

Nominal Diameter		2	2.5	3	(3.5)	4	(4.5)	5	(5.5)	6	(7)	8	10	12
<b>d</b>	min=nominal size (H8)	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	10	12
	max	2.014	2.514	3.014	3.518	4.018	4.518	5.018	5.518	6.018	7.022	8.022	10.022	12.027
<b>b</b>	Nominal Size (js14)	3.5	4	5	5	5	6	6	6	8	8	8	10	12
	max	3.65	4.15	5.15	5.15	5.15	6.15	6.15	6.15	8.18	8.18	8.18	10.18	12.215
	min	3.35	3.85	4.85	4.85	4.85	5.85	5.85	5.85	7.82	7.82	7.82	9.82	11.785
<b>d<sub>c</sub></b>	max=nominal size (h13)	6	7	7	8	8	10	10	12	12	12	16	20	22
	min	5.82	6.78	6.78	7.78	7.78	9.78	9.78	11.73	11.73	11.73	15.73	19.67	21.67
<b>d<sub>0</sub></b>		M2	M2	M2	M2.5	M2.5	M3	M3	M4	M4	M4	M4	M5	M6
<b>d<sub>1</sub></b>	min=nominal size (H11)	0.6	0.8	0.8	1	1	1.5	1.5	1.5	1.5	1.5	2	3	4
	max	0.66	0.86	0.86	1.06	1.06	1.56	1.56	1.56	1.56	1.56	2.06	3.06	4.075
<b>Screw Size</b> ①	set screw	M2×3	M2×3	M2×3	M2.5×3	M2.5×3	M3×4	M3×4	M4×5	M4×5	M4×5	M4×6	M5×8	M6×8
grooved pin ②		/	/	/	/	/	1.5×10	1.5×10	1.5×12	1.5×12	1.5×12	2×16	3×20	4×22
taper pin ②		0.6×6	0.8×6	0.8×6	1×8	1×8	1.5×10	1.5×10	1.5×12	1.5×12	1.5×12	2×16	3×20	4×22
per 1000 units ≈ kg	Form A	0.69	1.05	1.23	1.62	1.52	2.96	2.8	4.32	5.48	4.88	9.4	18.5	25.2
	Form B / Form C	0.65	0.96	1.15	1.55	1.45	2.89	2.73	4.14	5.26	4.64	9.2	18	24.4

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②, Grooved pins:

According to DIN EN ISO 8744. Instead of tapered grooved pins according to DIN EN ISO 8744, dowel pins according to DIN EN ISO 8752 or spiral dowel pins according to DIN EN ISO 8750 may also be used.

taper pins:

If taper pins according to DIN EN 22339 are used, the hole must be reamed with a 1:50 taper when mounting.

③, Material:

a) Steel, Material group: Free cutting steel; Hardness: 100 HV to 175 HV Standard DIN EN 10087

b) Stainless steel, Material group: A1; Hardness: 140 HV to 240 HV Standard DIN EN 10088-3

c) Non-ferrous metal, Material group: CU3 Standard DIN EN 28839

Nominal Diameter		14	(15)	16	18	20	22	(24)	25	(26)	(28)	30	32	(35)
<b>d</b>	min=nominal size (H8)	14	15	16	18	20	22	24	25	26	28	30	32	35
	max	14.027	15.027	16.027	18.027	20.033	22.033	24.033	25.033	26.033	28.033	30.033	32.039	35.039
<b>b</b>	Nominal Size (js14)	12	12	12	14	14	14	16	16	16	16	16	16	16
	max	12.215	12.215	12.215	14.215	14.215	14.215	16.215	16.215	16.215	16.215	16.215	16.215	16.215
	min	11.785	11.785	11.785	13.785	13.785	13.785	15.785	15.785	15.785	15.785	15.785	15.785	15.785
<b>d<sub>c</sub></b>	max=nominal size (h13)	25	25	28	32	32	36	40	40	40	45	45	50	56
	min	24.67	24.67	27.67	31.61	31.61	35.61	39.61	39.61	39.61	44.61	44.61	49.61	55.54
<b>d<sub>0</sub></b>		M6	M6	M6	M6	M6	M6	M8						
<b>d<sub>1</sub></b>	min=nominal size (H11)	4	4	4	5	5	5	6	6	6	6	6	8	8
	max	4.075	4.075	4.075	5.075	5.075	5.075	6.075	6.075	6.075	6.075	6.075	8.09	8.09
<b>Screw Size</b> ①	set screw	M6×8	M6×8	M6×8	M6×8	M6×8	M6×10	M8×12	M8×10	M8×10	M8×12	M8×10	M8×12	M8×12
grooved pin ②		4×24	4×24	4×28	5×32	5×32	5×36	6×40	6×40	6×40	6×45	6×45	8×50	8×55
taper pin ②		4×24	4×24	4×28	5×32	5×32	5×36	6×40	6×40	6×40	6×45	6×45	8×50	8×55
per 1000 units ≈ kg	Form A	31.7	29.8	38.4	60	53	69	100	95.6	90.5	122	111	145	187
	Form B / Form C	30.9	28.8	37.6	58.4	52	67.9	98	93.2	88.3	119	108	140	182

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Nominal Diameter		36	40	45	50	(55)	56	(60)	63	(65)	70	(75)	80	(85)
<b>d</b>	min=nominal size (H8)	36	40	45	50	55	56	60	63	65	70	75	80	85
	max	36.039	40.039	45.039	50.039	55.046	56.046	60.046	63.046	65.046	70.046	75.046	80.046	85.054
<b>b</b>	Nominal Size (js14)	16	18	18	18	18	18	20	20	20	20	22	22	22
	max	16.215	18.215	18.215	18.215	18.215	18.215	20.26	20.26	20.26	20.26	22.26	22.26	22.26
	min	15.785	17.785	17.785	17.785	17.785	17.785	19.74	19.74	19.74	19.74	21.74	21.74	21.74
<b>d<sub>c</sub></b>	max=nominal size (h13)	56	63	70	80	80	80	90	90	100	100	110	110	125
	min	55.54	62.54	69.54	79.54	79.54	79.54	89.46	89.46	99.46	99.46	109.46	109.46	124.37
<b>d<sub>0</sub></b>		M8	M10	M12	M12	M12								
<b>d<sub>1</sub></b>	min=nominal size (H11)	8	8	8	10	10	10	10	10	10	10	10	10	12
	max	8.09	8.09	8.09	10.09	10.09	10.09	10.09	10.09	10.09	10.09	10.09	10.09	12.11
<b>Screw Size</b> ①	set screw	M8×12	M10×16	M10×20	M10×20	M12×20	M12×20	M12×25						
grooved pin ②		8×55	8×60	8×70	10×80	10×80	10×80	10×90	10×90	10×100	10×100	10×110	10×110	12×120
taper pin ②		8×55	8×60	8×70	10×80	10×80	10×80	10×90	10×90	10×100	10×100	10×110	10×110	12×120
per 1000 units ≈ kg	Form A	180	261	317	429	373	361	552	508	708	626	871	768	1130
	Form B / Form C	176	256	310	421	364	352	543	498	698	616	860	755	1110

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c) Non-ferrous metal, Material group: CU3 Standard DIN EN 28839

Nominal Diameter		90	100	110	(120)	125	140	(150)	160	180	200
<b>d</b>	min=nominal size (H8)	90	100	110	120	125	140	150	160	180	200
	max	90.054	100.054	110.054	120.054	125.063	140.063	150.063	160.063	180.063	200.072
<b>b</b>	Nominal Size (js14)	22	25	25	25	28	28	28	32	32	32
	max	22.26	25.26	25.26	25.26	28.26	28.26	28.26	32.31	32.31	32.31
	min	21.74	24.74	24.74	24.74	27.74	27.74	27.74	31.69	31.69	31.69
<b>d<sub>c</sub></b>	max=nominal size (h13)	125	140	160	160	180	200	200	220	250	280
	min	124.37	139.37	159.37	159.37	179.37	199.28	199.28	219.28	249.28	279.19
<b>d<sub>0</sub></b>		M12	M12	M12	M12	M16	M16	M16	M20	M20	M20
<b>d<sub>1</sub></b>	min=nominal size (H11)	12	12	12	12	16	16	16	-	-	-
	max	12.11	12.11	12.11	12.11	16.11	16.11	16.11	-	-	-
<b>Screw Size</b> ①	set screw	M12×20	M12×25	M12×30	M12×25	M16×35	M16×35	M16×30	M20×35	M20×40	M20×45
grooved pin ②		12×120	/	/	/	/	/	/	/	/	/
taper pin ②		12×120	12×140	12×160	12×160	16×180	16×200	16×200	/	/	/
per 1000 units ≈ kg	Form A	1010	1470	2060	1710	2850	3470	2980	4460	5900	7560
	Form B / Form C	990	1450	2040	1690	2820	3430	2940	-	-	-

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