



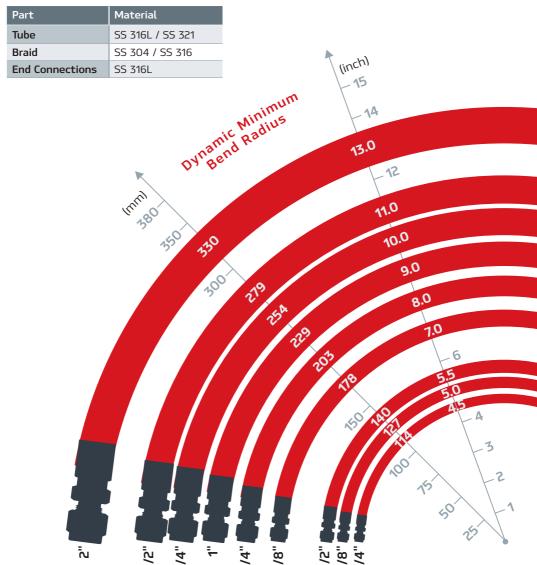




SHFSERIES	General Use Standard product	4			
SHUSERIES	Ultra High Pressure	6			
SHV SERIES	Vacuum / Formable Stay-put Application	8			
SHESERIES	Extra Flexible Most Flexible	10			
SHHSERIES	High Pressure Helical High Pressure	12			
THTSERIES	Smooth Core PTFE Metal Braided Hose	14			
THSSERIES	Silicon Covered Smooth Core PTFE Metal Braided Hose	16			
THCSERIES	Convoluted PTFE Core SS Braided Hose	18			
Metal Hoses End	Connections Selection	20			
PTFE Hoses End Connections Selection					
Metal Hoses - Ordering Information					
PTFE Hoses - Ordering Information					

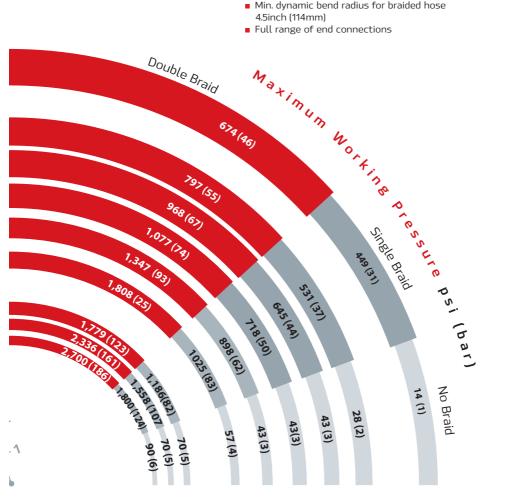








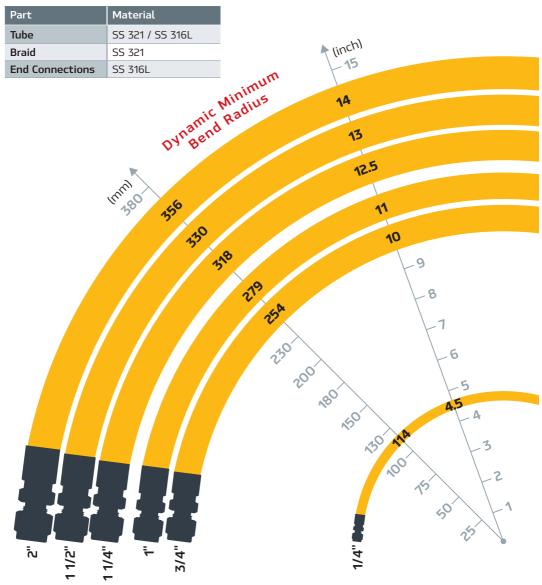
- Braided, double braided or unbraided corrugated tube assembly
- Core tube is made of 316L stainless steel, 321 stainless steel core tube is available.
- Braid is made of 304 stainless steel, 316 stainless steel braid is available.
- Annular Hydroformed Corrugation
- Tube ID from 1/4" to 2"
- Max. pressure 2700psi (186bar)
- Min. static bend radius for braided hose 1.0inch (25mm)
- Min. dynamic bend radius for braided hose 4.5inch (114mm)

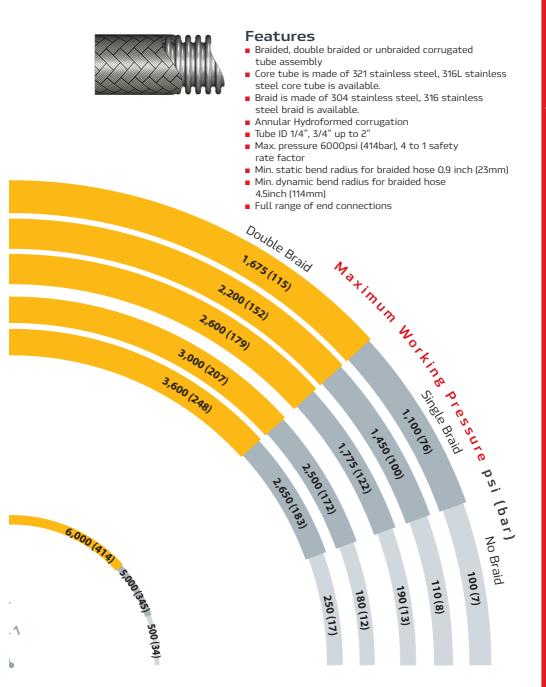




SHUW Ultra High Pressure

Materials of Construction





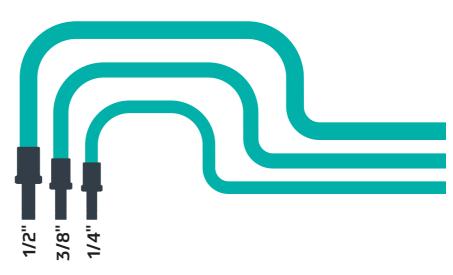


SHV Stay-Put Application

Materials of Construction

Part	Material
Tube	SS 316L / SS 321
Braid	SS 304
End Connections	SS 316L







- Braided or unbraided corrugated tube assembly.
- Core tube is made of 321 stainless steel, 316L stainless steel core tube is available.
- Braid is made of 304 stainless steel
- Annular Hydroformed corrugation
- Tube ID 1/4", 3/8", 1/2"
- Max. pressure 900psi (62bar)
- Min. static bend radius for braided hose 1.0inch (25mm)
- Full range of end connections

Maximum Working Pressure psi (bar)

Single Braid No Braid

655 (46)	70 (5)
800 (55)	70 (5)
900 (62)	90 (6)





Part	Material
Tube	SS 316L / SS 321
Braid	SS 304 / SS 316
End Connections	SS 316L

(inch) Dynamic Minimum Rend Radius 14 10.3 8.7 1.9 262 6.4 ۳.



- Braided, double braided or unbraided corrugated tube assembly
- Core tube is made of 316L stainless steel, 321 stainless steel core tube is available.
- Braid is made of 304 stainless steel, 316 stainless steel braid is available.
- Annular Hydroformed Corrugation
- Tube ID from 1/4" to 2"
- Max. pressure 2700psi (186bar)
- Min. static bend radius for braided hose 0.9inch (23mm)
- Min. dynamic bend radius for braided hose 3.7inch (94mm)
- Full range of end connections



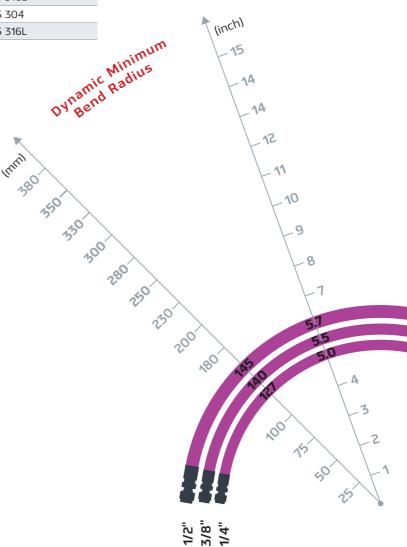




SHH High Pressure Helical High Pressure

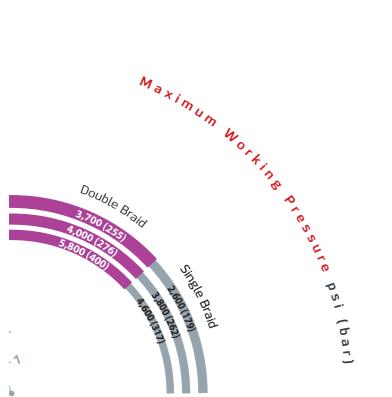
Materials of Construction

Part	Material
Tube	SS 316L
Braid	SS 304
End Connections	SS 316L



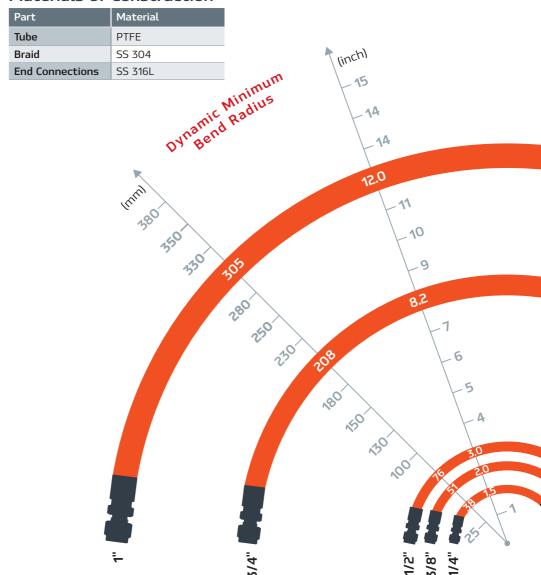


- Braided corrugated tube assembly.
- Core tube is made of 316L stainless steel, 321 stainless steel core tube is available.
- Braid is made of 304 stainless steel, 316 stainless steel braid is available
- Spiral double-walled welded corrugation
- Tube ID 1/4", 3/8", 1/2"
- Max. pressure 5800psi (400bar)
- Min. static bend radius for braided hose 1.1inch (28mm)
- Min. dynamic bend radius for braided hose 5.0inch (127mm)
- Full range of end connections











- Tube I.D. 1/4" up to 1"
- Pressure rating vacuum to 3200psi (240 bar)
- Min bend radius 1.5inch (38.1mm)
- Conductive inner lining available

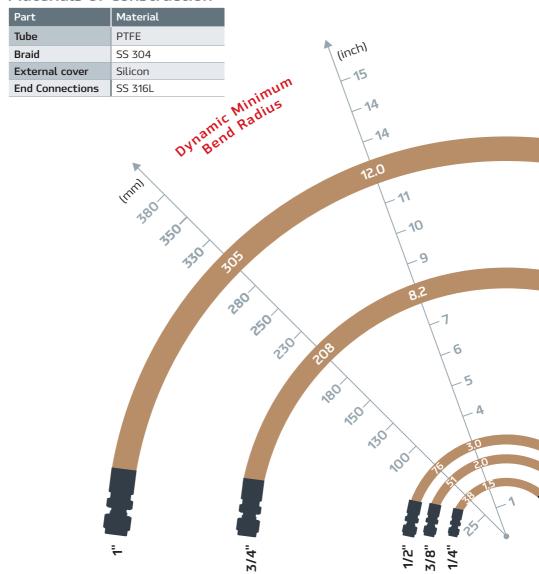






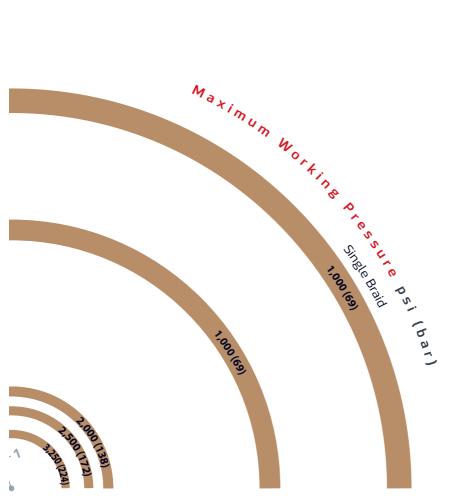
Silicon Covered Smooth Core PTFE Metal Braided Hose

Materials of Construction





- Tube I.D. 1/4" up to 1"
- Pressure rating Vacuum to 3250psi (224bar)
- Min Bend radius 1.5inch (38.1mm)







Materials of	Construction			
Part	Material			
Tube	PTFE		(inch)	
Braid	SS 304		\	
End Connections	SS 316L	m.	15	
	SS 316L Dynamic N	sinimu.	14	
	aic 1	agdin-	\	
	hamid	•	14	
	DA Be			2
			F1	2
	(ITIT!)			-11
	(mm) 1380 150			
	450			10
	10			9
	37			
	30			
	2	30		1.5
	380 350 300	250		
		250		6.0
		· ·	197	
		7		5.5
			152	4
			, ac	
				3.0
				00 10 25 2
				6A
		37 4		50
				3
				27
		"2" 1/2"	-	3/4" 1/2"
		_		ν –



- Tube I.D. 1/2" up to 2"
- Pressure rating up to 1500psi (103bar)
- Min Bend radius 2.5inch (63.5mm)

Maximum Working Piessure Psi (bar)

Single Brain
1,000 (69)

January 1,000 (69)

January 1,000 (69)



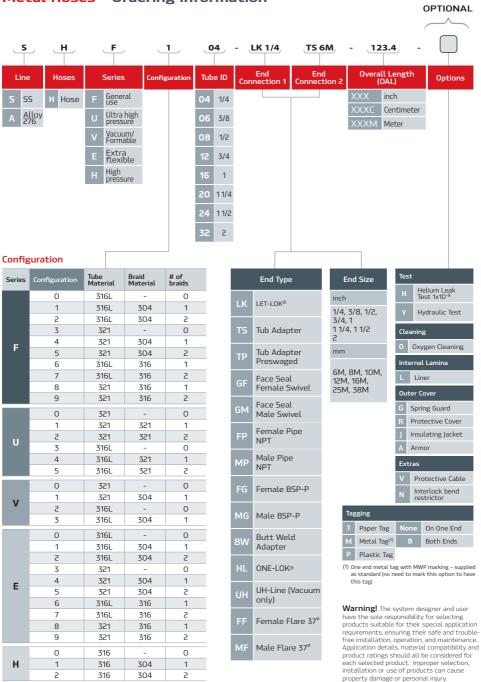
End Connections Selection Metal Hoses

	Hose Inside Diameter	1/4"	3/8"	1/2"	3/4"	1.	11/4"	11/2"	ž.
End connect	tion Type								
LET-LOK		1/4 3/8 6m 8m	3/8 10m	1/2 12m	3/4 18m	1 25m	11/4	11/ ₂	2
Tube Adapter		1/4 6m 8m	3/8 10m	1/2 12m	3/4 18m	1 25m	11/4	1 ¹ / ₂	
ONE-LOK		1/4 3/8 6m 8m	3/8 10m	1/2 12m					
UH-LINE		1/4 3/8	3/8	1/2	3/4	1			
Male NPT		1/4 1/2	1/4 3/8 1/2	3/8 1/2	3/4	1	11/4	11/2	2
Male BSPP		1/4	3/8	1/2	3/4	1	11/4	11/2	
Female NPT		1/4	3/8	1/2	3/4	1		11/2	
Female BSPP		1/4		1/2					
Butt Weld		1/4	3/8	1/2	3/4	1	11/4	11/2	
Male Face Seal Swivel		1/4		1/2	3/4	1			
Female Face Seal Swivel		1/4		1/2	3/4	1			
Male JIC 37° Flare		1/4	3/8	1/2	3/4	1	11/4	11/2	2
Female JIC 37° Flare		1/4	3/8	1/2	3/4				

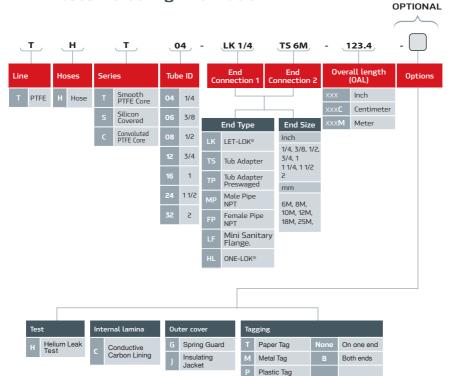
End Connections Selection PTFE Hoses

End connect	Hose Inside Diameter tion Type	1/4"	3/8"	1/2"	3/4"	4"	11/2"	Ž
LET-LOK		1/4 6m	3/8 10m	1/2 12m	3/4 18m	1 25m	11/ ₂ 38m	2
Tube Adapter		1/4 6m 8m	3/8 10m	3/8 1/2 12m	3/4 1 18m	3/4 1 25m	11/2 38m	
Male NPT		1/4	1/4 3/8	1/4 3/8 1/2	1/2 3/4	3/4 1	11/2	2
Male BSPP		1/4	3/8	1/2	3/4	1	11/2	
Female NPT		1/4	1/4 3/8	1/2	3/4	1	11/2	
Female BSPP		1/4	3/8	1/2	3/4	1	11/2	
Butt Weld		1/4	3/8	1/2	3/4	1	11/2	2
Female Face Seal Swivel		1/4	3/8	1/2	3/4	1		
Male JIC 37° Flare		1/4	3/8	1/2	3/4	1	11/2	2
Female JIC 37° Flare		1/4	3/8	1/2	3/4			

Metal Hoses - Ordering Information



PTFE Hoses - Ordering Information





Spring Guard

A mechanical guard can be installed with the hose assembly. This type of guard consists of a metal spring that is attached behind the fitting.



Protective Cover

For lighter protection of the corrugated hose and braid, plastic scuff guards can be installed with the hose.



Insulating Jacket

High temperature insulation of the hose exterior. Braided fiberglass insulation, covered and impregnated with silicone rubber installed over the corrugated hose and sealed. It can also be used to prevent ambient heat from being conveyed to the media or to reduce media heat loss.



Tagging

Customer or system information can be marked on hose assemblies using cardboard, plastic, and metal tags or permanently engraved onto braid collars.

Tags and markings can be applied on single or both ends of assemblies.



Certifications

Materials, Standard Conformance and testing certificates are available. Other customer specific certificates are available upon request.





∙IAM-LET® Totally committed.™

www.ham-let.com



HAM-LET HOSES ar.ham-let.com/hose

HAM-LET USA

12565 West Airport Blvd. Sugar Land, Texas 77478 Tel: +1 281 5664900 Fax: +1 281 5664910 e-mail: usa@ham-let.com

HAM-LET Canada

3190 Ridgeway Drive, Unit 33 Mississauga, Ontario, L5L 5S8 Tel: +1 905 6089996 Fax: +1 905 6088661 e-mail: canada@ham-let.com

HAM-LET UK

Unit 1. Lindfield Enterprise Park Lewes Road, Lindfield Haywards Heath, West Sussex RH16 2LH

Tel: +44 1444 487555 Fax: +44 1444 487666 e-mail: uk@ham-let.com

HAM-LET Germany

Dornacher Strasse 3a D-85622 Feldkirchen Tel: +49 89 90778060 Fax: +49 89 90778070 e-mail: gmbh@ham-let.com

HAM-LET France

Siège Social, Park Avenir Zone de Sacuny Avenue Marcel Merieux bâtiment B7, 69530, BRIGNAIS Tel: +33 4 78950342 Fax: +33 4 72310576

e-mail: france@ham-let.com

HAM-LET BENELUX B.V.

Industrieweg 30, 7944 HS, Meppel, The Netherlands Tel: +31 620166779 Fax: +31 522237040

e-mail: benelux@ham-let.com

This document is proprietary to HAM-LET Group and may not be copied, duplicated or used without the permission of HAM-LET Group.

HAM-LET Group reserves the right to make changes to any portion of this document at any time without notice. The information furnished by HAM-LET Group in this document is believed to be accurate and reliable. However, HAM-LET Group assumes no responsibility for its use or for errors or omissions. All company and brand products are trademarks or registered trademarks of their respective holders.

HAM-LET Russia

127083, Russian Federation, Moscow, 8 Marta Street 10, B.12, Off. 107 Tel: +7 495 6516238 Fax: +7 495 6516238 e-mail: russia@ham-let.com

HAM-LET Singapore

211 Woodlands Avenue 9 Spectrum II building #05-88 Singapore 738960 Tel: +65 62578313 Fax: +65 62578315 e-mail: singapore@ham-let.com

HAM-LET Motoyama Japan (HMJ)

TSI Hakozaki Bldg. 4F, 20-5, Hakozaki-cho, Nihonbashi, Chuo-ku, Tokyo, 103-0015 Tel: +81 3 36685321 Fax: +81 3 36647027 e-mail: hmj@ham-let.com