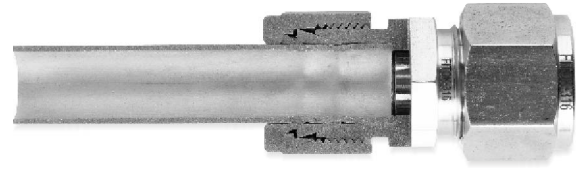


Features

- ⦿ Sizes range from 1/16" to 2" and 2 mm to 50 mm
- ⦿ Diverse materials and configurations are available
- ⦿ Precision machined components ensure perfect deformation of the ferrules and tubing
- ⦿ Hardened threads with smooth surface finish avoid galling and help to extend the fitting service life
- ⦿ Female nut threads are silver-plated to reduce the friction against the body threads
- ⦿ Radius junction design for elbows provides smooth flow path
- ⦿ Every fitting is marked with size, material and heat number
- ⦿ Fittings are easy to disconnect and retighten
- ⦿ 1/8" to 5/8", 3 mm to 16 mm fittings available with EC-79 certification



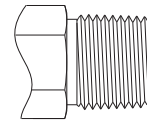
Technical Data

⦿ Thread Ends

NPT Threads (NPT)

- ⦿ Comply with ASME B1.20.1, SAE AS71051.

Thread Data						
Thread Size	Thread/in.	Dia. at Reference Plane (mm)			Handtight Engagement	
		Max. Dia.	Pitch Dia.	Min. Dia.	(mm)	Threads
1/16	27	7.894	7.142	6.389	4.064	4.32
1/8		10.242	9.489	8.737	4.102	4.36
1/4	18	13.616	12.487	11.358	5.785	4.10
3/8		17.055	15.926	14.797	6.096	4.32
1/2	14	21.224	19.772	18.321	8.128	4.48
3/4		26.569	25.117	23.666	8.618	4.75
1	11.5	33.228	31.461	29.694	10.160	4.60
1 1/4		41.985	40.218	38.451	10.668	4.83
1 1/2		48.054	46.287	44.520	10.668	4.83
2		60.092	58.325	56.558	11.065	5.01



- 60° thread angle
- Pitch measured in inch
- Truncation of root and crest are parallel
- Taper 1:16
- Type of sealing: thread sealant

Working Pressures of NPT Thread Ends																
Thread Size	316 Stainless Steel and Carbon Steel				Brass				Alloy 400				Titanium			
	Male		Female		Male		Female		Male		Female		Male		Female	
	psig	bar	psig	bar	psig	bar	psig	bar	psig	bar	psig	bar	psig	bar	psig	bar
1/16	11000	757	6700	460	5500	378	3300	227	9900	682	6000	413	8800	606	5300	365
1/8	10000	690	6500	447	5000	344	3200	220	9000	620	5800	399	8000	551	5200	358
1/4	8000	551	6600	454	4000	275	3300	227	7200	496	5900	406	6400	440	5200	358
3/8	7800	537	5300	365	3900	268	2600	179	7000	482	4700	323	6200	427	4200	289
1/2	7700	530	4900	337	3800	261	2400	165	6900	475	4400	303	6100	420	3900	268
3/4	7300	502	4600	316	3600	248	2300	158	6500	447	4100	282	5800	399	3600	248
1	5300	365	4400	303	2600	179	2200	151	4700	323	3900	268	4200	289	3500	241
1 1/4	6000	410	5000	344	3000	200	2500	172	5400	372	4500	372	4800	330	4000	275
1 1/2	5000	344	4600	317	2500	172	2300	158	4500	310	4100	282	4000	275	3600	248
2	3900	268	3900	268	1900	130	1900	130	3500	241	3500	241	3100	213	3100	213

Working pressure is based on ANSI/ASME B31.3 at ambient temperature.