

Industrial Rubber Products

Debris Collection / Boom Hose



Ind Hyd Hose Solutions Inc.

ihh-solutions.com



Thermoplastic Material Handling

Novaflex TPU

Urethane Heavy Duty Vacuum Hose

All extruded construction, lightweight alternative to cumbersome rubber hose. Designed specifically for transfer of abrasive materials under vacuum, from storage tanks, barges and tankers, including underwater applications in aquaculture; hatchery, pen transfer and stream release.

Construction:

Material: Urethane wall, urethane encapsulated rigid PVC helix

Weight: 6" diameter = 2.5 lbs/ft

Length: 50 ft

Color: Extruded Transparent Blue TPU

Temperature Range: -50°F (-46°C) to +200°F (+93°C)

Working Pressure: 6" to 30psi (2 Bar)

Rated for full vacuum

Available with copper static wire. Style No: 9SFTPUXHW



Static Conductor* Medium Duty Material Handling Hose

A flexible conductive hose designed to allow for safe grounding during wet and dry material transfer operations.

This hose is lightweight with a smooth interior for optimum flow.

Construction:

Material: TPR co-polymer with rigid plastic external scuff guard

Diameters: 2" to 6"

Weight: 4" I.D. = 1.4 lbs

Length: Diameters 2" to 4" 100 ft,

6" Diameter 50ft

Color: Red with black scuff guard

Temperature Range: -40°F (-40°C) to + 200°F (+93°C)

Working Pressure: 6" to 30psi (2 Bar)

Style No: 9NFSCAP

*Conductivity of hose should be tested regularly. Test with OHMS meter using conductive fittings inserted into each end of hose.



Novaflex Yellow Jack

Pumper-Sanitation Hose

A smooth interior for optimum flow and unique crush resistance. An external wear rib prevents damage from abrasion. Used for liquid transfer; sanitary and cesspool. Suction; construction and quarry. Suction service; machine and tank liquid transfer and more.

Construction:

Material: Eva/Polyethylene co-polymer

Length: 1 1/2" to 3" diameter: 10ft, 20ft, 25ft, 30ft,

50ft, 60ft. 4" diameter: 10ft, 20ft, 25ft

Temperature Range: -40°F (-40°C) to +140°F (+93°C)

Working Pressure: 3" to 20psi (1.3 Bar)

Not for steam service. Rated for full vacuum.

Style No: 9NFYUJK



NovaFlex SF-TPU .045 thou wall

Urethane Leaf Collector Hose

An economical alternative to cumbersome rubber hose.

Polyurethane wall for superior abrasion resistance.

UV stabilized for outdoor use. Lightweight, good flexibility, smooth interior for optimum flow.

Encapsulated wire helix. For use with leaf collection,

medium duty material handling equipment, plant

debris collection.

Construction:

Material: 0.045" translucent blue urethane,

encapsulated wire

Diameters: 2" to 18"

Weight: 6" = 1.4 lbs/ft, 8" = 1.9 lbs/ft

Length: Up to 8" diameters 25ft & 50ft

10" diameters and up 25 ft

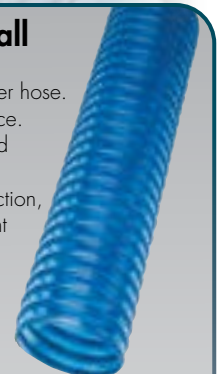
Compression Ratio: 2:1

Temperature Range: -65°F (-54°C) to +200°F (+93°C)

Colour: Blue with blue wear strip.

Also available in black & clear; minimum quantity required.

*Available in 0.060" gauge clear 8" to 14" diameter.



Novaflex HDAP

All Purpose Thermoplastic Rubber Hose

Wet And Dry Material Handling

Heavy duty thermoplastic inner tube with fully encapsulated external helix. Heavy wall for industrial use. Good chemical resistance.

Abrasion resistance for medium duty material handling, with smooth interior for superior product flow.

Construction:

Material: Thermoplastic rubber

Weight: 3" = 1.4 lbs/ft

Length: Diameters 2" to 4", 100ft lengths

Diameters 5" to 8", 50ft lengths

Temperature Range: -65°F (-46°C) to +200°F (+93°C)

Working Pressure: 6" to 30psi (2 Bar)

Color: Black with external helix

Rated for full vacuum.

Style No: 9SFHDAP



Madvac

Debris Collection / Boom Hose

NovaFlex 5010YG Sludge Slayer™ Hose 1/4"

Novawear YG tube

Heavy duty material handling hose designed for portable and central industrial vacuum equipment as well as truck mounted applications.

The 1/4" *ultra* abrasion resistant Novawear YG yellow tube is designed to resist cutting, tearing and wear from abrasive media (non-oily) conveyed. This heavy helix wire is designed to resist kinking and crushing as well as provide full vacuum service. Increase your hose in those rugged applications with Sludge Slayer 5010YG.

Sludge Slayer is also available in the white Novawear WG tube. This 3/16" tube offers economy and provides very good abrasion resistance.



Debris Collection / Boom Hose

NOVA-VAC™ 5049BG Boom Hose

Heavy duty corrugated vacuum hose. Corrugated outer cover for ease of handling. Designed for full vacuum boom applications. Smooth inner tube for enhanced material flow. Abrasion resistant tube for extended wear.

Construction:

Tube: Black smooth abrasion resistant rubber.

Available in RG and YG.

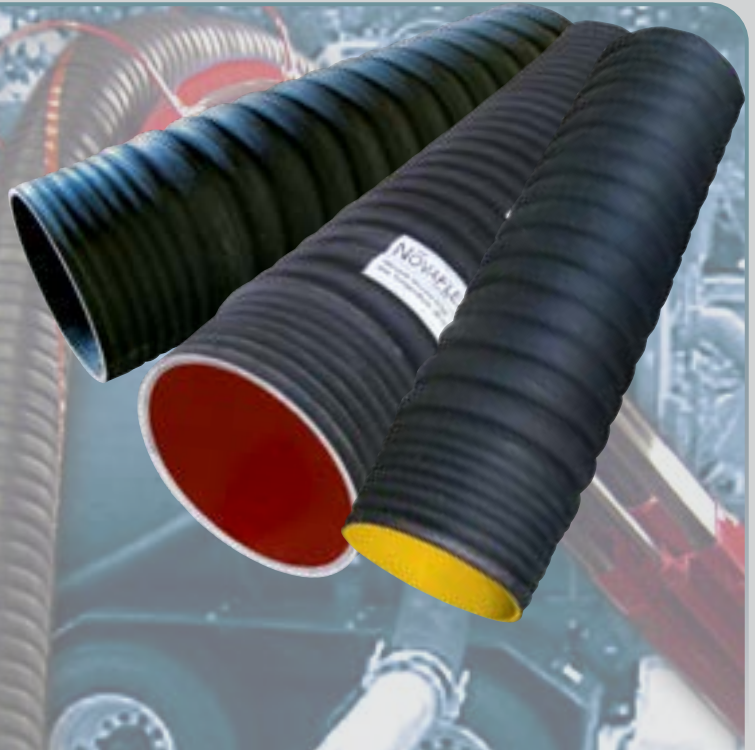
Reinforcement: Helix wire and textile.

Cover: Black abrasion resistant rubber.

Length: Standard lengths and made to order.

Temperature: -40°F (-40°C) to +160°F (+71°C)

Style No: 5049BG



Hydro Vacuum / Street Sweeping Hose

Nova-Vac™ 5053YG Tapered Connector Sleeve

Designed to meet O.E.M.'s specifications for serviceability. This abrasion resistant smooth tube with full vacuum tapered sleeve is used to connect different size piping on vacuum truck applications for sound dampening and vibration elimination.

Construction:

Tube: Novawear YG smooth abrasion resistant rubber
 Reinforcement: Helix wire and textile
 Cover: Black abrasion resistant rubber
 Length: Standard lengths and made to order
 Temperature: -40°F (-40°C) to +160°F (+71°C)
 Also available in Black standard Novaware BG tube
 Style No: 5053YG



Nova-Vac™ 5052BG Straight Connector Sleeve

Designed to meet O.E.M.'s specifications for serviceability. This abrasion resistant smooth tube and full vacuum sleeve is used to connect different size piping on vacuum truck applications for sound dampening and vibration elimination.

Construction:

Tube: Black smooth abrasion resistant rubber
 Reinforcement: Helix wire and textile
 Cover: Black abrasion resistant rubber
 Length: Standard lengths and made to order
 Temperature: -40°F (-40°C) to +160°F (+71°C)
 Style No: 5052BG



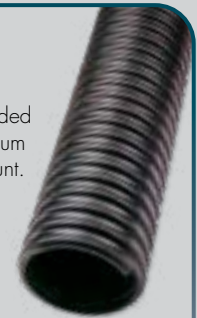
NovaFlex HDAP

All Purpose Thermoplastic Rubber Hose

Heavy duty thermoplastic inner tube with fully encapsulated plastic, external wear strip. All extruded thermoplastic heavy wall hose. Designed for medium duty material handling where flexibility is paramount. Good chemical and temperature resistance with smooth interior for superior product flow.

Construction:

Material: Thermoplastic rubber
 Diameters: 2" to 8"
 Weight: 3" = 1.4 lbs/ft
 Length: Diameters 2" to 4" 100ft lengths,
 Diameters 5" to 8" 50ft lengths
 Temperature Range: -65°F (-54°C) to +160°F (+71°C)

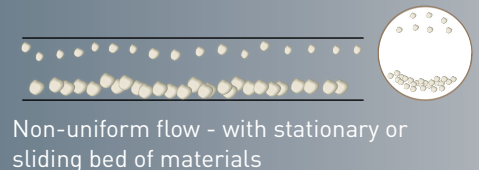
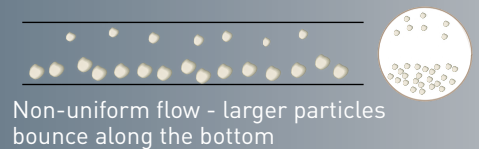
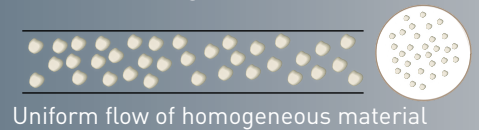


Hose Wear

Abrasion is wear or undesirable removal of material from the surface of the hose tube. The degree of wear and or abrasion varies widely and is determined by some of the following factors:

- Material transferred (e.g. size, sharpness, size, distribution, hardness)
- Velocity - flow rate, turbulence
- Angle of material impact - affected by bend radius
- Slurry or dry
- Contamination elements - presence of oil or chemicals (PH value of slurry liquid)
- Temperature

To avoid sediment settling in a hose, mixture needs to keep flowing or turbulent. Deposits on the bottom of the conveying hose reduce efficiency and may cause clogging. Depending on the proportion of liquid to solids as well as the flow rate, material may be carried along in one of the following ways:



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



Contact Us

+1 (305) 225 7149

contact@ihh-solutions.com

P.O. Box 940456 Miami, Florida 33194



ihh-solutions.com