

Keyway Broaches Metric

Standard Metric Keyway Broaches: ISO J-9 Tolerance

Broach	EDP No.	J-9 Keyway Width Tol. In Inches*	For Standard Millimeter Keys	Dimensions In Inches	No. of Shims	Min. Length of Cut	Max. Length of Cut	Pressure Required for Max. L/C
2mm-I	11102	.0787-.0792	2mm x 2mm	1/8 x 5 1/4	0	13/64	1 1/8	510 lbs.
3mm-I	11103	.1181-.1186	3mm x 3mm	1/8 x 5 1/4	1	13/64	1 1/8	720 lbs.
4mm-II	11204	.1575-.1580	4mm x 4mm	1/4 x 7	1	19/64	1 11/16	1,140 lbs.
5mm-II	11205	.1968-.1973	5mm x 5mm	1/4 x 7	1	19/64	1 11/16	2,040 lbs.
5mm-III	11305	.1968-.1973	5mm x 5mm	3/8 x 11 7/8	1	13/32	2 1/2	1,680 lbs.
6mm-III	11306	.2362-.2376	6mm x 6mm	3/8 x 11 7/8	1	13/32	2 1/2	1,890 lbs.
7mm-III	11307	.2756-.2761	7mm x 7mm	3/8 x 11 7/8	1	13/32	2 1/2	2,985 lbs.
8mm-III	11308	.3150-.3155	8mm x 7mm	3/8 x 11 7/8	1	13/32	2 1/2	3,995 lbs.
10mm-IV	11410	.3937-.3942	10mm x 8mm	9/16 x 13 7/8	2	3/4	6	8,100 lbs.
12mm-IV	11412	.4724-.4730	12mm x 8mm	9/16 x 13 7/8	2	3/4	6	10,550 lbs.
14mm-IV	11414	.5512-.5519	14mm x 9mm	9/16 x 13 7/8	2	3/4	6	11,090 lbs.
16mm-V	11516	.6299-.6306	16mm x 10mm	3/4 x 15 1/4	3	3/4	6	11,375 lbs.
18mm-V	11518	.7087-.7093	18mm x 11mm	3/4 x 15 1/4	3	3/4	6	12,000 lbs.
20mm-VI	11620	.7874-.7883	20mm x 12mm	1 x 19 1/4	3	3/4	6	11,000 lbs.
22mm-VI	11622	.8661-.8669	22mm x 14mm	1 x 19 1/4	4	3/4	6	11,200 lbs.
24mm-VI	11624	.9449-.9458	24mm x 14mm	1 x 19 1/4	4	3/4	6	13,075 lbs.
25mm-VI	11625	.9842-.9851	25mm x 14mm	1 x 19 1/4	4	3/4	6	13,275 lbs.
28mm	11628	1.1030-1.1040	28mm x 14mm	1 1/8 x 23	5	3/4	6	14,700 lbs.
30mm	11630	1.1817-1.1827	30mm x 14mm	1 1/4 x 23	5	3/4	6	15,700 lbs.
32mm	11632	1.2605-1.2615	32mm x 14mm	1 1/4 x 23	5	3/4	6	16,790 lbs.
36mm	11636	1.4180-1.4190	36mm x 14mm	1 7/16 x 23	5	3/4	6	18,590 lbs.

*Standard metric tolerances are to ISO J9 and JS9. Preferred metric limits and fits--ANSI B4.2-1978.

Optional Metric Keyway Broaches to ISO P9 Tolerance

Broach	EDP No.	P9 Tolerance*	For Standard Millimeter Keys	Dimensions of Broach In Inches	No. of Shims	Min. Length of Cut	Max. Length of Cut	Pressure Required for Max. L/C
2mm-I	11102P9	.0778-.0783	2mm x 2mm	1/8 x 5 1/4	0	13/64	1 1/8	510 lbs.
3mm-I	11103P9	.1172-.1177	3mm x 3mm	1/8 x 5 1/4	1	13/64	1 1/8	720 lbs.
4mm-II	11204P9	.1563-.1568	4mm x 4mm	1/4 x 7	1	19/64	1 11/16	1,140 lbs.
5mm-II	11205P9	.1957-.1962	5mm x 5mm	1/4 x 7	1	19/64	1 11/16	2,040 lbs.
5mm-III	11305P9	.1957-.1962	5mm x 5mm	3/8 x 11 7/8	1	13/32	2 1/2	1,680 lbs.
6mm-III	11306P9	.2350-.2355	6mm x 6mm	3/8 x 11 7/8	1	13/32	2 1/2	1,890 lbs.
8mm-III	11308P9	.3137-.3142	8mm x 7mm	3/8 x 11 7/8	1	13/32	2 1/2	3,995 lbs.
10mm-IV	11410P9	.3924-.3929	10mm x 8mm	9/16 x 13 7/8	2	3/4	6	8,100 lbs.
12mm-IV	11412P9	.4710-.4715	12mm x 8mm	9/16 x 13 7/8	2	3/4	6	10,550 lbs.
14mm-IV	11414P9	.5498-.5503	14mm x 9mm	9/16 x 13 7/8	2	3/4	6	11,090 lbs.
16mm-V	11516P9	.6280-.6285	16mm x 10mm	3/4 x 15 1/4	3	3/4	6	11,375 lbs.
18mm-V	11518P9	.7070-.7075	18mm x 11mm	3/4 x 15 1/4	3	3/4	6	12,000 lbs.
20mm-VI	11620P9	.7855-.7860	20mm x 12mm	1 x 19 1/4	3	3/4	6	11,000 lbs.
22mm-VI	11622P9	.8643-.8648	22mm x 14mm	1 x 19 1/4	4	3/4	6	11,200 lbs.
24mm-VI	11624P9	.9430-.9435	24mm x 14mm	1 x 19 1/4	4	3/4	6	13,075 lbs.
25mm-VI	11625P9	.9824-.9829	25mm x 14mm	1 x 19 1/4	4	3/4	6	13,275 lbs.

*Metric tolerances to ISO P9. Preferred metric limits and fits--ANSI B4.2-1978.

NOTES: Pressures listed above are for maximum length of cut. If these lengths must be exceeded, a special Hassay Savage metric

keyway broach should be ordered for minimum length of cut. Pieces may be broached by stacking and clamping.

Special metric widths and depths are available on short delivery.

