



METRIC ISO 6149 REFERENCE DIMENSIONS

R E F	Tube OD	B (1) Thread Size	C		D (2) Min. Dia.	J Full Thread Depth, Min.	K	O Min. Dia.	P (3) Min	S Max	U (5) Dia.	Y (3)	Z Angle
			Min	Max	MM	MM	+0.12 -0	MM	MM	MM	MM	+0.100 -0.000	MM
A	4	M8 X 1.0	6.92	7.15	3	10.0	1.6	11	11.5	1.0	9.1	17	12
B	5	M10 X 1.0	8.92	9.15	4	10.0	1.6	13	11.5	1.0	11.1	20	12
C	6	M12 X 1.5	10.38	10.68	6	11.5	2.4	16	14.0	1.5	13.8	22	15
D	8	M14 X 1.5	12.38	12.68	7.5	11.5	2.4	18	14.0	1.5	15.8	25	15
E	10	M16 X 1.5	14.38	14.68	9	13.0	2.4	20	15.5	1.5	17.8	28	15
F	12	M18 X 1.5	16.38	16.68	11	14.5	2.4	22	16.5	2.0	19.8	29	15
G	16	M22 X 1.5	20.38	20.68	14	15.5	2.4	26	18.0	2.0	23.8	34	15
H	20	M27 X 2.0	24.84	25.21	16	19.0	3.1	32	22.0	2.0	29.4	40	15
I	22	M30 X 2.0	27.84	28.21	18	19.0	3.1	35	22.0	2.0	32.4	43	15
J	25	M33 X 2.0	30.84	31.21	22	19.0	3.1	38	22.0	2.5	35.4	49	15
K	32	M42 X 2.0	39.84	40.21	30	19.5	3.1	47	22.5	2.5	44.4	60	15
L	38	M48 X 2.0	45.84	46.21	36	19.5	3.1	53	22.5	2.5	50.4	66	15
	50	M60 X 2.0	57.84	58.21	40	21.5	3.1	65	24.5	2.5	62.4	76	15
FOR CARTRIDGE CAVITY ONLY (SEE ISO 7789)													
		M20 X 1.5(5)	18.38	18.68		14.5	2.4	24		2.0	21.8	32	15

1. Tolerance class 6H.
2. Recommended minimum connecting hole application may require a different size.
3. Tap drill depths given require use of a bottoming taps to produce the specified full thread lengths. Where standard taps are used, the tap drill depths must be increased accordingly.
4. Preferred for diagnostic port applications.
5. Preferred for cartridge valve applications.



For plugs fitting Metric ISO 6149 ports that are guaranteed to never leak, visit www.zeroleak.com

EPCO Products, Inc. • PO Box 9250 • Fort Wayne, Indiana 46899
 800-879-EPCO(3726) or 260-747-8888 • www.zeroleak.com • Email: info@zeroleak.com