

High tensile bolts

ISO Metric Precision Hex Bolts & Set Screws,

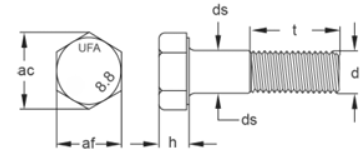
Property Class 8.8 and 10.9

Bolts

Set Screws

✓ AS 1110.1

✓ AS 1110.2



Diameter mm	Pitch mm	af		ac		h		ds		t			Spanner mm
		Min	Max	Min	Min	Max	Min	Max	L ≤ 125	125 < L ≤ 200	L > 200		
M4	0.70	6.78	7.00	7.66	2.68	2.92	3.82	4.00	14	20	33	7	
M5	0.80	7.78	8.00	8.79	3.35	3.65	4.82	5.00	16	22	35	8	
M6	1.00	9.78	10.00	11.05	3.85	4.15	5.82	6.00	18	24	37	10	
M8	1.25	12.73	13.00	14.38	5.15	5.45	7.78	8.00	22	28	41	13	
M10	1.50	15.73	16.00	17.77	6.22	6.58	9.78	10.00	26	32	45	16	
M12	1.75	17.73	18.00	20.03	7.32	7.68	11.73	12.00	30	36	49	18	
M14	2.00	20.67	21.00	23.36	8.62	8.98	13.73	14.00	34	40	53	21	
M16	2.00	23.67	24.00	26.75	9.82	10.18	15.73	16.00	38	44	57	24	
M18	2.50	26.67	27.00	30.14	11.28	11.72	17.73	18.00	42	48	61	27	
M20	2.50	29.67	30.00	33.53	12.28	12.72	19.67	20.00	46	52	65	30	
M22	2.50	33.38	34.00	37.72	13.78	14.22	21.67	22.00	50	56	69	34	
M24	3.00	35.38	36.00	39.98	14.78	15.22	23.67	24.00	54	60	73	36	
M27	3.00	40.00	41.00	45.20	16.35	17.35	26.48	27.00	60	66	79	41	
M30	3.50	45.00	46.00	50.85	18.28	19.12	29.48	30.00	66	72	85	46	
M33	3.50	49.00	50.00	55.37	20.58	21.42	32.38	33.00	—	78	91	50	
M36	4.00	53.80	55.00	60.79	22.08	22.92	35.38	36.00	—	84	97	55	
M42	4.50	63.10	65.00	71.30	25.58	26.42	41.38	42.00	—	96	109	65	
M48	5.00	73.10	75.00	82.60	29.58	30.42	47.38	48.00	—	108	121	75	
M56	5.50	82.80	85.00	93.56	34.50	35.50	55.26	56.00	—	—	137	85	
M64	6.00	92.80	95.00	104.86	39.50	40.50	63.26	64.00	—	—	153	95	

ISO Metric Precision Hex Bolts & Set Screws, Fine Pitch,

Property Class 8.8 and 10.9

Bolts

Set Screws

✓ AS 1110.1

✓ AS 1110.2

Diameter mm	Pitch mm	af		ac		h		ds		t			Spanner mm
		Min	Max	Min	Min	Max	Min	Max	L ≤ 125	125 < L ≤ 200	L > 200		
M8	1.00	12.73	13.00	14.38	5.15	5.45	7.78	8.00	22	28	41	13	
M10	1.00/1.25	15.73	16.00	17.77	6.22	6.58	9.78	10.00	26	32	45	16	
M12	1.25/1.50	17.73	18.00	20.03	7.32	7.68	11.73	12.00	30	36	49	18	
M14	1.50	20.67	21.00	23.36	8.62	8.98	13.73	14.00	34	40	53	21	
M16	1.50	23.67	24.00	26.75	9.82	10.18	15.73	16.00	38	44	57	24	
M18	1.50	26.67	27.00	30.14	11.28	11.72	17.73	18.00	42	48	61	27	
M20	1.50	29.67	30.00	33.53	12.28	12.72	19.67	20.00	46	52	65	30	
M24	2.00	35.38	36.00	39.98	14.78	15.22	23.67	24.00	54	60	73	36	

Unified High Tensile Hexagon Bolts & Set Screws,

UNC and UNF Grade 5 and 8

✓ AS/NZS 2465



Grade 8

Diameter		Pitch		af		ac		h		ds		t
		UNC	UNF	Min	Max	Min	Max	Min	Max	Min	Max	Min
1/4	20	28		0.428	0.438	0.488	0.505	0.150	0.163	0.245	0.250	3/4
5/16	18	24		0.489	0.500	0.557	0.577	0.195	0.211	0.306	0.313	7/8
3/8	16	24		0.551	0.562	0.628	0.650	0.226	0.243	0.369	0.375	1
7/16	14	20		0.612	0.625	0.698	0.722	0.272	0.291	0.430	0.438	1 1/8
1/2	13	20		0.736	0.750	0.840	0.866	0.302	0.323	0.493	0.500	1 1/4
9/16	12	18		0.798	0.812	0.910	0.938	0.348	0.371	0.554	0.563	1 3/8
5/8	11	18		0.922	0.938	1.051	1.083	0.378	0.403	0.617	0.625	1 1/2
3/4	10	16		1.100	1.125	1.245	1.299	0.455	0.483	0.741	0.750	1 3/4
7/8	9	14		1.285	1.312	1.461	1.516	0.531	0.563	0.866	0.875	2
1	8	12		1.469	1.500	1.675	1.732	0.591	0.627	0.990	1.000	2 1/4
1 1/8	7	12		1.631	1.688	1.859	1.949	0.658	0.718	1.114	1.125	2 1/2
1 1/4	7	12		1.812	1.875	2.066	2.165	0.749	0.813	1.239	1.250	2 3/4
1 3/8	6	12		1.994	2.062	2.273	2.382	0.810	0.878	1.363	1.375	3
1 1/2	6	12		2.175	2.250	2.480	2.598	0.902	0.974	1.488	1.500	3 1/4

Dimensions in mm (metric tables) and inches (unified table). Reference only — confirm against the relevant standard for your application.