

Dimensioning

SAE J514 37° FLARE FITTING

Size	Tube				T1 Thread Diameter	ØD3 Bore BSPP mm	T2 Port thread		
	Metric tube		Inch tube				UN/UN (BSPT,NPTF)	Metric	
	O.D thickness mm	Max.Wall mm	O.D thickness inch	max.Wall UN/UNF inch					
4	6	1.5	1/4	0.065	7/16-20	4.5	G 1/8 A	7/16-20	M10X1.0
4-4	6	1.5	1/4	0.065		4.5	G 1/4 A		
4-5	6	1.5	1/4	0.065		4.5		1/2-20	
4-6	6	1.5	1/4	0.065		4.5	G 3/8 A	9/16-18	
4-8	6	1.5	1/4	0.065		4.5	G 1/2 A		
5	8	1.5	5/16	0.065	1/2-20	6.0	G 1/8 A	1/2-20	M12X1.5
5-4	8	1.5	5/16	0.065		6.0	G 1/4 A		
5-6	8	1.5	5/16	0.065		6.0	G 3/8 A		
5-8	8	1.5	5/16	0.065		6.0	G 1/2 A		
6-2	10	1.5	3/8	0.065	9/16-18	7.5	G 1/8 A		M14X1.5
6	10	1.5	3/8	0.065		7.5	G 1/4 A	9/16-18	
6-6	10	1.5	3/8	0.065		7.5	G 3/8 A		
6-8	10	1.5	3/8	0.065		7.5	G 1/2 A	3/4-16	
8-4	12	2.0	1/2	0.083	3/4-16	10.0	G 1/4 A		M16X1.5 M18X1.5
8	12	2.0	1/2	0.083		10.0	G 3/8 A	3/4-16	
8-8	12	2.0	1/2	0.083		10.0	G 1/2 A		
8-10	12	2.0	1/2	0.083		10.0		7/8-14	
8-12	12	2.0	1/2	0.083		10.0	G 3/4 A	1-1/16-12	
10-6	14,15,16	2.5	5/8	0.095	7/8-14	12.5	G 3/8 A		M 18X1.5 M 22X1.5
10-8	14,15,16	2.5	5/8	0.095		12.5		3/4-16	
10	14,15,16	2.5	5/8	0.095		12.5	G 1/2 A	7/8-14	
10-12	14,15,16	2.5	5/8	0.095		12.5	G 3/4 A	1-1/16-12	
12-8	18,20	3.0	3/4	0.109	1-1/16-12	15.5	G 1/2 A	3/4-16	M 22X1.5 M 27X 2
12-10	18,20	3.0	3/4	0.109		15.5		7/8-14	
12	18,20	3.0	3/4	0.109		15.5	G 3/4 A	1-1/16-12	
12-16	18,20	3.0	3/4	0.109		15.5	G 1 A	1-5/16-12	
14	22	3.0	7/8	0.109	1-3/16-12	18.0	G 3/4 A	1 3/16-12	M 27X 2.0
14-16	22	3.0	7/8	0.109		18.0	G 1 A	1 5/16-12	
16-12	25	3.0	1	0.120	1-5/16-12	21.5	G 3/4 A	1 1/16-12	M 33X 2.0
16	25	3.0	1	0.120		21.5	G 1 A	1 5/16-12	
16-20	25	3.0	1	0.120		21.5	G 1-1/4 A	1 5/8-12	
20-12	28,30,32	3.0	1 1/4	0.120	1-5/8-12	27.5	G 3/4 A		M 42X 2.0
20-16	28,30,32	3.0	1 1/4	0.120		27.5	G 1 A		
20	28,30,32	3.0	1 1/4	0.120		27.5	G 1-1/4 A	1 5/8-12	
24-20	35,38	4.0	1 1/2	0.120	1-7/8-12	33.0	G 1 1/4 A		M 48X 2.0
24	35,38	4.0	1 1/2	0.120		33.0	G 1-1/2 A	1 7/8-12	
28-24	42	3.0			2 1/4-12	39.0	G 1-1/2 A		
32	50	3.5	2	0.134	2 1/2-12	45.0	G 2 A	2 1/2-12	

37° - Flare acc. ISO 8434-2 not compatible with flare according DIN 3949