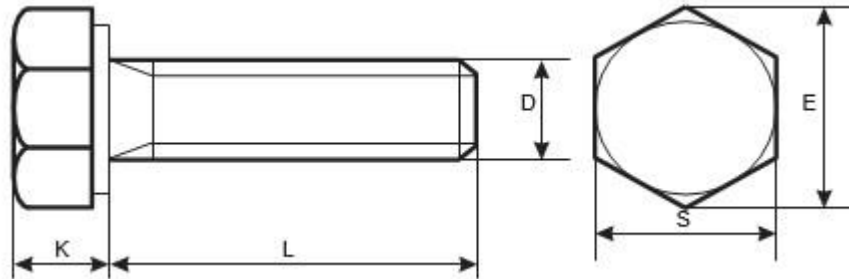




Product Dimensions, Standards and Weights

DIN 933 / ISO 4017 Technical Specifications

Metric DIN 933 Hexagon Head Cap Screws / Bolts Full Thread



Dimensions of Metric DIN 933 Hexagon Head Cap Screws / Bolts Full Thread

Thread D	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
S E K	7	8	10	13	17	19	22	24	27	30	32	36
	7.74	8.87	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.14	35.72	39.98
	2.8	3.5	4	5.5	7	8	9	10	12	13	14	15

Thread D		M27	M30	M33	M36	M39	M42	M45	M48
S		41	46	50	55	60	65	70	75
E		45.63	51.28	55.8	61.31	66.96	72.61	78.26	83.91
K		17	19	21	23	25	26	28	30
B	X	60	66	72	78	84	90	96	102
	Y	66	72	78	84	90	96	102	108
	Z	79	85	91	97	103	109	115	121



Weights of Metric DIN 933 Hexagon Head Cap Screws / Bolts Full Thread

Thread D	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
L (mm)	Weight in Kg(s)/1000pcs											
8	1.49	2.38	3.74	8.55	17.2							
10	1.64	2.63	4.08	9.1	18.2	25.8	38					
12	1.8	2.87	4.42	9.8	19.2	27.4	40	52.9				
16	2.1	3.37	5.31	11.1	21.2	30.2	44	58.3	82.7	107	133	173
20	2.41	3.87	5.8	12.3	23.2	33	48	63.5	87.9	116	143	184
25	2.8	4.49	6.65	13.9	25.7	36.6	53	70.2	96.5	126	155	199
30	3.19	5.11	7.51	15.5	28.2	40.2	57.9	76.9	105	136	168	214
35	3.57	5.73	8.37	17.1	30.7	43.8	62.9	83.5	113	147	181	229
40	3.96	6.35	9.23	18.7	33.2	47.4	67.9	90.2	121	157	193	244
45	3.34	6.99	10.1	20.3	35.7	51	72.9	97.1	129	167	206	259
50	4.73	7.59	11	21.8	38.2	54.5	77.9	103	137	178	219	274
55	5.12	8.21	11.9	23.4	40.7	58.1	82.9	110	146	188	232	289
60	5.5	8.83	12.7	25	43.3	61.7	87.8	117	154	199	244	304
65	5.89	9.45	13.6	26.6	45.8	65.3	92.8	123	162	209	257	319
70	6.28	10.1	14.4	28.2	48.8	68.9	97.8	130	170	219	269	334
75		10.7	15.3	29.8	50.8	72.5	102	137	178	229	282	348
80		11.3	16.2	31.4	53.3	76.1	107	144	187	240	295	363
90			17.9	34.6	58.3	83.3	117	157	203	260	321	393
100				37.7	63.3	90.5	127	170	219	281	346	423
110				40.9	68.4	97.7	137	184	236	302	371	453
120					73.4	105	147	197	252	322	397	483
130					78.4	112	157	210	269	343	421	513
140					83.4	119	167	224	255	364	448	543
150					88.4	126	177	237	301	384	473	572



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Metric DIN 933 Hexagon Head Cap Screws / Bolts are externally threaded fasteners with a hexagonal washer faced head and a chamfered tip to facilitate mating with an internally threaded component. DIN 933 hex screws have a fully threaded shank and are manufactured to very strict tolerances. Unique Fasteners offers one of the most complete ranges of metric screws, bolts and other inch and metric industrial fasteners for immediate delivery from stock. The following sizes of metric DIN 933 Hexagon Head Cap Screws / Bolts are available for immediate shipping from stock: Diameters ranging from M2 to M52 in A2 and marine grade A4 stainless steel as well as aluminum, brass nylon and steel.

DIN (**D**eutsches **I**nstitut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as Metric DIN 933 Hexagon Head Cap Screws / Bolts. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization. IN this case the ISO equivalent for DIN 933 is ISO 4017.