

# HAM-LET Hoses Quick Selection Guide

See Ordering information on page 462

Hose Series	Number of Braids	Inside Diameter 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)	
		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)
<b>SHF</b> General Use Standard Product T321, T316L (See page 452)	0	90 (6)		70 (5)		70 (5)		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)	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)		1347 (93)		1077 (74)		968 (67)		797 (55)		674 (46)	
<b>SHU</b> Ultra High Pressure T321 & T316L (See page 453)	0	500 (34)						250 (17)	4.5 (114)	180 (12)	7.0 (178)	190 (13)	9.5 (241)	110 (8)	11.5 (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)	-	-	-	-
<b>SHV</b> Vacuum / Formable Stay-Put Application T321, T316L (See page 454)	0	90 (6)		70 (5)		70 (5)											
	1	900 (62)		800 (55)		665 (46)											
<b>SHE</b> Extra Flexible Most Flexible T321, T316L, T304L (See page 455)	0	90 (6)		70 (5)		70 (5)		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)	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)		1347 (93)		1077 (74)		968 (67)		797 (55)		674 (46)	
<b>SHH</b> High Pressure Helical High-Pressure T316L (See page 456)	1	4600 (317)		3800 (262)		2600 (179)		-		-		-		-		-	
	2	5800 (400)	5.0 (127)	4000 (276)	5.5 (140)	3700 (255)	5.7 (145)										
<b>THT</b> Smooth Core PTFE Metal Braided Hose (See page 466)	1	3200 (221)	1.5 (38)	2500 (172)	2.0 (51)	2000 (138)	3.0 (76)	1000 (69)	8.2 (208)	1000 (69)	12.0 (305)						
<b>THS</b> Silicon Covered Smooth Core PTFE Metal Braided Hose (See page 467)	1	3250 (224)	1.5 (38)	2500 (172)	2.0 (51)	2000 (138)	3.0 (76)	1000 (69)	8.2 (208)	1000 (69)	12.0 (305)						
<b>THC</b> Convolute Core PTFE Metal Braided Hose (See page 468)	1	-	-	-	-	1500 (103)	2.5 (64)	1100 (76)	3.0 (76)	1000 (69)	5.5 (140)			700 (48)	6.0 (152)	525 (36)	7.5 (191)

# 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 (1 1/4-2 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		○														
	12mm			○													
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

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"						○										
	1 1/2"							○							○		
Female NPT	1/4"	○								○							
	3/8"		○								○						
	1/2"			○								○					
	3/4"				○								○				
	1"					○								○			
	1 1/2"							○							○		
	2"															○	
Female BSPP	1/4"	○								○							
	3/8"		○								○						
	1/2"			○								○					
	3/4"				○								○				
	1"					○								○			
	1 1/2"							○							○		
	2"															○	
Butt Weld adapter	1/4"	○								○							
	3/8"		○								○						
	1/2"			○								○					
	3/4"				○								○				
	1"					○								○			
	1 1/4"						○								○		
	1 1/2"							○								○	
2"															○		
Male Face Seal Swivel	1/4"	○															
	1/2"			○													
	3/4"				○												
	1"					○											
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"					○											
	1 1/4"						○										
	1 1/2"							○									
2"															○		
Female JIC 37° Flare	1/4"	○															
	3/8"		○														
	1/2"			○													
	3/4"				○												