

Material Handling Hose

Novaflex 5000 Slurry King Hose Pure Gum Liner

Tough, versatile alternative to inflexible, cumbersome steel tubing. The easy handling and reusable quick-fastening flange system make installation a snap. Absorbs system vibration and saves wear on equipment. Compensates for thermal expansion and contraction, reduces noise. Flexible connection for hard piping misalignment. Can be cut on site for immediate installation. No welding necessary. 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 to +150°F (depending on compound)
 Length: 60 ft. Available in a variety of tube gauges ranging from: 1/8", 3/16", 1/4", 5/16", 3/8", 1/2"



Part No.	I.D.	O.D.	LINING THICKNESS (in)	MBR (in)	MAX PROD LENGTH (ft)	WP psi	WT LBS/FT
5000PG-02000-00	2	3.00	3/16	12	100	150	2.0
5000PG-03000-00	3	4.50	3/8	14	100	150	4.0
5000PG-04000-00	4	5.25	3/8	20	100	150	5.4
5000PG-05000-00	5	6.45	3/8	26	60	150	8.0
5000PG-06000-00	6	7.50	3/8	30	60	150	9.4
5000PG-08000-00	8	9.50	3/8	69	40	150	12.1
5000PG-10000-00	10	11.50	3/8	79	40	150	14.8
5000PG-12000-00	12	13.75	3/8	99	40	150	18.8
5000PG-14000-00	14	16.00	3/8	119	40	150	26.0

Flanges Available

Novaflex 5000* Slurry King Hose Red Abrasion Liner

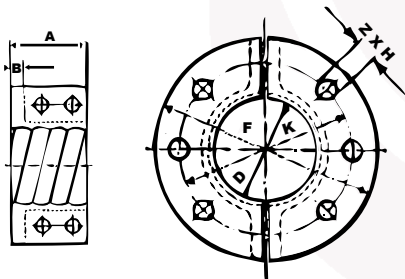
Available with a variety of tube compounds including, black abrasion, red abrasion, black natural and pure gum for abrasion, oil, heat and corrosion resistance depending on applications.



Part No.	I.D.	O.D.	LINING THICKNESS (in)	MBR (in)	MAX PROD LENGTH (ft)	WP psi	WT LBS/FT
5000RA-02000-00	2	3.00	3/16	12	100	150	2.0
5000RA-03000-00	3	4.50	3/8	14	100	150	4.0
5000RA-04000-00	4	5.25	3/8	20	100	150	5.4
5000RA-05000-00	5	6.45	3/8	26	60	150	8.0
5000RA-06000-00	6	7.50	3/8	30	60	150	9.4
5000RA-08000-00	8	9.50	3/8	69	40	150	12.1
5000RA-10000-00	10	11.50	3/8	79	40	150	14.8
5000RA-12000-00	12	13.75	3/8	99	40	150	18.8
5000RA-14000-00	14	16.00	3/8	119	40	150	26.0

Flanges Available

Split Flange Coupling Specifications



'D' I.D. Inches	'A' Inches	'B' Inches	'K' Inches	'P' Inches	'Z' Inches	'H' Inches	Approx/ WT/LBS
2	3 ¹¹ / ₃₂	5/8	4 ³ / ₄	6	4	3/4	3.30
2 1/2	3 ⁵ / ₁₆	5/8	5 1/2	7	4	3/4	4.40
3	3 ⁵ / ₁₆	5/8	6	7 1/2	4	3/4	4.40
4	3 ⁵ / ₁₆	5/8	7 1/2	9	8	3/4	6.60
4 1/2	4 1/8	5/8	8 1/2	10	8	7/8	7.70
5	4 1/8	5/8	8 1/2	10	8	7/8	7.70
6	4 1/2	1 1/16	9 1/2	11	8	7/8	8.80
8	5 7/8	3/4	11 3/4	13 1/2	8	7/8	13.20
10	6 7/8	1 1/8	14 1/4	16	12	1	25.40
12	7 ¹¹ / ₁₆	1 1/8	17	19	12	1	30.90
14	7 ¹¹ / ₁₆	1 1/8	18 3/4	21	12	1 1/8	35.30t

Material Handling Hose

Novaflex 5164TG 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

Temperature Range: -40°F to +140°F

Durometer: 42 durometer

Available in EPDM, SBR, Nitrile and Neoprene

A large variety of diameters available ranging from 1¼" to 24" upon request.

I.D.	3/16"	1/4"	3/8"	1/2"
	19	25	38	50
1¼	5164TG-01250-19	5164TG-01250-25	5164TG-012250-38	5164TG-01250-50
1½	5164TG-01500-19	5164TG-01500-25	5164TG-01500-38	5164TG-01500-50
2	5164TG-02000-19	5164TG-02000-25	5164TG-02000-38	5164TG-02000-50
3	5164TG-03000-19	5164TG-03000-25	5164TG-03000-38	5164TG-03000-50
4	5164TG-04000-19	5164TG-04000-25	5164TG-04000-38	5164TG-04000-50
6	5164TG-06000-19	5164TG-06000-25	5164TG-06000-38	5164TG-06000-50
8	5164TG-08000-19	5164TG-08000-25	5164TG-08000-38	5164TG-08000-50
10	5164TG-10000-19	5164TG-10000-25	5164TG-10000-38	5164TG-10000-50
12	5164TG-12000-19	5164TG-12000-25	5164TG-12000-38	5164TG-12000-50
18*	5164TG-18000-19-306	5164TG-18000-25-306	5164TG-18000-38-306	5164TG-18000-50-306
20*	5164TG-20000-19-300	5164TG-20000-25-300	5164TG-20000-38-300	5164TG-20000-50-300
24*	5164TG-24000-19-300	5164TG-24000-25-300	5164TG-24000-38-300	5164TG-24000-50-300

*25ft. lengths, all other I.D's - 50ft lengths standard.
Cut lengths add 10% (5ft increments)

Novaflex 5164BG Black Gum Tubing

Wrapped finish, mandrel made tan gum tubing designed for a variety of industrial, construction and chemical applications. Black gum rubber made for those applications where a black color is preferred.



Construction:

Tube: Black gum

Length: 50 ft

Temperature Range: Max temperature +140°F

Durometer: 50 durometer

Available in EPDM, SBR, Nitrile and Neoprene.

A large variety of diameters available ranging from 1¼" to 24" upon request.

ID	3/16"	1/4"	3/8"	1/2"
	19	25	38	50
1¼	5164BG-01250-19	5164BG-01250-25	5164BG-01250-38	5164BG-01250-50
1½	5164BG-01500-19	5164BG-01500-25	5164BG-01500-38	5164BG-01500-50
2	5164BG-02000-19	5164BG-02000-25	5164BG-02000-38	5164BG-02000-50
3	5164BG-03000-19	5164BG-03000-25	5164BG-03000-38	5164BG-03000-50
4	5164BG-04000-19	5164BG-04000-25	5164BG-04000-38	5164BG-04000-50
6	5164BG-06000-19	5164BG-06000-25	5164BG-06000-38	5164BG-06000-50
8	5164BG-08000-19	5164BG-08000-25	5164BG-08000-38	5164BG-08000-50
10	5164BG-10000-19	5164BG-10000-25	5164BG-10000-38	5164BG-10000-50
12	5164BG-12000-19	5164BG-12000-25	5164BG-12000-38	5164BG-12000-50
18*	5164BG-18000-19	5164BG-18000-25	5164BG-18000-38	5164BG-18000-50
20*	5164BG-20000-19	5164BG-20000-25	5164BG-20000-38	5164BG-20000-50
24*	5164BG-24000-19	5164BG-24000-25	5164BG-24000-38	5164BG-24000-50

*25ft. lengths, all other I.D's - 50ft lengths standard.
Cut lengths add 10% (5ft increments)

Novaflex 5164BE Black EPDM Gum Tubing

Wrapped finish, mandrel made tan gum tubing designed for a variety of industrial, construction and chemical applications. Black EPDM rubber, made for those applications where heat, chemical resistance and the properties of EPDM are preferable over gum rubber.



Construction:

Tube: Black gum

Length: 50 ft

Temperature Range: Max temperature +300°F

Durometer: 60 durometer

Available in EPDM, SBR, Nitrile and Neoprene.

A large variety of diameters available ranging from 1¼" to 24" upon request.

ID	3/16"	1/4"	3/8"	1/2"
	19	25	38	50
1¼	5164BE-01250-19	5164BE-01250-25	5164BE-01250-38	5164BE-01250-50
1½	5164BE-01500-19	5164BE-01500-25	5164BE-01500-38	5164BE-01500-50
2	5164BE-02000-19	5164BE-02000-25	5164BE-02000-38	5164BE-02000-50
3	5164BE-03000-19	5164BE-03000-25	5164BE-03000-38	5164BE-03000-50
4	5164BE-04000-19	5164BE-04000-25	5164BE-04000-38	5164BE-04000-50
6	5164BE-06000-19	5164BE-06000-25	5164BE-06000-38	5164BE-06000-50
8	5164BE-08000-19	5164BE-08000-25	5164BE-08000-38	5164BE-08000-50
10	5164BE-10000-19	5164BE-10000-25	5164BE-10000-38	5164BE-10000-50
12	5164BE-12000-19	5164BE-12000-25	5164BE-12000-38	5164BE-12000-50
18*	5164BE-18000-19	5164BE-18000-25	5164BE-18000-38	5164BE-18000-50
20*	5164BE-20000-19	5164BE-20000-25	5164BE-20000-38	5164BE-20000-50
14*	5164BE-24000-19	5164BE-24000-25	5164BE-24000-38	5164BE-24000-50

*25ft. lengths, all other I.D's - 50ft lengths standard.
Cut lengths add 10% (5ft increments)

Material Handling Hose

Novaflex 5010 Sludge Slayer ⁵/₁₆" Gum Tube

Heavy duty material handling hose designed for portable and central industrial vacuum equipment as well as truck mount applications. The ⁵/₁₆" abrasion resistant tube is designed to resist cutting, tearing and wear from abrasive media. The heavy helix wire is designed to resist kinking and crushing as well as handle full vacuum. (Ground using helix wire to make static conductive.)



Construction:

Tube: ⁵/₁₆" Tan gum
Reinforcement: Plies of fabric with helix wire
Cover: Green Corrugated
Length: 50 ft.
Temperature Range: -40°F to +160°F

Part No	ID	OD	MBR (in)	VAC (Hg)	WT LBS/FT
5010WG-02500-56	2½	3.61	15	29	3.29
5010WG-03000-56	3	3.11	18	29	3.85
5010WG-04000-56	4	5.12	24	29	5.12
5010WG-06000-56	6	6.95	36	29	6.05
5010WG-08000-56	8	9.05	48	29	8.45

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. Ends: Plain or soft cuffs
Temperature Range: -40°F to +140°F

Part No.	I.D.	O.D.	MBR (in)	VAC (Hg)	WT LBS/FT
5015-02500-00	2½	3.13	5"	29"	1.1
5015-03000-00	3	3.63	8"	29"	1.4
5015-04000-00	4	4.63	11"	29"	2.0
5015-06000-00	6	6.63	18"	29"	3.0
5015-08000-00	8	8.63	24"	17"	5.3
5015-10000-00	10	10.63	30"	9"	7.0
5015-12000-00	12	12.63	36"	9"	9.0

Material Handling Hose

Novaflex 5016 Material Handling Hose ¼" Gum Tube



Heavy duty material handling hose designed for portable and central industrial vacuum equipment as well as truck mount applications. The ¼" abrasion resistant tube is designed to resist cutting, tearing and wear from abrasive media. The heavy helix wire is designed to resist kinking and crushing as well as handle full vacuum. (Ground using helix wire to make static conductive.)

Construction:

Tube: ¼" Tan gum
Reinforcement: Plies of fabric with helix wire
Cover: SBR Black Corrugated
Length: 50 ft. Ends: Plain or soft cuffs
Temperature Range: -40°F to +140°F

Part No.	I.D.	O.D.	MBR (in)	VAC (Hg)	WT LBS/FT
5016-02500-00	2½	3.38	5	29"	2.0
5016-03000-00	3	3.88	8	29"	2.2
5016-04000-00	4	4.88	11	29"	3.0
5016-06000-00	6	6.88	18	29"	4.1
5016-08000-00	8	8.88	24	17"	7.2
5016-10000-00	10	10.88	30	9"	9.0
5016-12000-00	12	12.88	36	9"	11.4

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: 1/16" abrasion resistant
Reinforcement: Fabric with helix wire
Cover: Black corrugated
Length 50 ft.
Ends: Plain. (Also available with cuffs.)
Temperature Range: -40°F to +160°F (Depending on compound)

Part No.	I.D.	O.D.	Plies	MBR (in)	WT LBS/FT
5020-01000-00	1	1.38	1	3	0.4
5020-01250-00	1¼	1.63	1	4	0.4
5020-01500-00	1½	1.88	1	5	0.5
5020-02000-00	2	2.38	1	8	0.7
5020-02500-00	2½	2.88	1	8	0.8
5020-03000-00	3	3.38	1	9	0.9
5020-04000-00	4	4.38	1	12	1.9

Material Handling Hose

Novaflex 5770/5771/5772

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:

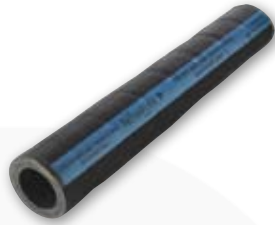
Tube: Black abrasion resistant static conductive SBR

Reinforcement: Multiple plies of tire cord

Cover: Black synthetic rubber

Length: 100 ft.

Temperature Range: -10°F to +180°F



Part No.	I.D.	Type	Tube Gauge	O.D.	Plies	WP psi	WT LBS/FT
5770-04000-00	4	5770	1/8	4.45	2	100	1.57
5771-04000-00	4	5771	3/16	4.58	2	75	1.94
5772-04000-00	4	5772	1/4	4.70	2	75	2.44
5772-05000-00	5	5772	1/4	5.74	2	75	3.41
5772-06000-00	6	5772	1/4	6.74	2	75	4.04

Novaflex 5776 1/4" tube; suction/hardwall version available

Part No.	Type	Tube Gauge	I.D.	O.D.	Plies	WP psi	WT LBS/FT
5776-04000-00	5776	1/4	4	6.95	2	75	4.25

Novaflex 5284 Elephant Trunk Hose

Designed for open end discharge and gravity flow of dry bulk materials and abrasives.

Construction:

Tube: 1/8" Black static dissipating natural rubber.

Reinforcement: 2 plies fabric

Cover: Black SBR Black

Length: 50 ft standard.

(Cut lengths available upon request)

Ends: Plain

Temperature Range: -20°F to +160°F



Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
5284TG-04000-00	4	4.54	2	100	1.89
5284TG-06000-00	6	6.50	2	75	2.55
5284TG-06625-00	6 5/8	7.12	2	50	2.80
5284TG-08000-00	8	8.50	2	50	3.36
5284TG-08625-00	8 5/8	9.12	2	50	3.62
5284TG-10000-00	10	10.50	2	45	4.18
5284TG-10750-00	10 3/4	11.25	2	40	4.48
5284TG-12000-00	12	12.62	4	75	6.47
5284TG-12750-00	12 3/4	13.37	4	70	6.87
5284TG-14000-00	14	14.62	4	65	7.52

Novaflex 5785 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: 4 plies polyester tire cord

Cover: Black EPDM/SBR

Length: 100 ft

Temperature Range: -20°F to +160°F



Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
5785-01000-00	1	1.83	4	800	0.75
5785-01250-00	1 1/4	1.93	4	800	0.80
5785-01500-00	1 1/2	2.21	4	800	1.58
5785-02000-00	2	2.81	4	800	1.58
5785-02500-00	2 1/2	3.36	6	500	1.95
5785-03000-00	3	4.00	6	500	2.90
5785-04000-00	4	5.27	6	400	3.95

Material Handling 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.
Temperature Range: Up to +180°F



Part No.	I.D.	O.D.	Tube Gauge	Plies	WP psi	WT LBS/FT
5331BS-04500-00	4½	5.73	¾	4	150	5.45
5331BS-06000-00	6	7.25	¾	4	150	7.51
5331BS-06625-00	6⅝	8.07	¾	6	150	9.26
5331BS-08625-00	8⅝	10.19	¾	8	150	12.97
5331BS-10750-00	10¾	12.50	½	8	150	17.83
5331BS-12750-00	12¾	14.55	½	8	150	22.80
5331BS-14000-00	14	16.04	½	12	150	27.21
5331BS-16000-00	16	18.04	½	12	150	30.82

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.
Temperature Range: Up to +180°F



Part No.	I.D.	O.D.	Tube Gauge	Plies	WP psi	WT LBS/FT
5332BS-04000-00	4	5.54	¾	4	150	6.75
5332BS-04500-00	4½	5.95	¾	4	150	7.46
5332BS-06000-00	6	7.57	¾	4	100	11.37
5332BS-06625-00	6⅝	8.20	¾	4	100	12.41
5332BS-08000-00	8	9.64	¾	6	100	15.86
5332BS-08625-00	8⅝	10.32	¾	6	100	16.87
5332BS-10000-00	10	12.06	½	6	100	25.42
5332BS-10750-00	10¾	12.86	½	6	100	22.06
5332BS-12000-00	12	14.11	½	6	100	30.55
5332BS-12750-00	12¾	14.86	½	6	100	32.29
5332BS-14000-00	14	16.37	½	8	100	42.66

Novaflex 5328 Plaster Hose

A flexible, easy to handle, long lasting, high pressure hose specially designed for use with cement, plaster and gypsum. The cover is ozone and weather resistant and the rubber tube is abrasion resistant. Good for jetting applications.

Construction:

Tube: Black abrasion resistant synthetic rubber
Reinforcement: Plies of polyester tire cord
Cover: Brown abrasion and weather resistant synthetic rubber
Length: 100 ft
Temperature Range: Up to +180°F



Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
5328BS-01250-00	1¼	1.84	4	600	0.97
5328BS-01500-00	1½	2.09	4	600	1.10
5328BS-02000-00	2	2.72	6	600	1.80
5328BS-02500-00	2½	3.22	6	600	2.18
5328BS-03000-00	3	3.77	6	500	2.74

Material Handling Hose

Novaflex 5900 Heavy Duty Sandblast Hose

Heavy duty (4 ply) abrasion resistant sand and shot blast hose that will accept higher working pressures and the most severe applications.

Construction:

Tube: Black abrasion resistant synthetic rubber

Reinforcement: Plies of polyester tire cord

Cover: Black abrasion and weather resistant synthetic rubber

Length: 100 ft

Temperature Range: -20°F to +180°F



Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
5900BG-01000-00	1	1.89	4	250	1.15
5900BG-01250-00	1¼	2.14	4	250	1.35
5900BG-01500-00	1½	2.39	4	250	1.54
5900BG-02000-00	2	2.89	4	250	1.95
5900BG-02500-00	2½	3.40	4	250	2.39
5900BG-03000-00	3	3.90	4	150	2.78
5900BG-04000-00	4	5.26	4	150	5.43

Novaflex 5300 Premium Sandblast Hose

Designed with an extra thick, extremely abrasion resistant tube to extend life in sandblasting service. Flexible and kink resistant to reduce operator fatigue and further extend wear of the hose. The best quality sandblast hose on the market today.

Construction:

Tube: Black abrasion resistant synthetic rubber

Reinforcement: Plies of polyester tire cord

Cover: Black abrasion and weather resistant synthetic rubber

Length: 100 ft

Temperature Range: -20°F to +180°F



Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
5300BS-00500-00	½	1.14	2	150	0.51
5300BS-00750-00	¾	1.52	2	150	0.74
5300BS-01000-00	1	1.88	2	150	1.09
5300BS-01250-00	1¼	2.13	2	150	1.28
5300BS-01500-00	1½	2.38	2	150	1.47
5300BS-02000-00	2	2.83	2	150	1.74

Novaflex AF Liner

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

Construction:

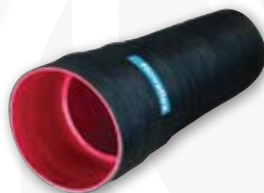
Tube: ⅛" ultra high abrasion resistant red natural rubber

Reinforcement: Multiple plies of fabric with steel helix

Cover: Rubberized fabric

Temperature Range: -30°F to +140°F

Other rubber tubes available: SBR, EPDM



Part No.	I.D.	WP	MBR	VAC	WT LBS/FT
3MBAF2RA02	2	30	10	29"	0.95
3MBAF2RA02.08	2½	30	13	29"	1.13
3MBAF2RA03	3	30	15	29"	1.40
3MBAF2RA04	4	25	20	28"	1.98
3MBAF2RA05	5	20	25	26"	2.40
3MBAF2RA06	6	16	30	23"	2.85
3MBAF2RA07	7	14	35	18"	3.30
3MBAF2RA08	8	12	40	12"	3.75
3MBAF2RA10	10	10	50	8"	5.15
3MBAF2RA12	12	8	60	5"	6.15

Duck & Rubber Flange

The tube and all 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 abrasion or the media conveyed can damage standard steel ends.



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.



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, eliminates potential damage from hose torque.



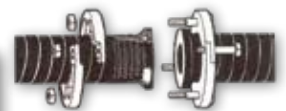
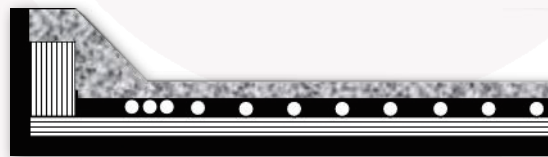
Capped End

The tube is turned up and vulcanized into the hose cover. The reinforcement of the hose is completely encapsulated in rubber. This design protects the interior and exterior of the hose from the media being conveyed.



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.



Slip Ring End

This special end permits the attachment of large ID discharge hose (8" to 24" ID) with out the use of couplings. This special Novaflex end permits full flow and uses the internal hose pressure to form the liquid seal.

