

Hydraulic Hose Fittings

Pressure Ratings



Fitting end connection	Description	Inch fittings (size) <i>Maximum working pressure (MPa) – design factor 4:1</i>														
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	-56	-64	-80
92, B1, B2	BSP swivel female	63.0		55.0	43.0	42.0	42.0	42.0	35.0	30.0	25.0					
B5	BSP swivel female flat seat	63.0		55.0	43.0	37.5	35.0	28.0	25.0	21.0	21.0					
B4	BSP swivel female (compact brazed)	35.0	35.0	35.0	35.0	35.0	35.0	28.0	25.0	21.0	21.0					
EA, EB, EC	BSP swivel female with O-ring	45.0		45.0	42.0	42.0	42.0	42.0	35.0	30.0	25.0					
91, D9	BSP male	63.0		55.0	43.0		35.0	28.0	25.0	21.0	21.0					
01	NPTF male	83.0		69.0	69.0		52.0	45.0	35.0	21.0	17.5	35.0	35.0*	* Dynamic hydraulic application ** Static applications according to ISO 6807-D		
02	NPTF female	48.0		41.0	35.0		28.0	21.0	17.5	14.0	14.0					
03, 33	SAE (JIC) 37° male	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5					
04	SAE 45° male	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5					
05	SAE male with O-ring	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5					
06/68,37/3V, 39/3W, L9, 41/3Y	SAE (JIC) 37° swivel female	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5					
07	Female NPSM-pipe swivel	48.0		41.0	35.0		28.0	21.0								
08, 77, 79	Female SAE 45° swivel	21.0	21.0	21.0	21.0	19.0	15.5	14.0	11.0	9.0	8.0					
1L	Male NPTF pipe swivel 90° Elbow	21.0	21.0	21.0	21.0	19.0	15.5	14.0	11.0	9.0	8.0					
S2	Female NPTF pipe swivel	21.0	21.0	21.0	21.0	19.0	15.5	14.0	11.0	9.0	8.0					
0G, 0L	Male SAE O-ring	21.0	21.0	21.0	21.0	19.0	15.5	14.0	11.0	9.0	8.0					
28, 67, 69	SAE Male inverted 45° swivel	19.0	17.5	15.5	14.0											
15, 16, 17, 18, 19, 26, 27, 89, X5, X7, X9	ISO 6162-1 Flange (21.0 MPa/ 3000 psi)				35.0	35.0	35.0	35.0	28.0	28.0	21.0	17.5	16.0	3.5	3.5	3.5
4A, 4N, 4F	ISO 6162-1 Flange (35.0 MPa/ 5000 psi)								35.0	35.0	35.0					
6E, 6F, 6G, 6N, XA, XF, XG, XN, X5, X7, X9	ISO 6162-2 Flange (42.0 MPa/ 6000 psi)				42.0		42.0	42.0	42.0	42.0	42.0					
6A	ISO 6162-2 Flange (42.0 MPa/ 6000 psi)				42.0		42.0	42.0	42.0	42.0	42.0	42.0				
8A, 8F, 8N	SAE Flange 8000 psi						56.0	56.0	56.0							
A0	Male Super SteckO Rigid				51.8		42.0	38.0	35.0	35.0	35.0					
S0	Male SteckO Rigid	45.0		40.0	36.2		28.0	28.0	21.0	21.0	17.0					

Fitting end connection	Description	Inch fittings (size) <i>Maximum working pressure (MPa) – design factor 4:1</i>									
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
JM, JC, JS, J1, J5, J7, J9, JD	ORFS male / female	63.5		63.5	63.5	41.0	41.0	41.0	28.0	28.0	
GU	JIS / BSP swivel female 60° cone	35.0	35.0	35.0	35.0		28.0	21.0	17.5		
FU	Female JIS / BSP 30° parallel pipe swivel	35.0	35.0	35.0	35.0	28.0	28.0	21.0	17.5		
MU	JIS 30° metric swivel female	35.0	35.0	35.0	35.0	28.0	28.0	21.0	17.5		
MZ	Metric swivel female 90° Elbow	35.0	35.0	35.0	35.0	28.0	28.0	21.0	17.5		
UT	JIS / BSP male 60° cone	35.0		35.0	35.0		28.0	21.0	17.5		
V1	Banjo soft seal with UNF bolt	25.0	25.0		21.5	21.5	20.0				
V3	Banjo soft seal with BSPPP bolt	25.0	25.0		21.5	21.5	20.0				
XU, XY	Female Metric swivel 30° Flare	35.0	35.0	35.0	35.0	28.0	28.0	21.0	17.5		

Fitting end connection	Description	Metric tube (mm) • Very light series – LL <i>Maximum working pressure (MPa) – design factor 4:1</i>									
		8	10	12	15	18	20	25	32	42	50
C0	DIN 20078 Form C swivel female DKLL						6.3	6.3	6.3	6.3	4.0

Fitting end connection	Description	Metric tube (mm) • Metric <i>Maximum working pressure (MPa) – design factor 4:1</i>											
		6	8	10	12	14	16	18	20	22	25	27	
49	Metric Banjo - straight (DIN 7642)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0		
V2	Banjo soft seal with metric bolt				25.0	25.0		21.5		21.5		20.0	

Fitting end connection	Description	Metric tube (mm) • Heavy series – S <i>Maximum working pressure (MPa) – design factor 4:1</i>									
		6	8	10	12	14	16	20	25	30	38
C6, C7, C8	Swivel female	63.0	63.0	63.0	63.0	63.0	40.0	40.0	40.0	25.0	25.0
C9, 0C, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
3D	Metric standpipe	63.0	63.0	63.0	63.0	63.0	40.0	40.0	40.0	25.0	25.0

Fitting end connection	Description	Metric tube (mm) • French gas series <i>Maximum working pressure (MPa) – design factor 4:1</i>				
		13	17	21	27	33
F2	Swivel female 90° Elbow	36.0	27.0	25.5	20.0	17.0
F4	Swivel female (Ball Nose)	36.0	27.0	25.5	20.0	17.0
FG	Male stud	36.0	27.0	25.5	20.0	17.0

Fitting end connection	Description	Metric tube (mm) • French metric series <i>Maximum working pressure (MPa) – design factor 4:1</i>						
		10	12	14	18	20	22	30
F9	Swivel female	20.0		14.0	16.0	14.0	13.0	12.2
F6	Male agricultural valves	20.0		14.0	16.0	14.0	13.0	12.2
FA	Male agricultural valves		25.0					

Fitting end connection	Description	Metric tube (mm) • Light series – L <i>Maximum working pressure (MPa) – design factor 4:1</i>									
		6	8	10	12	15	18	22	28	35	42
C3, C4, C5	DIN 20078 Form A swivel female	25.0	25.0	25.0	25.0	25.0	16.0	16.0	10.0	10.0	10.0
CA, CE, CF	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0
D0, DF, DG, DK	ISO 12151-2 male stud	25.0	42.5	40.0	35.0	31.0	28.0	28.0	21.0	16.0	16.0
DX	Metric swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0
1D, DD, 5D	Metric standpipe	25.0	25.0	25.0	25.0	25.0	16.0	16.0	10.0	10.0	10.0
CW, NW	High pressure cleaning hose connection				40.0						
PW	High pressure cleaning hose connection			22.5							
EN, ET, EU	Universal push-in connector		40.0	35.0	35.0	29.5	28.0	21.5			



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