BF-1011N     | BF-1511N   | BF-2011N | BF-0111N |
| 3.3/4      | 95.3  | 110.3 | 3   | 45  | 4.5 | 67.5  | BF-1012N     | BF-1512N   | BF-2012N | BF-0112N |
| 4          | 101.6 | 116.6 | 2   | 30  | 3   | 45    | BF-1013N     | BF-1513N   | BF-2013N | BF-0113N |
| 4.1/4      | 108.0 | 123.0 | 2   | 30  | 3   | 45    | BF-1014N     | BF-1514N   | BF-2014N | BF-0114N |
| 4.1/2      | 114.3 | 129.3 | 2   | 30  | 3   | 45    | BF-1015N     | BF-1515N   | BF-2015N | BF-0115N |
| 5          | 127.0 | 147.0 | 2   | 30  | 3   | 45    | BF-1016N     | BF-1516N   | BF-2016N | BF-0116N |
| 5.1/2      | 139.7 | 159.7 | 2   | 30  | 3   | 45    | BF-1017N     | BF-1517N   | BF-2017N | BF-0117N |
| 6          | 152.4 | 172.4 | 2   | 30  | 3   | 45    | BF-1018N     | BF-1518N   | BF-2018N | BF-0118N |
| 6.1/2      | 165.1 | 185.1 | 2   | 30  | 3   | 45    | BF-1019N     | BF-1519N   | BF-2019N | BF-0119N |
| 8.1/2      | 215.9 | 238.1 | 2   | 30  | 3   | 45    | BF-1020N     | BF-1520N   | BF-2020N | BF-0120N |
| 10.1/2     | 266.7 | 292.1 | 2   | 30  | 3   | 45    | BF-1021N     | BF-1521N   | BF-2021N | BF-0121N |
| 12.1/2     | 317.5 | 345.5 | 2   | 30  | 3   | 45    | BF-1022N     | BF-1522N   | BF-2022N | BF-0122N |





# GAS & WELDING HOSE



# WELDING & CUTTING HOSE (Oxygen & Acetylene)


Air Hose


Water Hose



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For use with welding and allied processes in workshops, shipyards, construction sites and factories. |
| <b>Tube</b>          | High ignition temperature synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Excellent ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | ISO 3821 -2MPa (20 bar) -ID- <b>JNEER</b> -YY  |



 Blue (Oxygen)

 Red (Acetylene)

Gas & Welding Hose

Single line welding hose  
ISO 3821, AS 1335



| Nominal ID | ID | OD   | WP   | BP  | L   | Product code |     |     |             |             |
|------------|----|------|------|-----|-----|--------------|-----|-----|-------------|-------------|
|            |    |      |      |     |     | Blue         | Red |     |             |             |
| Inch       | mm | mm   | bar  | PSI | bar | PSI          | m   |     |             |             |
| 3/16       | 5  | 5.0  | 12.0 | 20  | 300 | 60           | 900 | 100 | AXXS05USJ02 | AXXS05RSJ02 |
| 1/4        | 6  | 6.3  | 13.3 | 20  | 300 | 60           | 900 | 100 | AXXS06USJ02 | AXXS06RSJ02 |
| 1/4        | 6  | 6.3  | 16.0 | 20  | 300 | 60           | 900 | 40  | AXXS06USD01 | -           |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60           | 900 | 100 | AXXS08USJ01 | AXXS08RSJ01 |
| 3/8        | 9  | 9.0  | 16.0 | 20  | 300 | 60           | 900 | 100 | AXXS09USJ01 | AXXS09RSJ02 |
| 3/8        | 10 | 10.0 | 17.0 | 20  | 300 | 60           | 900 | 100 | AXXS10USJ01 | AXXS10RSJ01 |
| 1/2        | 12 | 12.7 | 21.0 | 20  | 300 | 60           | 900 | 100 | AXXS12USJ02 | AXXS12RSJ02 |
| 3/4        | 19 | 19.0 | 28.0 | 20  | 300 | 60           | 900 | 100 | AXXS19USJ02 | AXXS19RSJ02 |

Abrasive Material Hose

Oil / Petroleum Hose

Chemical Hose

Automotive Hose

Twin line welding hose  
ISO 3821, AS 1335



| Nominal ID | ID    | OD        | WP        | BP  | L   | Product code |     |     |             |
|------------|-------|-----------|-----------|-----|-----|--------------|-----|-----|-------------|
|            |       |           |           |     |     | Blue         | Red |     |             |
| Inch       | mm    | mm        | bar       | PSI | bar | PSI          | m   |     |             |
| 3/16+3/16  | 5+5   | 5.0+5.0   | 12.0+12.0 | 20  | 300 | 60           | 900 | 100 | AXXT558SJ01 |
| 1/4+1/4    | 6+6   | 6.3+6.3   | 13.3+13.3 | 20  | 300 | 60           | 900 | 100 | AXXT663SJ01 |
| 1/4+3/8    | 6+9   | 6.3+9.0   | 13.3+16.0 | 20  | 300 | 60           | 900 | 100 | AXXT698SJ01 |
| 1/4+3/8    | 6+9   | 6.3+9.0   | 16.0+16.0 | 20  | 300 | 60           | 900 | 40  | AXXT693SD02 |
| 5/16+5/16  | 8+8   | 8.0+8.0   | 15.0+15.0 | 20  | 300 | 60           | 900 | 100 | AXXT883SJ01 |
| 5/16+3/8   | 8+9   | 8.0+9.0   | 15.0+16.0 | 20  | 300 | 60           | 900 | 100 | AXXT893SJ01 |
| 3/8+3/8    | 9+9   | 9.0+9.0   | 16.0+16.0 | 20  | 300 | 60           | 900 | 100 | AXXT998SJ01 |
| 3/8+3/8    | 10+10 | 10.0+10.0 | 17.0+17.0 | 20  | 300 | 60           | 900 | 100 | AXXT003SJ01 |

## WELDING HOSE WITH FITTINGS



Depending on customer's requirement, fitting can be made to meet the **standards of UNF or BSP**. Fittings material is made from brass.

# WELDING & CUTTING HOSE (Oxygen & LPG)

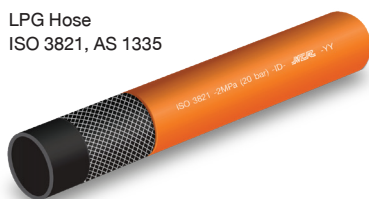


|                      |  |
|----------------------|--|
| <b>Applications</b>  | For use with welding and allied processes in workshops, shipyards, construction sites and factories. |
| <b>Tube</b>          | High ignition temperature synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Excellent ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | ISO 3821 -2MPa (20 bar) -ID- <i>INTER</i> -YY  |



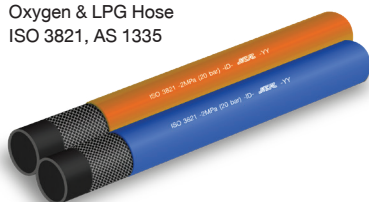
- Blue (Oxygen)
- Orange (LPG)

LPG Hose  
ISO 3821, AS 1335



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 3/16       | 5  | 5.0  | 12.0 | 20  | 300 | 60  | 900 | 100 | AXXL05OSJ01  |
| 1/4        | 6  | 6.3  | 13.3 | 20  | 300 | 60  | 900 | 100 | AXXL06OSJ01  |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 100 | AXXL08OSJ01  |
| 3/8        | 10 | 10.0 | 17.0 | 20  | 300 | 60  | 900 | 100 | AXXL10OSJ01  |

Oxygen & LPG Hose  
ISO 3821, AS 1335



| Nominal ID |       | ID        | OD        | WP  |     | BP  |     | L   | Product code |
|------------|-------|-----------|-----------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm    | mm        | mm        | bar | PSI | bar | PSI | m   |              |
| 3/16+3/16  | 5+5   | 5.0+5.0   | 12.0+12.0 | 20  | 300 | 60  | 900 | 100 | AXXT559SJ01  |
| 1/4+1/4    | 6+6   | 6.3+6.3   | 13.3+13.3 | 20  | 300 | 60  | 900 | 100 | AXXT665SJ01  |
| 5/16+5/16  | 8+8   | 8.0+8.0   | 15.0+15.0 | 20  | 300 | 60  | 900 | 100 | AXXT885SJ01  |
| 3/8+3/8    | 10+10 | 10.0+10.0 | 17.0+17.0 | 20  | 300 | 60  | 900 | 100 | AXXT005SJ01  |

## GAS HOSE (N<sub>2</sub>, Ar, CO<sub>2</sub>)



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For use with welding and allied processes in workshops, shipyards, construction sites and factories. |
| <b>Tube</b>          | High ignition temperature synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Excellent ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | ISO 3821 -2MPa (20 bar) -ID- <i>INTER</i> -YY  |



ISO 3821



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 3/16       | 5  | 5.0  | 12.0 | 20  | 300 | 60  | 900 | 100 | AXXS05BSJ02  |
| 1/4        | 6  | 6.3  | 13.3 | 20  | 300 | 60  | 900 | 100 | AXXS06BSJ02  |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 100 | AXXS08BSJ01  |
| 3/8        | 10 | 10.0 | 17.0 | 20  | 300 | 60  | 900 | 100 | AXXS10BSJ01  |

# WELDING & CUTTING HOSE (Oxygen & Universal Fuel Gas)

Air Hose

Water Hose



|                      |  |
|----------------------|--|
| <b>Applications</b>  | Designed for the transport of all type of gases and liquid gases, including hydrogen, propane/butane, natural gas, DMF, MPS and LPG. |
| <b>Tube</b>          | High ignition temperature synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | <b>INTER</b> UNIVERSAL FUEL GASES IDmm 2MPa(20 bar) ISO3821-YY   |

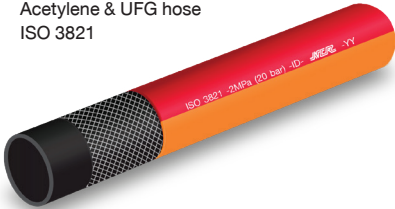
Gas & Welding Hose



- Blue (Oxygen)
- Red (Acetylene)
- Orange (LPG)

Abrasive Material Hose

Acetylene & UFG hose  
ISO 3821

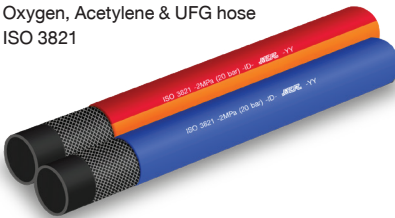


| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code<br>Red/Orange |
|------------|----|------|------|-----|-----|-----|-----|-----|----------------------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |                            |
| 3/16       | 5  | 5.0  | 11.2 | 20  | 300 | 60  | 900 | 100 | AZNS05ZSJ01                |
| 1/4        | 6  | 6.3  | 12.9 | 20  | 300 | 60  | 900 | 100 | AZNS06ZSJ01                |
| 5/16       | 8  | 8.0  | 14.6 | 20  | 300 | 60  | 900 | 100 | AZNS08ZSJ01                |
| 3/8        | 9  | 9.5  | 16.3 | 20  | 300 | 60  | 900 | 100 | AZNS09ZSJ01                |
| 1/2        | 12 | 12.7 | 21.1 | 20  | 300 | 60  | 900 | 100 | AZNS12ZSJ01                |
| 3/4        | 19 | 19.0 | 29.3 | 20  | 300 | 60  | 900 | 100 | AZNS19ZSJ01                |

Oil / Petroleum Hose

Chemical Hose

Oxygen, Acetylene & UFG hose  
ISO 3821

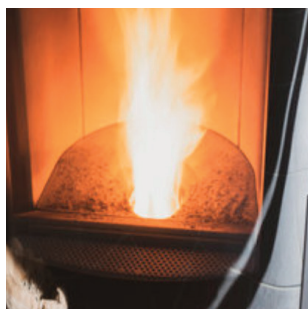


| Nominal ID |     | ID      | OD        | WP  |     | BP  |     | L   | Product code |
|------------|-----|---------|-----------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm  | mm      | mm        | bar | PSI | bar | PSI | m   |              |
| 3/16+3/16  | 5+5 | 5.0+5.0 | 11.2+11.2 | 20  | 300 | 60  | 900 | 100 | AZNT550SJ01  |
| 1/4+1/4    | 6+6 | 6.3+6.3 | 13.3+13.3 | 20  | 300 | 60  | 900 | 100 | AZNT660SJ01  |
| 1/4+3/8    | 6+9 | 6.3+9.5 | 14.2+16.1 | 20  | 300 | 60  | 900 | 100 | AZNT690SJ01  |
| 5/16+3/8   | 8+9 | 8.0+9.5 | 15.5+16.1 | 20  | 300 | 60  | 900 | 100 | AZNT890SJ01  |

Automotive Hose



# PROPANE / BUTANE HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For discharge of propane/butane, liquefied petroleum gas (LPG). Excellent flame and heat resistance<br>Typical use for Heaters, Barbecues, Caravan installations and Weed burners. |
| <b>Tube</b>          | Synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile spiral yarn   |
| <b>Cover</b>         | Excellent oil, ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <i>JNTER</i> - BS EN 16436-1:2014+A1:2015 - IDmm - 10bar -PROPANE/BUTANE - PROD DATE : YYYY  |

Air Hose

Water Hose

Gas & Welding Hose

Abrasive Material Hose

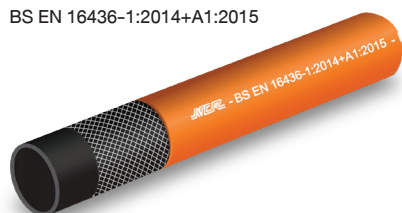
Oil / Petroleum Hose

Chemical Hose

Automotive Hose



BS EN 16436-1:2014+A1:2015



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 3/16       | 5  | 5.0  | 12.0 | 10  | 150 | 30  | 450 | 100 | AZNL05OSJ01  |
| 1/4        | 6  | 6.3  | 13.3 | 10  | 150 | 30  | 450 | 100 | AZNL06OSJ01  |
| 5/16       | 8  | 8.0  | 15.0 | 10  | 150 | 30  | 450 | 100 | AZNL08OSJ01  |
| 3/8        | 9  | 9.0  | 16.0 | 10  | 150 | 30  | 450 | 100 | AZNL09OSJ01  |
| 1/2        | 12 | 12.5 | 22.5 | 10  | 150 | 30  | 450 | 100 | AZNL12OSJ01  |

# LPG STOVE HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For use with the stove gas to discharge of liquefied petroleum gas (LPG). Excellent flame and heat resistance, and able to withstand severe bends without kinking. |
| <b>Tube</b>          | Synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Excellent oil, ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <i>JNTER</i> <b>LPG HOSE</b> w/o fitting ID 9.5 mm WP 2MPa (20 bar) ♦ TIS. 895 - 2561 (2018)   |



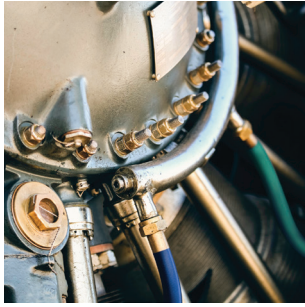
TIS. 895-2561 (2018)  
SNI 7213:2014



| Nominal ID |    | ID  | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|-----|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm  | mm   | bar | PSI | bar | PSI | m   |              |
| 3/8        | 10 | 9.8 | 17.8 | 20  | 300 | 60  | 900 | 50  | AZNL100SE01  |
| 3/8        | 10 | 9.8 | 17.8 | 20  | 300 | 60  | 900 | 100 | AZNL100SJ03  |
| 3/8        | 10 | 9.8 | 17.8 | 20  | 300 | 60  | 900 | 2   | AZNL100SA71* |

\*Packaging includes stainless steel hose clamps.

# NEO INDUSTRIAL HOSE (COLOR HOSE)



## Applications

A premium quality fluid hose for a wide variety of uses. Suitable for conveying gases and liquids including hydrogen, nitrogen, argon, fuel gas such as acetylene, LPG, MPS, natural gas and methane in manufacturing factories.  
Available in several colors for application coding.

## Tube

Oil mist resistant synthetic rubber

## Reinforcement

High tensile synthetic textile filament yarn

## Cover

Excellent ozone and weather resistant synthetic rubber

## Marking

**JNTER** NEO - INDUSTRIAL HOSE -IDmm- WP 2.0 MPa (20 bar)



Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

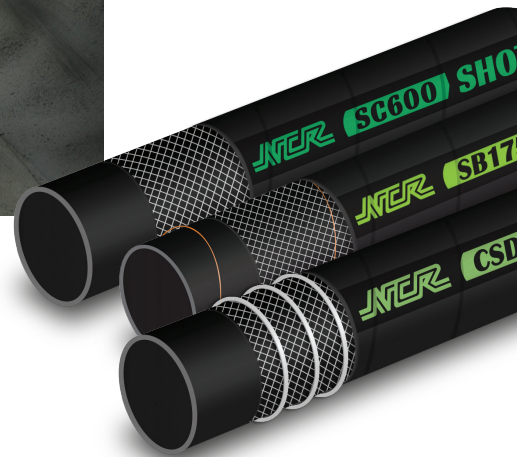


| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |             |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|-------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   | Blue         | Orange      |
| 3/16       | 5  | 5.1  | 11.2 | 20  | 300 | 60  | 900 | 100 | AXXS05USJ01  | AXXS05OSJ01 |
| 1/4        | 6  | 6.3  | 13.4 | 20  | 300 | 60  | 900 | 100 | AXXS06USJ01  | AXXS06OSJ01 |
| 5/16       | 8  | 7.9  | 15.1 | 20  | 300 | 60  | 900 | 100 | AXXS07USJ01  | AXXS07OSJ01 |
| 3/8        | 9  | 9.5  | 17.4 | 20  | 300 | 60  | 900 | 100 | AXXS09USJ02  | AXXS09OSJ01 |
| 1/2        | 12 | 12.7 | 21.1 | 20  | 300 | 60  | 900 | 100 | AXXS12USJ01  | AXXS12OSJ01 |
| 5/8        | 16 | 15.9 | 25.7 | 20  | 300 | 60  | 900 | 100 | AXXS15USJ01  | AXXS15OSJ01 |
| 3/4        | 19 | 19.0 | 29.3 | 20  | 300 | 60  | 900 | 50  | AXXS19USE01  | AXXS19OSE01 |
| 1          | 25 | 25.4 | 36.2 | 20  | 300 | 50  | 750 | 50  | AXXS25USE01  | AXXS25OSE01 |

| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |             |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|-------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   | Green        | Red         |
| 3/16       | 5  | 5.1  | 11.2 | 20  | 300 | 60  | 900 | 100 | AXXS05GSJ01  | AXXS05RSJ01 |
| 1/4        | 6  | 6.3  | 13.4 | 20  | 300 | 60  | 900 | 100 | AXXS06GSJ01  | AXXS06RSJ01 |
| 5/16       | 8  | 7.9  | 15.1 | 20  | 300 | 60  | 900 | 100 | AXXS07GSJ01  | AXXS07RSJ01 |
| 3/8        | 9  | 9.5  | 17.4 | 20  | 300 | 60  | 900 | 100 | AXXS09GSJ02  | AXXS09RSJ01 |
| 1/2        | 12 | 12.7 | 21.1 | 20  | 300 | 60  | 900 | 100 | AXXS12GSJ01  | AXXS12RSJ01 |
| 5/8        | 16 | 15.9 | 25.7 | 20  | 300 | 60  | 900 | 100 | AXXS15GSJ01  | AXXS15RSJ01 |
| 3/4        | 19 | 19.0 | 29.3 | 20  | 300 | 60  | 900 | 50  | AXXS19GSE01  | AXXS19RSE01 |
| 1          | 25 | 25.4 | 36.2 | 20  | 300 | 50  | 750 | 50  | AXXS25GSE01  | AXXS25RSE01 |



# ABRASIVE MATERIAL HOSE



# CEMENT DELIVERY HOSE

Air Hose

Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For discharge of cement and abrasive slurry materials. Abrasion resistant refer to DIN 53516 |
| <b>Tube</b>          | Excellent abrasion resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric  |
| <b>Cover</b>         | High abrasion and weather resistant synthetic rubber   |
| <b>Marking</b>       | <i>JINTER</i> <b>CD150</b> CEMENT DELIVERY HOSE - HEAVY DUTY - BP 450PSI - WP 150PSI         |



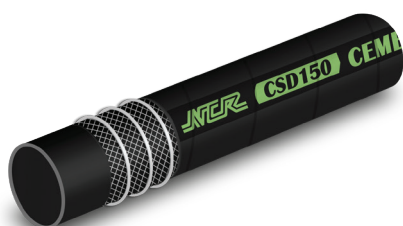
| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 3          | 76  | 76.2  | 97.2  | 10  | 150 | 30  | 450 | BC-42001     | BC-62001 |
| 4          | 102 | 101.6 | 122.0 | 10  | 150 | 30  | 450 | BC-42002     | BC-62002 |
| 5          | 127 | 127.0 | 149.0 | 10  | 150 | 30  | 450 | BC-42003     | BC-62003 |

\*For sizes other than listed above, please contact us\*

# CEMENT SUCTION & DISCHARGE HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For suction and discharge of cement and abrasive slurry materials. Abrasion resistant refer to DIN 53516 |
| <b>Tube</b>          | Excellent abrasion resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire   |
| <b>Cover</b>         | High abrasion and weather resistant synthetic  |
| <b>Marking</b>       | <i>JINTER</i> <b>CSD150</b> CEMENT SUCTION & DISCHARGE HOSE - BP 450PSI - WP 150PSI                      |



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 3          | 76  | 76.2  | 98.0  | 10  | 150 | 30  | 450 | BC-41001     | BC-61001 |
| 4          | 102 | 101.6 | 125.8 | 10  | 150 | 30  | 450 | BC-41002     | BC-61002 |
| 5          | 127 | 127.0 | 152.0 | 10  | 150 | 30  | 450 | BC-41003     | BC-61003 |
| 6          | 152 | 152.4 | 180.0 | 10  | 150 | 30  | 450 | BC-41004     | BC-61004 |

\*For sizes other than listed above, please contact us\*



# SHOTCRETE HOSE / GROUT HOSE



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For spraying of cement and abrasive slurry materials such as concrete, gypsum, plaster, grout and mortar.<br>For use in heavy construction sites. Excellent kinking resistance. |
| <b>Tube</b>          | Excellent abrasion resistant synthetic rubber (Referring to DIN 53516)  |
| <b>Reinforcement</b> | High tensile synthetic fabric   |
| <b>Cover</b>         | High abrasion and weather resistant synthetic rubber  |
| <b>Marking</b>       | <b>JNER SC600 SHOTCRETE HOSE - BP 1800PSI - WP 600PSI</b>   |



| Nominal ID | ID  | OD    | WP    |     | BP  |     | Product code |          |          |
|------------|-----|-------|-------|-----|-----|-----|--------------|----------|----------|
|            |     |       | bar   | PSI | bar | PSI | 40M          | 60M      |          |
| 1          | 25  | 25.4  | 39.0  | 40  | 600 | 120 | 1800         | BX-41001 | BX-61001 |
| 1.1/2      | 38  | 38.0  | 54.0  | 40  | 600 | 120 | 1800         | BX-41002 | BX-61002 |
| 2          | 51  | 50.8  | 68.0  | 40  | 600 | 120 | 1800         | BX-41003 | BX-61003 |
| 2.1/2      | 63  | 63.5  | 83.0  | 40  | 600 | 120 | 1800         | BX-41004 | BX-61004 |
| 3          | 76  | 76.2  | 98.0  | 40  | 600 | 120 | 1800         | BX-41005 | BX-61005 |
| 4          | 102 | 101.6 | 122.0 | 40  | 600 | 120 | 1800         | BX-41006 | BX-61006 |
| 5          | 127 | 127.0 | 149.0 | 40  | 600 | 120 | 1800         | BX-41007 | BX-61007 |



\*For sizes other than listed above, please contact us\*

# SANDBLAST HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For conveying abrasive sandblasting materials in cleaning and blasting metal, casting and concrete surfaces. |
| <b>Tube</b>          | Excellent abrasion resistant synthetic rubber<br><b>*Abrasion resistance : DIN 53516 ≤ 60mm<sup>3</sup></b>  |
| <b>Reinforcement</b> | High tensile synthetic fabric  |
| <b>Cover</b>         | High abrasion and weather resistant synthetic rubber   |
| <b>Marking</b>       | <b>JNER SB175 SANDBLAST HOSE - HEAVY DUTY - BP 530PSI - WP 175PSI</b>  |



| Nominal ID | ID  | OD    | WP    |     | BP  |     | Product code |          |          |
|------------|-----|-------|-------|-----|-----|-----|--------------|----------|----------|
|            |     |       | bar   | PSI | bar | PSI | 40M          | 60M      |          |
| 1/2        | 13  | 13.0  | 29.0  | 12  | 175 | 36  | 530          | BA-52001 | BA-62001 |
| 3/4        | 19  | 19.0  | 33.0  | 12  | 175 | 36  | 530          | BA-52002 | BA-62002 |
| 1          | 25  | 25.4  | 39.0  | 12  | 175 | 36  | 530          | BA-52003 | BA-62003 |
| 1.1/4      | 32  | 32.0  | 48.0  | 12  | 175 | 36  | 530          | BA-52004 | BA-62004 |
| 1.1/2      | 38  | 38.0  | 54.0  | 12  | 175 | 36  | 530          | BA-52005 | BA-62005 |
| 2          | 51  | 50.8  | 69.0  | 12  | 175 | 36  | 530          | BA-52006 | BA-62006 |
| 2.1/2      | 63  | 63.5  | 82.0  | 12  | 175 | 36  | 530          | BA-52007 | BA-62007 |
| 3          | 76  | 76.2  | 96.0  | 12  | 175 | 36  | 530          | BA-52008 | BA-62008 |
| 4          | 102 | 101.6 | 122.0 | 12  | 175 | 36  | 530          | BA-52009 | BA-62009 |

ISO 3861\*



\*ISO 3861 is available upon request\*

\*For sizes other than listed above, please contact us\*

# SAND SUCTION & DISCHARGE HOSE

Air Hose

Water Hose



Gas & Welding  
Hose

Abrasive Material  
Hose



Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose



**Applications** For suction and discharge of sand and abrasive slurry materials.

**Tube** Excellent abrasion resistant synthetic rubber

**Reinforcement** High tensile synthetic fabric with steel wire

**Cover** High abrasion and weather resistant synthetic rubber

**Marking** **JNTER SAND SUCTION & DISCHARGE HOSE**



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | L | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|---|--------------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | M |              |
| 6.1/2      | 165 | 165.1 | 209.1 | 10  | 150 | 30  | 450 | 3 | BM-41002     |
| 6.1/2      | 165 | 165.1 | 209.1 | 10  | 150 | 30  | 450 | 4 | BM-41003     |
| 8.5/8      | 219 | 219.1 | 276.3 | 10  | 150 | 30  | 450 | 3 | BM-41007     |
| 8.5/8      | 219 | 219.1 | 276.3 | 10  | 150 | 30  | 450 | 4 | BM-41008     |
| 8.5/8      | 219 | 219.1 | 339.7 | 10  | 150 | 30  | 450 | 6 | BM-41010     |
| 10.5/8     | 270 | 269.9 | 339.7 | 10  | 150 | 30  | 450 | 2 | BM-41011     |
| 10.5/8     | 270 | 269.9 | 339.7 | 10  | 150 | 30  | 450 | 3 | BM-41012     |
| 10.5/8     | 270 | 269.9 | 339.7 | 10  | 150 | 30  | 450 | 4 | BM-41013     |
| 10.5/8     | 270 | 269.9 | 339.7 | 10  | 150 | 30  | 450 | 5 | BM-41014     |
| 10.5/8     | 270 | 269.9 | 339.7 | 10  | 150 | 30  | 450 | 6 | BM-41015     |
| 12.3/4     | 324 | 323.9 | 400.1 | 10  | 150 | 30  | 450 | 3 | BM-41017     |
| 12.3/4     | 324 | 323.9 | 400.1 | 10  | 150 | 30  | 450 | 4 | BM-41018     |

\*For sizes other than listed above, please contact us\*





# OIL / PETROLEUM HOSE



# OIL DELIVERY HOSE

- Air Hose
- Water Hose
- Gas & Welding Hose
- Abrasive Material Hose
- Oil / Petroleum Hose**
- Chemical Hose
- Automotive Hose

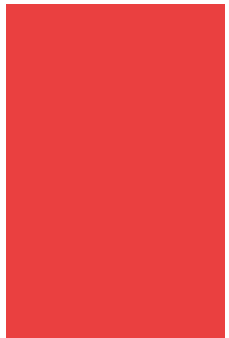


|                      |   |
|----------------------|---|
| <b>Applications</b>  | For discharge of oil and some chemicals in refineries, factories and vessels. |
| <b>Tube</b>          | Oil resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic fabric   |
| <b>Cover</b>         | Weather, ozone and oil resistant synthetic rubber                             |
| <b>Marking</b>       | <b>JNTER ODI50 OIL DELIVERY HOSE - BP 450PSI - WP 150PSI</b>                  |



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 1          | 25  | 25.4  | 35.0  | 10  | 150 | 30  | 450 | BL-52001     | BL-62001 |
| 1.1/4      | 32  | 32.0  | 42.0  | 10  | 150 | 30  | 450 | BL-52002     | BL-62002 |
| 1.3/8      | 35  | 35.0  | 45.0  | 10  | 150 | 30  | 450 | BL-52003     | BL-62003 |
| 1.1/2      | 38  | 38.0  | 48.0  | 10  | 150 | 30  | 450 | BL-52004     | BL-62004 |
| 1.3/4      | 44  | 44.5  | 55.0  | 10  | 150 | 30  | 450 | BL-52005     | BL-62005 |
| 2          | 51  | 50.8  | 62.0  | 10  | 150 | 30  | 450 | BL-52006     | BL-62006 |
| 2.1/2      | 63  | 63.5  | 75.0  | 10  | 150 | 30  | 450 | BL-52007     | BL-62007 |
| 3          | 76  | 76.2  | 88.0  | 10  | 150 | 30  | 450 | BL-52008     | BL-62008 |
| 4          | 102 | 101.6 | 116.0 | 10  | 150 | 30  | 450 | BL-52009     | BL-62009 |
| 5          | 127 | 127.0 | 143.0 | 10  | 150 | 30  | 450 | BL-52010     | BL-62010 |
| 6          | 152 | 152.4 | 168.0 | 10  | 150 | 30  | 450 | BL-52011     | BL-62011 |

\*For sizes other than listed above, please contact us\*



# OIL SUCTION & DISCHARGE HOSE 150PSI



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For suction and discharge of petroleum products, of up to 50% aromatic contents, in refineries, factories and vessels. |
| <b>Tube</b>          | Oil resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire   |
| <b>Cover</b>         | Weather, ozone and oil resistant synthetic rubber  |
| <b>Marking</b>       | <b>JNTER OSD150 OIL SUCTION &amp; DISCHARGE HOSE - BP 450PSI - WP 150PSI</b>   |



Smooth



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 1          | 25  | 25.4  | 36.4  | 10  | 150 | 30  | 450 | BI-51101     | BI-61101 |
| 1.1/4      | 32  | 32.0  | 43.0  | 10  | 150 | 30  | 450 | BI-51102     | BI-61102 |
| 1.1/2      | 38  | 38.0  | 50.0  | 10  | 150 | 30  | 450 | BI-51103     | BI-61103 |
| 2          | 51  | 50.8  | 62.8  | 10  | 150 | 30  | 450 | BI-51104     | BI-61104 |
| 2.1/2      | 63  | 63.5  | 78.3  | 10  | 150 | 30  | 450 | BI-51105     | BI-61105 |
| 3          | 76  | 76.2  | 91.0  | 10  | 150 | 30  | 450 | BI-51106     | BI-61106 |
| 3.1/2      | 90  | 88.9  | 103.7 | 10  | 150 | 30  | 450 | BI-51107     | BI-61107 |
| 4          | 102 | 101.6 | 117.6 | 10  | 150 | 30  | 450 | BI-51108     | BI-61108 |
| 5          | 127 | 127.0 | 147.8 | 10  | 150 | 30  | 450 | BI-51109     | BI-61109 |
| 6          | 152 | 152.4 | 175.2 | 10  | 150 | 30  | 450 | BI-51110     | BI-61110 |

\*For sizes other than listed above, please contact us\*

Flat-Corrugated



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |           |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|-----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M       |
| 1.1/4      | 32  | 32.0  | 42.8  | 10  | 150 | 30  | 450 | BI-21002     | BI-61102C |
| 1.1/2      | 38  | 38.0  | 51.0  | 10  | 150 | 30  | 450 | BI-21003     | BI-61103C |
| 2          | 51  | 50.8  | 62.6  | 10  | 150 | 30  | 450 | BI-21004     | BI-61104C |
| 2.1/2      | 63  | 63.5  | 77.9  | 10  | 150 | 30  | 450 | BI-21005     | BI-61105C |
| 3          | 76  | 76.2  | 90.6  | 10  | 150 | 30  | 450 | BI-21006     | BI-61106C |
| 3.1/2      | 90  | 88.9  | 104.0 | 10  | 150 | 30  | 450 | BI-21007     | BI-61107C |
| 4          | 102 | 101.6 | 120.0 | 10  | 150 | 30  | 450 | BI-21008     | BI-61108C |
| 5          | 127 | 127.0 | 148.0 | 10  | 150 | 30  | 450 | BI-21009     | BI-61109C |
| 6          | 152 | 152.4 | 175.2 | 10  | 150 | 30  | 450 | BI-21010     | BI-61110C |

\*For sizes other than listed above, please contact us\*

# OIL SUCTION & DISCHARGE HOSE 250PSI

Air Hose

Water Hose



Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

## Applications

For suction and discharge of petroleum products, of up to 50% aromatic contents, in refineries, factories and vessels.

## Tube

Oil resistant synthetic rubber

## Reinforcement

High tensile synthetic fabric with steel helical embedded wire

## Cover

Weather, ozone and oil resistant synthetic rubber

## Marking

**JNER OSD250 OIL SUCTION & DISCHARGE HOSE - BP 750PSI - WP 250PSI**



Smooth



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 1          | 25  | 25.4  | 37.0  | 17  | 250 | 51  | 750 | BI-51211     | BI-61211 |
| 1.1/4      | 32  | 32.0  | 44.0  | 17  | 250 | 51  | 750 | BI-51212     | BI-61212 |
| 1.1/2      | 38  | 38.0  | 51.0  | 17  | 250 | 51  | 750 | BI-51213     | BI-61213 |
| 2          | 51  | 50.8  | 65.0  | 17  | 250 | 51  | 750 | BI-51214     | BI-61214 |
| 2.1/2      | 63  | 63.5  | 79.5  | 17  | 250 | 51  | 750 | BI-51215     | BI-61215 |
| 3          | 76  | 76.2  | 92.2  | 17  | 250 | 51  | 750 | BI-51216     | BI-61216 |
| 3.1/2      | 90  | 88.9  | 106.9 | 17  | 250 | 51  | 750 | BI-51217     | BI-61217 |
| 4          | 102 | 101.6 | 118.8 | 17  | 250 | 51  | 750 | BI-51218     | BI-61218 |
| 5          | 127 | 127.0 | 147.4 | 17  | 250 | 51  | 750 | BI-51219     | BI-61219 |
| 6          | 152 | 152.4 | 177.2 | 17  | 250 | 51  | 750 | BI-51220     | BI-61220 |

\*For sizes other than listed above, please contact us\*

Flat-Corrugated



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |           |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|-----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M       |
| 1          | 25  | 25.4  | 37.0  | 17  | 250 | 51  | 750 | BI-51211C    | BI-61211C |
| 1.1/4      | 32  | 32.0  | 44.0  | 17  | 250 | 51  | 750 | BI-51212C    | BI-61212C |
| 1.1/2      | 38  | 38.0  | 51.0  | 17  | 250 | 51  | 750 | BI-51213C    | BI-61213C |
| 2          | 51  | 50.8  | 65.0  | 17  | 250 | 51  | 750 | BI-51214C    | BI-61214C |
| 2.1/2      | 63  | 63.5  | 79.5  | 17  | 250 | 51  | 750 | BI-51215C    | BI-61215C |
| 3          | 76  | 76.2  | 92.2  | 17  | 250 | 51  | 750 | BI-51216C    | BI-61216C |
| 3.1/2      | 90  | 88.9  | 106.9 | 17  | 250 | 51  | 750 | BI-51217C    | BI-61217C |
| 4          | 102 | 101.6 | 118.8 | 17  | 250 | 51  | 750 | BI-51218C    | BI-61218C |
| 5          | 127 | 127.0 | 147.4 | 17  | 250 | 51  | 750 | BI-51219C    | BI-61219C |
| 6          | 152 | 152.4 | 177.2 | 17  | 250 | 51  | 750 | BI-51220C    | BI-61220C |

\*For sizes other than listed above, please contact us\*

# ROAD & RAIL TANKER HOSE / TANK TRUCK HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For loading and unloading oil from tank truck.                                 |
| <b>Tube</b>          | Oil resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire                 |
| <b>Cover</b>         | Weather and oil resistant synthetic rubber                                     |
| <b>Marking</b>       | <b>JNER RT150 ROAD &amp; RAIL TANKER HOSE - BS3492 - BP 450PSI - WP 150PSI</b> |



BS 3492  
Smooth



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |          |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M      |
| 1          | 25  | 25.4  | 36.2  | 10  | 150 | 30  | 450 | BI-41001     | BI-61301 |
| 1.1/4      | 32  | 32.0  | 43.0  | 10  | 150 | 30  | 450 | BI-41002     | BI-61302 |
| 1.3/8      | 35  | 35.0  | 47.0  | 10  | 150 | 30  | 450 | BI-41003     | BI-61303 |
| 1.1/2      | 38  | 38.0  | 50.0  | 10  | 150 | 30  | 450 | BI-41004     | BI-61304 |
| 1.3/4      | 44  | 44.5  | 56.5  | 10  | 150 | 30  | 450 | BI-41005     | BI-61305 |
| 2          | 51  | 50.8  | 63.0  | 10  | 150 | 30  | 450 | BI-41006     | BI-61306 |
| 2.1/2      | 63  | 63.5  | 78.0  | 10  | 150 | 30  | 450 | BI-41007     | BI-61307 |
| 3          | 76  | 76.2  | 91.0  | 10  | 150 | 30  | 450 | BI-41008     | BI-61308 |
| 4          | 102 | 101.6 | 120.0 | 10  | 150 | 30  | 450 | BI-41009     | BI-61309 |

\*For sizes other than listed above, please contact us\*

BS 3492  
Flat-Corrugated



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |           |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|-----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M       |
| 1          | 25  | 25.4  | 36.2  | 10  | 150 | 30  | 450 | BI-41001C    | BI-61301C |
| 1.1/4      | 32  | 32.0  | 43.0  | 10  | 150 | 30  | 450 | BI-41002C    | BI-61302C |
| 1.3/8      | 35  | 35.0  | 47.0  | 10  | 150 | 30  | 450 | BI-41003C    | BI-61303C |
| 1.1/2      | 38  | 38.0  | 50.0  | 10  | 150 | 30  | 450 | BI-41004C    | BI-61304C |
| 1.3/4      | 44  | 44.5  | 56.5  | 10  | 150 | 30  | 450 | BI-41005C    | BI-61305C |
| 2          | 51  | 50.8  | 63.0  | 10  | 150 | 30  | 450 | BI-41006C    | BI-61306C |
| 2.1/2      | 63  | 63.5  | 78.0  | 10  | 150 | 30  | 450 | BI-41007C    | BI-61307C |
| 3          | 76  | 76.2  | 91.0  | 10  | 150 | 30  | 450 | BI-41008C    | BI-61308C |
| 4          | 102 | 101.6 | 120.0 | 10  | 150 | 30  | 450 | BI-41009C    | BI-61309C |

\*For sizes other than listed above, please contact us\*

# PETROL PUMP HOSE

Air Hose

Water Hose



Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose

|                      |  |
|----------------------|--|
| <b>Applications</b>  | For dispensing petrol.   |
| <b>Tube</b>          | Petrol resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn, with built-in conductive wire to provide electrical continuity |
| <b>Cover</b>         | Petrol, ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | <i>JNTER</i> PETROL PUMP HOSE BS 3395/1 ID MM  |



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 5/8        | 16 | 16.0 | 26.0 | 10  | 150 | 40  | 600 | 60 | AZNP16BSF01  |
| 3/4        | 19 | 19.0 | 32.0 | 10  | 150 | 40  | 600 | 60 | AZNP19BSF01  |
| 1          | 25 | 25.4 | 38.0 | 10  | 150 | 40  | 600 | 30 | AZNP25BSC01  |

\*For sizes other than listed above, please contact us\*

# MULTI-PURPOSE HOSE

|                      |  |
|----------------------|--|
| <b>Applications</b>  | A premium quality hose for multi-purpose applications. Suitable for conveying air, water, fuel, oil and other common solvents. |
| <b>Tube</b>          | Oil resistant synthetic rubber.  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn.  |
| <b>Cover</b>         | Oil and weather resistant synthetic rubber.  |
| <b>Marking</b>       | <i>JNTER</i> MULTI-PURPOSE HOSE ID" (ID MM) WP 300 PSI   |



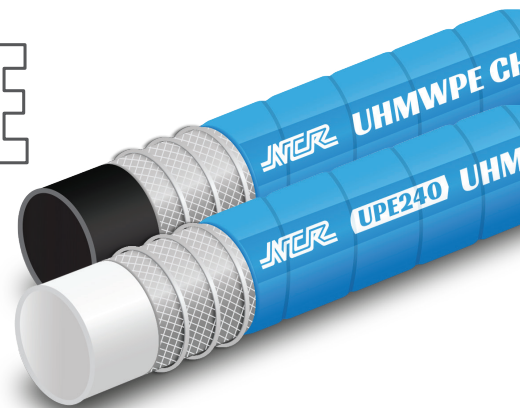
| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m   |              |
| 1/4        | 6  | 6.3  | 13.5 | 20  | 300 | 60  | 900 | 100 | AXXM06RSJ01  |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 100 | AXXM08RSJ01  |
| 3/8        | 9  | 9.5  | 17.5 | 20  | 300 | 60  | 900 | 100 | AXXM09RSJ01  |
| 1/2        | 12 | 12.7 | 21.0 | 20  | 300 | 60  | 900 | 100 | AXXM12RSJ01  |
| 5/8        | 16 | 16.0 | 24.0 | 20  | 300 | 60  | 900 | 100 | AXXM16RSJ01  |
| 3/4        | 19 | 19.0 | 29.0 | 20  | 300 | 60  | 900 | 100 | AXXM19RSJ01  |
| 1          | 25 | 25.4 | 36.0 | 20  | 300 | 50  | 750 | 100 | AXXM25RSJ01  |

\*For sizes other than listed above, please contact us\*





# CHEMICAL HOSE



# UHMWPE CHEMICAL SUCTION & DISCHARGE HOSE

- Air Hose
- Water Hose
- Gas & Welding Hose
- Abrasive Material Hose
- Oil / Petroleum Hose
- Chemical Hose
- Automotive Hose



|                      |   |
|----------------------|---|
| <b>Applications</b>  | Designed to handle wide range of chemicals, solvents and corrosive liquids in both suction and discharge service. |
| <b>Tube</b>          | Ultra high molecular weight polyethylene (UHMWPE)   |
| <b>Reinforcement</b> | High tensile synthetic fabric with steel helical embedded wire  |
| <b>Cover</b>         | EPDM rubber – High chemical, ozone and weather resistant synthetic rubber   |



IVORY WHITE TUBE



**Marking** *JNER UPE240 UHMWPE CHEMICAL S&D HOSE - BP 960PSI - WP240PSI*

| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | Product code |           |
|------------|-----|-------|-------|-----|-----|-----|-----|--------------|-----------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | 40M          | 60M       |
| 1          | 25  | 25.4  | 37.4  | 16  | 240 | 64  | 960 | BB-41002U    | BB-61002U |
| 1.1/4      | 32  | 31.8  | 43.8  | 16  | 240 | 64  | 960 | BB-41003U    | BB-61003U |
| 1.1/2      | 38  | 38.1  | 50.5  | 16  | 240 | 64  | 960 | BB-41004U    | BB-61004U |
| 2          | 51  | 50.8  | 63.2  | 16  | 240 | 64  | 960 | BB-41005U    | BB-61005U |
| 2.1/2      | 63  | 63.5  | 77.1  | 16  | 240 | 64  | 960 | BB-41006U    | BB-61006U |
| 3          | 76  | 76.2  | 91.0  | 16  | 240 | 64  | 960 | BB-41007U    | BB-61007U |
| 4          | 102 | 101.6 | 118.0 | 16  | 240 | 64  | 960 | BB-41009U    | BB-61009U |

\*For sizes other than listed above, please contact us\*

BLACK TUBE



**Marking** *JNER UHMWPE CHEMICAL S&D HOSE IDmm 16 BAR W.P.*

| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | M  |              |
| 2          | 51 | 50.8 | 63.0 | 16  | 240 | 64  | 960 | 30 | BX-BB001     |
| 2.1/2      | 63 | 63.5 | 77.0 | 16  | 240 | 64  | 960 | 30 | BX-BB002     |
| 3          | 76 | 76.2 | 92.0 | 16  | 240 | 64  | 960 | 30 | BX-BB003     |

\*For sizes other than listed above, please contact us\*

**CAUTION:** Consult the chemical resistance chart and safety warning for each application. It is advisable to test the tube material under actual service conditions prior to initial use.

| Chemical or Material Conveyed | UHMWPE |   | Chemical or Material Conveyed | UHMWPE |   | Chemical or Material Conveyed | UHMWPE |   | Chemical or Material Conveyed   | UHMWPE |   |
|-------------------------------|--------|---|-------------------------------|--------|---|-------------------------------|--------|---|---------------------------------|--------|---|
|                               | E      | X |                               | E      | X |                               | E      | X |                                 | E      | X |
| ACETIC ACID, GLACIAL          | E      | E | CASTOR OIL                    | E      | E | HYDROGEN PEROXIDE 10%         | G      | G | SEWAGE                          | E      | E |
| ACETIC ACID-10%               | E      | E | CELLOSOLVE ACETATE            | E      | E | HYDROGEN PEROXIDE OVER 10%    | E      | C | SILICONE OIL                    | E      |   |
| ACETIC ACID-50%               | E      | G | CHLORINATED SOLVENTS          |        | G | HYDROGEN SULFIDE (WET)        | E      | E | SOAP SOLUTIONS                  | E      | E |
| ACETIC ANHYDRIDE              | G      | E | CHLOROACETIC ACID             | E      | E | ISOOCTANE                     | E      | E | SODA ASH                        | E      | E |
| ACETONE                       | E      | E | CHLOROSULFONIC ACID           | X      | X | ISOPROPYL ALCOHOL             | E      | E | SODIUM BICARBONATE              | E      | E |
| ACETYLENE                     | E      | E | CITRIC ACID                   | E      | E | JET FUELS                     | E      | E | SODIUM BISULFATE                | E      | E |
| AIR, +300F                    | X      |   | COAL OIL                      | E      | E | KEROSENE                      | E      | E | SODIUM CHLORIDE                 | E      | E |
| ALUMINUM CHLORIDE (AQ) - 40%  | E      | E | COAL TAR                      | E      | E | LACQUER SOLVENTS              | G      | G | SODIUM CYANIDE                  | E      | E |
| ALUMINUM FLUORIDE             | E      | E | COAL TAR NAPHTHA              |        | E | LACTIC ACID - COLD            | E      | E | SODIUM HYDROXIDE (CAUSTIC SODA) | E      | E |
| ALUMINUM SULFATE (AQ)         | E      | E | COKE OVEN GAS                 |        | E | LAVENDER OIL                  | G      | G | SODIUM HYPOCHLORITE             | E      | G |
| ALUMS-NH3-CR-K                | E      | E | COPPER CHLORIDE               | E      | E | LINSEED OIL                   | E      | E | SODIUM METAPHOSPHATE            | E      | E |
| AMMONIUM CHLORIDE (AQ)        | E      | E | COPPER SULFATE                | E      | E | LUBRICATING OILS, SAE         | E      | E | SODIUM NITRATE                  | E      | E |
| AMMONIUM HYDROXIDE            | E      | E | CORN OIL                      | E      | E | MAGNESIUM CHLORIDE            | E      | E | SODIUM PERBORATE                | E      | E |
| AMMONIUM NITRATE (AQ)         | E      | E | COTTONSEED OIL                | E      | E | MAGNESIUM HYDRATE             | E      |   | SODIUM PEROXIDE                 | E      | E |
| AMMONIUM PHOSPHATE, DIBASIC   | E      | E | CREOSOTE                      | E      | E | MAGNESIUM SULFATE             | E      | E | SODIUM PHOSPHATE                | E      | E |
| AMMONIUM SULPHATE (AQ)        | E      | E | CRESOLS                       | E      | E | MERCURY                       | E      | E | SODIUM SILICATE                 | E      |   |
| AMYL ACETATE                  | E      | E | CRUDE OIL                     | E      | E | METHYL ACETATE                | E      | E | SODIUM SULFATE                  | E      | E |
| AMYL ALCOHOL                  | E      | E | DICHLOROETHYL ETHER           |        | E | METHYL ACETONE                | E      |   | SODIUM SULFIDE                  | E      |   |
| ANILINE                       | E      | E | DIESEL OIL                    | E      | C | METHYL ALCOHOL                | E      | E | SODIUM THIOSULFATE              | E      | E |
| ANILINE DYES                  | E      | E | DIETHANOLAMINE                | E      |   | METHYL CHLORIDE               | E      | G | SOYBEAN OIL                     | E      | E |
| ANIMAL FATS                   | E      | E | DIETHYLAMINE                  | E      | C | METHYL ETHYL KETONE           | E      | E | STANNIC CHLORIDE                | E      | E |
| ASPHALT                       | X      | X | ETHYL ACETATE                 | E      | C | METHYL TERTIARY BUTYL ETHER   | G      |   | STEARIC ACID                    | E      | E |
| BANANA OIL                    | E      | E | ETHYL ALCOHOL                 | E      | E | MINERAL OIL                   | E      | E | SULFUR                          | E      | X |
| BARIUM CHLORIDE (AQ)          | E      | E | ETHYL CELLULOSE               | E      | E | NAPHTHA                       | E      | E | SULFUR CHLORIDE                 | E      | E |
| BARIUM HYDROXIDE (AQ)         | E      | E | ETHYL CHLORIDE                | G      | G | NAPHTHALENE                   | E      | E | SULFUR DIOXIDE                  | G      | C |
| BARIUM SULFIDE (AQ)           | E      | E | ETHYLENE GLYCOL               | E      | C | NICKEL CHLORIDE               | E      | E | SULFUR TRIOXIDE, DRY            | X      | G |
| BEER                          | E      | E | FATTY ACIDS                   | E      | E | NICKEL SULFATE                | E      | E | SULFURIC ACID 60% (200F)        | X      | X |
| BEET SUGAR LIQUORS            | E      | E | FERRIC CHLORIDE               | E      | E | NITROBENZENE                  | E      | E | SULFURIC ACID, 25%              | E      | E |
| BENZENE                       | E      | E | FERRIC SULFATE                | E      | E | NITROGEN                      | E      | E | SULFURIC ACID, 25% - 50%        | E      | E |
| BENZINE                       |        | E | FORMALDEHYDE                  | E      | E | OCTANOL                       | E      | E | SULFURIC ACID, 50% - 96%        | E      | E |
| BENZOL                        | G      |   | FORMALIN                      |        | E | OLEIC ACID                    | E      | E | SULFURIC ACID, CONC. 96% TO     | E      | C |
| BLACK SULFATE LIQUOR          | E      |   | FORMIC ACID                   | E      | E | OLEUM (FUMING SULFURIC ACID)  | X      | X | SULFURIC ACID, FUMING           | X      | X |
| BORAX SOLUTION                | E      | E | FUEL OIL                      | E      | E | OLIVE OIL                     | G      | C | SULFUROUS ACID, 10%             | E      | E |
| BORIC ACID                    | E      | E | FURFURAL                      | E      | E | OXALIC ACID                   | E      | C | SULFUROUS ACID, 10% - 85%       | E      | E |
| BUNKER OIL                    | E      | E | GALLIC ACID                   | E      | C | PALMITIC ACID                 | E      | G | TANNIC ACID                     | E      | E |
| BUTANE                        | E      | E | GASOLINE                      | G      | G | PARAFFIN WAX                  | E      | X | TARTARIC ACID                   | E      | E |
| BUTYL ACETATE                 | E      | E | GLUCOSE                       | E      | E | PENTACHLOROETHANE             |        | E | TOLUENE                         | E      | E |
| BUTYL ALCOHOL                 | E      | E | GLYCERINE                     | E      | C | PETROLEUM CRUDE               | E      | E | TRICHLOROETHYLENE               | G      | G |
| BUTYL CHLORIDE                | C      | G | GREASE, PETROLEUM BASE        | E      | G | PHENOL                        | E      | E | UREA                            | E      | E |
| CALCIUM CHLORIDE              | E      | E | GREEN SULFATE LIQUOR          | E      | E | PHOSPHORIC ACID 10%           | E      | E | VINEGAR                         | X      | X |
| CALCIUM HYDROXIDE             | E      | E | HYDRAULIC OIL, PETROLEUM      | E      | E | PINE OIL                      | E      | E | VINYL ACETATE                   | E      | E |
| CALCIUM HYPOCHLORITE          | C      | C | HYDROBROMIC ACID              | G      | C | POTASSIUM CHLORIDE            | E      |   | WATER                           | E      | E |
| CARBOLIC ACID (PHENOL)        | E      | E | HYDROCHLORIC ACID             | E      | E | POTASSIUM CYANIDE             | E      | E | WATER, BOILING                  | X      | X |
| CARBON DIOXIDE                | E      | E | HYDROCYANIC ACID              | E      |   | POTASSIUM HYDROXIDE           | G      | E | WHISKEY                         | X      | X |
| CARBON DISULFIDE              | E      | C | HYDROFLUORIC ACID             | E      | C | POTASSIUM SULFATE             | E      | E | WOOD ALCOHOL                    | E      | E |
| CARBON MONOXIDE               | E      | E | HYDROFLUOSILICIC ACID         | G      | C | PROPANOL                      |        | E | XYLENE, XYLOL                   | C      | C |
| CARBON TETRACHLORIDE          | G      | E | HYDROGEN GAS                  | E      | E | SEA WATER                     | E      | E |                                 |        |   |

Air Hose  
 Water Hose  
 Gas & Welding Hose  
 Abrasive Material Hose  
 Oil / Petroleum Hose  
 Chemical Hose  
 Automotive Hose

**KEY :** E = Excellent service; suitable for continuous use.

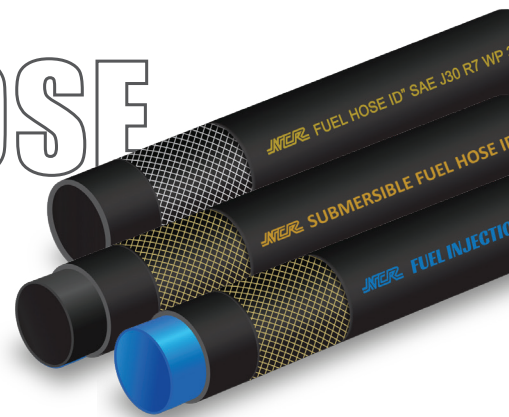
G = Good service; suitable for continuous use and suitable for intermittent use.

C = Conditional.

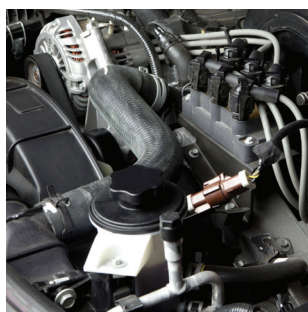
X = Not recommended.



# AUTOMOTIVE HOSE



# CAR HEATER HOSE



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For use in connecting engine heater system in the coolant circulating system. |
| <b>Tube</b>          | Glycol resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn                                  |
| <b>Cover</b>         | Oil and weather resistant synthetic rubber                                    |
| <b>Marking</b>       | <b>INTER</b> CAR HEATER HOSE ID" SAE J20 R3 D1 WP 75 PSI                      |



SAE J20 R3 D1



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 5/16       | 8  | 8.0  | 16.0 | 5   | 75  | 20  | 300 | 50 | AZNH08BSE01  |
| 3/8        | 9  | 9.5  | 17.5 | 5   | 75  | 20  | 300 | 50 | AZNH09BSE02  |
| 1/2        | 12 | 12.7 | 20.0 | 5   | 75  | 20  | 300 | 50 | AZNH12BSE01  |
| 5/8        | 16 | 16.0 | 24.0 | 5   | 75  | 20  | 300 | 50 | AZNH16BSE02  |
| 3/4        | 19 | 19.0 | 27.0 | 5   | 75  | 20  | 300 | 50 | AZNH19BSE01  |
| 1          | 25 | 25.4 | 36.0 | 5   | 75  | 20  | 300 | 50 | AZNH25BSE01  |

\*Also available in 20m lengths, please contact us\*

# CNG / LPG HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For conveying CNG (Compressed Natural Gas) or LPG (Liquefied Petroleum Gas) in automotive lines. |
| <b>Tube</b>          | CNG/LPG resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Oil, ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <b>INTER</b> CNG/LPG HOSE -ECE R110 / ECE R87 -CLASS 2- ID MM - WP 20 BAR = EUROPEAN TECHNOLOGY  |



\*ECE R110 / ECE R67 CLASS 2



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 5/32       | 4  | 4.0  | 10.0 | 20  | 300 | 40  | 600 | 25 | AZNL04BSZ01  |
| 3/16       | 5  | 5.0  | 11.0 | 20  | 300 | 40  | 600 | 25 | AZNL05BSZ01  |
| 1/4        | 6  | 6.0  | 13.0 | 20  | 300 | 30  | 450 | 25 | AZNL06BSZ01  |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 25 | AZNL08BSZ01  |
| 3/8        | 10 | 10.0 | 17.0 | 20  | 300 | 60  | 900 | 25 | AZNL10BSZ01  |
| 7/16       | 11 | 11.0 | 18.0 | 20  | 300 | 60  | 900 | 25 | AZNL11BSZ01  |
| 1/2        | 12 | 12.0 | 19.0 | 20  | 300 | 60  | 900 | 25 | AZNL12BSZ01  |
| 5/8        | 16 | 16.0 | 24.0 | 20  | 300 | 60  | 900 | 25 | AZNL16BSZ01  |
| 3/4        | 19 | 19.0 | 27.0 | 20  | 300 | 60  | 900 | 25 | AZNL19BSZ01  |

\*Also available in 15m lengths, please contact us\*

# FUEL / OIL HOSE : R6

Air Hose

Water Hose



|                      |  |
|----------------------|--|
| <b>Applications</b>  | For conveying fuel/oil in automotive lines and for general usage in contact with fuel/oil. |
| <b>Tube</b>          | Fuel/oil resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Fuel/oil, ozone and weather resistant synthetic rubber                                     |
| <b>Marking</b>       | <b>INTER</b> FUEL/OIL HOSE SAE J30 R6 ID" WP 300 PSI                                       |



SAE J30 R6



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | M  |              |
| 1/8        | 3  | 3.2  | 10.0 | 20  | 300 | 60  | 900 | 50 | AZNU03BSE01  |
| 5/32       | 4  | 4.0  | 11.0 | 20  | 300 | 60  | 900 | 50 | AZNU04BSE01  |
| 3/16       | 5  | 5.0  | 12.0 | 20  | 300 | 60  | 900 | 50 | AZNU05BSE01  |
| 1/4        | 6  | 6.3  | 13.3 | 20  | 300 | 60  | 900 | 50 | AZNU06BSE01  |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 50 | AZNU08BSE01  |
| 3/8        | 9  | 9.5  | 16.5 | 20  | 300 | 60  | 900 | 50 | AZNU09BSE01  |
| 7/16       | 11 | 11.1 | 18.4 | 20  | 300 | 60  | 900 | 50 | AZNU11BSE01  |
| 1/2        | 12 | 12.7 | 20.0 | 20  | 300 | 60  | 900 | 50 | AZNU12BSE01  |
| 5/8        | 16 | 16.0 | 24.0 | 20  | 300 | 60  | 900 | 50 | AZNU16BSE01  |
| 3/4        | 19 | 19.0 | 29.0 | 20  | 300 | 60  | 900 | 50 | AZNU19BSE01  |
| 1          | 25 | 25.4 | 36.0 | 20  | 300 | 50  | 750 | 50 | AZNU25BSE01  |

\*Also available in 20m, 25m, 30m lengths, please contact us\*

# FUEL / OIL HOSE (Gasohol E20/E85) : R7

Chemical Hose



|                      |   |
|----------------------|---|
| <b>Applications</b>  | Most suitable for conveying ethanol blended gasoline (E20/85) in combustion engines and for general usage in contact with fuel/oil. |
| <b>Tube</b>          | Fuel/oil resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn  |
| <b>Cover</b>         | Fuel/oil, ozone and weather resistant synthetic rubber  |
| <b>Marking</b>       | <b>INTER</b> FUEL HOSE ID" SAE J30 R7 WP 300 PSI BP 900 PSI GASOHOL E20/E85   |



SAE J30 R7



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | M  |              |
| 1/8        | 3  | 3.2  | 10.0 | 20  | 300 | 60  | 900 | 25 | AZNU03BSZ01  |
| 5/32       | 4  | 4.0  | 11.0 | 20  | 300 | 60  | 900 | 25 | AZNU04BSZ01  |
| 3/16       | 5  | 5.0  | 10.5 | 20  | 300 | 60  | 900 | 25 | AZNU05BSZ02  |
| 1/4        | 6  | 6.3  | 13.3 | 20  | 300 | 60  | 900 | 25 | AZNU06BSZ03  |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 25 | AZNU08BSZ03  |
| 3/8        | 9  | 9.5  | 16.5 | 20  | 300 | 60  | 900 | 25 | AZNU09BSZ03  |
| 7/16       | 11 | 11.1 | 18.4 | 20  | 300 | 60  | 900 | 25 | AZNU11BSZ02  |
| 1/2        | 12 | 12.7 | 20.0 | 20  | 300 | 60  | 900 | 25 | AZNU12BSZ02  |
| 5/8        | 16 | 16.0 | 24.0 | 20  | 300 | 60  | 900 | 25 | AZNU16BSZ03  |
| 3/4        | 19 | 19.0 | 29.0 | 20  | 300 | 60  | 900 | 25 | AZNU19BSZ01  |
| 1          | 25 | 25.4 | 36.0 | 20  | 300 | 50  | 750 | 25 | AZNU25BSZ01  |

\*Also available in 10m, 15m lengths, please contact us\*

# FUEL INJECTION HOSE: R9



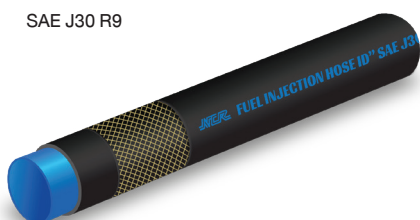
|                      |  |
|----------------------|--|
| <b>Applications</b>  | Most suitable for conveying gasoline, gasohol E10/E20/E85, diesel, bio-diesel in combustion engines.<br>Designed specifically for fuel injection systems |
| <b>Tube</b>          | Exceptionally low-permeation and chemical resistant FKM <Fluoroelastomer> with thermoplastic lining  |
| <b>Reinforcement</b> | Premium Kevlar® Aramid yarn provides exceptional hose integrity in high temperature environment  |
| <b>Cover</b>         | Excellent - oil, ozone and high temperature resistant  |
| <b>Marking</b>       | <b>JNTER FUEL INJECTION HOSE ID" SAE J30 R9 WP 300 PSI GASOHOL E20/E85</b>   |

**E10/E20/E85  
GASOHOL**



INTERMITTENT

SAE J30 R9



| Nominal ID |    | ID  | OD   | WP  |     | BP  |     | L | Product code |
|------------|----|-----|------|-----|-----|-----|-----|---|--------------|
| Inch       | mm | mm  | mm   | bar | PSI | bar | PSI | m |              |
| 5/16       | 8  | 8.0 | 14.5 | 20  | 300 | 60  | 900 | 5 | AZNU08BS101  |

\*For sizes other than listed above, please contact us\*

# SUBMERSIBLE FUEL HOSE: R10



|                      |   |
|----------------------|---|
| <b>Applications</b>  | Designed for constant contact with gasoline, other liquefied petroleum on both the inside and the outside of the hose |
| <b>Tube</b>          | Exceptionally low-permeation and chemical resistant FKM <Fluoroelastomer>   |
| <b>Reinforcement</b> | Premium Kevlar® Aramid yarn provides exceptional hose integrity in high temperature environment                       |
| <b>Cover</b>         | Excellent - oil, ozone and high temperature resistant   |
| <b>Marking</b>       | <b>JNTER SUBMERSIBLE FUEL HOSE ID" SAE J30 R10 WP300PSI &gt; FKM/ARAMID &gt; E10/E20/E85</b>                          |

**E10/E20/E85  
GASOHOL**



INTERMITTENT

SAE J30 R10



| Nominal ID |    | ID  | OD   | WP  |     | BP  |     | L   | Product code |
|------------|----|-----|------|-----|-----|-----|-----|-----|--------------|
| Inch       | mm | mm  | mm   | bar | PSI | bar | PSI | m   |              |
| 5/16       | 8  | 8.0 | 14.5 | 20  | 300 | 60  | 900 | 0.3 | AZNU08BSI21  |

\*Also available in 20m lengths, please contact us\*

# AIR CONDITIONING HOSE

- Air Hose
- Water Hose
- Gas & Welding Hose
- Abrasive Material Hose
- Oil / Petroleum Hose
- Chemical Hose
- Automotive Hose**



|                      |   |
|----------------------|---|
| <b>Applications</b>  | For conveying freon R-12 and R-134a in automotive air conditioning systems.                                 |
| <b>Tube</b>          | Oil and freon resistant synthetic rubber  |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn  |
| <b>Cover</b>         | Oil, ozone and weather resistant synthetic rubber   |
| <b>Marking</b>       | <i>JNER</i> AIR CONDITIONING HOSE R-12 -ID MM- DIS<br><i>JNER</i> AIR CONDITIONING HOSE NT TYPE -ID MM- DIS |



NT type for R-134a

SAE J2064 E1



| Nominal ID |    | ID   | OD   | WP  |     | BP  |      | L   | Product code |
|------------|----|------|------|-----|-----|-----|------|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI  | M   |              |
| 5/16       | 8  | 8.2  | 15.7 | 30  | 450 | 120 | 1800 | 100 | AZNR08BSJ03  |
| 13/32      | 10 | 11.0 | 19.0 | 30  | 450 | 120 | 1800 | 100 | AZNR10BSJ03  |
| 5/8        | 15 | 15.2 | 23.0 | 15  | 225 | 60  | 900  | 100 | AZNR15BSJ03  |

for R-12

SAE J51 A2



| Nominal ID |    | ID   | OD   | WP  |     | BP  |      | L   | Product code |
|------------|----|------|------|-----|-----|-----|------|-----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI  | M   |              |
| 5/16       | 8  | 7.9  | 18.3 | 30  | 450 | 120 | 1800 | 100 | AZNR08BSJ01  |
| 13/32      | 10 | 10.6 | 22.3 | 30  | 450 | 120 | 1800 | 100 | AZNR10BSJ01  |
| 1/2        | 13 | 12.9 | 22.3 | 20  | 300 | 80  | 1200 | 100 | AZNR13BSJ01  |





# BRAKE HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | <b>Air Brake Hose</b> For use in automotive air brake system.<br><b>Vacuum Brake Hose</b> For use in automotive vacuum brake system. |
| <b>Tube</b>          | Oil resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Heat and ozone resistant synthetic rubber  |
| <b>Marking</b>       | <b>JNTER</b> AIR BRAKE HOSE ID" SAE J1402<br><b>JNTER</b> VACUUM BRAKE HOSE ID" SAE J1403 VL   |

Air Hose

Water Hose

Gas & Welding Hose

Abrasive Material Hose

Oil / Petroleum Hose

Chemical Hose

Automotive Hose



Air Brake Hose

SAE J1402



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 3/8        | 9  | 9.5  | 19.0 | 10  | 150 | 62  | 930 | 50 | AXXE09BSE01  |
| 1/2        | 12 | 12.7 | 22.3 | 10  | 150 | 62  | 930 | 50 | AXXE12BSE01  |



Vacuum Brake Hose

SAE J1403



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 11/32      | 8  | 8.7  | 17.5 | 10  | 150 | 30  | 450 | 50 | AXXV08BSE01  |
| 15/32      | 12 | 11.9 | 20.7 | 10  | 150 | 30  | 450 | 50 | AXXV12BSE01  |

# TRAINLINE AIR BRAKE HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | Designed for brake pipe applications and other locomotive engines. |
| <b>Tube</b>          | Oil resistant synthetic elastomer                                  |
| <b>Reinforcement</b> | High tensile synthetic fabric                                      |
| <b>Cover</b>         | Oil, ozone, weather and abrasion resistant synthetic elastomer     |



AAR M-601  
AS 2435



| Nominal ID |    | ID    | OD    | WP    |     | BP    |      | L    | Product code |
|------------|----|-------|-------|-------|-----|-------|------|------|--------------|
| Inch       | mm | mm    | mm    | bar   | PSI | bar   | PSI  | Inch |              |
| 1.3/8      | 35 | 34.92 | 52.39 | 13.50 | 200 | 68.00 | 1000 | 22   | BR-42007     |
| 1.3/8      | 35 | 34.92 | 52.39 | 13.50 | 200 | 68.00 | 1000 | 33   | BR-42008     |
| 1.7/16     | 37 | 36.51 | 53.98 | 13.50 | 200 | 68.00 | 1000 | 22   | BR-42009     |
| 1.7/16     | 37 | 36.51 | 53.98 | 13.50 | 200 | 68.00 | 1000 | 33   | BR-42010     |

\*For sizes other than listed above, please contact us\*

# RADIATOR HOSE

Air Hose

Water Hose

Gas & Welding  
Hose

Abrasive Material  
Hose

Oil / Petroleum  
Hose

Chemical  
Hose

Automotive  
Hose



## Applications

Designed for coolant transfer from radiator as well as through other components in automotive cooling system.

## Tube

Black EPDM

## Reinforcement

High tensile textile cords

## Cover

Heat, abrasion and weather resistant synthetic rubber

## Marking

**JNTER** RADIATOR HOSE ID mm DIN 73411 WP 75 PSI (5 BAR)



DIN 73411



| Nominal ID |     | ID    | OD    | WP  |     | BP  |     | L | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|---|--------------|
| Inch       | mm  | mm    | mm    | bar | PSI | bar | PSI | M |              |
| 7/8"       | 22  | 22.0  | 30.0  | 5   | 75  | 15  | 225 | 1 | BG-42002     |
| 1"         | 25  | 25.4  | 33.0  | 5   | 75  | 15  | 225 | 1 | BG-42003     |
| 1.1/8"     | 28  | 28.0  | 36.0  | 5   | 75  | 15  | 225 | 1 | BG-42004     |
| 1.1/4"     | 32  | 31.8  | 40.0  | 5   | 75  | 15  | 225 | 1 | BG-42005     |
| 1.3/8"     | 35  | 35.0  | 43.0  | 5   | 75  | 15  | 225 | 1 | BG-42006     |
| 1.1/2"     | 38  | 38.0  | 48.0  | 5   | 75  | 15  | 225 | 1 | BG-42007     |
| 1.5/8"     | 42  | 42.0  | 52.0  | 5   | 75  | 15  | 225 | 1 | BG-42008     |
| 1.3/4"     | 45  | 45.0  | 55.0  | 5   | 75  | 15  | 225 | 1 | BG-42009     |
| 1.7/8"     | 48  | 48.0  | 60.0  | 5   | 75  | 15  | 225 | 1 | BG-42010     |
| 2"         | 51  | 50.8  | 61.0  | 5   | 75  | 15  | 225 | 1 | BG-42011     |
| 2.1/8"     | 55  | 55.0  | 65.0  | 5   | 75  | 15  | 225 | 1 | BG-42012     |
| 2.1/4"     | 57  | 57.0  | 67.0  | 5   | 75  | 15  | 225 | 1 | BG-42013     |
| 2.3/8"     | 60  | 60.0  | 70.0  | 5   | 75  | 15  | 225 | 1 | BG-42014     |
| 2.1/2"     | 63  | 63.0  | 73.0  | 5   | 75  | 15  | 225 | 1 | BG-42015     |
| 2.3/4"     | 70  | 70.0  | 80.0  | 5   | 75  | 15  | 225 | 1 | BG-42016     |
| 3"         | 76  | 76.0  | 86.0  | 5   | 75  | 15  | 225 | 1 | BG-42017     |
| 3.1/8"     | 80  | 80.0  | 90.0  | 5   | 75  | 15  | 225 | 1 | BG-42018     |
| 3.1/2"     | 90  | 90.0  | 102.0 | 5   | 75  | 15  | 225 | 1 | BG-42019     |
| 4"         | 102 | 102.0 | 114.0 | 5   | 75  | 15  | 225 | 1 | BG-42020     |
| 4.1/2"     | 114 | 114.3 | 126.1 | 5   | 75  | 15  | 225 | 1 | BG-42021     |
| 5"         | 127 | 127.0 | 137.0 | 5   | 75  | 15  | 225 | 1 | BG-42022     |

\*For sizes other than listed above, please contact us\*



# TRANSMISSION OIL COOLER HOSE



|                      |  |
|----------------------|--|
| <b>Applications</b>  | Most suitable for conveying transmission oil fluid in external transmission oil coolers      |
| <b>Tube</b>          | Transmission oil and heat resistant synthetic rubber   |
| <b>Reinforcement</b> | High tensile synthetic textile filament yarn   |
| <b>Cover</b>         | Transmission oil, ozone and weather resistant synthetic rubber                               |
| <b>Marking</b>       | <b>JNTER</b> TRANSMISSION OIL COOLER HOSE ID" SAE J1532 TYPE B CLASS 1 WP 300 PSI BP 900 PSI |

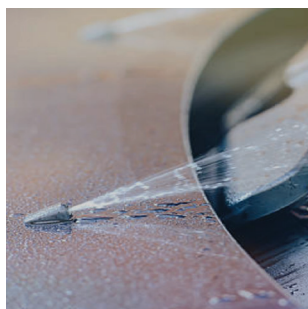


SAE J1532 TYPE B CLASS 1



| Nominal ID |    | ID   | OD   | WP  |     | BP  |     | L  | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm | mm   | mm   | bar | PSI | bar | PSI | m  |              |
| 5/16       | 8  | 8.0  | 15.0 | 20  | 300 | 60  | 900 | 25 | AZNC08BSZ01  |
| 3/8        | 9  | 9.5  | 16.5 | 20  | 300 | 60  | 900 | 25 | AZNC09BSZ01  |
| 7/16       | 11 | 11.1 | 18.4 | 20  | 300 | 60  | 900 | 25 | AZNC11BSZ01  |
| 1/2        | 12 | 12.7 | 20.0 | 20  | 300 | 60  | 900 | 25 | AZNC12BSZ01  |

# WINDSHIELD WASHER TUBING



|                     |   |
|---------------------|---|
| <b>Applications</b> | For use in automotive windshield washing system.                                    |
| <b>Tube</b>         | Ozone and tear resistant synthetic rubber, resistant to windshield washer solution. |
| <b>Marking</b>      | <b>JNTER</b> WINDSHIELD WASHER TUBING ID MM SAE J1037                               |



SAE J1037



| Nominal ID |     | ID  | OD   | WP  |     | BP  |     | L  | Product code |
|------------|-----|-----|------|-----|-----|-----|-----|----|--------------|
| Inch       | mm  | mm  | mm   | bar | PSI | bar | PSI | m  |              |
| 1/8        | 3   | 3.0 | 6.0  | 2   | 30  | 8   | 120 | 50 | AZNC03BSE01  |
| 5/32       | 4   | 4.0 | 7.0  | 2   | 30  | 8   | 120 | 50 | AZNC04BSE01  |
| 3/16       | 5   | 5.0 | 8.0  | 2   | 30  | 8   | 120 | 50 | AZNC05BSE01  |
| 7/32       | 5.5 | 5.5 | 9.0  | 2   | 30  | 8   | 120 | 50 | AZNC05BSE02  |
| 1/4        | 6   | 6.3 | 10.0 | 2   | 30  | 8   | 120 | 50 | AZNC06BSE01  |

Air Hose

Water Hose

Gas & Welding Hose

Abrasive Material Hose

Oil / Petroleum Hose

Chemical Hose

Automotive Hose

### N.C.R. Rubber Industry Co., Ltd. (Headquarters)

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E-mail : factory@NCR-Rubber.com

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Fax. (66) 0-2223-0169  
E-mail : salesadmin@NCR-Rubber.com

### Namcharoen Bangkok Co., Ltd. (Retail store for sealing systems)

472 Mahachak Road, Sampanthawong, Bangkok 10100 Thailand.  
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