

# 上海黑山五金有限公司

## 公制规格螺母尺寸对照表

DIN934 / GB6170 / GB52

NOMINAL S I Z E 尺寸	STANDARD 标准别	WIDTH ACROSS FLAT 对边		HEIGHT 厚度	
		min	max	min	max
		M6	DIN934	9.78	10.00
	GB52	9.80	10.00	4.76	5.24
	GB6170	9.78	10.00	4.90	5.20
M8	DIN934	12.73	13.00	6.14	6.50
	GB52	13.76	14.00	5.76	6.24
	GB6170	12.73	13.00	6.44	6.80
M10	DIN934	16.73	17.00	7.64	8.00
	GB52	16.76	17.00	7.71	8.29
	GB6170	15.73	16.00	8.04	8.40
M12	DIN934	18.67	19.00	9.64	10.00
	GB52	18.72	19.00	9.71	10.29
	GB6170	17.73	18.00	10.37	10.80
M14	DIN934	21.67	22.00	10.30	11.00
	GB52	21.72	22.00	10.65	11.35
	GB6170	20.67	21.00	12.10	12.80
M16	DIN934	23.67	24.00	12.30	13.00
	GB52	23.72	24.00	12.65	11.35
	GB6170	23.67	24.00	14.10	14.80
M18	DIN934	26.16	27.00	14.30	15.00
	GB52	26.72	27.00	13.65	14.00
	GB6170	26.16	27.00	15.10	15.80
M20	DIN934	29.16	30.00	14.90	16.00
	GB52	29.66	30.00	15.65	16.35
	GB6170	29.16	30.00	16.90	18.00
M22	DIN934	31.00	32.00	16.90	18.00
	GB52	31.60	32.00	17.65	18.35
	GB6170	33.00	34.00	18.10	19.40
M24	DIN934	35.00	36.00	17.70	19.00
	GB52	35.66	36.00	18.50	19.50
	GB6170	35.00	36.00	20.20	21.50

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## 公制规格螺栓尺寸对照表

DIN933/DIN931/GB5782/GB5783GB30 JISB1180

SIZE 尺寸	STANDARD 标准别	WIDTH ACROSS FLAT 对边		HEIGHT 厚度		BODY DIAMETER 螺杆直径		牙长 min
		min	max	min	max	min	max	
M6	DIN931/DIN933	9.78	10.00	3.85	4.15	5.82	6.00	18/24
	GB30	9.80	10.00	3.76	4.24			18
	GB5782/GB5783	9.78	10.00	3.85	4.15	5.82	6.00	18
	JIS 1180	9.80	10.00	3.85	4.15	5.82	6.00	18-22
M8	DIN931/DIN933	12.73	13.00	5.15	5.45	7.78	8.00	22/28
	GB30	13.76	14.00	5.26	5.74			22
	GB5782/GB5783	12.73	13.00	5.15	5.45	7.78	8.00	22/28
	JIS 1180	12.75	13.00	5.35	5.65	7.85	8.00	22-25
M10	DIN931/DIN933	16.73	17.00	6.22	6.56	9.78	10.00	26/32
	GB30	16.76	17.00	6.71	7.29	9.80	10.00	26/32
	GB5782/GB5783 /ISO4014	15.73	16.00	6.22	6.58	9.78	10.00	26/32
	JIS 1180		16.00	6.80	7.20	9.80	10.00	26-32/32-36
M12	DIN931/DIN933	18.67	19.00	7.32	7.68	11.73	12.00	30/36/49
	GB30	18.72	19.00	7.71	8.29			30/36/49
	GB5782/GB5783	17.73	18.00	7.32	7.68	11.73	12.00	30/36
	JIS 1180		18.00	7.78	8.20	11.80	12.00	30-34/36-40
M14	DIN931/DIN933	21.67	22.00	8.62	8.98	13.73	14.00	34/40/53
	GB30	21.72	22.00	8.71	9.29			34/40/53
	GB5782/GB5783	20.67	21.00	8.62	8.98	13.73	14.00	34/40/53
	JIS 1180							
M16	DIN931/DIN933	23.67	24.00	9.82	10.18	15.73	16.00	38/44/57
	GB30	23.72	24.00	9.71	10.29			38/41/57
	GB5782/GB5783	23.67	24.00	9.82	10.18	15.73	16.00	38/41/57
	JIS 1180	23.65	24.00	9.80	10.20	15.80	16.00	38-42/44-48
M18	DIN931/DIN933							
	GB30	26.72	27.00	11.65	12.35			42/48/61
M20	DIN931/DIN933	29.67	30.00	12.28	12.72	19.67	20.00	46/52/65
	GB30	29.72	30.00	12.65	13.35			46/52/69
	GB5782/GB5783	29.67	30.00	12.28	12.72	19.67	20.00	46/52/69
	JIS 1180	29.65	30.00	12.80	13.20	19.80	20.00	46-50/52-56
M22	DIN931/DIN933	31.61	32.00	13.70	14.22	21.67	22.00	
	GB30	31.66	33.00	13.65	14.35			50/56/69
	GB5782/GB5783	33.38	34.00	13.78	14.22	21.67	22.00	50/56/69
	JIS 1180							

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M24	DIN931/DIN933	35.38	36.00	14.78	15.22	23.67	24.00	
	GB30	35.66	36.00	14.65	15.35			54/60/73
	GB5782/GB5783	35.38	36.00	14.78	15.22	23.67	24.00	54/60/73

备注：(1) 长度公差：

DIN931 / DIN933	长度 规格	30	35-50	55-80	85-120	130-180	190-200	
	M6~M24 (公差)	±0.42	±0.5	±0.6	±0.7	±0.8	±0.92	
GB30	长度 规格	4	5-8	10-25	28-50	55-100	110-	
	M6~M24 (公差)	±0.2	±0.4	±0.7	±1.0	±1.3	±1.5	
GB5782 / GB5783	长度 规格	8-10	12-30	35-50	55-80	85-120	130-150	160
	M6~M24 (公差)	±0.30	±0.40	±0.50	±0.60	±0.7	±0.8	±2.0
GB30	长度 规格	Under 50mm	Over 50-120	Over 120-250	Over 250			
	M6~M24 (公差)	±0.5	±0.7	0.9	±1.2			

(2) 在牙长栏内身长范围/ -125 / 130-200 / 210- /

### DIN912 与 GB70-76 及 GB70-85 之比较

规格	标准	圆头径	头厚度	内对边宽度	深度
M6	GB70-76	9.80-10.00	5.76-6.24	5.03-5.16	3.00-3.60
	DIN912	9.78-10.00	5.70-6.00	5.02-5.14	3.00min
	GB70-85	9.78-10.00	5.70-6.00	5.02-5.14	3.00min
M8	GB70-76	12.26-12.50	7.71-8.29	6.03-6.16	4.00-4.75
	DIN912	12.73-13.00	7.64-8.00	6.02-6.14	4.00 min
	GB70-85	12.73-13.00	7.64-8.00	6.02-6.14	4.00 min
M10	GB70-76	14.76-15.00	9.71-10.29	8.04-8.20	5.00-5.75
	DIN912	15.73-16.00	9.64-10.00	8.025-8.175	5.00 min
	GB70-85	15.73-16.00	9.64-10.00	8.025-8.175	5.00 min
M12	GB70-76	17.76-18.00	11.65-12.35	10.04-10.20	6.00-6.75
	DIN912	17.73-18.00	11.57-12.00	10.025-10.175	6.00 min
	GB70-85	17.73-18.00	11.57-12.00	10.025-10.175	6.00 min

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M16	GB70-76	23.72-24.00	15.65-16.35	12.05-12.24	8.00-8.90
	DIN912	23.67-24.00	15.57-16.00	14.032-14.212	8.00 min
	GB70-85	23.67-24.00	15.57-16.00	14.032-14.212	8.00 min
M20	GB70-76	29.72-30.00	19.58-20.42	14.05-14.24	10.00-10.90
	DIN912	29.67-30.00	19.48-20.00	17.05-17.23	10.00 min
	GB70-85	29.67-30.00	19.48-20.00	17.05-17.23	10.00 min
M24	GB70-76	35.66-36.00	23.58-24.42	17.05-17.24	12.00-13.10
	DIN912	35.61-36.00	23.48-24.00	19.065-19.275	12.00min
	GB70-85	35.61-36.00	23.48-24.00	19.065-19.275	12.00min
M30	GB70-76	41.66-42.00	29.58-30.42	19.06-19.28	15.00-16.10
	DIN912	44.61-45.00	29.48-30.00	22.065-22.275	15.50min
	GB70-85	44.61-45.00	29.48-30.00	22.065-22.275	15.50min

结论：DIN912-1983 与 GB70-85 与 ISO4762-1977 一致，GB70-76 与 DIN912-1983 有 M8、M10 dk 圆头直径不同，M16、M20 内对边不同。以上头部为无滚花尺寸。