

ULTRAFLEX (Standard Smoothbore Interlocked)

ULTRAFLEX (Smoothbore) is constructed from two strips of metal that form a durable armored hose and a smooth, abrasion-resistant metal liner. The liner protects the product being conveyed from damage caused by a rough interior. A directional arrow on the hose indicates flow direction for optimum performance.



ULTRAFLEX Features

- Balanced interlocked construction
- Durability
- Strength
- Flexibility
- Service life
- Smooth interior resists abrasion and material build-up
- Rugged construction is able to handle everything from powder to pebbles

ULTRAFLEX Applications

- Bulk transfer of plastic pellets, grain, wood chips, and other abrasive media
- Loading and unloading trailers and rail cars

ULTRAFLEX Part Numbers

UF Armor Material Armor Thickness Liner Material

Armor Materials Codes	Armor Thickness Codes	Liner Materials Codes
A - Aluminum	15 - Light Weight	S - Stainless Steel
G - Galvanized Steel	18 - Medium Weight	C - Carbon Steel
S - T304 Stainless Steel	20 - Med. Wt. Aluminum	H - Heavy Weight
6 - T316 Stainless Steel	25 - Heavy Weight	Stainless Steel
2 - T201 Stainless Steel		4 - Magnetic Liner*

Example: UFS15S has an armor made of T304 stainless steel strip .015" thick, and a stainless steel liner.

Packing Options

Packing Type	Features	Maximum Temperature
Low-Temp Elastomeric	Max Press & Vacuum	200° F.
High-Temp Elastomeric	Max Press & Vacuum	500° F.
Low-Temp Fiber	Economical	180° F.
High-Temp Fiber	Elevated Temperature	1000° F.
Metal	Extreme Temperature	800° - 1200° F.

ULTRAFLEX (Smoothbore) Hose Specifications

Inside Dia. (in.)	UF ____ 15 ____ (G,S,6,2) (S,C,4)		UF ____ 18 ____ (G,S,6,2) (S,C,4)		UFS18S25***		UF ____ 25 ____ (G,S,2) (S,C,4)		UF ____ 25 H** (G,S,2)		UFA20S	
	Weight per Foot (lbs.)	Min. Bend Radius (in.)	Weight per Foot (lbs.)	Min. Bend Radius (in.)	Weight per Foot (lbs.)	Min. Bend Radius (in.)	Weight per Foot (lbs.)	Min. Bend Radius (in.)	Weight per Foot (lbs.)	Min. Bend Radius (in.)	Weight per Foot (lbs.)	Min. Bend Radius (in.)
1.5	1.2	7	1.3	8								
2	1.6	9	1.7	10								
2.5	1.9	11	2.2	12								
3	2.3	13	2.6	14			3.2	18				
3.5	2.6	15	3.0	16			3.7	21				
4	3.0	17	3.4	18	4.1	23	4.2	23	4.4	23	2.1	23
4.5	3.4	19	3.8	21	4.5	26	4.7	26	5.0	26	2.3	26
5	3.7	21	4.2	23	5.0	29	5.2	29	5.5	29	2.6	29
6	4.5	25	5.0	27	6.0	34	6.2	34	6.7	34	3.1	34
7	5.2	29	5.8	32	6.9	40	7.2	40	7.8	40	3.6	40
8	5.9	33	6.6	36	7.9	45	8.2	45	8.9	45	4.1	45
9	6.6	37	7.4	40	8.8	51	9.2	51	10.0	51	4.6	51
10	7.4	40	8.2	45	9.7	56	10.2	56	11.1	56	5.1	56
11			9.0	49	10.7	62	11.2	62				
12			9.8	53	11.7	67	12.2	67				
13			10.6	58	12.7	73	13.2	73				
14			11.4	62	13.6	78	14.2	78				
15			12.2	66	14.6	84	15.2	84				
16			13.1	71	15.5	89	16.2	89				

* Magnetic liner available on UF 15 or 18 series only.

** UF25H series is not available with packings.

***UFS18S25 is constructed with a stainless steel .018 armor and a .025 stainless liner

• Other diameters are available upon request. • For packed hose add 10% to both weight per foot and minimum bend radius. • Minimum bend radius is measured from the centerline of the hose. • Smoothbore hose is sold in a relaxed state (see page 10 for explanation of "relaxed state").