

TECHNICAL INFORMATION

Tap Shank Dimensions ISO 529 - 1975

Dimension Dia. x Square	Metric		UNC		UNF		BSW		BSF		BA	
		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged
3.15 x 2.5	M4	M3	-	No. 4-40	-	No. 4-48	-	-	-	-	-	No. 5
	-	-	No. 8.32	No. 5-40	No. 8-36	No. 5-44	-	-	-	-	No. 3	-
3.55 x 2.8	M 4.5	M 3.5	No. 10-24	No. 6-32	No. 10-32	No. 6-40	3/16"-24	-	3/16"-32	-	No. 2	No. 4
4 x 3.15	M 5	M 4	No. 12-24	-	No. 12-28	-	-	-	7/32"-28	-	No. 1	-
4.5 x 3.55	M 6	-	1/4"-20	No. 8-32	1/4"-28	No. 3-36	1/4"-20	-	1/4"-26	-	No. 0	No. 3
5 x 4	-	M 5	-	No. 10-24	-	No. 10-32	-	3/16"-24	-	3/16"-32	-	No. 2
5.6 x 4.5	-	-	-	No. 12-24	-	No. 12-28	-	-	9/32"-26	7/32"-28	-	No. 1
6.3 x 5	M 8	M 6	5/16"-18	1/4"-20	5/16"-24	1/4"-28	5/16"-18	1/4"-20	5/16"-22	1/4"-26	-	No. 0
7.1 x 5.6	-	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	9/32"-36	-	-
8 x 6.3	M 10	M 8	7/16"-14	5/16"-18	7/16"-20	-	7/16"-14	5/16"-18	7/16"-18	5/16"-22	-	-
9 x 7.1	M 12	-	1/2"-13	-	1/2"-20	-	1/2"-12	-	1/2"-12	-	-	-
10 x 8	-	M 10	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	-	-
11.2 x 9	M 14	-	9/16"-12	-	9/16"-18	-	9/16"-12	-	9/16"-16	-	-	-
12.5 x 10	M 16	-	5/8"-11	-	5/8"-18	-	5/8"-11	-	3/8"-14	-	-	-
14 x 11.2	M 18	-	3/4"-10	-	3/4"-16	-	11/16"-11	-	11/16"-14	-	-	-
	M 20	-	-	-	-	-	3/4"-10	-	3/4"-12	-	-	-
16 x 12.5	M 22	-	7/8"-9	-	7/8"-14	-	7/8"-9	-	7/8"-11	-	-	-
18 x 14	M 24	-	1"-8	-	1"-12	-	1"-8	-	1"-10	-	-	-
20 x 16	M 27	-	1 1/8"-7	-	1 1/8"-12	-	1 1/8"-7	-	1 1/8"-9	-	-	-
	M 30	-	-	-	-	-	-	-	-	-	-	-
22.4 x 18	M 33	-	1 1/4"-4	-	1 1/4"-12	-	1 1/4"-7	-	1 1/4"-9	-	-	-
25 X 20	M 36	-	1 3/8"-6	-	1 3/8"-12	-	-	-	1 3/8"-8	-	-	-
28 x 22.4	M 39	-	1 1/2"-6	-	1 1/2"-12	-	1 1/2"-6	-	1 1/2"-8	-	-	-
	M 42	-	-	-	-	-	-	-	1 5/8"-8	-	-	-
31.5 x 25	M 45	-	1 3/4"-5	-	-	-	1 3/4"-5	-	1 3/4"-7	-	-	-
	M 48	-	-	-	-	-	-	-	-	-	-	-

Tap Shank Dimensions DIN

Dimension Dia. x Square	DIN 352	DIN 353	DIN 371	DIN 374	DIN 376	DIN 2182	DIN 2183
3.5 x 2.7	M 3	-	M 3	M 5	M 5	1/8"	-
4 x 3	M 4	-	M 3.5	-	-	-	-
4.5 x 3.4	M 4	-	M 4	M 6	M 6	5/32"	1/4"
	M 5	-	M 5	-	-	7/32"	-
6 x 4.9	M 6	-	M 6	-	-	-	-
	M 8	-	-	M 8	M 8	-	-
7 x 5.5	M 10	G 1/8"	-	M 10	M 10	1/4"	3/8"
8 x 6.2	-	-	M 8	-	-	5/16"	7/16"
9 x 7	M 12	-	-	M 12	M 12	3/8"	1/2"
10 x 8	-	-	M 10	-	-	-	-
11 x 9	M 14	G 1/4"	-	M 14	M 14	-	9/16"
12 X 9	M 16	G 3/8"	-	M 16	M 16	-	5/8"
14 X 11	M 18	-	-	M 18	M 18	-	11/16"
16 X 12	M 20	G 1/2"	-	M 20	M 20	-	13/16"
18 x 14.5	M 22	G 5/8:	-	M 22	M 22	-	7/8"
	M 24	-	-	M 24	M 24	-	15/16"
20 x 16	M 27	G 3/4"	-	M 27	M 27	-	1"
22 x 18	M 30	G 7/8"	-	M 30	M 30	-	1 1/8"
25 x 20	M 33	G 1"	-	M 33	M 33	-	1 1/4"
28 x 22	M 36	G 1 1/8"	-	M 36	M 36	-	1 3/8"
32 x 24	M 39	G 1 1/8"	-	M 39	M 39	-	1 1/2"
	M 42	-	-	M 42	M 42	-	1 5/8"
36 x 29	M 45	G 3/8"	-	M 45	M 45	-	1 3/4"
	M 48	G 1 1/2"	-	M 48	M 48	-	1 7/8"
	-	G 1 3/4"	-	-	-	-	-
	-	G 2"	-	-	-	-	-

Tap Shank Dimensions ANSI (US Standards)

Tap Shank Dimensions (JIS Standards)

Dimension in Inch. Dia. x Square		Metric Conversions			Tap Size	Dimension in Inch. Dia. x Square		Metric Conversions			Tap Size	Dimension in mm. Dia. x Square		Tap Size
0.141	0.110	3.59	2.80	1/8"	No. 6	0.590	0.442	14.99	11.23	3/4"		4.0	3.0	M 3 & M 3.5
0.168	0.131	4.27	3.33	5/32"	No. 8	0.652	0.489	16.57	12.43	M 20		5.0	4.0	M 4 & M 4.5
0.194	0.152	4.93	3.87	3/16"	No. 10	0.688	0.515	17.47	13.09	1/2" Ps		5.5	4.5	M 5
0.220	0.165	5.59	4.20	No. 12		0.697	0.523	17.71	13.29	7/8"		6.0	4.5	M 6
0.255	0.191	6.48	4.86	1/4"	No. 14	0.700	0.531	17.78	13.49	3/8"Ps		6.2	5.0	M 7 & M 8
0.312	0.234	7.94	5.95	1/16"Ps	1/8"Ps	0.760	0.570	19.31	14.48	M 24		7.0	5.5	M 9 & M 10
0.318	0.238	8.08	6.05	5/16"	3/8"	0.800	0.600	20.32	15.24	1"		8.0	6.2	M 11
0.323	0.242	8.21	6.15	5/16"	7/16"	0.896	0.672	22.76	17.07	1 1/8"		8.5	6.5	M 12
0.367	0.275	9.33	6.99	1/2"		0.906	0.679	23.02	17.25	3/4" P		10.5	8.0	M 14
0.381	0.286	9.68	7.27	3/8"		1.021	0.766	25.94	19.46	1 1/4"		12.5	10.0	M 16
0.429	0.322	10.90	8.18	9/16"		1.108	0.833	28.15	21.11	1 3/8"		14.0	11.0	M 18
0.438	0.328	11.12	8.34	1/8"Ps		1.125	0.843	28.58	21.42	1" P		15.0	12.0	M 20
0.480	0.360	12.20	9.15	5/8"		1.233	0.925	31.32	23.50	1 1/2"		17.0	13.0	M 22
0.542	0.406	13.77	10.31	11/16"		1.132	0.984	33.34	25.00	1 1/4" P		19.0	15.0	M 24
0.563	0.421	14.29	10.70	1/4"Ps		1.430	1.072	36.33	27.23	1 3/4"		20.0	15.0	M 27
												23.0	23.17	M 30