



Sweeper & Vacuum Truck Hoses

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 3/8" tube offers economy and provides very good abrasion resistance.

I.D."	O.D." OD"	YG OD"	Yellow Tube = YG White Tube = WG Part No.	MBR"	Vac Hg	WG WT lbs/ft.	YG WT lbs/ft
2½	3.61	3.38	5010WG-02500-56	10	29	3.29	2.28
3	3.11	3.88	5010WG-03000-56	12	29	3.85	2.70
4	5.12	4.87	5010WG-04000-56	16	29	5.12	3.77
6	6.95	6.89	5010WG-06000-56	24	29	6.05	5.73
8	9.05	8.93	5010WG-08000-56	36	29	8.45	9.31

Novaflex 5011 Vacuum Boom or Port Hose

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

Construction:

Tube: 3/16" (4.76mm) Tan abrasion resistant rubber. Reinforcement: Plies of fabric with helix wire
Cover: Black corrugated. Length: 50ft (15.24m). Temperature Range: -40°F (-40°C) to +160°F (+71°C)

I.D."	O.D."	Part No.	MBR"	Vac Hg	Wt lbs/ft.
2½	3.36	5011TG-02500-56	9	29	2.90
3	2.86	5011TG-03000-56	11	29	3.40
4	4.87	5011TG-04000-56	15	29	4.60
6	6.70	5011TG-06000-56	22	29	5.30
8	8.80	5011TG-08000-56	30	29	7.20

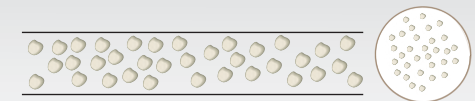


Hose Wear

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

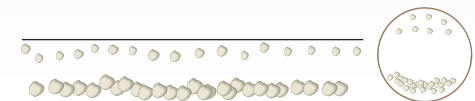
To avoid sediment settling in a hose, mixture needs to keep flowing or turbulent. Deposits on the bottom of the conveying hose reduce efficiency and may cause clogging. Depending on the proportion of liquid to solids as well as the flow rate, material may be carried along in one of the following ways:



Uniform flow of homogeneous material



Non-uniform flow - larger particles bounce along the bottom



Non-uniform flow - with stationary or sliding bed of materials

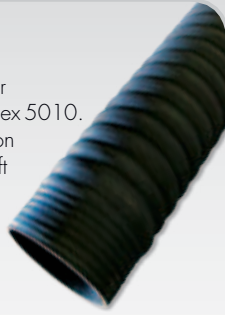
Debris Collection/ Boom Hose

Nova-Vac™ 5049BG Boom Hose

Designed to meet O.E.M.'s specifications for serviceability and more flexible than NovaFlex 5010. This flexible full vacuum hose has an abrasion resistant smooth tube with 4" (101.6mm) soft cuffs on each end for easy installation.

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)



I.D."	Part No.	Length"	Vacuum
6	5049BG-06000-00-103	103	29 Hg
6	5049BG-06000-00-240	240	29 Hg
8	5049BG-08000-00-103	103	29 Hg
8	5049BG-08000-00-120	120	29 Hg
8	5049BG-08000-00-127	127	29 Hg
8	5049BG-08000-00-240	240	29 Hg

Other I.D.'s up to 12" (305mm) available upon request

Nova-Vac™ 5050YG Ultra High Abrasion Boom Hose

Designed to provide superior service life in heavy wear applications. A flexible, full vacuum hose. In addition to the same construction as Nova-Vac™ 5049BG is a **ultra** high abrasion resistant, smooth yellow tube and 4" (101.6mm) cuffs on each end for easy installation.

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)



I.D."	Part No.	Length"	Vacuum
6	5050YG-06000-00-103	103	29 Hg
6	5050YG-06000-00-240	240	29 Hg
8	5050YG-08000-00-60	60	29 Hg
8	5050YG-08000-00-103	103	29 Hg
8	5050YG-08000-00-120	120	29 Hg
8	5050YG-08000-00-127	127	29 Hg
8	5050YG-08000-00-240	240	29 Hg

Other I.D.'s up to 12" (305mm) available upon request.
Also available in high abrasion red rubber abrasion resistant tube.

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)



I.D."	Part No.	Length"	Vacuum
6	5052BG-08000-98-010	10	29 Hg
8	5052BG-09625-98-010	10	29 Hg
10	5052BG-10000-98-010	10	29 Hg

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)



I.D."	Part No.	Length"	Vacuum
8 x 10	5053YG-08000-98-010	10	29 Hg
9 5/8 x 12	5053YG-09625-98-010	10	29 Hg
10 x 12	5053YG-10000-98-010	10	29 Hg

Nova-Vac™ 5055BG Boom Connector Hose

Designed to meet O.E.M.'s specifications for serviceability. This abrasion resistant smooth tube, full vacuum hose 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)



I.D."	Part No.	Length"
8	5055BG-08000-00-060	60
8	5055BG-08000-00-062	62
8	5055BG-08000-00-66	66
8	5055BG-08000-00-72	72

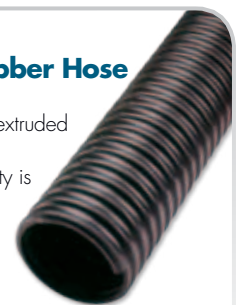
Other I.D.'s up to 12" (305mm) available upon request

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" (51mm) to 8" (203mm)
Weight: 3"(76mm) = 1.4 lbs/ft (.635k)
Length: Diameters 2"(51mm) to 4" (102mm), 100ft (30.48m) lengths;
Diameters 5"(127mm) to 8" (203mm), 50ft (15.24m) lengths
Temperature range: -65°F (-54°C) to +160°F (+71°C)



I.D."	O.D."	Part No.	WP(psi)	Vacuum	Bend Radius	Wt./Ft.
2	2.77	9SFHDAPO2	40	29 Hg	2	0.97
4	4.67	9SFHDAPO4	30	29 Hg	5	1.70
6	6.85	9SFHDAPO6	30	28 Hg	10	1.90
8	8.99	9SFHDAPO8	30	27 Hg	15	3.80

Leaf and Debris / Collection Hose

Nova-Green™ Urethane Hose

A lightweight urethane alternative to cumbersome PVC hose. Designed specifically for the landscaping market. Nova-Green all urethane tube provides superior abrasion resistance and excellent flexibility. The hose features a smooth interior with a uniform .045" wall gauge for even abrasion resistance throughout. The exposed rigid helix allows the hose to drag easily across surfaces when the hose is fully charged while providing protection to the hose wall.

Applications:

Terra-seeding, Bark Blowing
Mulch Blowing

Construction:

Material: UV stabilized urethane wall, rigid plastic helix
Diameters: 2" (51 mm) to 6" (152 mm)
Lengths: 50ft (15.24) and 100ft (30.48 mm)
Temperature range: -50°F (-45°C) to 200°F (+93°C)
Color: Clear wall with green helix



I.D."	Part No.	Length	WP (PSI)	Vacuum
2	9NFNOVAGREEN02	50', 100'	35	30 Hg
3	9NFNOVAGREEN03	50', 100'	30	30 Hg
4	9NFNOVAGREEN04	50', 100'	21	30 Hg
5	9NFNOVAGREEN05	50', 100'	18	23 Hg
6	9NFNOVAGREEN06	50'	16	23 Hg

NovaFlex™ TPU Heavy Duty Urethane Vacuum Hose

All extruded construction, lightweight alternative to cumbersome rubber hose. Designed specifically for transfer of abrasive materials under vacuum.

Applications:

Dewatering, material transfer and suction, debris collection

Construction:

Material: Extruded polyurethane wall, rigid PVC helix
Diameters: 4" (102 mm), 6" (152 mm), 8" (203 mm)
Weight: 6" diam. = 2.5lbs/ft
Lengths: 50 ft lengths
Temperature range: -50°F (-46°C) to +200°F (+93°C)
Colour: Extruded Transparent Blue TPU
Rated for full vacuum. Available with copper static wire



I.D."	Part No.	Length	Wall	Vacuum
4	9SFTPUX_FV04	50'	0.06	29 Hg
6	9SFTPUX_FV06	50'	0.06	29 Hg
8	9SFTPUX_FV08	25'	0.06	25 Hg

Nova-Vac™ 5063BG Leaf / Debris Hose

Designed to meet O.E.M.'s specifications for serviceability. This highly flexible, internally and externally corrugated vacuum hose has a high abrasion resistant rubber tube with 4" (102mm) soft cuffs on each end for easy installation.

Construction:

Tube: Black corrugated abrasion resistant rubber
Reinforcement: Helix wire and textile
Cover: Black corrugated abrasion resistant rubber
Temperature range: -40°C (-40°C) to 160°F (+71°C)



I.D."	Part No.	Length	Vacuum
12	5063BG-12000-00-048	48	4 Hg
12	5063BG-12000-00-100	100	4 Hg
12	5063BG-12000-00-120	120	4 Hg
12	5063BG-12000-00-144	144	4 Hg
14	5063BG-14000-00-048	48	4 Hg
14	5063BG-14000-00-100	100	4 Hg
14	5063BG-14000-00-120	120	4 Hg
14	5063BG-14000-00-144	144	4 Hg
16	5063BG-16000-00-048	48	4 Hg
16	5063BG-16000-00-100	100	4 Hg
16	5063BG-16000-00-120	120	4 Hg
16	5063BG-16000-00-144	144	4 Hg
18	5063BG-18000-00-120	120	4 Hg

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.

Applications:

Leaf collection equipment
Medium duty material handling
Plant debris collection

Construction:

Material: 0.045" translucent blue urethane, encapsulated wire
Diameters: 2" (51 mm) to 18" (457.2mm)
Weight: 6" (152mm) = 1.4 lbs/ft (.635k), 8" (203mm) = 1.9 lbs/ft (.86k)
Lengths: Up to 8" (203mm) diameters 25ft (7.62m) & 50ft (15.24m)
10" (254mm) diameters and up 25ft (7.62m)
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" (203mm) to 14" (356mm) diameter.



I.D."	Part No.	Length	Wall	Vacuum
6	9SFTPUW06HW	25', 50'	0.045	23 Hg
8	9SFTPUW08HW	25', 50'	0.045	13 Hg
10	9SFTPUW10HW	25'	0.045	6 Hg
12	9SFTPUW12HW	25'	0.045	5 Hg
14	9SFTPUW14HW	25'	0.045	5 Hg
16	9SFTPUW16HW	10', 12', 25'	0.045	2 Hg
18	9SFTPUW18HW	10', 12', 25'	0.045	1 Hg



NovaFlex® Sweeper & Vacuum Truck Hoses

Choice of Wear Resistant Material

Compound	Recommended Service
NovaWear-TG	Very good abrasion, excellent cut and gouge resistance. Very good dry / very good wet non oily material transfer, large to small sharp material transfer
NovaWear-WG	Very good abrasion resistance, good cut resistance for transfer of abrasive non oily food grade products, small and medium size material transfer
NovaWear-BG	Very good abrasion, very good cut & gouge resistance - excellent dry / excellent wet non oily material transfer- large to small, sharp material transfer
NovaWear-RG	Excellent abrasion, excellent cut & gouge resistance - excellent dry / excellent wet non oily material transfer - large to small, sharp material transfer
NovaWear-YG	Superior abrasion, cut & gouge resistance - superior dry / superior wet on oily material transfer - large to small, sharp material transfer

Novaflex rubber material hoses can be custom made with different tube compounds on request.

The choice of the tube compound (wear material) is dependent on the elements of the application.

Compounds are uniquely formulated to resist abrasion, cutting, ripping and other elements of wear. NovaFlex® utilizes the tube compounds most suited to the abrasion resistance requirements of the application being engineered. Typically, flexible material transfer hoses are designed for applications that require the adaptability to overcome bends, offsets, misalignments, expansion or contraction and vibration. Applications with bends are particularly demanding. It is important to note that the larger the bend radius engineered into a wear application, the greater the service life of the hose.

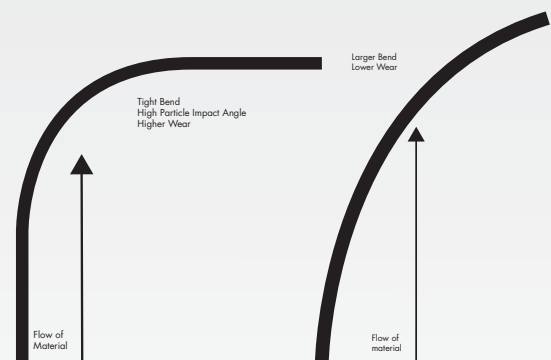
Hose wear is always on the outside radius of the hose bend. The greater the bend, the lower the angle of impact; therefore the lower the wear. To reduce wear, the optimum bend radius is ten times the inside diameter of the hose.

Hose tube with different bends depicting particle impact

There is a cost benefit relationship in the selection of a hose tube for a specific application. Several compounds that can service an application are available. To provide added life, the hose may require a thicker tube. All aspects should be considered; cost of hose, cost of product, hose service life and cost to install and uninstall (plant down time).

In many applications the media is constant, but in some, the media being transferred changes radically. It is always best to evaluate the product in a consistent environment. One of the more valid approaches is measuring tonnage processed. (Exclusive of differences in media conveyed.)

On new or unmonitored applications, it may be necessary to evaluate several compound types to obtain the most cost efficient product for the application. NovaFlex® will develop the best hose for the application.



To increase the service life of hose used in a bend; it is recommended that the hose be rotated around it's axis so that the wear is more evenly distributed.



Street Sweeping Hose

Nova-Vac™ 5060 Street Sweeper Hose

Designed to meet O.E.M.'s specifications for serviceability. This highly flexible, internally and externally corrugated vacuum hose has an abrasion resistant rubber tube with 4" (102mm) integral cuffs on each end for ease of installation. Ultra flexible and compressible construction to accommodate sweeper vacuum movements. Used for under truck installation.

Construction:

Tube: Black abrasion resistant rubber. Reinforcement: Helix wire with plies of fabric
Cover: Black corrugated. Temperature range: -40°F (-40°C) to 160°F (+72°C)

I.D."	Part No.	Length	Vacuum
8	5060BG-08000-80-020	20"	12 Hg
8	5060BG-08000-80-024	24"	12 Hg
8	5060BG-08000-80-026	26"	12 Hg
10	5060BG-10000-80-020	20"	6 Hg
10	5060BG-10000-80-024	24"	6 Hg
10	5060BG-10000-80-026	26"	6 Hg
13	5060BG-13000-80-042	42"	4 Hg
13	5060BG-13000-80-055	55"	4 Hg
13	5060BG-13000-80-064	64"	4 Hg
14	5060BG-14000-80-026	26"	4 Hg
14	5060BG-14000-80-030	30"	4 Hg



NovaFlex™ 5061RG Street Sweeper Hose

Designed with a red high abrasion resistant tube. This highly flexible, internally and externally corrugated vacuum hose with 4" (102mm) integral cuffs on each end for ease of installation, has the same performance characteristics as NovaFlex 5060BG but with an enhanced wear resistant tube.

Construction:

Tube: Red abrasion resistant rubber
Reinforcement: Helix wire with plies of fabric
Cover: Black corrugated
Temperature range: -40°F (-40°C) to 160°F (+72°C)



I.D."	Part No.	Length
8	5061RG-08000-80-020	20"
8	5061RG-08000-80-024	24"
8	5061RG-08000-80-026	26"
10	5061RG-10000-80-020	20"
10	5061RG-10000-80-024	24"
10	5061RG-10000-80-026	26"
13	5061RG-13000-80-042	42"
13	5061RG-13000-80-055	55"
13	5061RG-13000-80-064	64"
14	5061RG-14000-80-026	26"
14	5061RG-14000-80-030	30"

NovaFlex AGRI™ Medium Duty Thermoplastic Hose

Featuring a low profile outer helix that is easy to clamp and won't snag on corners. Chemical resistant inner tube with a molecularly bonded external wear strip for maximum durability. Smooth interior for optimum product flow. Full vacuum to 4" diameters.

Applications:

- Medium Duty Material Handling
- Construction Dewatering
- Liquid Wwaste
- Septic handling and cesspool cleaning
- Agricultural Fertilizers

Construction:

Material: Thermoplastic rubber with polypropylene helix
Diameters: 1" (25mm) to 6" (152mm)
Lengths: 1" (25mm) to 4" (102mm) diameters; 100ft (30.48m), 6"(152mm) diameters up to 60ft (18.3m)
Color: Black with green wear strip
Temperature range: -60° (-51°C) to +160°F (70°C)



I.D."	Part No.	MBR"	WPSI @72°F	Vac Rating 72°F In./Hg	Wt lbs./ft.
1	9SFAGR01	2.0	50	29	0.30
1.25	9SFAGR01.04	3.0	50	29	0.47
1.5	9SFAGR01.08	3.0	50	29	0.50
2	9SFAGR02	4.5	50	29	0.71
2.5	9SFAGR02.08	5.0	50	29	0.82
3	9SFAGR03	7.5	45	29	1.20
4	9SFAGR04	11.0	40	29	1.40
6	9SFAGR06	21.0	25	28	2.09

Vac Truck / Accessory Hoses

Yellow Jack™ Pumper Sanitation Hose

All extruded heavy wall sanitation suction hose. Unique interlock construction provides for extreme flexibility and kink resistance.

Applications:

Liquid transfer – sanitary and cesspool
Machine and tank liquid transfer
Utility suction operations

Construction:

Material: EVA/Polyethylene copolymer
Diameters: 1.5"(38mm), 2"(51mm), 2.5"(63mm), 3"(76mm) and 4" (102mm)
Bend radius: 2" (51mm) = 3.75"(95.25mm)
Weight: 2" (51mm) = .6 lbs/ft (.272k)
Lengths: 1½"(38mm) to 3" (76mm) diameters: 10ft (3.05m), 20ft (6.1m), 25ft (7.62m), 30ft (9.15m), 50ft (15.24m), 60ft (18.3m).
Lengths: 4"(102mm) diameter: 10ft (3.05m), 20ft (6.1m), 25ft (7.62m)
Temperature range: -40°F (-40°C) to +140°F (+60°C)
Colour: Yellow and Black
Available with factory installed cuffs or in bulk lengths



I.D."	Part No.	Length	Vacuum
1½	9NFYLJK01.08	25', 50'	29 Hg
2	9NFYLJK02	25', 50'	29 Hg
3	9NFYLJK03	3', 25'	29 Hg
4	9NFYLJK04	25'	29 Hg

Yellow Jack™ Threaded Cuffs

Threaded cuffs for use with Yellow Jack Pumper Sanitation Hose, and for use with Cam-lock couplings.



Yellow Jack™ Guide Kit



I.D."	Part No.
2	OYJCUFFTHREAO2
3	OYJCUFFTHREAO3

Double Bolt Clamps

A heavy duty clamp for the most rugged applications.



I.D."	Part No.	Hose O.D. Range
6	769	6.5" to 7.56"
8	875	8.25" to 8.87"
10	1125	10" to 11.3"
12	1360	12.25" to 14"
14	1450	14" to 16"
16	1700	16" to 17.25"

T-Bolt Clamps

For use on smooth cover hoses. Spiral Clamps; Stainless Steel.



I.D."	Part No.	Hose O.D. Range
6	STBC675L	6.3 to 6.87"
8	STBC888L	8.45 to 9"
10	STBC1088L	10.43 to 11"
12	STBC1288L	12.43 to 13"
14	STBC1488L	14.43 to 15"
16	STBC1688L	16.43 to 17"

Spiral Clamps

For use on corrugated hose covers. Viewing the end of the hose determines whether the spiral is in a clockwise or counter clockwise direction. Clockwise spirals requires a *right hand clamp*, counter clockwise requires a *left hand clamp*.



I.D."	Right Hand Spiral Clamp Part No.	Left Hand Spiral Clamp Part No.	Hose O.D. Range
6	SC600	SCC600	6.25 to 7"
8	SC800	SCC800	8.5 to 9.25"
10	SC1000	SCC1000	10.62 to 11.25"

Bridge Clamps

For use on NovaFlex ducting. The bridge clamp has a formed spacer designed to fit over the helix wire on NovaFlex, U-Lok and plastic ducts.



I.D."	Clamp Part No.
6	3BLAMP06
8	3BLAMP08
10	3BLAMP10
12	3BLAMP12
14	3BLAMP14
16	3BLAMP16
18	3BLAMP18
20	3BLAMP20



Nova-Green™ Hose for Terra Seeding, Bark and Mulch Blowing

A lightweight urethane alternative to cumbersome PVC hose designed specifically for the landscaping market. NovaFlex's Nova-Green™ all urethane tube provides superior abrasion resistance and excellent flexibility.

NovaFlex® Hoses are suitable on OEM equipment

Vac-Con	GapVax	Vactor
Vac-Tron	Vac-All	Hi-Vac
Schwarze Industries	Johnson Sweepers	Elgin Sweepers
Keith Huber	Badger	Old Dominion Brush
SuperSucker	Camel	Supervac
Tymco	Hydrovac	

