



Industrial & Automotive Rubber Hose

INTER
The Hose Specialist.





Factory



Bangkok office



Bridgestone NCR



NCR-TRB

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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	Industrial Hose
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<hr/>	
25	Automotive Hose <ul style="list-style-type: none"> > Car Heater Hose, CNG/LPG Hose > Fuel / Oil Hose > Air Conditioning Hose > Brake Hose, Windshield Washer Tubing



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.

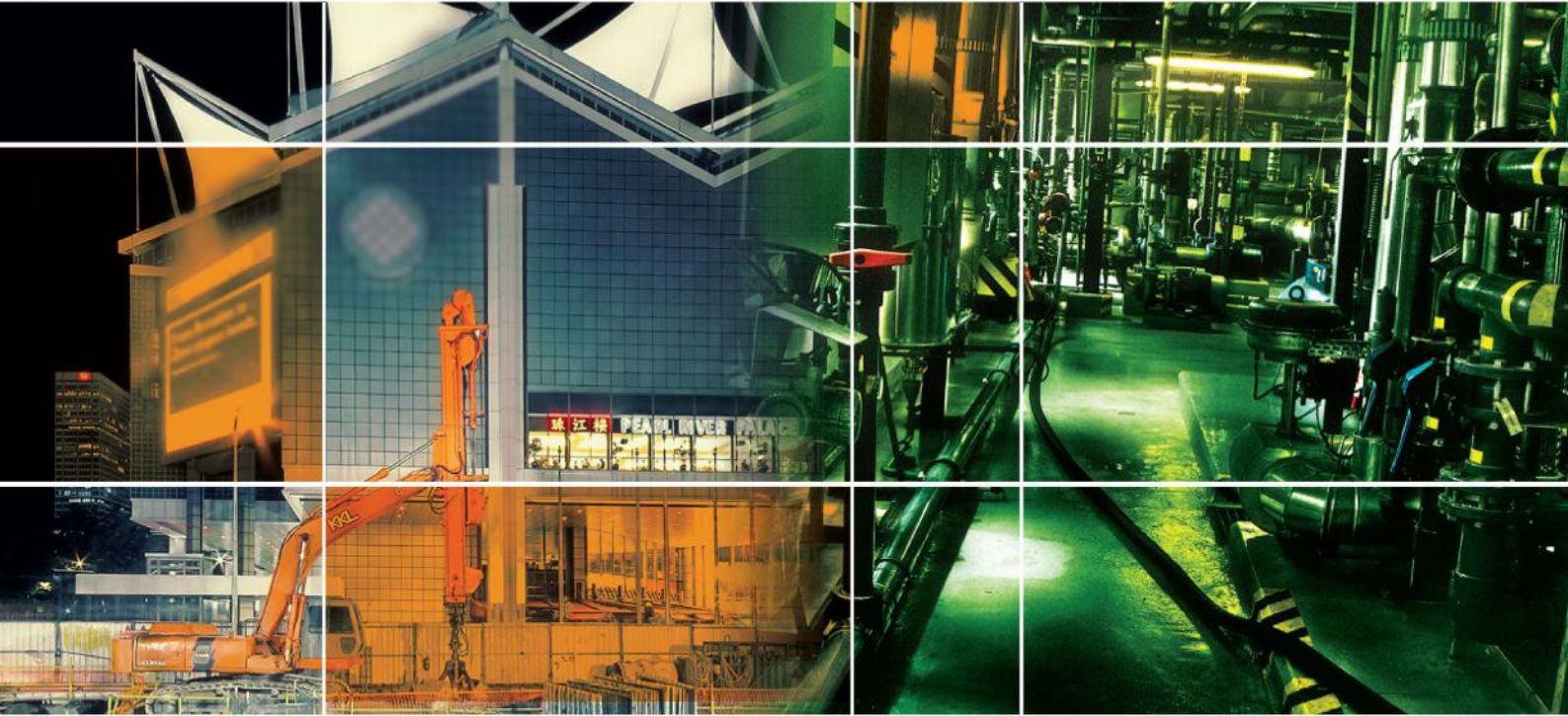
To avoid the adverse effects of high ozone concentration, hose should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Rubber hose should not be stored in locations where the ozone level exceeds 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

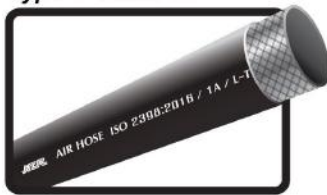
High tensile synthetic textile filament yarn

Cover

Ozone and weather resistant synthetic rubber



ISO 2398 : 2016
Type 1 Class A



Marking

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

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	AZNA19BSE04
1	25	25.4	36.0	10	150	40	600	50	AZNA25BSE04

ISO 2398 : 2016
Type 2 Class A



Marking

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

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	AZNA19BSE05
1	25	25.4	37.0	16	240	64	960	50	AZNA25BSE05

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



Tube

Oil mist resistant synthetic rubber

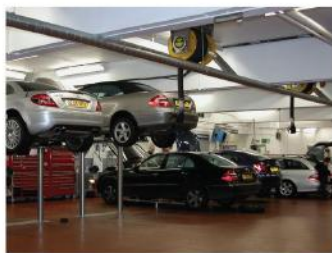
Marking

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



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

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** *JNTER 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

JNER 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** *JNTER 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	292	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** *JNTER 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

JNTER W D150 - 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

JNTER 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



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

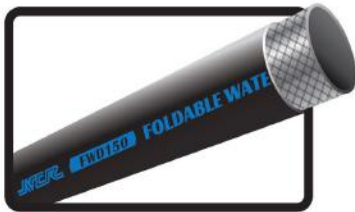
High tensile polyester cord

Cover

High abrasion and weather resistant synthetic rubber

Marking

INTER 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.



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

JNTER 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

JNTER 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

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

JNCR



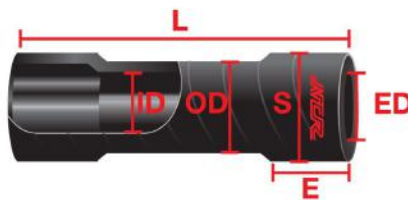
WP 5 kg/cm ² (75 PSI)			
ID	OD	L	Product Code
mm	mm	mm	
203	249	950	BM-2001
254	299	1000	BM-2002
301	347	1050	BM-2003
355	400	1100	BM-2004
410	458	1200	BM-2005
510	569	1300	BM-2006
560	622	1350	BM-2007

WP 8 kg/cm ² (120 PSI)			
ID	OD	L	Product Code
mm	mm	mm	
203	249	950	BM-2015
254	299	1000	BM-2016
301	347	1050	BM-2017
355	404	1100	BM-2018
410	462	1200	BM-2019
510	575	1300	BM-2020
560	626	1350	BM-2021

WP 10 kg/cm ² (150 PSI)			
ID	OD	L	Product Code
mm	mm	mm	
203	249	950	BM-2029
254	299	1000	BM-2030
301	351	1050	BM-2031
355	404	1100	BM-2032
410	465	1200	BM-2033
510	579	1300	BM-2034
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

ID	ED	E	L
mm	mm	mm	mm
203	232	350	950
254	283	350	1000
301	335	350	1050
355	389	350	1100
410	444	350	1200
510	558	350	1300
560	608	350	1350

WP 5 kg/cm ² (75 PSI)		
S	OD	Product Code
mm	mm	
280	249	BM-2043
331	299	BM-2044
383	347	BM-2045
437	400	BM-2046
492	458	BM-2047
616	569	BM-2048
670	622	BM-2049

WP 8 kg/cm ² (120 PSI)		
S	OD	Product Code
mm	mm	
280	249	BM-2057
331	299	BM-2058
383	347	BM-2059
441	404	BM-2060
496	462	BM-2061
623	575	BM-2062
673	626	BM-2063

WP 10 kg/cm ² (150 PSI)		
S	OD	Product Code
mm	mm	
280	249	BM-2071
331	299	BM-2072
387	351	BM-2073
441	404	BM-2074
499	465	BM-2075
627	579	BM-2076
680	633	BM-2077

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

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** | **JNER 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** | **JNER 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

JNTER 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

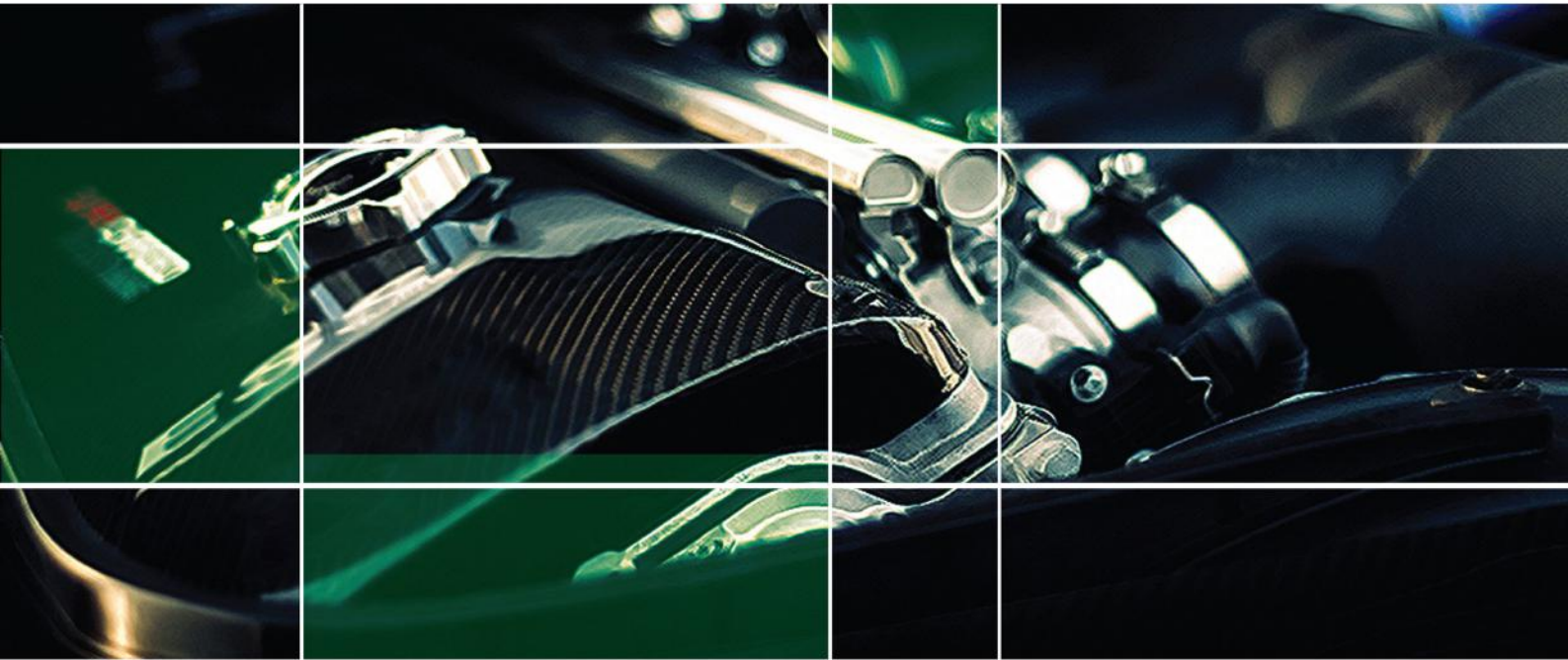
JNTER OSD250 OIL SUCTION & DISCHARGE HOSE - BP 750PSI - WP 250PSI



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

AUTOMOTIVE HOSE



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

INTER 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

INTER 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

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

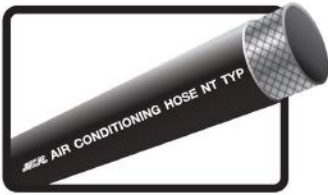
Marking

INTER AIR CONDITIONING HOSE R-12 -ID MM- DIS

INTER AIR CONDITIONING HOSE NT TYPE -ID MM- DIS



SAE J2064 E1



NT type for R-134a

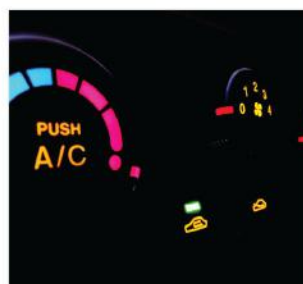
Nominal ID		ID	OD	WP		BP		L	Product code
Inch	mm	mm	mm	bar	PSI	bar	PSI	m	
5/16	8	8.2	15.7	30	450	120	1,800	100	AZNR08BSJ03
13/32	10	11.0	19.0	30	450	120	1,800	100	AZNR10BSJ03
5/8	15	15.2	23.0	15	225	60	900	100	AZNR15BSJ03

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



N.C.R. Rubber Industry Co., Ltd. (Headquarter)

69, 71-73 Bamrungrat Road, Sampanthawong, Bangkok 10100 Thailand.

Tel. (66) 0-2225-7656~7, 0-2622-6992~6

Fax. (66) 0-2224-0791

E-mail: (International BIZ) ncrhose@NCR-Rubber.com

E-mail: (Domestic BIZ) salesadmin@NCR-Rubber.com

N.C.R. Rubber Industry Co., Ltd. (Retail Store)

545-547 Mahachak Road, Sampanthawong, Bangkok 10100 Thailand.

Tel. (66) 0-2224-3502, 0-2224-3519, 0-2223-0168, 0-2221-4563

Fax. (66) 0-2223-0169

E-mail: salesadmin@NCR-Rubber.com

N.C.R. Rubber Industry Co., Ltd. (Factory)

999 Moo 3 Nikompattana, Rayong 21180 Thailand.

Tel. (66) 0-3860-6000~7

Fax. (66) 0-3860-6060

E-mail: factory@NCR-Rubber.com



Official Website :
www.NCR-Rubber.com



NCRTheHoseSpecialist



Channel :
NCR Rubber Channel



ID : @NCR-Rubber