

# Industrial Rubber Products

Abrasive Material Handling, Mining Hose

THE  
**NOVAFLEX**<sup>®</sup>  
GROUP



**Ind Hyd Hose Solutions Inc.**

[ihh-solutions.com](http://ihh-solutions.com)



## Abrasive Material Handling, Mining Hose

### Slurry King

#### Reusable Hose & Flange System

The easy handling and reusable quick-fastening flange system make installation a snap. Can be cut on site for immediate installation. No welding necessary.



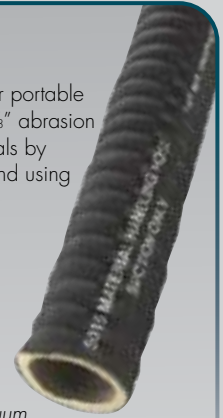
### Novaflex 5015

#### Material Handling Hose 1/8" Gum Tube

Lightweight material handling hose designed for portable and central industrial vacuum equipment. The 1/8" abrasion resistant tube is ideal for conveying light materials by gravity flow or at low working pressures. (Ground using helix wire to make static conductive).

#### Construction:

Tube: 1/8" Tan gum  
Reinforcement: Plies of fabric with helix wire  
Cover: SBR-Black corrugated  
Length: 50 ft (15.2m) Ends: Plain or soft cuffs  
Temperature Range: -40°F (-40°C) to +160°F  
Rated full vacuum to 6" diameters  
Available in heavier duty 1/4" gum tube full vacuum to 6" diameter for truck mount applications and other.  
Style 5016TG



### Novaflex 5000

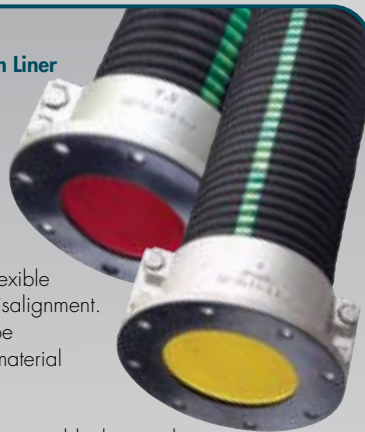
#### Slurry King Hose - Pure Gum Liner 150psi WP

Tough, versatile alternative to inflexible, cumbersome steel tubing. Absorbs system vibration and saves wear on equipment. Compensates for thermal expansion and contraction, reduces noise. Flexible connection for hard piping misalignment. Available with many inner tube compounds to meet specific material handling needs.

#### Construction:

Tube: Black abrasion, red abrasion, black natural or pure gum  
Reinforcement: Fabric and helix wire  
Cover: Ozone and ultra violet resistant  
Temperature Range: -40°F (-40°C) to +160°F (+71°C)  
Working Pressure: 150psi (10 Bar) (depending on compound)  
Style No: 5000PG  
Length: 60 ft (18.3m).  
Available in a variety of tube gauges ranging from: 1/8", 3/16", 1/4", 5/16", 3/8", 1/2"

**Novaflex 5001PG** also available in lower pressure version 100psi (7 Bar).



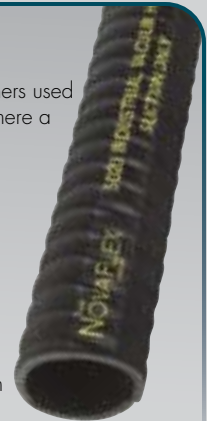
### Novaflex 5020

#### Industrial Vacuum Hose

Designed for light duty commercial vacuum cleaners used in foundries, factories and similar applications where a flexible and lightweight construction is preferred.

#### Construction:

Tube: 1/6" abrasion resistant.  
Reinforcement: Fabric with helix wire  
Cover: Black corrugated  
Length: 50 ft (15.2m)  
Ends: Plain. (Also available with cuffs.)  
Temperature Range: -40°F (-40°C) to +160°F (+71°C)  
Rated full vacuum to 4" Diameters (Depending on compound)  
Style No: 5020BG



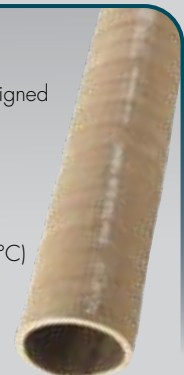
### Novaflex 5164

#### Tan Gum Tubing

Wrapped finish, mandrel made tan gum tubing designed for a variety of industrial, construction and chemical applications.

#### Construction:

Tube: Tan gum  
Length 50 ft (15.2m)  
Temperature Range: -40°F (-40°C) to +140°F (+60°C)  
Durometer: 42 duro  
Available in EPDM; SBR; Nitrile and Neoprene.  
A large variety of diameters available ranging from 1 1/4" to 24" upon request.  
Style No: 5164TG



## Abrasive Material Handling, Mining Hose

### Novaflex 5331

#### Dredge Sleeves/ Sand Discharge Hose

A specially compounded abrasive resistant and static conductive tube. This hose is manufactured to very close O.D. tolerances.

#### Construction:

Tube: Black abrasion resistant synthetic rubber.

Reinforcement: Polyester tire cord.

Cover: Black abrasion and weather resistant synthetic rubber.

Length: 20 ft (6.1m)

Temperature Range: up to +180°F (+82°C)

Working Pressure: 150psi (10 Bar)

Style No: 5331BS



### Novaflex 5772

#### Bulk Material Discharge Hose

Abrasion resistant hose designed for transferring dry bulk material such as cement, sand, lime, fertilizers, etc. Static dissipating tube is designed to resist cutting and abrasion. Cover is abrasion, age and weather resistant.

#### Construction:

Tube: Black abrasion resistant static conductive natural rubber blend.

Reinforcement: Multiple plies of tire cord.

Cover: Black synthetic rubber.

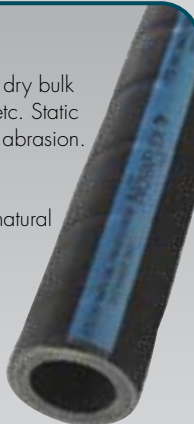
Length: 100 ft (30.5m).

Temperature Range: -10°F (-23°C) to +180°F (+82°C)

Working Pressure: 4" 75psi (5 Bar)

Style No: 5772BG

Available with 1/8" tube gauge, Style 5770BG; or 3/16" tube gauge, Style 5771BG



### Novaflex 5787

#### Concrete Pumping Hose

High pressure hose designed to handle the pumping of concrete, plaster or grout mixture. All purpose cover provides excellent flexibility and wear resistance to abrasive slurries.

#### Construction:

Tube: Abrasion resistant static dissipating SBR.

Reinforcement: tire cord

Cover: Black EPDM/SBR

Length: 100 ft (30.5m)

Temperature Range: -20°F (-29°C) to +160°F (+71°C)

Safety Factor: 2:1

Working Pressure: 2" to 800psi (55 Bar),

3" to 500psi (34.5 Bar) 4" to 400psi (27.5 Bar)

Style No: 5785BG



## Abrasive Material Handling, Mining Hose

### Novaflex 5332

#### Sand Suction Hose

A specially compounded abrasive resistant and static conductive tube. This hose is manufactured to very close O.D. tolerances.

#### Construction:

Tube: Black abrasion resistant synthetic static conductive rubber  
Reinforcement: Polyester tire cord with helix wire  
Cover: Smooth black abrasion and weather resistant synthetic rubber.  
Length: 20 ft (6.1m)  
Temperature Range: Up to +180°F (+82°C)  
Working Pressure: 4" to 150psi (10 Bar), 6" to 12" to 100psi (7 Bar)  
Rated for full vacuum  
Style No: 5332BS



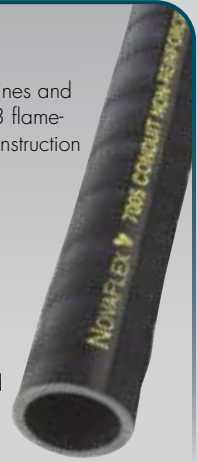
### Novaflex 7005

#### Mining Conduit Hose (Non Reinforced)

Recommended for electrical cable protection in mines and on mining equipment. Meets MSHA 2G-1C-34/3 flame-resistance requirements and is non-conductive. Construction maintains open I.D. for easy application.

#### Construction:

Tube: Black synthetic rubber  
Cover: Black synthetic rubber  
Length: 50 ft (15.2m)  
Ends: Plain  
Temperature Range: -25°F (-32°C) to +200°F (+93°C)  
Also available with fabric reinforcement for added service life.  
Style No: 7005BS  
**CAUTION:** *Not to be used as an insulator.*



### Novaflex AF Liner

A low pressure hose, designed to be extremely light weight, but offer high flexibility and abrasion resistance in vacuum and discharge applications.

#### Construction:

Tube: 1/8" ultra high abrasion resistant red natural rubber  
Reinforcement: Multiple plies of fabric with steel helix  
Cover: Rubberized fabric  
Temperature Range: 30°F (-35°C) to +140°F (+60°C)  
Working Pressure: 2" to 30psi (2 Bar), 4" to 25psi (1.7Bar), 6" to 16psi (1.1 Bar), 8" to 12psi (0.8 Bar),  
Available in many other tube compounds.  
Integral soft cuffs available upon request.  
Style No: 3MBAF2RA



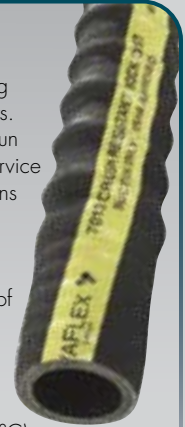
### Novaflex 7013

#### Crush Resistant Rock Dust Hose

Recommended for conveying rock dust from blowing machines in coals mines. Meets MSHA requirements. Hose will rebound when crushed by equipment or run over by rubber wheels. Highly recommended for service where heavy abuse is expected. Plastic rod maintains open I.D. in tight bends.

#### Construction:

Tube: Abrasion resistant, static-conductive  
Reinforcement: Helical plastic rod between 2 plies of fabric  
Cover: Black flame resistant, corrugated.  
Length: 50 ft (15.2m)  
Ends: Soft cuffs  
Temperature Range: -30°F (-35°C) to +180°F (+82°C)  
Working Pressure: 1 1/2" to 100psi (7 Bar), 2" to 85psi (6 Bar)  
Style No: 7013BG



### Novaflex 5500BE

#### Molten Sulphur Hose

Novaflex Molten Sulphur 5500BE is made for use in loading and unloading barges, ships and tank trucks. This is an engineered hose designed with a high temperature EPDM tube with built in nipples and flanges.

#### Construction:

Tube: Special high temperature EPDM  
Reinforcement: Multiple plies of polyester tire cord with helix  
Cover: Black EPDM  
Length: 100 ft (30.5m)  
Operating Temperature Range: +300°F (+149°C) (intermittent to 350°F (177°C))  
Working Pressure: 200psi (14 Bar)  
Style No: 5500BE



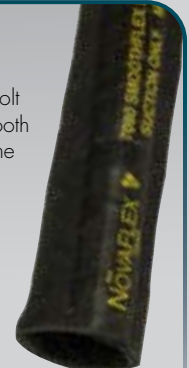
### Novaflex 7080

#### Smooth-Flex Mine Rock Dust Collector Hose

Recommended for mining dust collectors and roof-bolt drills where cover wear and drag is important. Smooth cover prevents excessive drag on moving arms of the equipment. Meets MSHA requirements.

#### Construction:

Tube: Abrasive-resistant, static-conductive  
Reinforcement: Helical wire with single ply of nylon fabric  
Cover: Black flame resistant, smooth  
Length 50 ft. Ends: Soft cuffs/plain.  
Working Pressure: 2" 50psi (3.5 Bar)  
Temperature Range: -30°F (-35°C) to +180°F (+82°C)  
Style No: 7080BG



## Abrasive Material Handling, Mining Hose

### Novaflex 7086

#### Superflex Dust Collector Hose

Recommended for mining dust collectors and roof-bolt drills. Corrugated cover gives good flexibility and bend radius. Meets MSHA requirements.

#### Construction:

Tube: Abrasive-resistant, static-conductive

Reinforcement: Helical wire with single ply of nylon fabric

Cover: Black flame resistant, corrugated.

Length: 50 ft (15.2m)

Ends: Soft cuffs

Temperature Range: -30°F (-35°C) to +180°F (+82°C)

Working Pressure: 1½" to 50psi (3.4 Bar),

2" to 45psi (3.1 Bar), 4" to 30psi (2 Bar)

Style No: 7086BG

**Novaflex 7080BG** Available in smooth cover



### Novaflex 143

#### PVC Conduit Hose

#### MSHA Flame Resistant

An excellent cable cover for the mining industry. Low cost, flexible and easy to install. Meets the requirements of MSHA 1C-14/2. Split lengthwise for simple installation.

#### Construction:

Tube: PVC

Cover: PVC

Length 50ft & 100ft

Temperature Range: -20°F (-29°C) to +120°F (+49°C)

Style No: 143WL



# 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

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