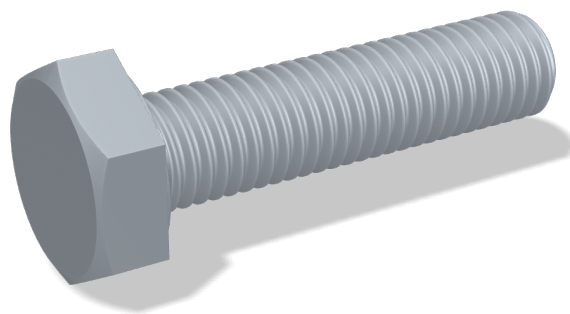


Structural Hex Bolt EN 14399 - Steel 10.9, Hot-dip galvanized

Structural Hex Bolt to EN 14399, in the sizes, grades and finishes listed.



TECHNICAL DATA

General

Standard	EN 14399
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Dimensions

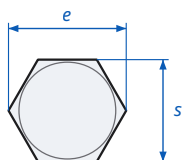
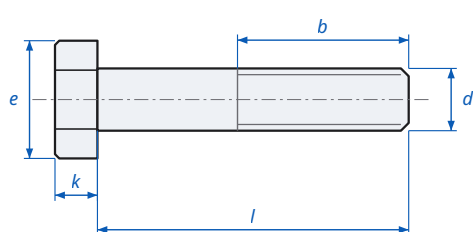
Thread form	Metric ISO thread
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Materials & Finish

Head type	Hexagon
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Drive type	External hexagon
Property class / grade	10.9
Material	Steel
Surface finish	Hot-dip galvanized

DIMENSIONS



d	Thread diameter
l	Length
b	Thread length
k	Head height
s	Width across flats (WAF)
e	Width across corners

Structural Hex Bolt EN 14399 - dimensions

AVAILABLE PART NUMBERS

Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H06060	M6	60 mm	1 mm	–
FBH13G1H08045	M8	45 mm	1.25 mm	–
FBH13G1H12030	M12	30 mm	1.75 mm	49.27 g
FBH13G1H12035	M12	35 mm	1.75 mm	53.71 g
FBH13G1H12040	M12	40 mm	1.75 mm	58.15 g
FBH13G1H12045	M12	45 mm	1.75 mm	62.59 g
FBH13G1H12050	M12	50 mm	1.75 mm	67.03 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H12055	M12	55 mm	1.75 mm	71.47 g
FBH13G1H12060	M12	60 mm	1.75 mm	75.9 g
FBH13G1H12065	M12	65 mm	1.75 mm	80.34 g
FBH13G1H12070	M12	70 mm	1.75 mm	84.78 g
FBH13G1H12075	M12	75 mm	1.75 mm	89.22 g
FBH13G1H12080	M12	80 mm	1.75 mm	93.66 g
FBH13G1H12085	M12	85 mm	1.75 mm	98.1 g
FBH13G1H12090	M12	90 mm	1.75 mm	102.54 g
FBH13G1H12095	M12	95 mm	1.75 mm	106.98 g
FBH13G1H12100	M12	100 mm	1.75 mm	111.42 g
FBH13G1H12105	M12	105 mm	1.75 mm	115.86 g
FBH13G1H12110	M12	110 mm	1.75 mm	120.29 g
FBH13G1H12115	M12	115 mm	1.75 mm	124.73 g
FBH13G1H12120	M12	120 mm	1.75 mm	129.17 g
FBH13G1H12125	M12	125 mm	1.75 mm	133.61 g
FBH13G1H12130	M12	130 mm	1.75 mm	138.05 g
FBH13G1H12135	M12	135 mm	1.75 mm	142.49 g
FBH13G1H12140	M12	140 mm	1.75 mm	146.93 g
FBH13G1H12145	M12	145 mm	1.75 mm	151.37 g
FBH13G1H12150	M12	150 mm	1.75 mm	155.81 g
FBH13G1H12190	M12	190 mm	1.75 mm	191.32 g
FBH13G1H16035	M16	35 mm	2 mm	97.91 g
FBH13G1H16040	M16	40 mm	2 mm	105.8 g
FBH13G1H16045	M16	45 mm	2 mm	113.7 g
FBH13G1H16050	M16	50 mm	2 mm	121.59 g
FBH13G1H16055	M16	55 mm	2 mm	129.48 g
FBH13G1H16060	M16	60 mm	2 mm	137.37 g
FBH13G1H16065	M16	65 mm	2 mm	145.26 g
FBH13G1H16070	M16	70 mm	2 mm	153.15 g
FBH13G1H16075	M16	75 mm	2 mm	161.05 g
FBH13G1H16080	M16	80 mm	2 mm	168.94 g
FBH13G1H16085	M16	85 mm	2 mm	176.83 g
FBH13G1H16090	M16	90 mm	2 mm	184.72 g
FBH13G1H16095	M16	95 mm	2 mm	192.61 g
FBH13G1H16100	M16	100 mm	2 mm	200.5 g
FBH13G1H16105	M16	105 mm	2 mm	208.4 g
FBH13G1H16110	M16	110 mm	2 mm	216.29 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H16115	M16	115 mm	2 mm	224.18 g
FBH13G1H16120	M16	120 mm	2 mm	232.07 g
FBH13G1H16125	M16	125 mm	2 mm	239.96 g
FBH13G1H16130	M16	130 mm	2 mm	247.85 g
FBH13G1H16135	M16	135 mm	2 mm	255.75 g
FBH13G1H16140	M16	140 mm	2 mm	263.64 g
FBH13G1H16145	M16	145 mm	2 mm	271.53 g
FBH13G1H16150	M16	150 mm	2 mm	279.42 g
FBH13G1H16155	M16	155 mm	2 mm	287.31 g
FBH13G1H16160	M16	160 mm	2 mm	295.2 g
FBH13G1H16165	M16	165 mm	2 mm	303.1 g
FBH13G1H16170	M16	170 mm	2 mm	310.99 g
FBH13G1H16180	M16	180 mm	2 mm	326.77 g
FBH13G1H16190	M16	190 mm	2 mm	342.55 g
FBH13G1H16200	M16	200 mm	2 mm	358.34 g
FBH13G1H16210	M16	210 mm	2 mm	374.12 g
FBH13G1H16220	M16	220 mm	2 mm	389.9 g
FBH13G1H20040	M20	40 mm	2.5 mm	176.46 g
FBH13G1H20045	M20	45 mm	2.5 mm	188.79 g
FBH13G1H20050	M20	50 mm	2.5 mm	201.12 g
FBH13G1H20055	M20	55 mm	2.5 mm	213.45 g
FBH13G1H20060	M20	60 mm	2.5 mm	225.78 g
FBH13G1H20065	M20	65 mm	2.5 mm	238.11 g
FBH13G1H20070	M20	70 mm	2.5 mm	250.44 g
FBH13G1H20075	M20	75 mm	2.5 mm	262.77 g
FBH13G1H20080	M20	80 mm	2.5 mm	275.1 g
FBH13G1H20085	M20	85 mm	2.5 mm	287.43 g
FBH13G1H20090	M20	90 mm	2.5 mm	299.77 g
FBH13G1H20095	M20	95 mm	2.5 mm	312.1 g
FBH13G1H20100	M20	100 mm	2.5 mm	324.43 g
FBH13G1H20105	M20	105 mm	2.5 mm	336.76 g
FBH13G1H20110	M20	110 mm	2.5 mm	349.09 g
FBH13G1H20115	M20	115 mm	2.5 mm	361.42 g
FBH13G1H20120	M20	120 mm	2.5 mm	373.75 g
FBH13G1H20125	M20	125 mm	2.5 mm	386.08 g
FBH13G1H20130	M20	130 mm	2.5 mm	398.41 g
FBH13G1H20135	M20	135 mm	2.5 mm	410.74 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H20140	M20	140 mm	2.5 mm	423.07 g
FBH13G1H20145	M20	145 mm	2.5 mm	435.4 g
FBH13G1H20150	M20	150 mm	2.5 mm	447.73 g
FBH13G1H20155	M20	155 mm	2.5 mm	460.06 g
FBH13G1H20160	M20	160 mm	2.5 mm	472.4 g
FBH13G1H20165	M20	165 mm	2.5 mm	484.73 g
FBH13G1H20170	M20	170 mm	2.5 mm	497.06 g
FBH13G1H20175	M20	175 mm	2.5 mm	509.39 g
FBH13G1H20180	M20	180 mm	2.5 mm	521.72 g
FBH13G1H20190	M20	190 mm	2.5 mm	546.38 g
FBH13G1H20200	M20	200 mm	2.5 mm	571.04 g
FBH13G1H20210	M20	210 mm	2.5 mm	595.7 g
FBH13G1H20220	M20	220 mm	2.5 mm	620.36 g
FBH13G1H20230	M20	230 mm	2.5 mm	645.03 g
FBH13G1H20240	M20	240 mm	2.5 mm	669.69 g
FBH13G1H20250	M20	250 mm	2.5 mm	694.35 g
FBH13G1H20260	M20	260 mm	2.5 mm	719.01 g
FBH13G1H22050	M22	50 mm	2.5 mm	258.12 g
FBH13G1H22055	M22	55 mm	2.5 mm	273.04 g
FBH13G1H22060	M22	60 mm	2.5 mm	287.96 g
FBH13G1H22065	M22	65 mm	2.5 mm	302.88 g
FBH13G1H22070	M22	70 mm	2.5 mm	317.8 g
FBH13G1H22075	M22	75 mm	2.5 mm	332.72 g
FBH13G1H22080	M22	80 mm	2.5 mm	347.64 g
FBH13G1H22085	M22	85 mm	2.5 mm	362.56 g
FBH13G1H22090	M22	90 mm	2.5 mm	377.48 g
FBH13G1H22095	M22	95 mm	2.5 mm	392.4 g
FBH13G1H22100	M22	100 mm	2.5 mm	407.32 g
FBH13G1H22105	M22	105 mm	2.5 mm	422.24 g
FBH13G1H22110	M22	110 mm	2.5 mm	437.16 g
FBH13G1H22115	M22	115 mm	2.5 mm	452.08 g
FBH13G1H22120	M22	120 mm	2.5 mm	467 g
FBH13G1H22125	M22	125 mm	2.5 mm	481.92 g
FBH13G1H22130	M22	130 mm	2.5 mm	496.84 g
FBH13G1H22135	M22	135 mm	2.5 mm	511.76 g
FBH13G1H22140	M22	140 mm	2.5 mm	526.68 g
FBH13G1H22145	M22	145 mm	2.5 mm	541.6 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H22150	M22	150 mm	2.5 mm	556.52 g
FBH13G1H22155	M22	155 mm	2.5 mm	571.44 g
FBH13G1H22160	M22	160 mm	2.5 mm	586.36 g
FBH13G1H22165	M22	165 mm	2.5 mm	601.28 g
FBH13G1H22170	M22	170 mm	2.5 mm	616.2 g
FBH13G1H22175	M22	175 mm	2.5 mm	631.12 g
FBH13G1H22180	M22	180 mm	2.5 mm	646.04 g
FBH13G1H22190	M22	190 mm	2.5 mm	675.88 g
FBH13G1H22200	M22	200 mm	2.5 mm	705.72 g
FBH13G1H22280	M22	280 mm	2.5 mm	944.45 g
FBH13G1H22340	M22	340 mm	2.5 mm	1123.49 g
FBH13G1H24050	M24	50 mm	3 mm	327.39 g
FBH13G1H24055	M24	55 mm	3 mm	345.15 g
FBH13G1H24060	M24	60 mm	3 mm	362.9 g
FBH13G1H24065	M24	65 mm	3 mm	380.66 g
FBH13G1H24070	M24	70 mm	3 mm	398.42 g
FBH13G1H24075	M24	75 mm	3 mm	416.17 g
FBH13G1H24080	M24	80 mm	3 mm	433.93 g
FBH13G1H24085	M24	85 mm	3 mm	451.68 g
FBH13G1H24090	M24	90 mm	3 mm	469.44 g
FBH13G1H24095	M24	95 mm	3 mm	487.2 g
FBH13G1H24100	M24	100 mm	3 mm	504.95 g
FBH13G1H24105	M24	105 mm	3 mm	522.71 g
FBH13G1H24110	M24	110 mm	3 mm	540.47 g
FBH13G1H24115	M24	115 mm	3 mm	558.22 g
FBH13G1H24120	M24	120 mm	3 mm	575.98 g
FBH13G1H24125	M24	125 mm	3 mm	593.73 g
FBH13G1H24130	M24	130 mm	3 mm	611.49 g
FBH13G1H24135	M24	135 mm	3 mm	629.25 g
FBH13G1H24140	M24	140 mm	3 mm	647 g
FBH13G1H24145	M24	145 mm	3 mm	664.76 g
FBH13G1H24150	M24	150 mm	3 mm	682.52 g
FBH13G1H24155	M24	155 mm	3 mm	700.27 g
FBH13G1H24160	M24	160 mm	3 mm	718.03 g
FBH13G1H24165	M24	165 mm	3 mm	735.78 g
FBH13G1H24170	M24	170 mm	3 mm	753.54 g
FBH13G1H24175	M24	175 mm	3 mm	771.3 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H24180	M24	180 mm	3 mm	789.05 g
FBH13G1H24190	M24	190 mm	3 mm	824.57 g
FBH13G1H24200	M24	200 mm	3 mm	860.08 g
FBH13G1H24210	M24	210 mm	3 mm	895.59 g
FBH13G1H24220	M24	220 mm	3 mm	931.1 g
FBH13G1H24230	M24	230 mm	3 mm	966.62 g
FBH13G1H24240	M24	240 mm	3 mm	1002.13 g
FBH13G1H24250	M24	250 mm	3 mm	1037.64 g
FBH13G1H24260	M24	260 mm	3 mm	1073.15 g
FBH13G1H24280	M24	280 mm	3 mm	1144.18 g
FBH13G1H24300	M24	300 mm	3 mm	1215.2 g
FBH13G1H27060	M27	60 mm	3 mm	488.57 g
FBH13G1H27065	M27	65 mm	3 mm	511.04 g
FBH13G1H27070	M27	70 mm	3 mm	533.51 g
FBH13G1H27075	M27	75 mm	3 mm	555.98 g
FBH13G1H27080	M27	80 mm	3 mm	578.46 g
FBH13G1H27085	M27	85 mm	3 mm	600.93 g
FBH13G1H27090	M27	90 mm	3 mm	623.4 g
FBH13G1H27095	M27	95 mm	3 mm	645.87 g
FBH13G1H27100	M27	100 mm	3 mm	668.35 g
FBH13G1H27105	M27	105 mm	3 mm	690.82 g
FBH13G1H27110	M27	110 mm	3 mm	713.29 g
FBH13G1H27115	M27	115 mm	3 mm	735.77 g
FBH13G1H27120	M27	120 mm	3 mm	758.24 g
FBH13G1H27125	M27	125 mm	3 mm	780.71 g
FBH13G1H27130	M27	130 mm	3 mm	803.18 g
FBH13G1H27135	M27	135 mm	3 mm	825.66 g
FBH13G1H27140	M27	140 mm	3 mm	848.13 g
FBH13G1H27145	M27	145 mm	3 mm	870.6 g
FBH13G1H27150	M27	150 mm	3 mm	893.08 g
FBH13G1H27155	M27	155 mm	3 mm	915.55 g
FBH13G1H27160	M27	160 mm	3 mm	938.02 g
FBH13G1H27165	M27	165 mm	3 mm	960.49 g
FBH13G1H27170	M27	170 mm	3 mm	982.97 g
FBH13G1H27175	M27	175 mm	3 mm	1005.44 g
FBH13G1H27180	M27	180 mm	3 mm	1027.91 g
FBH13G1H27190	M27	190 mm	3 mm	1072.86 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H27200	M27	200 mm	3 mm	1117.8 g
FBH13G1H27210	M27	210 mm	3 mm	1162.75 g
FBH13G1H27220	M27	220 mm	3 mm	1207.69 g
FBH13G1H27230	M27	230 mm	3 mm	1252.64 g
FBH13G1H27240	M27	240 mm	3 mm	1297.59 g
FBH13G1H27250	M27	250 mm	3 mm	1342.53 g
FBH13G1H27260	M27	260 mm	3 mm	1387.48 g
FBH13G1H27280	M27	280 mm	3 mm	1477.37 g
FBH13G1H27290	M27	290 mm	3 mm	1522.31 g
FBH13G1H27300	M27	300 mm	3 mm	1567.26 g
FBH13G1H30070	M30	70 mm	3.5 mm	675.71 g
FBH13G1H30075	M30	75 mm	3.5 mm	703.46 g
FBH13G1H30080	M30	80 mm	3.5 mm	731.2 g
FBH13G1H30085	M30	85 mm	3.5 mm	758.95 g
FBH13G1H30090	M30	90 mm	3.5 mm	786.69 g
FBH13G1H30095	M30	95 mm	3.5 mm	814.43 g
FBH13G1H30100	M30	100 mm	3.5 mm	842.18 g
FBH13G1H30105	M30	105 mm	3.5 mm	869.92 g
FBH13G1H30110	M30	110 mm	3.5 mm	897.67 g
FBH13G1H30115	M30	115 mm	3.5 mm	925.41 g
FBH13G1H30120	M30	120 mm	3.5 mm	953.15 g
FBH13G1H30125	M30	125 mm	3.5 mm	980.9 g
FBH13G1H30130	M30	130 mm	3.5 mm	1008.64 g
FBH13G1H30135	M30	135 mm	3.5 mm	1036.39 g
FBH13G1H30140	M30	140 mm	3.5 mm	1064.13 g
FBH13G1H30145	M30	145 mm	3.5 mm	1091.88 g
FBH13G1H30150	M30	150 mm	3.5 mm	1119.62 g
FBH13G1H30155	M30	155 mm	3.5 mm	1147.36 g
FBH13G1H30160	M30	160 mm	3.5 mm	1175.11 g
FBH13G1H30165	M30	165 mm	3.5 mm	1202.85 g
FBH13G1H30170	M30	170 mm	3.5 mm	1230.6 g
FBH13G1H30175	M30	175 mm	3.5 mm	1258.34 g
FBH13G1H30180	M30	180 mm	3.5 mm	1286.08 g
FBH13G1H30185	M30	185 mm	3.5 mm	1313.83 g
FBH13G1H30190	M30	190 mm	3.5 mm	1341.57 g
FBH13G1H30200	M30	200 mm	3.5 mm	1397.06 g
FBH13G1H30210	M30	210 mm	3.5 mm	1452.55 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H30220	M30	220 mm	3.5 mm	1508.04 g
FBH13G1H30230	M30	230 mm	3.5 mm	1563.53 g
FBH13G1H30240	M30	240 mm	3.5 mm	1619.02 g
FBH13G1H30250	M30	250 mm	3.5 mm	1674.5 g
FBH13G1H30260	M30	260 mm	3.5 mm	1729.99 g
FBH13G1H30280	M30	280 mm	3.5 mm	1840.97 g
FBH13G1H36085	M36	85 mm	4 mm	1184.23 g
FBH13G1H36090	M36	90 mm	4 mm	1224.18 g
FBH13G1H36095	M36	95 mm	4 mm	1264.13 g
FBH13G1H36100	M36	100 mm	4 mm	1304.08 g
FBH13G1H36105	M36	105 mm	4 mm	1344.03 g
FBH13G1H36110	M36	110 mm	4 mm	1383.99 g
FBH13G1H36115	M36	115 mm	4 mm	1423.94 g
FBH13G1H36120	M36	120 mm	4 mm	1463.89 g
FBH13G1H36125	M36	125 mm	4 mm	1503.84 g
FBH13G1H36130	M36	130 mm	4 mm	1543.79 g
FBH13G1H36135	M36	135 mm	4 mm	1583.74 g
FBH13G1H36140	M36	140 mm	4 mm	1623.7 g
FBH13G1H36145	M36	145 mm	4 mm	1663.65 g
FBH13G1H36150	M36	150 mm	4 mm	1703.6 g
FBH13G1H36155	M36	155 mm	4 mm	1743.55 g
FBH13G1H36160	M36	160 mm	4 mm	1783.5 g
FBH13G1H36165	M36	165 mm	4 mm	1823.45 g
FBH13G1H36170	M36	170 mm	4 mm	1863.41 g
FBH13G1H36175	M36	175 mm	4 mm	1903.36 g
FBH13G1H36180	M36	180 mm	4 mm	1943.31 g
FBH13G1H36185	M36	185 mm	4 mm	1983.26 g
FBH13G1H36190	M36	190 mm	4 mm	2023.21 g
FBH13G1H36195	M36	195 mm	4 mm	2063.16 g
FBH13G1H36200	M36	200 mm	4 mm	2103.12 g
FBH13G1H36205	M36	205 mm	4 mm	2143.07 g
FBH13G1H36210	M36	210 mm	4 mm	2183.02 g
FBH13G1H36215	M36	215 mm	4 mm	2222.97 g
FBH13G1H36220	M36	220 mm	4 mm	2262.92 g
FBH13G1H36230	M36	230 mm	4 mm	2342.83 g
FBH13G1H36240	M36	240 mm	4 mm	2422.73 g
FBH13G1H36250	M36	250 mm	4 mm	2502.63 g



Part number	Size (d)	Length (l)	Thread pitch	Weight
FBH13G1H36260	M36	260 mm	4 mm	2582.54 g
FBH13G1H36310	M36	310 mm	4 mm	2982.05 g
FBH13G1H36380	M36	380 mm	4 mm	3541.37 g
FBH13G1H36400	M36	400 mm	4 mm	3701.18 g
FBH13G1H36420	M36	420 mm	4 mm	3860.99 g
FBH13G1H42140	M42	140 mm	4.5 mm	–
FBH13G1H42220	M42	220 mm	4.5 mm	–
FBH13G1H42230	M42	230 mm	4.5 mm	–
FBH13G1H48230	M48	230 mm	5 mm	–

Part numbers: 275

STANDARDS & CERTIFICATES

Standards

EN 14399 – Structural Hex Bolt

