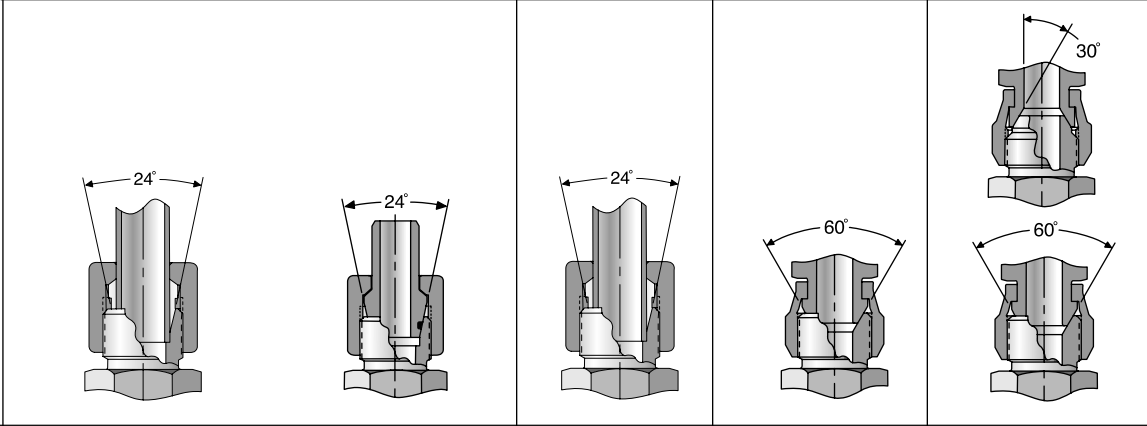


**Selection of Fitting Type**

**Tube End Connections**

**Thread Size Guide — Metric, BSPP and JIS Threads**



Tube O.D. or Adapter Size (mm)	Metric 24° cone			Metric 24° cone Flareless	60° Cone	30° Flare and 60° Cone
	Flareless DIN 3861	Weld Nipple DIN 3865 “EO” and “EO-2”		JIS B2351 “JIS”	BS 5200	JIS B8363
	LL Series Metric ISO 261	L Series Metric ISO 261	S Series Metric ISO 261	Metric ISO 261 (JIS B0207)	ISO 228-1 (BSPP) <sup>5)</sup>	ISO 228-1 (JIS B 0202) (BSPP) <sup>5)</sup>
—	—	—	—	—	—	—
4	M8 x 1	—	—	—	—	—
5	M10 x 1 <sup>3)</sup>	—	—	—	—	—
6	M10 x 1	M12 x 1.5	M14 x 1.5	M12 x 1.5	G 1/8 A	G 1/4 B
8	M12 x 1	M14 x 1.5	M16 x 1.5	M14 x 1.5	G 1/4 A	—
9 <sup>2)</sup>	—	—	—	—	—	G 3/8 B
10	M14 X 1 <sup>4)</sup>	M16 x 1.5	M18 x 1.5	M16 x 1.5	G 3/8 A	—
12	M16 x 1 <sup>4)</sup>	M18 x 1.5	M20 x 1.5	M18 x 1.5	G 1/2 A	G 1/2 B
14	—	—	M22 x 1.5	—	—	—
15 <sup>1)</sup>	—	M22 x 1.5	—	—	—	—
16	—	—	M24 x 1.5	M24 x 1.5	G 5/8 A <sup>6)</sup>	—
18 <sup>1)</sup>	—	M26 x 1.5	—	—	—	—
19 <sup>2)</sup>	—	—	—	—	—	G 3/4 B
20	—	—	M30 x 2	M28 x 1.5	G 3/4 A	—
22 <sup>1)</sup>	—	M30 x 2	—	—	—	—
25	—	—	M36 x 2	M35 x 1.5	G 1 A	G 1 B
28 <sup>1)</sup>	—	M36 x 2	—	—	—	—
30	—	—	M42 x 2	M40 x 1.5	G 1-1/4 A	—
32 <sup>2)</sup>	—	—	—	—	—	G 1-1/4 B
35 <sup>1)</sup>	—	M42 x 2	—	—	—	—
38	—	—	M52 x 2	M48 x 1.5	G 1-1/2 A	G 1-1/2 B
42 <sup>1)</sup>	—	M52 x 2	—	—	—	—
50	—	—	—	—	G 2 A	G 2 B

**Table V8— Tube End Connections**

- 1) Not preferred for high pressure applications.
- 2) Not preferred sizes. Use 10mm, 20mm and 30mm sizes in place of 9mm, 19mm and 32mm sizes, respectively.
- 3) Covered in ISO 8434-1. Non-standard with Parker TFDE (Ermeto).
- 4) Not part of DIN or ISO standards, but offered by Parker TFDE (Ermeto).
- 5) ISO 228-1 G threads and JIS B 0202 G or PF threads can be interchanged. “A” and “B” indicate different tolerance classes on the male threads, “A” having tighter tolerances than “B”.
- 6) Non-preferred size.

Dimensions and pressures for reference only, subject to change.