



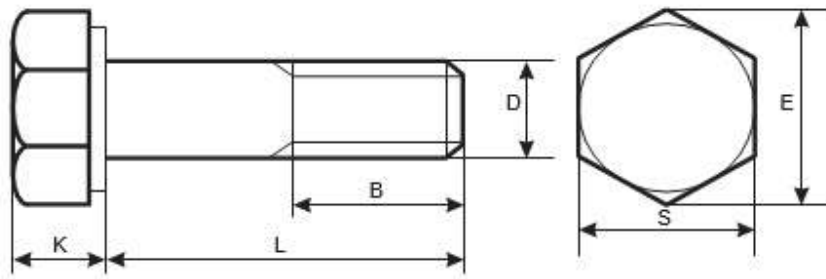
HAGUE FASTENERS LIMITED

HIGH INTEGRITY SPECIAL FASTENERS IN CRITICAL ALLOYS
 Monmer Close, Willenhall, West Midlands, WV13 1JR, United Kingdom
 Registered in England No: 3292586 VAT GB346974609

Product Dimensions, Standards and Weights

DIN 931 / ISO 4014 Technical Specifications

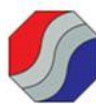
Metric DIN 931 Hexagon Head Cap Screws/Bolts Part Thread



Dimensions of Metric DIN 931 Hexagon Head Cap Screws/Bolts Part Thread

Thread D	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
S	7	8	10	13	17	19	22	24	27	30	32	36
E	7.74	8.87	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.14	35.72	39.98
K	2.8	3.5	4	5.5	7	8	9	10	12	13	14	15
L ≤ 125	14	16	18	22	26	30	34	38	42	46	50	54
B 25 < L ≤ 200	20	22	24	28	32	36	40	44	48	52	56	60
L > 200					45	49	53	57	61	65	69	73

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
L ≤ 125	60	66	72	78	84	90	96	102
B 125 < L ≤ 200	66	72	78	84	90	96	102	108
L > 200	79	85	91	97	103	109	115	121



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Weights of Metric DIN 931 Hexagon Head Cap Screws/Bolts Part Thread

L (mm)	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
	Weight in Kg(s)/1000pcs											
25	3.12											
30		5.64	8.06									
35		6.42	9.13	18.2								
40		7.2	10.2	20.7	35							
45		7.98	11.3	22.2	38	53.6						
50		8.76	12.3	24.2	41.1	58.1	82.2					
55		9.54	13.4	25.8	43.8	62.6	88.3	115				
60		10.3	14.4	29.8	46.9	67	94.3	123	161			
65		11.1	15.5	29.8	50	70.3	100	131	171	219		
70		11.9	16.5	31.8	53.1	74.7	106	139	181	231	281	
75		12.7	17.6	33.7	56.2	79.1	112	147	191	243	296	264
80		13.5	18.6	35.7	62.3	83.6	118	155	201	255	311	382
90			20.8	39.6	68.5	92.4	128	171	220	279	341	428
100				43.6	77.7	100	140	186	240	303	370	464
110				47.5	83.9	109	152	202	260	327	400	500
120					90	118	165	218	280	351	430	535
130					96.2	127	175	230	295	365	450	560
140					102	136	187	246	315	389	480	595
150					108	145	199	262	335	423	510	630

Thread D	M27	M30	M33	M36	M39	M42	M45	M48
L (mm)	Weight in Kg(s)/1000pcs							
80	511							
90	557	712						
100	603	767	951					
110	650	823	1020	1250	1510			
120	695	880	1090	1330	1590	1900	2260	
130	720	920	1150	1400	1650	1980	2350	2780
140	765	975	1220	1480	1740	2090	2480	2920
150	810	1030	1290	1560	1830	2200	2600	3010
160	855	1090	1350	1640	1930	2310	2730	3160
180	945	1200	1480	1900	2120	2520	2980	3440
200	1030	1310	1610	2060	2310	2740	3220	3720
220	1130	1420	1750	2220	2500	2960	3470	4010
240		1530	1880	2380	2700	3180	3720	4290
260		1640	2020	2540	2900	3400	3970	4570
280		1750	2160	2700	2700	3620	4220	1850
300		1860	2300	2860	2860	3840	4470	5130



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Thread D	M12	M14	M16	M18	M20	M22	M24
L (mm)	Weight in Kg(s)/1000pcs						
160	153	211	278	355	447	540	665
170	162	223	294	375	470	570	700
180	171	235	310	395	495	600	735
190	180	247	326	415	520	630	770
200	189	260	342	435	545	660	805
210	198	273	358	455	570	690	
220	207	286	374	475	590	720	870
230			390	495	615	750	905
240			406	515	640	780	940
250			422	535	665	810	975
260			438	555	690	840	1010
280						900	1080
300						960	1150
320						1020	1270
340						1080	1340
350						1110	1375
360						1140	1410



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CARBON NEUTRAL
United Nations Framework
Convention on Climate Change
CDM PROJECT 2535
REFERENCE VC/0547/2021