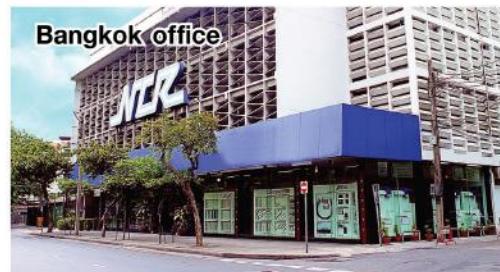




Industrial & Automotive Rubber Hose

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, N.C.R. 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.

N.C.R. 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.

N.C.R. has established six affiliated companies :

- | | | |
|-------------------------------|-----------------------------------|---|
| 1. Bridgestone NCR 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.

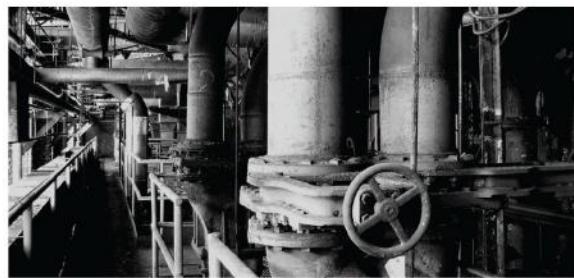
Awarded "Green Industry Award" by Ministry of Industry, The Royal Thai Government.

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.



| | |
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| Air & Water | |
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| > Hot Air Blower Hose | |
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| > Water Hose | |
| 12 | Welding & Cutting |
| > Oxygen & Acetylene Hose | |
| > Oxygen & LPG Hose | |
| > Gas Hose (N ₂ , Ar, Co ₂) | |
| > Oxygen & Universal Fuel Gas Hose | |
| 15 | Household |
| > Propane / Butane Hose | |
| > LPG Stove Hose | |
| 16 | Material Handling |
| > Cement Hose | |
| > Shotcrete Hose / Grout Hose | |
| > Sandblast Hose | |
| > Dredging Hose | |
| 20 | Petroleum |
| > Road & Rail Tanker Hose | |
| > Oil Hose | |
| > Petrol Pump Hose | |
| 22 | Special Application |
| > Multi-Purpose Hose | |
| > Flex Hose | |
| <hr/> | |
| 25 | Automotive Hose |
| > Car Heater Hose, CNG/LPG Hose | |
| > Fuel / Oil Hose | |
| > Air Conditioning Hose | |
| > Brake Hose, Windshield Washer Tubing | |

SYMBOL GUIDE



Air



Water



Oil



Gas



Sand/Cement



Stone



Acid Solvent



Alkali Solvent



Delivery



Suction and Discharge



Vibration



Minimum Bending Radius (x times of ID)



Minimum Working Temperature (°C)



Maximum Working Temperature (°C)



Safety Factor (x times of WP)



Smooth



Fabric-wrapped



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.

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

CARE, MAINTENANCE AND STORAGE *

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 HOSE



COMPRESSED AIR HOSE - HEAVY DUTY -



Applications

For heavy-duty use with air compressors in quarries, service stations, construction sites, shipyards, factories and other general services.

Tube

Synthetic rubber

Reinforcement

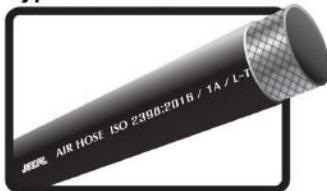
High tensile synthetic textile filament yarn

Cover

Ozone and weather resistant synthetic rubber



ISO 2398 : 2016
Type 1 Class A



Marking

JTER AIR HOSE ISO 2398:2016 / 1A / L-T

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

ISO 2398 : 2016
Type 2 Class A



Marking

JTER AIR HOSE ISO 2398:2016 / 2A / L-T

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

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



Tube

Oil mist resistant synthetic rubber

Marking

JTER AD300 AIR HOSE - HEAVY DUTY - BP 900PSI - WP 300PSI

| Product code | | | | | | | | |
|--------------|-----|-------|-------|-----|-----|-----|-----|--------------|
| Nominal ID | ID | OD | WP | | BP | | L | Product code |
| Inch | mm | mm | mm | bar | PSI | bar | PSI | |
| 1.1/4 | 32 | 32.0 | 44.0 | 20 | 300 | 60 | 900 | 40 |
| 1.1/2 | 38 | 38.0 | 51.0 | 20 | 300 | 60 | 900 | 40 |
| 2 | 51 | 50.8 | 65.0 | 20 | 300 | 60 | 900 | 40 |
| 2.1/2 | 63 | 63.5 | 80.0 | 20 | 300 | 60 | 900 | 40 |
| 3 | 76 | 76.2 | 92.0 | 20 | 300 | 60 | 900 | 40 |
| 4 | 102 | 101.6 | 118.0 | 20 | 300 | 60 | 900 | 40 |



COMPRESSED AIR HOSE


Applications

For use with air compressors in mines, quarries, service stations, construction sites, shipyards, factories and other general services.

Tube

Synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Ozone and weather resistant synthetic rubber

Marking

JNCR AIR HOSE ID" WP XX PSI BP XX PSI


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 | AZNA06BSJ06 |
| 5/16 | 8 | 8.0 | 15.0 | 10 | 150 | 30 | 450 | 100 | AZNA08BSJ06 |
| 3/8 | 9 | 9.5 | 16.5 | 10 | 150 | 30 | 450 | 100 | AZNA09BSJ06 |
| 1/2 | 12 | 12.7 | 20.0 | 10 | 150 | 30 | 450 | 100 | AZNA12BSJ06 |
| 5/8 | 16 | 16.0 | 24.0 | 10 | 150 | 30 | 450 | 50 | AZNA16BSE06 |
| 3/4 | 19 | 19.0 | 28.0 | 10 | 150 | 30 | 450 | 50 | AZNA19BSE06 |
| 1 | 25 | 25.4 | 36.0 | 10 | 150 | 30 | 450 | 50 | AZNA25BSE06 |

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 | AZNA06BSJ07 |
| 5/16 | 8 | 8.0 | 15.5 | 15 | 225 | 45 | 660 | 100 | AZNA08BSJ07 |
| 3/8 | 9 | 9.5 | 17.0 | 15 | 225 | 45 | 660 | 100 | AZNA09BSJ07 |
| 1/2 | 12 | 12.7 | 20.5 | 15 | 225 | 45 | 660 | 100 | AZNA12BSJ07 |
| 5/8 | 16 | 16.0 | 25.0 | 15 | 225 | 45 | 660 | 50 | AZNA16BSE07 |
| 3/4 | 19 | 19.0 | 29.0 | 15 | 225 | 45 | 660 | 50 | AZNA19BSE07 |
| 1 | 25 | 25.4 | 37.0 | 15 | 225 | 45 | 660 | 50 | AZNA25BSE07 |

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 | AZNA06BSJ08 |
| 5/16 | 8 | 8.0 | 16.0 | 20 | 300 | 60 | 900 | 100 | AZNA08BSJ08 |
| 3/8 | 9 | 9.5 | 17.5 | 20 | 300 | 60 | 900 | 100 | AZNA09BSJ08 |
| 1/2 | 12 | 12.7 | 21.0 | 20 | 300 | 60 | 900 | 100 | AZNA12BSJ08 |
| 5/8 | 16 | 16.0 | 26.0 | 20 | 300 | 60 | 900 | 50 | AZNA16BSE08 |
| 3/4 | 19 | 19.0 | 30.0 | 20 | 300 | 60 | 900 | 50 | AZNA19BSE08 |
| 1 | 25 | 25.4 | 38.0 | 20 | 300 | 60 | 900 | 50 | AZNA25BSE08 |

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

HOT AIR BLOWER HOSE

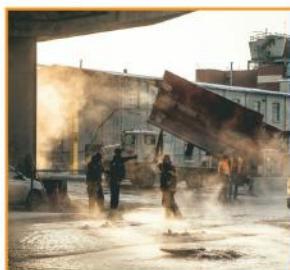


| | |
|----------------------|--|
| Applications | For conveying hot air from the compressor / blower on dry material (for eg. cement) unloading systems. |
| Tube | Excellent heat resistant synthetic rubber |
| Reinforcement | High tensile synthetic fabric |
| Cover | High abrasion and heat resistant synthetic rubber |
| Marking | JYER 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 | |
| 1.1/2 | 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



JACK HAMMER HOSE


Applications

For use with air compressors in construction works, quarries and many civil engineering and industrial applications.

Tube

Oil mist resistant synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Ozone and weather resistant synthetic rubber

Marking

JNCR 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 -


Applications

For heavy duty handling of oil-charge compressed air and high pressure compressor and other equipment used on public work sites.

Tube

Oil resistant synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

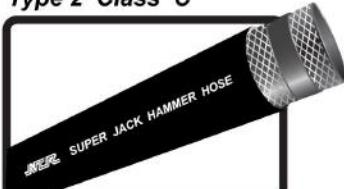
Oil, Ozone and weather resistant synthetic rubber

Marking

JNCR SUPER JACK HAMMER HOSE ISO 2398:2016 /2C / N-T / ID mm / 2.0 MPa / 20 bar



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 |



WATER DELIVERY HOSE


Applications

For discharge of water and other non-corrosive liquid.

Tube

Synthetic rubber

Reinforcement

High tensile synthetic fabric

Cover

Ozone and weather resistant synthetic rubber

Marking

JNCR WD150 - WATER DELIVERY HOSE - BP 450PSI - WP 150PSI



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

For sizes other than listed above, please contact us

WATER SUCTION & DISCHARGE HOSE


Applications

For suction and discharge of water and other non-corrosive liquid.

Tube

Synthetic rubber

Reinforcement

High tensile synthetic fabric with steel helical embedded wire

Cover

Ozone and weather resistant synthetic rubber

Marking

JNCR WSD150 - WATER SUCTION & DISCHARGE HOSE - BP 450PSI - WP 150PSI



| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|----|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | |
| 1.1/4 | 32 | 32.0 | 43.4 | 10 | 150 | 30 | 450 | 40 | BS-51001 |
| 1.1/2 | 38 | 38.0 | 50.4 | 10 | 150 | 30 | 450 | 40 | BS-51002 |
| 2 | 51 | 50.8 | 63.4 | 10 | 150 | 30 | 450 | 40 | BS-51003 |
| 2.1/2 | 63 | 63.5 | 76.7 | 10 | 150 | 30 | 450 | 40 | BS-51004 |
| 3 | 76 | 76.2 | 89.4 | 10 | 150 | 30 | 450 | 40 | BS-51005 |
| 3.1/2 | 90 | 88.9 | 103.7 | 10 | 150 | 30 | 450 | 40 | BS-51006 |
| 4 | 102 | 101.6 | 118.4 | 10 | 150 | 30 | 450 | 40 | BS-51007 |
| 5 | 127 | 127.0 | 145.2 | 10 | 150 | 30 | 450 | 40 | BS-51008 |
| 6 | 152 | 152.4 | 174.4 | 10 | 150 | 30 | 450 | 40 | BS-51009 |
| 8 | 203 | 203.0 | 239.0 | 10 | 150 | 30 | 450 | 15 | BS-41010 |
| 10 | 254 | 254.0 | 290.0 | 10 | 150 | 30 | 450 | 15 | BS-41011 |

For sizes other than listed above, please contact us



FOLDABLE WATER DELIVERY HOSE

INDUSTRIAL HOSE



Applications

For discharge of water and other non-corrosive liquid.

Excellent kinking and twisting resistance. The hose can be flattened and coiled when it is not in-use.

Tube Synthetic rubber

Reinforcement High tensile polyester cord

Cover High abrasion and weather resistant synthetic rubber

Marking

JACO FWD150 FOLDABLE WATER DELIVERY HOSE 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.



WELDING & CUTTING HOSE (Oxygen & Acetylene)



Applications

For use with welding and allied processes in workshops, shipyards, construction sites and factories.

Tube

High ignition temperature synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Excellent ozone and weather resistant synthetic rubber

Marking

ISO 3821 -2MPa (20 bar) -ID- **JTCR** -YY



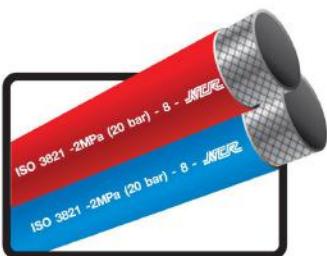
Blue (Oxygen)

Red (Acetylene)

Single line welding hose
ISO 3821, AS 1335



Twin line welding hose
ISO 3821, AS 1335



| Nominal ID | | ID | OD | WP | | BP | | L | Product code | |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|-------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | Blue | Red |
| 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 |

| 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 | AXXT553SJ01 |
| 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 | AXXT693SJ01 |
| 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 | AXXT993SJ01 |
| 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)



Applications

For use with welding and allied processes in workshops, shipyards, construction sites and factories.

Tube

High ignition temperature synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Excellent ozone and weather resistant synthetic rubber

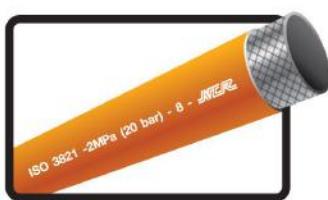
Marking

ISO 3821 -2MPa (20 bar) -ID- **JNCR** -YY



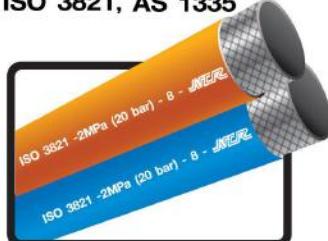
█ Blue (Oxygen)
█ Orange (LPG)

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 | AXXT555SJ01 |
| 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 (N₂, Ar, CO₂)



Applications

For use with welding and allied processes in workshops, shipyards, construction sites and factories.

Tube

High ignition temperature synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Excellent ozone and weather resistant synthetic rubber

Marking

ISO 3821 -2MPa (20 bar) -ID- **JNCR** -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)



Applications

Designed for the transport of all type of gases and liquid gases, including hydrogen, propane/butane, natural gas, DMF, MPS and LPG.

Tube

High ignition temperature synthetic rubber

Reinfo

High tensile synthetic textile filament yarn

Cover

Ozone and weather resistant synthetic



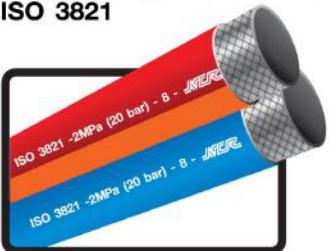
Blue (Oxygen)
Red (Acetylene)
Orange (LPG)

Acetylene & UFG hose



| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|----|------|------|-----|-----|-----|-----|-----|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | Red/Orange |
| 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 |

**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 | AZNT55ZSJ01 |
| 1/4+1/4 | 6+6 | 6.3+6.3 | 13.3+13.3 | 20 | 300 | 60 | 900 | 100 | AZNT66ZSJ01 |
| 1/4+3/8 | 6+9 | 6.3+9.5 | 14.2+16.1 | 20 | 300 | 60 | 900 | 100 | AZNT69ZSJ01 |
| 5/16+3/8 | 8+9 | 8.0+9.5 | 15.5+16.1 | 20 | 300 | 60 | 900 | 100 | AZNT89ZSJ01 |



PROPANE / BUTANE HOSE


Applications

For discharge of propane/butane, liquefied petroleum gas (LPG).

Excellent flame and heat resistance

Typical use for Heaters, Barbecues, Caravan installations and Weed burners.

Tube

Synthetic rubber

Reinforcement

High tensile synthetic textile spiral yarn

Cover

Excellent oil, ozone and weather resistant synthetic rubber

Marking

JNCR - BS EN 16436-1:2014+A1:2015 - IDmm - 10bar -PROPANE/BUTANE - PROD DATE : YYYY



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


Applications

For discharge of liquefied petroleum gas (LPG) .

Excellent flame and heat resistance,
and able to withstand severe bends without kinking .

Tube

Synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Excellent oil, ozone and weather resistant synthetic rubber

Marking

JNCR LPG HOSE w/o fitting ID 9.5 mm WP 2MPa (20 bar) ◊ TIS. 895 - 2532 (1989)



TIS : 895 - 2532



| 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 | AZNL10OSE01 |
| 3/8 | 10 | 9.8 | 17.8 | 20 | 300 | 60 | 900 | 100 | AZNL10OSJ03 |
| 3/8 | 10 | 9.8 | 17.8 | 20 | 300 | 60 | 900 | 1.8 | AZNL10OSB41* |

*Packaging includes stainless steel hose clamps.

CEMENT DELIVERY HOSE

**Applications**

For discharge of cement and abrasive slurry materials.

Abrasion resistant refer to DIN 53516

Tube

Excellent abrasion resistant synthetic rubber

Reinforcement

High tensile synthetic fabric

Cover

High abrasion and weather resistant synthetic rubber

Marking

JNCR CD150 CEMENT DELIVERY 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 | |
| 3 | 76 | 76.2 | 97.2 | 10 | 150 | 30 | 450 | 40 | BC-42001 |
| 4 | 102 | 101.6 | 122.0 | 10 | 150 | 30 | 450 | 40 | BC-42002 |
| 5 | 127 | 127.0 | 149.0 | 10 | 150 | 30 | 450 | 40 | BC-42003 |

For sizes other than listed above, please contact us

CEMENT SUCTION & DISCHARGE HOSE

**Applications**

For suction and discharge of cement and abrasive slurry materials.

Abrasion resistant refer to DIN 53516

Tube

Excellent abrasion resistant synthetic rubber

Reinforcement

High tensile synthetic fabric with steel helical embedded wire

Cover

High abrasion and weather resistant synthetic

Marking

JNCR CSD150 CEMENT SUCTION & DISCHARGE HOSE - BP 450PSI - WP 150PSI



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

For sizes other than listed above, please contact us

SHOTCRETE HOSE / GROUT HOSE



| | |
|----------------------|---|
| Applications | For spraying of cement and abrasive slurry materials such as concrete, gypsum, plaster, grout and mortar. |
| Tube | For use in heavy construction sites. Excellent kinking resistance. |
| Reinforcement | Excellent abrasion resistant synthetic rubber (Referring to DIN 53516) |
| Cover | High tensile synthetic fabric |
| Marking | High abrasion and weather resistant synthetic rubber |

JTCR SC600 SHOTCRETE HOSE - BP 1800PSI - WP 600PSI



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

SANDBLAST HOSE



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



ISO 3861*



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

For sizes other than listed above, please contact us

ISO 3861 is available upon request

DREDGING HOSE

Dredging Pipe Joint Hose (Straight Ends Type)



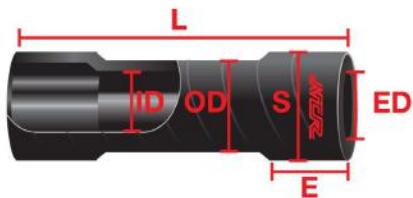
| | |
|---------------------------|---|
| Applications | For discharge of sand and abrasive slurry materials. (dredging purpose) |
| Tube | Abrasion resistant synthetic rubber |
| Reinforcement | High tensile synthetic fabric |
| Cover | Ozone and abrasion resistant synthetic rubber |
| Max. bending angle | 10 Degrees |
| Marking |  |



| WP 5 kg/cm ² (75 PSI) | | | | WP 8 kg/cm ² (120 PSI) | | | | WP 10 kg/cm ² (150 PSI) | | | |
|----------------------------------|-----|------|--------------|-----------------------------------|-----|------|--------------|------------------------------------|-----|------|--------------|
| ID | OD | L | Product Code | ID | OD | L | Product Code | ID | OD | L | Product Code |
| mm | mm | mm | | mm | mm | mm | | mm | mm | mm | |
| 203 | 249 | 950 | BM-2001 | 203 | 249 | 950 | BM-2015 | 203 | 249 | 950 | BM-2029 |
| 254 | 299 | 1000 | BM-2002 | 254 | 299 | 1000 | BM-2016 | 254 | 299 | 1000 | BM-2030 |
| 301 | 347 | 1050 | BM-2003 | 301 | 347 | 1050 | BM-2017 | 301 | 351 | 1050 | BM-2031 |
| 355 | 400 | 1100 | BM-2004 | 355 | 404 | 1100 | BM-2018 | 355 | 404 | 1100 | BM-2032 |
| 410 | 458 | 1200 | BM-2005 | 410 | 462 | 1200 | BM-2019 | 410 | 465 | 1200 | BM-2033 |
| 510 | 569 | 1300 | BM-2006 | 510 | 575 | 1300 | BM-2020 | 510 | 579 | 1300 | BM-2034 |
| 560 | 622 | 1350 | BM-2007 | 560 | 626 | 1350 | BM-2021 | 560 | 633 | 1350 | BM-2035 |

For custom-made specification, please contact N.C.R. sales team

Dredging Pipe Joint Hose (Enlarged Ends Type)



ID = Inside Diameter
 OD = Outside Diameter
 ED = Diameter of enlarged part
 E = Length of enlarged part
 S = Stretch
 L = Length

| | | | | WP 5 kg/cm ² (75 PSI) | | | WP 8 kg/cm ² (120 PSI) | | | WP 10 kg/cm ² (150 PSI) | | |
|-----|-----|-----|------|----------------------------------|-----|--------------|-----------------------------------|-----|--------------|------------------------------------|-----|--------------|
| ID | ED | E | L | S | OD | Product Code | S | OD | Product Code | S | OD | Product Code |
| | | | | mm | mm | | mm | mm | | mm | mm | |
| 203 | 232 | 350 | 950 | 280 | 249 | BM-2043 | 280 | 249 | BM-2057 | 280 | 249 | BM-2071 |
| 254 | 283 | 350 | 1000 | 331 | 299 | BM-2044 | 331 | 299 | BM-2058 | 331 | 299 | BM-2072 |
| 301 | 335 | 350 | 1050 | 383 | 347 | BM-2045 | 383 | 347 | BM-2059 | 387 | 351 | BM-2073 |
| 355 | 389 | 350 | 1100 | 437 | 400 | BM-2046 | 441 | 404 | BM-2060 | 441 | 404 | BM-2074 |
| 410 | 444 | 350 | 1200 | 492 | 458 | BM-2047 | 496 | 462 | BM-2061 | 499 | 465 | BM-2075 |
| 510 | 558 | 350 | 1300 | 616 | 569 | BM-2048 | 623 | 575 | BM-2062 | 627 | 579 | BM-2076 |
| 560 | 608 | 350 | 1350 | 670 | 622 | BM-2049 | 673 | 626 | BM-2063 | 680 | 633 | BM-2077 |

For custom-made specification, please contact N.C.R. sales team

DREDGING HOSE

Pipe Joint Hose with Built-in Flange



| | |
|---------------------------|--|
| Applications | For discharge of sand and abrasive slurry materials. (dredging purpose) |
| Tube | Abrasion resistant synthetic rubber |
| Reinforcement | High tensile synthetic fabric with steel helical embedded wire |
| Cover | Ozone and abrasion resistant synthetic rubber |
| Max. bending angle | 10 degrees |
| Flange type | JIS 10K, (Also available : DIN, PN) |
| Marking | |



| Max. bending angle without kinking | | Bending angle with kinking (temporarily allowable) |
|--|----------------|---|
| No pressure | Under pressure | 45-60 degrees |
| 10-15 degrees | 10-20 degrees | |
| Recommend Bending angle of 10 degrees to assure longer life. | | |

| | | WP 8 kg/cm² (120 PSI) | | WP 10 kg/cm² (150 PSI) | | WP 12 kg/cm² (180 PSI) | |
|-----------|-----------|---|---------------------|--|---------------------|--|---------------------|
| ID | L | OD | Product Code | OD | Product Code | OD | Product Code |
| mm | mm | mm | | mm | | mm | |
| 508 | 1200 | 585 | BM-2101F | 589 | BM-2108F | 593 | BM-2115F |
| 560 | 1250 | 635 | BM-2102F | 642 | BM-2109F | 646 | BM-2116F |
| 610 | 1300 | 699 | BM-2103F | 703 | BM-2110F | 710 | BM-2117F |
| 660 | 1350 | 749 | BM-2104F | 756 | BM-2111F | 760 | BM-2118F |
| 685 | 1400 | 777 | BM-2105F | 781 | BM-2112F | 788 | BM-2119F |
| 710 | 1400 | 812 | BM-2106F | 816 | BM-2113F | 823 | BM-2120F |
| 760 | 1450 | 862 | BM-2107F | 869 | BM-2113F | 876 | BM-2121F |



Suction/Discharge Sleeve Hose with Built-in Flange

| | |
|---------------------|--|
| Applications | For suction and discharge of sand and abrasive slurry materials. (dredging purpose) |
| Flange type | JIS 10K, (Also available : DIN, PN) |



| | | WP -1 kg/cm² (-15 PSI) | |
|-----------|-----------|--|---------------------|
| ID | L | OD | Product Code |
| mm | mm | mm | |
| 508 | 5000 | 589 | BM-1001F |
| 560 | 5000 | 643 | BM-1002F |
| 610 | 5000 | 693 | BM-1003F |
| 660 | 5000 | 755 | BM-1004F |
| 685 | 5000 | 815 | BM-1005F |
| 710 | 5000 | 840 | BM-1006F |
| 760 | 5000 | 890 | BM-1007F |

ROAD & RAIL TANKER HOSE



| | |
|----------------------|---|
| Applications | For loading and unloading oil from tank truck. |
| Tube | Oil resistant synthetic rubber |
| Reinforcement | High tensile synthetic fabric with steel helical embedded wire |
| Cover | High abrasion, weather and oil resistant synthetic rubber |
| Marking | JYER RT150 ROAD & RAIL TANKER HOSE - BS3492:1987 - BP 450PSI - WP 150PSI |



BS 3492 : 1987



| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|----|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | |
| 1 | 25 | 25.4 | 36.2 | 10 | 150 | 30 | 450 | 40 | BI-41001 |
| 1.1/4 | 32 | 32.0 | 43.0 | 10 | 150 | 30 | 450 | 40 | BI-41002 |
| 1.3/8 | 35 | 35.0 | 47.0 | 10 | 150 | 30 | 450 | 40 | BI-41003 |
| 1.1/2 | 38 | 38.0 | 50.0 | 10 | 150 | 30 | 450 | 40 | BI-41004 |
| 1.3/4 | 44 | 44.5 | 56.5 | 10 | 150 | 30 | 450 | 40 | BI-41005 |
| 2 | 51 | 50.8 | 63.0 | 10 | 150 | 30 | 450 | 40 | BI-41006 |
| 2.1/2 | 63 | 63.5 | 78.0 | 10 | 150 | 30 | 450 | 40 | BI-41007 |
| 3 | 76 | 76.2 | 91.0 | 10 | 150 | 30 | 450 | 40 | BI-41008 |
| 4 | 101 | 101.6 | 120.0 | 10 | 150 | 30 | 450 | 40 | BI-41009 |

For sizes other than listed above, please contact us

OIL DELIVERY HOSE



| | |
|----------------------|---|
| Applications | For discharge of oil and some chemicals in refineries, factories and vessels. |
| Tube | Oil resistant synthetic rubber |
| Reinforcement | High tensile synthetic fabric |
| Cover | High abrasion and oil resistant synthetic rubber |
| Marking | JTER OD150 OIL DELIVERY HOSE - 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 | 35.0 | 10 | 150 | 30 | 450 | 40 | BL-52001 |
| 1.1/4 | 32 | 32.0 | 42.0 | 10 | 150 | 30 | 450 | 40 | BL-52002 |
| 1.3/8 | 35 | 35.0 | 45.0 | 10 | 150 | 30 | 450 | 40 | BL-52003 |
| 1.1/2 | 38 | 38.0 | 48.0 | 10 | 150 | 30 | 450 | 40 | BL-52004 |
| 1.3/4 | 44 | 44.5 | 55.0 | 10 | 150 | 30 | 450 | 40 | BL-52005 |
| 2 | 51 | 50.8 | 62.0 | 10 | 150 | 30 | 450 | 40 | BL-52006 |
| 2.1/2 | 63 | 63.5 | 75.0 | 10 | 150 | 30 | 450 | 40 | BL-52007 |
| 3 | 76 | 76.2 | 88.0 | 10 | 150 | 30 | 450 | 40 | BL-52008 |
| 4 | 102 | 101.6 | 116.0 | 10 | 150 | 30 | 450 | 40 | BL-52009 |
| 5 | 127 | 127.0 | 143.0 | 10 | 150 | 30 | 450 | 40 | BL-52010 |
| 6 | 152 | 152.4 | 168.0 | 10 | 150 | 30 | 450 | 40 | BL-52011 |

For sizes other than listed above, please contact us

OIL SUCTION & DISCHARGE HOSE 150PSI



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

High abrasion and oil resistant synthetic rubber

Marking

JNCR OSD150 OIL SUCTION & DISCHARGE HOSE - 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 | 36.4 | 10 | 150 | 30 | 450 | 40 | BI-51101 |
| 1.1/4 | 32 | 32.0 | 43.0 | 10 | 150 | 30 | 450 | 40 | BI-51102 |
| 1.1/2 | 38 | 38.0 | 50.0 | 10 | 150 | 30 | 450 | 40 | BI-51103 |
| 2 | 51 | 50.8 | 62.8 | 10 | 150 | 30 | 450 | 40 | BI-51104 |
| 2.1/2 | 63 | 63.5 | 78.3 | 10 | 150 | 30 | 450 | 40 | BI-51105 |
| 3 | 76 | 76.2 | 91.0 | 10 | 150 | 30 | 450 | 40 | BI-51106 |
| 3.1/2 | 90 | 88.9 | 103.7 | 10 | 150 | 30 | 450 | 40 | BI-51107 |
| 4 | 102 | 101.6 | 118.4 | 10 | 150 | 30 | 450 | 40 | BI-51108 |
| 5 | 127 | 127.0 | 147.8 | 10 | 150 | 30 | 450 | 40 | BI-51109 |
| 6 | 152 | 152.4 | 175.2 | 10 | 150 | 30 | 450 | 40 | BI-51110 |

For sizes other than listed above, please contact us

OIL SUCTION & DISCHARGE HOSE 250PSI



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

High abrasion and oil resistant synthetic rubber

Marking

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



| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|-----|-------|-------|-----|-----|-----|-----|----|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | |
| 1 | 25 | 25.4 | 37.0 | 17 | 250 | 51 | 750 | 40 | BI-51211 |
| 1.1/4 | 32 | 32.0 | 44.0 | 17 | 250 | 51 | 750 | 40 | BI-51212 |
| 1.1/2 | 38 | 38.0 | 51.0 | 17 | 250 | 51 | 750 | 40 | BI-51213 |
| 2 | 51 | 50.8 | 65.0 | 17 | 250 | 51 | 750 | 40 | BI-51214 |
| 2.1/2 | 63 | 63.5 | 79.5 | 17 | 250 | 51 | 750 | 40 | BI-51215 |
| 3 | 76 | 76.2 | 92.2 | 17 | 250 | 51 | 750 | 40 | BI-51216 |
| 3.1/2 | 90 | 88.9 | 106.9 | 17 | 250 | 51 | 750 | 40 | BI-51217 |
| 4 | 102 | 101.6 | 119.6 | 17 | 250 | 51 | 750 | 40 | BI-51218 |
| 5 | 127 | 127.0 | 147.4 | 17 | 250 | 51 | 750 | 40 | BI-51219 |
| 6 | 152 | 152.4 | 177.2 | 17 | 250 | 51 | 750 | 40 | BI-51220 |

For sizes other than listed above, please contact us

PETROL PUMP HOSE



| | |
|----------------------|--|
| Applications | For dispensing petrol. |
| Tube | Petrol resistant synthetic rubber |
| Reinforcement | High tensile synthetic textile filament yarn, with built-in conductive wire to provide electrical continuity |
| Cover | Petrol, ozone and weather resistant synthetic rubber |
| Marking | JETC PETROL PUMP HOSE ID MM |

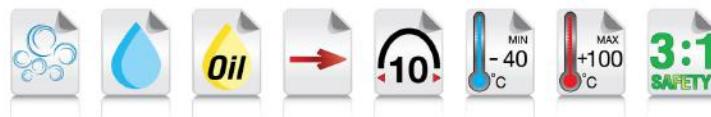


| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|----|------|------|-----|-----|-----|-----|----|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | |
| 5/8 | 16 | 16.0 | 26.0 | 10 | 150 | 40 | 600 | 60 | AZNP16BSF01 |
| 3/4 | 19 | 19.0 | 32.0 | 10 | 150 | 40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

MULTI-PURPOSE HOSE



| | |
|--|---|
| Applications | A premium quality hose for multi-purpose applications. |
| Tube | Suitable for conveying air, water, fuel, oil and other common solvents. |
| Reinforcement | Oil resistant synthetic rubber. |
| Cover | High tensile synthetic textile filament yarn. |
| Marking | Oil and weather resistant synthetic rubber. |
| JATCO 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 | 60 | 900 | 100 | AXXM25RSJ01 |

For sizes other than listed above, please contact us

FLEX HOSE

(Straight Ends Type)



Applications

For use as a connecting joint between two pipes, transferring air, water and other non-corrosive liquids.

(Specially designed for underground use)

Tube

Synthetic rubber

Reinforcement

High tensile synthetic fabric with steel helical embedded wire

Cover

Wear and weather resistant synthetic rubber

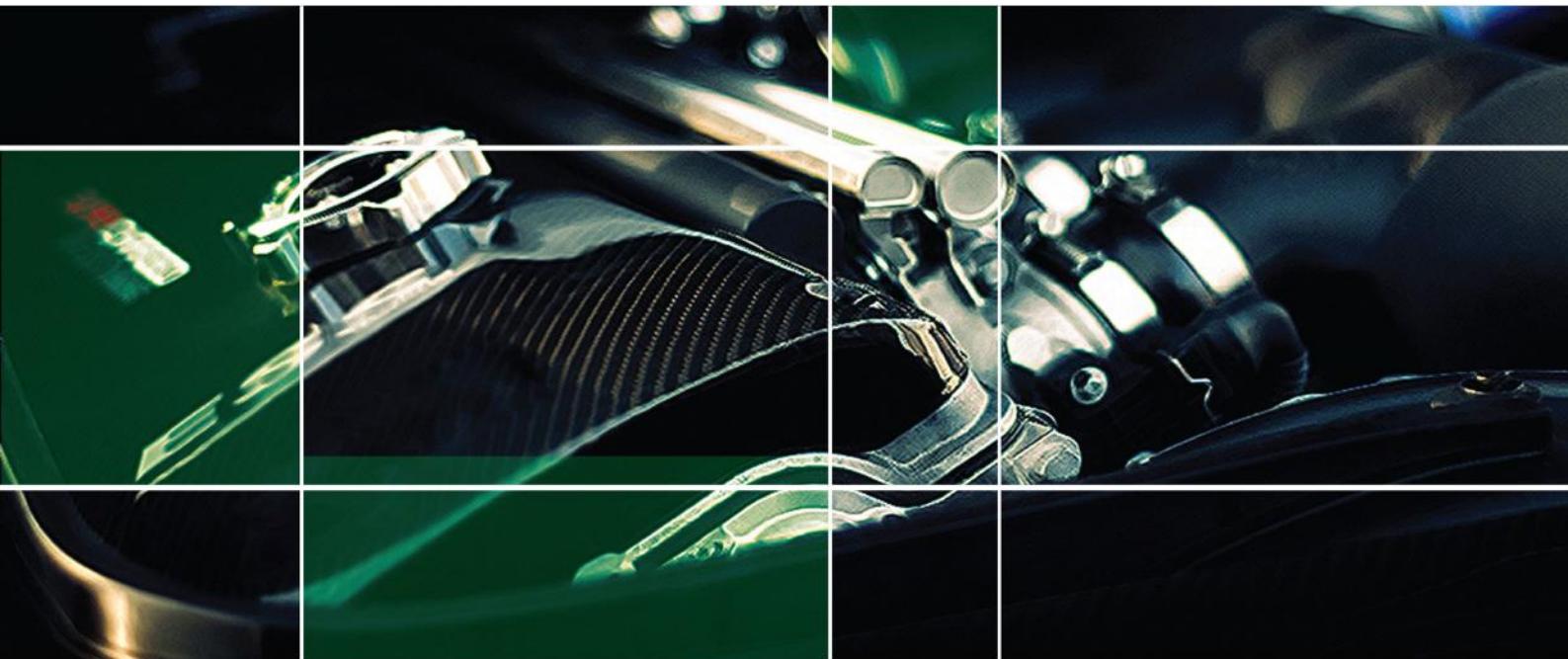
Marking

NCR



| 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 |

AUTOMOTIVE HOSE



CAR HEATER HOSE



| | |
|----------------------|---|
| Applications | For use in connecting engine heater system in the coolant circulating system. |
| Tube | Glycol resistant synthetic rubber |
| Reinforcement | High tensile synthetic textile filament yarn |
| Cover | Oil and weather resistant synthetic rubber |
| Marking | JNCR 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



| | |
|----------------------|--|
| Applications | For conveying CNG (Compressed Natural Gas) or LPG (Liquefied Petroleum Gas) in automotive lines. |
| Tube | CNG/LPG resistant synthetic rubber |
| Reinforcement | High tensile synthetic textile filament yarn |
| Cover | Oil, ozone and weather resistant synthetic rubber |
| Marking | JNCR CNG/LPG HOSE ECE R110 / ECE R67 CLASS 2 ID MM WP 300 PSI |



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 | 40 | 600 | 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



Applications

For conveying fuel/oil in automotive lines and for general usage in contact with fuel/oil.

Tube

Fuel/oil resistant synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Fuel/oil, ozone and weather resistant synthetic rubber

Marking

JNCR FUEL/OIL HOSE SAE J30 R6 ID" WP 300 PSI



SAE J30 R6



"Not designed to be submerged in gasoline"

| 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 | 60 | 900 | 50 | AZNU25BSE01 |

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

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



Applications

Most suitable for conveying ethanol blended gasoline (E20/E85) in combustion engines and for general usage in contact with fuel/oil.

Tube

Fuel/oil resistant synthetic rubber

Reinforcement

High tensile synthetic textile filament yarn

Cover

Fuel/oil, ozone and weather resistant synthetic rubber

Marking

JNCR FUEL/OIL HOSE ID" SAE J30 R7 WP 300 PSI GASOHOL E20/E85



SAE J30 R7



"Not designed to be submerged in gasoline"

| 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 | 12.0 | 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 | 60 | 900 | 25 | AZNU25BSZ01 |

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

FUEL INJECTION HOSE : R9



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

SAE J30 R9



**"Not designed to be submerged
in gasoline"**

| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|----|-----|------|-----|-----|-----|-----|---|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | |
| 1/4 | 6 | 6.3 | 13.3 | 20 | 300 | 60 | 900 | 5 | AZNU06BS101 |
| 5/16 | 8 | 8.0 | 15.0 | 20 | 300 | 60 | 900 | 5 | AZNU08BS101 |
| 3/8 | 9 | 9.5 | 16.5 | 20 | 300 | 60 | 900 | 5 | AZNU09BS101 |

For sizes other than listed above, please contact us

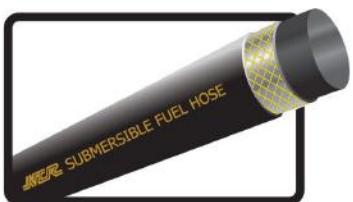
SUBMERSIBLE FUEL HOSE : R10



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



SAE J30 R10



**"Designed to be submerged
in gasoline"**

| 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 |

For sizes other than listed above, please contact us

AIR CONDITIONING HOSE



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



NT type for R-134a

SAE J2064 E1



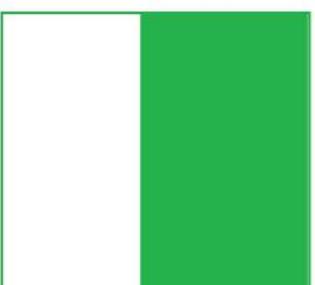
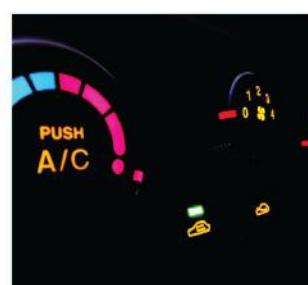
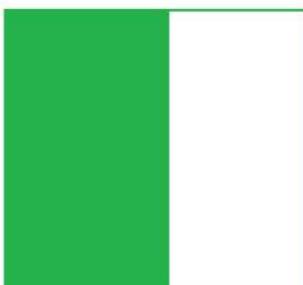
| Nominal ID | | ID | OD | WP | | BP | | L | Product code |
|------------|----|------|------|-----|-----|-----|-------|-----|--------------|
| Inch | mm | mm | mm | bar | PSI | bar | PSI | m | |
| 5/16 | 8 | 8.2 | 15.7 | 30 | 450 | 120 | 1,800 | 100 | AZNR08BSJ03 |
| 13/32 | 10 | 11.0 | 19.0 | 30 | 450 | 120 | 1,800 | 100 | AZNR10BSJ03 |
| 5/8 | 15 | 15.2 | 23.0 | 15 | 225 | 60 | 900 | 100 | AZNR15BSJ03 |

SAE J51 A2

for R-12



| 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 | 1,800 | 100 | AZNR08BSJ01 |
| 13/32 | 10 | 10.6 | 22.3 | 30 | 450 | 120 | 1,800 | 100 | AZNR10BSJ01 |
| 1/2 | 13 | 12.9 | 22.3 | 20 | 300 | 80 | 1,200 | 100 | AZNR13BSJ01 |



BRAKE HOSE



Applications

Tube

Air Brake Hose For use in automotive air brake system.

Reinforcement

Vacuum Brake Hose For use in automotive vacuum brake system.

Cover

Oil resistant synthetic rubber

Marking

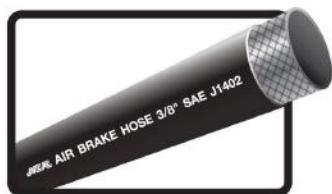
High tensile synthetic textile filament yarn

Heat and ozone resistant synthetic rubber

JNCR AIR BRAKE HOSE ID" SAE J1402 A WP 150 PSI

JNCR VACUUM BRAKE HOSE ID" SAE J1403 L WP 150 PSI

SAE J1402



Air Brake Hose

| 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 |

SAE J1403



Vacuum Brake Hose

| 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 |

WINDSHIELD WASHER TUBING



Applications

Tube

For use in automotive windshield washing system.

Marking

Ozone and tear resistant synthetic rubber, resistant to windshield washer solution.

JNCR 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 |

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