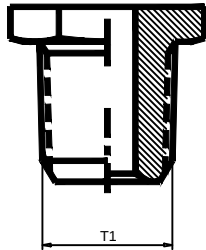


Dimensioning

Port end dimensions for tube fittings

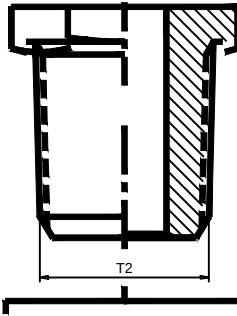
Male stud NPT/F

Sealing: Tapered thread¹⁾
NPT ANSI/ASME B 1.20.1-1983
NPTF ANSI/ASME B 1.20.3-1976



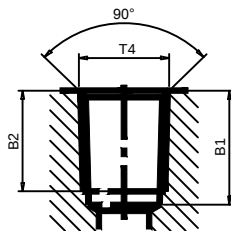
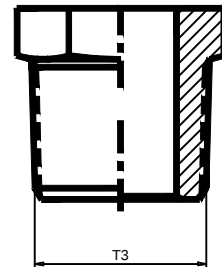
Male stud BSPT

Sealing: Tapered thread¹⁾
 ISO 7/BS 21/DIN 2999-1



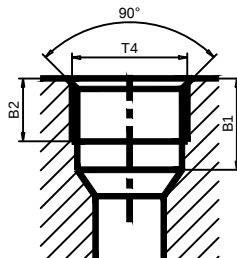
Male stud Type C

Sealing: Tapered thread short¹⁾
Metric DIN 3852-1
Inch DIN 3852-2



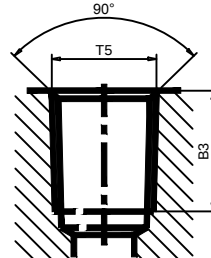
Port NPT/F (taper)

NPT ANSI/ASME B 1.20.1-1983
NPTF ANSI/ASME B 1.20.3-1976



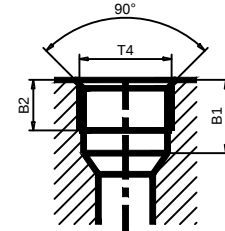
Port BSPP (parallel)

ISO 7/1-Rp
 BS 21-Rp (ISO 1179-1)



Port BSPT (Taper)

ISO 7/1-Rc/BS 21-Rc
 DIN 2999-Rc (Japan;PT)



Port (parallel)

Metric DIN 3852-1
Inch DIN 3852-2

Thread T1	Thread T2	Thread T3	Thread T4	Thread T5	B1 min.	B2 min.	B3 min.
1/8-27 NPT/F* 1/4-18 NPT/F* 3/8-18 NPT/F* 1/2-14 NPT/F* 3/4-14 NPT/F* 1-11.5 NPT/F* 1 1/4-11.5 NPT/F* 1 1/2-11.5 NPT/F*			1/8-27 NPT/F* 1/4-18 NPT/F* 3/8-18 NPT/F* 1/2-14 NPT/F* 3/4-14 NPT/F* 1-11.5 NPT/F* 1 1/4-11.5 NPT/F* 1 1/2-11.5 NPT/F*		11.6 16.4 17.4 22.6 23.1 27.8 28.3 28.3	6.9 10.0 10.3 13.6 14.1 16.8 17.3 17.3	
	R 1/8 R 1/4 R 3/8 R 1/2 R 3/4 R 1 R 1-1/4 R 1-1/2		Rp 1/8 Rp 1/4 Rp 3/8 Rp 1/2 Rp 3/4 Rp 1 Rp 1-1/4 Rp 1-1/2	Rc 1/8 Rc 1/4 Rc 3/8 Rc 1/2 Rc 3/4 Rc 1 Rc 1-1/4 Rc 1-1/2	9.7 12.0 13.5 17.6 19.1 21.4 21.4 22.4	7.9 11.2 12.0 15.0 16.0 19.1 19.9 20.6	7.4 11.0 11.4 15.0 16.3 19.0 21.4 21.4
		M 8X1 tap. M 10X1 tap. M 12X1.5 tap. M 14X1.5 tap. M 16X1.5 tap. M 18X1.5 tap. M 20X1.5 tap. M 22X1.5 tap.	M 8X1 M 10X1 M 12X1.5 M 14X1.5 M 16X1.5 M 18X1.5 M 20X1.5 M 22X1.5		10.0 10.0 13.5 13.5 13.5 13.5 15.5 15.5	5.5 5.5 8.5 8.5 8.5 8.5 10.5 10.5	
		R 1/8 tap. R 1/4 tap. R 3/8 tap. R 1/2 tap.	R 1/8 R 1/4 R 3/8 R 1/2		8.5 12.5 12.5 16.5	5.5 8.5 8.5 10.5	