

Metric Key & Keyway Dimensions Per ISO/R773 – Js9 Width Tolerance ★

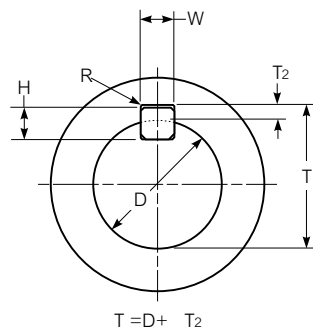
Key & Keyway Dimensions – Millimeters											Coupling Hub Keyway Dimensions – Inches						
Shaft Diameter "D"		Key Size Nominal		Keyway Width Hub "W"			Keyway Depth Hub "T2"		Keyway Radius "R" †		Shaft Diameter "D"		Keyway Width Hub "W"	Keyway Depth Hub "T2"		Keyway Radius "R" †	
Over	Thru	Width "W"	Height "H"	Nominal	Min	Max	Min	Max	Min	Max	Over	Thru		Min	Max	Min	Max
6	8	2	2	2	-.0125	+.0125	1.0	1.1	0.08	0.16	0.2362	0.3150	0.0783 /0.0792	0.0394	0.0433	0.004	0.006
8	10	3	3	3	-.0125	+.0125	1.4	1.5	0.08	0.16	0.3150	0.3937	0.1176 /0.1186	0.0551	0.0591	0.004	0.006
10	12	4	4	4	-.0150	+.0150	1.8	1.9	0.08	0.16	0.3937	0.4724	0.1569 /0.1581	0.0709	0.0748	0.004	0.006
12	17	5	5	5	-.0150	+.0150	2.3	2.4	0.16	0.25	0.4724	0.6693	0.1963 /0.1974	0.0906	0.0945	0.007	0.009
17	22	6	6	6	-.0150	+.0150	2.8	2.9	0.16	0.25	0.6693	0.8661	0.2357 /0.2368	0.1102	0.1142	0.007	0.009
22	30	8	7	8	-.0180	+.0180	3.3	3.5	0.16	0.25	0.8661	1.1811	0.3143 /0.3157	0.1299	0.1378	0.007	0.009
30	38	10	8	10	-.0180	+.0180	3.3	3.5	0.25	0.40	1.1811	1.4961	0.3930 /0.3944	0.1299	0.1378	0.010	0.015
38	44	12	8	12	-.0215	+.0215	3.3	3.5	0.25	0.40	1.4961	1.7323	0.4716 /0.4733	0.1299	0.1378	0.010	0.015
44	50	14	9	14	-.0215	+.0215	3.8	4.0	0.25	0.40	1.7323	1.9685	0.5503 /0.5520	0.1496	0.1575	0.010	0.015
50	58	16	10	16	-.0215	+.0215	4.3	4.5	0.25	0.40	1.9685	2.2835	0.6291 /0.6308	0.1693	0.1772	0.010	0.015
58	65	18	11	18	-.0215	+.0215	4.4	4.6	0.25	0.40	2.2835	2.5591	0.7078 /0.7095	0.1732	0.1811	0.010	0.015
65	75	20	12	20	-.0260	+.0260	4.9	5.1	0.40	0.60	2.5591	2.9528	0.7864 /0.7884	0.1929	0.2008	0.016	0.023
75	85	22	14	22	-.0260	+.0260	5.4	5.6	0.40	0.60	2.9528	3.3465	0.8651 /0.8672	0.2126	0.2205	0.016	0.023
85	95	25	14	25	-.0260	+.0260	5.4	5.6	0.40	0.60	3.3465	3.7402	0.9832 /0.9853	0.2126	0.2205	0.016	0.023
95	110	28	16	28	-.0260	+.0260	6.4	6.6	0.40	0.60	3.7402	4.3307	1.1013 /1.1034	0.2520	0.2598	0.016	0.023
110	130	32	18	32	-.0310	+.0310	7.4	7.6	0.40	0.60	4.3307	5.1181	1.2586 /1.2611	0.2913	0.2992	0.016	0.023
130	150	36	20	36	-.0310	+.0310	8.4	8.7	0.70	1.00	5.1181	5.9055	1.4161 /1.4185	0.3307	0.3425	0.028	0.039
150	170	40	22	40	-.0310	+.0310	9.4	9.7	0.70	1.00	5.9055	6.6929	1.5736 /1.5760	0.3701	0.3819	0.028	0.039
170	200	45	25	45	-.0310	+.0310	10.4	10.7	0.70	1.00	6.6929	7.8740	1.7704 /1.7729	0.4094	0.4213	0.028	0.039
200	230	50	28	50	-.0310	+.0310	11.4	11.7	0.70	1.00	7.8740	9.0551	1.9673 /1.9697	0.4488	0.4606	0.028	0.039
230	260	56	32	56	-.0370	+.0370	12.4	12.7	1.20	1.60	9.0551	10.2362	2.2033 /2.2062	0.4882	0.5000	0.047	0.063
260	290	63	32	63	-.0370	+.0370	12.4	12.7	1.20	1.60	10.2362	11.4173	2.4789 /2.4818	0.4882	0.5000	0.047	0.063
290	330	70	36	70	-.0370	+.0370	14.4	14.7	1.20	1.60	11.4173	12.9921	2.7544 /2.7574	0.5669	0.5787	0.047	0.063
330	380	80	40	80	-.0370	+.0370	15.4	15.7	2.00	2.50	12.9921	14.9606	3.1481 /3.1511	0.6063	0.6181	0.079	0.098
380	440	90	45	90	-.0435	+.0435	17.4	17.7	2.00	2.50	14.9606	17.3228	3.5416 /3.5450	0.6850	0.6969	0.079	0.098
440	500	100	50	100	-.0435	+.0435	19.5	19.8	2.00	2.50	17.3228	19.6850	3.9353 /3.9387	0.7677	0.7795	0.079	0.098

★ Keyways will be furnished per ISO/R773 and Js9 width tolerance unless otherwise specified. (Dimensions comply with DIN 6885/1)

† Requires use of chamfered keys.

Surface Finish — Sides and bottom of keyways shall not exceed 250 micro inches.

See Page 2 for Optional P9 & D10 Keyway Dimensions



Metric Key & Keyway Dimensions Per ISO/R773 – P9 Width Tolerance ★ (See Pg. 1 for Js9 Dimensions)

Key & Keyway Dimensions – Millimeters											Coupling Hub Keyway Dimensions – Inches						
Shaft Diameter "D"		Key Size Nominal		Keyway Width Hub "W"			Keyway Depth Hub "T2"		Keyway Radius "R" †		Shaft Diameter "D"		Keyway Width Hub "W"	Keyway Depth Hub "T2"		Keyway Radius "R" †	
Over	Thru	Width "W"	Height "H"	Nominal	Min	Max	Min	Max	Min	Max	Over	Thru		Min	Max	Min	Max
6	8	2	2	2	-.031	-.006	1.0	1.1	0.08	0.16	0.2362	0.3150	0.0775/0.0785	0.0394	0.0433	0.004	0.006
8	10	3	3	3	-.031	-.006	1.4	1.5	0.08	0.16	0.3150	0.3937	0.1169/0.1178	0.0551	0.0591	0.004	0.006
10	12	4	4	4	-.042	-.012	1.8	1.9	0.08	0.16	0.3937	0.4724	0.1558/0.1570	0.0709	0.0748	0.004	0.006
12	17	5	5	5	-.042	-.012	2.3	2.4	0.16	0.25	0.4724	0.6693	0.1952/0.1964	0.0906	0.0945	0.007	0.009
17	22	6	6	6	-.042	-.012	2.8	2.9	0.16	0.25	0.6693	0.8661	0.2346/0.2357	0.1102	0.1142	0.007	0.009
22	30	8	7	8	-.051	-.015	3.3	3.5	0.16	0.25	0.8661	1.1811	0.3130/0.3144	0.1299	0.1378	0.007	0.009
30	38	10	8	10	-.051	-.015	3.3	3.5	0.25	0.40	1.1811	1.4961	0.3917/0.3931	0.1299	0.1378	0.010	0.015
38	44	12	8	12	-.061	-.018	3.3	3.5	0.25	0.40	1.4961	1.7323	0.4700/0.4717	0.1299	0.1378	0.010	0.015
44	50	14	9	14	-.061	-.018	3.8	4.0	0.25	0.40	1.7323	1.9685	0.5488/0.5505	0.1496	0.1575	0.010	0.015
50	58	16	10	16	-.061	-.018	4.3	4.5	0.25	0.40	1.9685	2.2835	0.6275/0.6292	0.1693	0.1772	0.010	0.015
58	65	18	11	18	-.061	-.018	4.4	4.6	0.25	0.40	2.2835	2.5591	0.7063/0.7079	0.1732	0.1811	0.010	0.015
65	75	20	12	20	-.074	-.022	4.9	5.1	0.40	0.60	2.5591	2.9528	0.7845/0.7865	0.1929	0.2008	0.016	0.023
75	85	22	14	22	-.074	-.022	5.4	5.6	0.40	0.60	2.9528	3.3465	0.8632/0.8653	0.2126	0.2205	0.016	0.023
85	95	25	14	25	-.074	-.022	5.4	5.6	0.40	0.60	3.3465	3.7402	0.9813/0.9834	0.2126	0.2205	0.016	0.023
95	110	28	16	28	-.074	-.022	6.4	6.6	0.40	0.60	3.7402	4.3307	1.0994/1.1015	0.2520	0.2598	0.016	0.023
110	130	32	18	32	-.088	-.026	7.4	7.6	0.40	0.60	4.3307	5.1181	1.2564/1.2588	0.2913	0.2992	0.016	0.023
130	150	36	20	36	-.088	-.026	8.4	8.7	0.70	1.00	5.1181	5.9055	1.4139/1.4163	0.3307	0.3425	0.028	0.039
150	170	40	22	40	-.088	-.026	9.4	9.7	0.70	1.00	5.9055	6.6929	1.5713/1.5738	0.3701	0.3819	0.028	0.039
170	200	45	25	45	-.088	-.026	10.4	10.7	0.70	1.00	6.6929	7.8740	1.7682/1.7706	0.4094	0.4213	0.028	0.039
200	230	50	28	50	-.088	-.026	11.4	11.7	0.70	1.00	7.8740	9.0551	1.9650/1.9675	0.4488	0.4606	0.028	0.039
230	260	56	32	56	-.106	-.032	12.4	12.7	1.20	1.60	9.0551	10.2362	2.2006/2.2035	0.4882	0.5000	0.047	0.063
260	290	63	32	63	-.106	-.032	12.4	12.7	1.20	1.60	10.2362	11.4173	2.4761/2.4791	0.4882	0.5000	0.047	0.063
290	330	70	36	70	-.106	-.032	14.4	14.7	1.20	1.60	11.4173	12.9921	2.7517/2.7546	0.5669	0.5787	0.047	0.063
330	380	80	40	80	-.106	-.032	15.4	15.7	2.00	2.50	12.9921	14.9606	3.1454/3.1483	0.6063	0.6181	0.079	0.098
380	440	90	45	90	-.124	-.037	17.4	17.7	2.00	2.50	14.9606	17.3228	3.5384/3.5419	0.6850	0.6969	0.079	0.098
440	500	100	50	100	-.124	-.037	19.5	19.8	2.00	2.50	17.3228	19.6850	3.9321/3.9356	0.7677	0.7795	0.079	0.098

★ Keyways will be furnished with P9 width tolerance only upon request. (Dimensions comply with DIN 6885/1)

† Requires use of chamfered keys.

Metric Key & Keyway Dimensions Per ISO/R773 – D10 Width Tolerance ‡

Key & Keyway Dimensions – Millimeters											Coupling Hub Keyway Dimensions – Inches						
Shaft Diameter "D"		Key Size Nominal		Keyway Width Hub "W"			Keyway Depth Hub "T2"		Keyway Radius "R" ●		Shaft Diameter "D"		Keyway Width Hub "W"	Keyway Depth Hub "T2"		Keyway Radius "R" ●	
Over	Thru	Width "W"	Height "H"	Nominal	Min	Max	Min	Max	Min	Max	Over	Thru		Min	Max	Min	Max
6	8	2	2	2	+.020	+.060	1.0	1.1	0.08	0.16	0.2362	0.3150	0.0795/0.0811	0.0394	0.0433	0.004	0.006
8	10	3	3	3	+.020	+.060	1.4	1.5	0.08	0.16	0.3150	0.3937	0.1189/0.1205	0.0551	0.0591	0.004	0.006
10	12	4	4	4	+.030	+.078	1.8	1.9	0.08	0.16	0.3937	0.4724	0.1587/0.1605	0.0709	0.0748	0.004	0.006
12	17	5	5	5	+.030	+.078	2.3	2.4	0.16	0.25	0.4724	0.6693	0.1980/0.1999	0.0906	0.0945	0.007	0.009
17	22	6	6	6	+.030	+.078	2.8	2.9	0.16	0.25	0.6693	0.8661	0.2374/0.2393	0.1102	0.1142	0.007	0.009
22	30	8	7	8	+.040	+.098	3.3	3.5	0.16	0.25	0.8661	1.1811	0.3165/0.3188	0.1299	0.1378	0.007	0.009
30	38	10	8	10	+.040	+.098	3.3	3.5	0.25	0.40	1.1811	1.4961	0.3953/0.3976	0.1299	0.1378	0.010	0.015
38	44	12	8	12	+.050	+.120	3.3	3.5	0.25	0.40	1.4961	1.7323	0.4744/0.4772	0.1299	0.1378	0.010	0.015
44	50	14	9	14	+.050	+.120	3.8	4.0	0.25	0.40	1.7323	1.9685	0.5531/0.5559	0.1496	0.1575	0.010	0.015
50	58	16	10	16	+.050	+.120	4.3	4.5	0.25	0.40	1.9685	2.2835	0.6319/0.6346	0.1693	0.1772	0.010	0.015
58	65	18	11	18	+.050	+.120	4.4	4.6	0.25	0.40	2.2835	2.5591	0.7106/0.7134	0.1732	0.1811	0.010	0.015
65	75	20	12	20	+.065	+.149	4.9	5.1	0.40	0.60	2.5591	2.9528	0.7900/0.7933	0.1929	0.2008	0.016	0.023
75	85	22	14	22	+.065	+.149	5.4	5.6	0.40	0.60	2.9528	3.3465	0.8687/0.8720	0.2126	0.2205	0.016	0.023
85	95	25	14	25	+.065	+.149	5.4	5.6	0.40	0.60	3.3465	3.7402	0.9868/0.9901	0.2126	0.2205	0.016	0.023
95	110	28	16	28	+.065	+.149	6.4	6.6	0.40	0.60	3.7402	4.3307	1.1049/1.1082	0.2520	0.2598	0.016	0.023
110	130	32	18	32	+.080	+.180	7.4	7.6	0.40	0.60	4.3307	5.1181	1.2630/1.2669	0.2913	0.2992	0.016	0.023
130	150	36	20	36	+.080	+.180	8.4	8.7	0.70	1.00	5.1181	5.9055	1.4205/1.4244	0.3307	0.3425	0.028	0.039
150	170	40	22	40	+.080	+.180	9.4	9.7	0.70	1.00	5.9055	6.6929	1.5780/1.5819	0.3701	0.3819	0.028	0.039
170	200	45	25	45	+.080	+.180	10.4	10.7	0.70	1.00	6.6929	7.8740	1.7748/1.7787	0.4094	0.4213	0.028	0.039
200	230	50	28	50	+.080	+.180	11.4	11.7	0.70	1.00	7.8740	9.0551	1.9717/1.9756	0.4488	0.4606	0.028	0.039
230	260	56	32	56	+.100	+.220	12.4	12.7	1.20	1.60	9.0551	10.2362	2.2087/2.2134	0.4882	0.5000	0.047	0.063
260	290	63	32	63	+.100	+.220	12.4	12.7	1.20	1.60	10.2362	11.4173	2.4843/2.4890	0.4882	0.5000	0.047	0.063
290	330	70	36	70	+.100	+.220	14.4	14.7	1.20	1.60	11.4173	12.9921	2.7598/2.7646	0.5669	0.5787	0.047	0.063
330	380	80	40	80	+.100	+.220	15.4	15.7	2.00	2.50	12.9921	14.9606	3.1535/3.1583	0.6063	0.6181	0.079	0.098
380	440	90	45	90	+.120	+.260	17.4	17.7	2.00	2.50	14.9606	17.3228	3.5480/3.5535	0.6850	0.6969	0.079	0.098
440	500	100	50	100	+.120	+.260	19.5	19.8	2.00	2.50	17.3228	19.6850	3.9417/3.9472	0.7677	0.7795	0.079	0.098

‡ Keyways will be furnished with D10 width tolerance only upon request. (Dimensions with DIN 6885/1)

● Requires use of chamfered keys.