

Normal size			8	10	12	14	16	18	20	22	25	28	32
b													
h			7	8	8	9	10	11	12	14	14	16	18
Shaft diameter,min			22	30	38	44	50	58	65	75	85	95	110
Shaft diameter,max			30	38	44	50	58	65	75	85	95	110	130
b	Shaft Groove	Nominal Size	8	10	12	14	16	18	20	22	25	28	32
	(P9)	min	7.949	9.949	11.939	13.939	15.939	17.939	19.926	21.926	24.926	27.926	31.912
		max	7.985	9.985	11.982	13.982	15.982	17.982	19.978	21.978	24.978	27.978	31.974
	(N9)	min	7.964	9.964	11.957	13.957	15.957	17.957	19.948	21.948	24.948	27.948	31.938
		max	8	10	12	14	16	18	20	22	25	28	32
	Hub Groove	Nominal Size	8	10	12	14	16	18	20	22	25	28	32
	(P9)	min	7.949	9.949	11.939	13.939	15.939	17.939	19.926	21.926	24.926	27.926	31.912
		max	7.985	9.985	11.982	13.982	15.982	17.982	19.978	21.978	24.978	27.978	31.974
	(JS9)	min	7.982	9.982	11.9785	13.9785	15.9785	17.9785	19.974	21.974	24.974	27.974	31.969
		max	8.018	10.018	12.0215	14.0215	16.0215	18.0215	20.026	22.026	25.026	28.026	32.031
a			3	3	3	3.5	4	4.5	5	5.5	5.5	6.5	7
d₃			3.4	3.4	4.5	5.5	5.5	6.6	6.6	6.6	9	11	11
d₄			6	6	8	10	10	11	11	11	15	18	18
t₃			2.4	2.4	3.2	4.1	4.1	4.8	4.8	4.8	6	7.3	7.3
d₇			M3	M3	M4	M5	M5	M6	M6	M6	M8	M10	M10
t₅			4	5	6	6	6	7	6	8	9	9	11
t₆			7	8	10	10	10	12	11	13	15	15	17

Normal size			36	40	45	50	56	63	70	80	90	100
b												
h			20	22	25	28	32	32	36	40	45	50
Shaft diameter,min			130	150	170	200	230	260	290	330	380	440
Shaft diameter,max			150	170	200	230	260	290	330	380	440	500
b	Shaft Groove	Nominal Size	36	40	45	50	56	63	70	80	90	100
	(P9)	min	35.912	39.912	44.912	49.912	55.894	62.894	69.894	79.894	89.876	99.876
		max	35.974	39.974	44.974	49.974	55.968	62.968	69.968	79.968	89.963	99.963
	(N9)	min	35.938	39.938	44.938	49.938	55.926	62.926	69.926	79.926	89.913	99.913
		max	36	40	45	50	56	63	70	80	90	100
	Hub Groove	Nominal Size	36	40	45	50	56	63	70	80	90	100
	(P9)	min	35.912	39.912	44.912	49.912	55.894	62.894	69.894	79.894	89.876	99.876
		max	35.974	39.974	44.974	49.974	55.968	62.968	69.968	79.968	89.963	99.963
	(JS9)	min	35.969	39.969	44.969	49.969	55.963	62.963	69.963	79.963	89.9565	99.9565
		max	36.031	40.031	45.031	50.031	56.037	63.037	70.037	80.037	90.0435	100.0435
a			8	9	10	11	13	13	14	16	18	20
d₃			14	14	14	14	14	14	18	18	22	22
d₄			20	20	20	20	20	20	26	26	33	33
t₃			8.3	8.3	8.3	8.3	8.3	8.3	11.5	11.5	13.5	13.5
d₇			M12	M12	M12	M12	M12	M12	M16	M16	M20	M20
t₅			15	13	15	12	13	13	17	18	20	20
t₆			22	20	22	19	20	20	24	25	28	28