

Industrial Rubber Products Engineered Hoses

THE
NOVAFLEX[®]
GROUP



Ind Hyd Hose Solutions Inc.

ihh-solutions.com



Engineered Hoses

Plied Hose

Hose is built with a smooth or corrugated cover, the plies of reinforcement are uniform throughout the hose. Using various reinforcement types & combinations will effect the rated working parameters of the hose. A continuous helix wire runs the length of the hose. Some can have 2 helix wires.



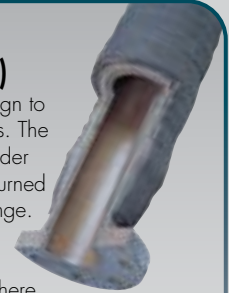
Duck & Rubber Flange

The tube and oil fabric reinforcement is turned up the face of the flange end. A split steel back up flange is fitted to the back of the fabric flange face. Hose and flange are integral. This design is used for light weight flanged connections and where there is or the media conveyed can damage standard steel ends.



Steel Nipple (Rubber Lined)

This is a superior design to duck & rubber flanges. The rubber tube is built under the hose nipple and turned up the face of the flange. This is a stronger end connection. This design is used where there is abrasion or the media conveyed can damage the metal used on end connections. The steel back-up flange rotates to easily mate with the bolt holes on the joining flange, eliminating potential damage from hose torque.



Gimball Hose

Hose is built with a smooth or corrugated cover, the plies of reinforcement are uniform throughout the hose. Special helix rings are built in to the carcass. This provides extra flexibility due to a flex point engineered between each helix ring.



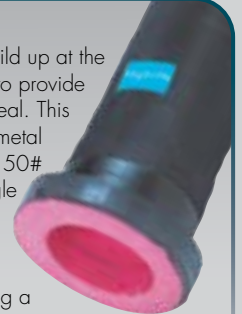
Steel Nipple

Built In Steel Nipples with either fixed or floating flanges. The strongest end connection design that can be used in higher pressure hoses. This design has the hose tube butted up against the hose nipple end, and continued over the built in nipple. This type end is used where the media conveyed is not damaging to the steel connections.



Beaded End

A special angled build up at the hose end designed to provide a rubber to rubber seal. This type hose end uses metal split back-up rings (150# drilling) to fit the angle of the built up area and are used to pull beaded end tight to its connection forming a good seal.



Novalok Ends

Designed for higher pressure than Duck and Rubber ends. Encapsulated steel flanges provides a complete rubber seal and eliminates a need for a gasket. All wetted surfaces are of the same compound as the hose lining.



Hot Sulphur Dock Hose

Heavy Duty high temperature compounds combined in a special hose design to permit excellent flexibility and reliability. Smooth abrasion resistant tube, 6" to 12" ID – lengths to 100'. Built-in nipples & floating flanges, tested to USCG. Temperature Range: -40°F (-40°C) to +350°F (+176°F)



Hot Tar Dock Hose

Heavy Duty high temperature compounds combined in a special hose design to permit excellent flexibility and reliability. High temperature oil resistant tube, 6" to 12" ID – lengths to 100'. Built-in nipples & floating flanges, tested to USCG. Temperature Range: -40°F (-40°C) to +350°F (+176°F)

Custom Expansion Joints & Connectors

Novaflex® offers a wide range of end configurations as shown below in diameters ranging from ½" (1.27 cm) to 24" (61 cm).

Custom ends include: built-in nipple, built-in nipple with flanged end, built-in nipple with rubber faced flanged end, integral flange. Rubber compounds options are as follows: Natural rubber, SBR, EPDM, Nitrile, Neoprene, Hypalon*, UHMW, XLPE, Viton*, and FDA materials.

Reinforcement materials include: polyesters, nylons, fiberglass, Nomex* and Kevlar*.

Novaflex® manufacturing operations are capable of producing a broad range of custom hose constructions.

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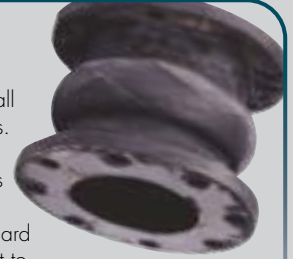
Built-in Nipples on Custom Made Dock Hose

3261, 3265, 3267 and 3268
Dock hose constructions can be supplied with built in nipples. All assemblies are tested to USCG standards. Hose can be built to be conductive or non-conductive. Fixed or floating flanges are standard.



Novaflex Single Arch Expansion Joint

Engineered flexible connectors install easily in a variety of piping systems. This protects the system from damage due to vibration and stress created by thermal expansion and contraction. Unusual and non-standard sizes and styles can be custom built to specification.



Novaflex Double Arch Expansion Joint

Connectors are custom made to protect your piping system from stress caused by vibration and thermal expansion and contraction. Both ends, full face flanged. Food grade. Available in a variety of materials and configurations.



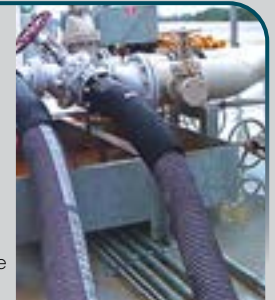
Novaflex Pinch Valve Sleeve

Ideal for use in valves for slurry and solids handling. Manufactured with a variety of rubber compounds and synthetic fabrics to meet the abrasion requirements and burst ratings of the desired application. Unusual and non-standard sizes and styles can be custom built to specification.



Novaflex Bend Restrictors

A better way to move the tangent/flex point away from the end of the coupling system. Long lasting ozone resistant EPDM rubber blend bend restrictors provide increased service life on hose connections. Reduce risk of premature hose wear due to kinking and hose fatigue at tangent point.



Custom Expansion Joints & Connectors

Novaflex Hump Hose

Custom engineered transitory connector for use in venting applications where vibration or thermal expansion and contraction is present. Extremely flexible and ideal for applications up to +600°F. Available in custom polymers and configurations.



Novaflex Street Sweeper - Leaf Collector

Outstanding for leaf collection and light vacuum applications on street cleaning equipment. Custom designed to exact specifications.



Novaflex Spool Piece

Connectors are custom made to meet individual requirements. Full faced flanged by beaded end. Available in many polymers. Non standard and unusual sizes also available.



Novaflex Multiflex Connector

These connectors install easily into a variety of piping systems. This protects the system from damage due to vibration and movement. Available in a variety of materials and configurations to meet all piping system and fluid processing needs.



Novaflex Single Arch Bellow

Flexible connectors engineered to customer requirements to protect piping systems. Single arch with soft cuffs Available in a variety of materials and configuration



Novaflex Multiflex Connector

Heavy duty high temperature. These connectors install easily into a variety of piping systems. This protects the system from damage due to vibration and movement. Available in a variety of materials and configurations to meet all piping system and fluid processing needs.



Novaflex Double Arch Bellow

Custom engineered connectors install easily into a variety of piping systems. Soft cuffs at both ends. Available in a variety of materials and configurations according to application.



Novaflex End Configurations

Custom made to suit any piping system. Both ends are flanged. Available in a variety of materials and configurations. Non-standard sizes are our specialty

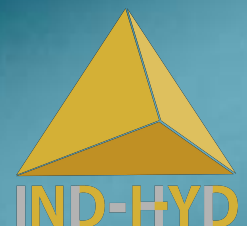


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