

HAM-LET HOSES

We are proud to announce our Ham-let Hoses product line re-creation.

From a minor, complementary product we had in our catalogue for many years, we turn now our Hoses product line to be a substantial growing opportunity for our customers and service.

Ham-Let new Hoses product line:

- **5 series** of **all Stainless Steel** hose assemblies
- **3 series** of **PTFE** core Stainless Steel braided hose assemblies
- covering industrial, process and instrumentation applications and systems
- sizes range from **1/4" up to 2" ID**
- full Vacuum **up to 6,000psi (413bar)** working pressures.

All Ham-Let hose assemblies are fitted with **Ham-Lets quality fittings** providing maximal usability and exchangeability with the highest safety levels.

Our new Hoses supply chain allows us to commit for **3 to 4 weeks delivery** time for most of custom ordered items in all our branches and distributors worldwide.

Scan for complete catalogue.

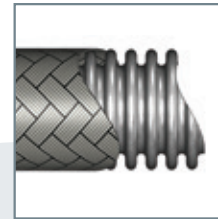


HAM-LET HOSES
qr.ham-let.com/hose

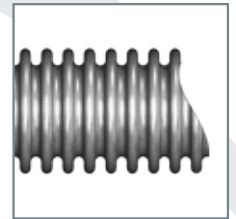
Metal Hoses



SHF Series
General use



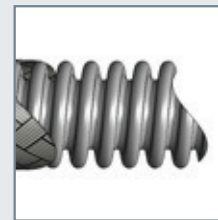
SHU Series
Ultra high pressure



SHV Series
Vacuum/Formable

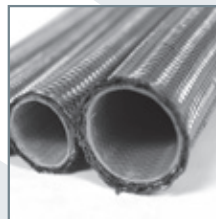


SHE Series
Extra flexible



SHH Series
High pressure

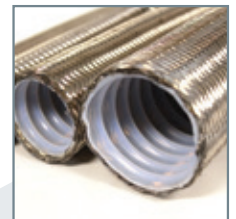
PTFE Hoses



THT Series
Smooth core

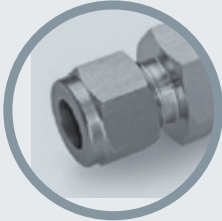


THS Series
Silicon covered
Smooth core



THC Series
Convuluted core

Wider **L**arger **F**aster  www.ham-let.com



End connections

1/4" up to 2" size
Ham-Let fittings
Let-Lok / One-Lok / UH Line /
Face Seals / Flare / Threaded
/ Butt weld



PTFE Hose cores

1/4" up to 2" ID
Smooth / Convoluted /
Conductive lined



Metal Hose cores

1/4" up to 2" ID
Hydroformed annular / Helical
corrugation SS 321 / SS 316L
Elastic / Formable / Extra flexible
Ultra-High / High / Industrial
pressure rating
(1 to 4 safety factor)



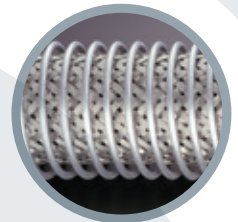
Braiding

None / Single / Double / Triple
layered
SS 304 / SS 321 / SS 316
High coverage directly woven



Assemblies

SS Hoses - Factory assembled, welded,
cleaned and packed according NAHAD
PTFE Hoses - Factory assembled, cleaned and
packed according - FDA / USDA /
Custom length
Customer specific solutions



Covers & Guards

Plastic / Silicon / High
Temperature covers
Spring / Armor guard

Technical Features



Tagging

Metal Tag with Max.
pressure - as standard
Metal / Plastic / Paper tags
with request data available



Certificates

Each hose is supply with:
COC
Pressure test report



Packing

Each hose is packed
and seal in a plastic bag
End connections
are caped



Testing

100% pressure tested &
Helium leak test
Custom testing available








HAM-LET Hoses Quick Selection Guide

See Ordering information on page 6 and 7

Hose Series	Number of Braids	Inside Diameter inch (mm)																	
		1/4 (6.35)		3/8 (9.53)		1/2 (12.70)		5/8 (15.88)		3/4 (19.05)		1 (25.40)		1 1/4 (31.75)		1 1/2 (38.10)		2 (50.80)	
		Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)	Working Pressure psi (bar)	Dynamic Bend Radius inch (mm)
SHF General Use Standard Product T321, T316L (See page 458)	0	90 (6)		70 (5)		70 (5)		57 (4)		43 (3)		43 (3)		43 (3)		28 (2)		14 (1)	
	1	1800 (124)	4.5 (114)	1558 (107)	5.0 (127)	1186 (82)	5.5 (140)	1205 (83)	7.0 (178)	898 (62)	8.0 (203)	718 (50)	9.0 (229)	645 (44)	10.0 (254)	531 (37)	11.0 (279)	449 (31)	13.0 (330)
	2	2700 (186)		2336 (161)		1779 (123)		1808 (125)		1347 (93)		1077 (74)		968 (67)		797 (55)		674 (46)	
SHU Ultra High Pressure T321 & T316L (See page 459)	0	500 (34)								250 (17)	4.5 (114)	180 (12)	7.0 (178)	190 (13)	9.5 (241)	110 (8)	115 (292)	100 (7)	12.0 (305)
	1	5000 (345)	4.5 (114)	-	-	-	-	-	-	2650 (182)	10.0 (254)	2500 (172)	11.0 (279)	1775 (122)	12.5 (318)	1450 (100)	13.0 (330)	1100 (76)	14.0 (356)
	2	6000 (414)								3600 (248)	10.0 (254)	3000 (207)	11.0 (279)	2600 (179)	12.5 (318)	2200 (152)	13.0 (330)	1675 (115)	14.0 (356)
	3	-								-	-	-	-	3000 (207)	14.0 (356)	-	-	-	-
SHV Vacuum / Formable Stay-Put Application T321, T316L (See page 460)	0	90 (6)		70 (5)		70 (5)		57 (4)		43 (3)		43 (3)		43 (3)		28 (2)		14 (1)	
	1	900 (62)		800 (55)		665 (46)		500 (34)		380 (26)		355 (24)		280 (19)		264 (18)		221 (15)	
SHE Extra Flexible Most Flexible T321, T316L, T304L (See page 461)	0	90 (6)		70 (5)		70 (5)		57 (4)		43 (3)		43 (3)		43 (3)		28 (2)		14 (1)	
	1	1800 (124)	3.7 (94)	1558 (107)	4.0 (102)	1186 (82)	4.4 (112)	1205 (83)	5.6 (142)	898 (62)	6.4 (163)	718 (50)	7.1 (180)	645 (44)	7.9 (201)	531 (37)	8.7 (221)	449 (31)	10.3 (262)
	2	2700 (186)		2336 (161)		1779 (123)		1808 (125)		1347 (93)		1077 (74)		968 (67)		797 (55)		674 (46)	
SHH High Pressure Helical High-Pressure T316L (See page 462)	1	4600 (317)	5.0 (127)	3800 (262)	5.5 (140)	2600 (179)	5.7 (145)	-	-	-	-	-	-	-	-	-	-	-	-
	2	5800 (400)		4000 (276)		3700 (255)		-	-	-	-	-	-	-	-	-	-	-	-
THT Smooth Core PTFE Metal Braided Hose (See page 472)	1	3200 (221)	1.5 (38)	2500 (172)	1.5 (38)	2000 (138)	3.0 (76)	-	-	1000 (69)	8.2 (208)	1000 (69)	12.0 (305)	-	-	-	-	-	-
THS Silicon Covered Smooth Core PTFE Metal Braided Hose (See page 473)	1	3250 (224)	1.5 (38)	2500 (172)	3.0 (76)	2000 (138)	3.0 (76)	-	-	1000 (69)	8.2 (208)	1000 (69)	12.0 (305)	-	-	-	-	-	-
THC Convuluted Core PTFE Metal Braided Hose (See page 474)	1	-	-	-	-	1500 (103)	2.5 (64)	-	-	1100 (76)	3.0 (76)	1000 (69)	5.5 (140)	-	-	525 (36)	7.5 (191)	100 (7.0)	12.0 (305)











HAM-LET Hoses End Connections Selection

End Connection Type	End Connection Size	Metal Hoses - Series SHF / SHU / SHV / SHE / SHH I.D. inch (mm)								PTFE Hoses - Series THT / THS / THC I.D. inch (mm)							
		1/4 (6.35)	3/8 (9.53)	1/2 (12.70)	3/4 (19.05)	1 (25.40)	1 1/4 (31.75)	1 1/2 (38.10)	2 (50.80)	1/4 (6.35)	3/8 (9.53)	1/2 (12.70)	3/4 (19.05)	1 (25.40)	1 1/2 (38.10)	2 (50.80)	
 LET-LOK®	1/4"	○								○							
	3/8"	○	○								○						
	1/2"			○								○					
	3/4"				○								○				
	1"					○								○			
	1 1/4"						○								○		
	1 1/2"							○								○	
	2"								○								○
	6mm	○								○							
	8mm	○															
	10mm		○								○						
	12mm			○								○					
	18mm				○								○				
	25mm					○								○			
	38mm							○							○		
 Tube Adapter (11/4-2 are preswaged)	1/4"	○							○								
	3/8"		○							○							
	1/2"			○							○						
	3/4"				○							○	○				
	1"					○						○	○				
	1 1/4"						○							○			
	1 1/2"							○								○	
	6mm	○							○								
	8mm	○							○								
	10mm		○							○							
	12mm			○							○						
	18mm				○							○					
	25mm					○							○				
	38mm							○							○		
	 ONE-LOK®	1/4"	○														
3/8"		○	○														
1/2"				○													
6mm		○															
8mm		○															
10mm			○							○							
 UH Line (for vacuum only)	1/4"	○															
	3/8"	○	○														
	1/2"			○													
	3/4"				○												
	1"					○											
 Male NPT	1/4"	○	○						○	○	○						
	3/8"		○	○						○	○						
	1/2"	○		○							○	○					
	3/4"				○							○	○				
	1"					○							○				
	1 1/4"						○							○			
	1 1/2"							○							○		
	2"								○								○



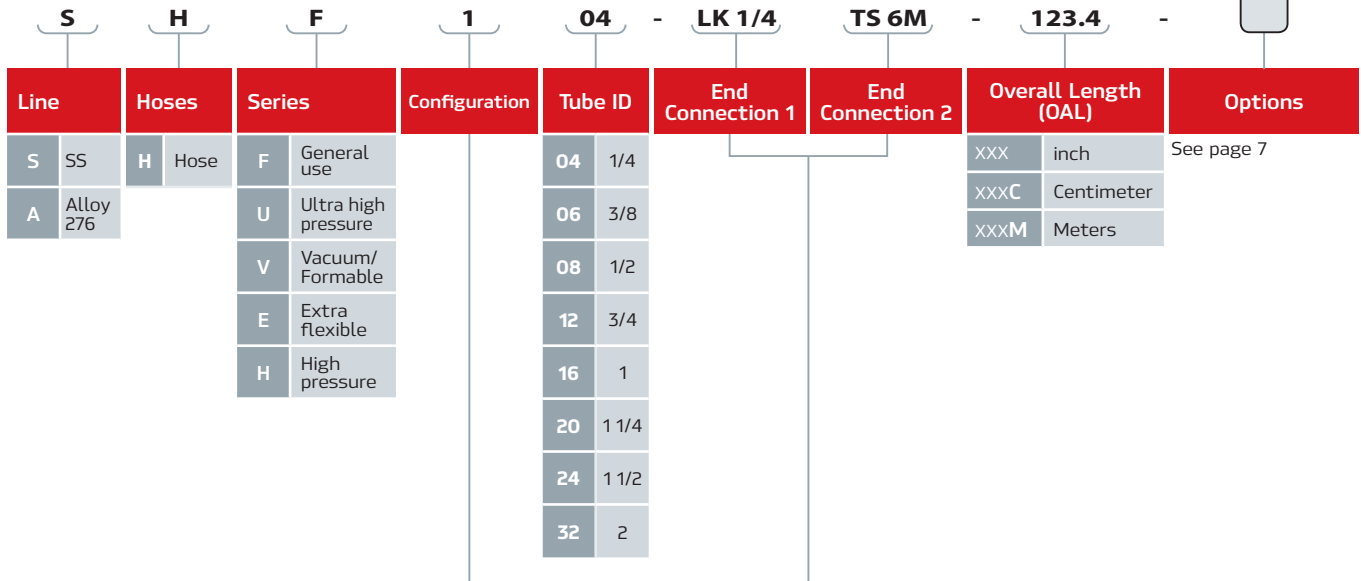
HAM-LET Hoses End Connections Selection (cont.)

End Connection Type	End Connection Size	Metal Hoses - Series SHF / SHU / SHV / SHE / SHH I.D. inch (mm)								PTFE Hoses - Series THT / THS / THC I.D. inch (mm)							
		1/4 (6.35)	3/8 (9.53)	1/2 (12.70)	3/4 (19.05)	1 (25.40)	1 1/4 (31.75)	1 1/2 (38.10)	2 (50.80)	1/4 (6.35)	3/8 (9.53)	1/2 (12.70)	3/4 (19.05)	1 (25.40)	1 1/2 (38.10)	2 (50.80)	
 Male BSPP	1/4"	○								○							
	3/8"		○								○						
	1/2"			○								○					
	3/4"				○								○				
	1"					○								○			
	1 1/4"						○								○		
 Female NPT	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												
	1"					○											
	1 1/2"						○								○		
 Female BSPP	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												
	1"					○											
	1 1/2"						○										
 Butt Weld adapter	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												
	1"					○											
	1 1/4"						○										
 Male Face Seal Swivel	1/4"	○															
	1/2"			○													
	3/4"				○												
	1"					○											
 Female Face Seal Swivel	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												
 Male JIC 37° Flare	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												
	1"					○											
	1 1/4"						○										
 Female JIC 37° Flare	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												



Metal Hoses - Ordering Information

OPTIONAL



Line		Hoses		Series		Configuration	Tube ID		End Connection 1	End Connection 2	Overall Length (OAL)		Options
S	SS	H	Hose	F	General use		04	1/4			XXX	inch	See page 7
A	Alloy 276			U	Ultra high pressure		06	3/8			XXXC	Centimeter	
				V	Vacuum/Formable		08	1/2			XXXM	Meters	
				E	Extra flexible		12	3/4					
				H	High pressure		16	1					
							20	1 1/4					
							24	1 1/2					
							32	2					

Configuration

Series	Configuration	Tube Material	Braid Material	# of braids
F	0	316L	-	0
	1	316L	304	1
	2	316L	304	2
	3	321	-	0
	4	321	304	1
	5	321	304	2
	6	316L	316	1
	7	316L	316	2
	8	321	316	1
9	321	316	2	
U	0	321	-	0
	1	321	321	1
	2	321	321	2
	3	316L	-	0
	4	316L	321	1
5	316L	321	2	
V	0	321	-	0
	1	321	304	1
	2	316L	-	0
	3	316L	304	1
E	0	316L	-	0
	1	316L	304	1
	2	316L	304	2
	3	321	-	0
	4	321	304	1
	5	321	304	2
	6	316L	316	1
	7	316L	316	2
	8	321	316	1
9	321	316	2	
H	0	316	-	0
	1	316	304	1
	2	316	304	2

End Type	End Size
LK	LET-LOK®
TS	Tub Adapter
TP	Tub Adapter Preswaged
GF	Face Seal Female Swivel
GM	Face Seal Male Swivel
FP	Female Pipe NPT
MP	Male Pipe NPT
FG	Female BSP-P
MG	Male BSP-P
BW	Butt Weld Adapter
HL	ONE-LOK®
UH	UH-Line (Vacuum only)
FF	Female Flare 37°
MF	Male Flare 37°

Warning!

The system designer and user have the sole responsibility for selecting products suitable for their special application requirements, ensuring their safe and trouble-free installation, operation, and maintenance. Application details, material compatibility and product ratings should all be considered for each selected product. Improper selection, installation or use of products can cause property damage or personal injury.



Metal Hoses - Options

Test		Cleaning		Internal Lamina		Outer Cover		Extras		Tagging			
H	Helium Leak Test 1x10 ⁻⁹	O	Oxygen Cleaning	L	Liner	G	Spring Guard	V	Protective Cable	T	Paper Tag	None	On One End
Y	Hydraulic Test					R	Protective Cover	N	Interlock bend restrictor	M	Metal Tag ⁽¹⁾	B	Both Ends
						J	Insulating Jacket			P	Plastic Tag		
						A	Armor						

(1) One end metal tag with MWP marking - is supply as standard (no need to mark this option to have this tag)

PTFE Hoses - Ordering Information

