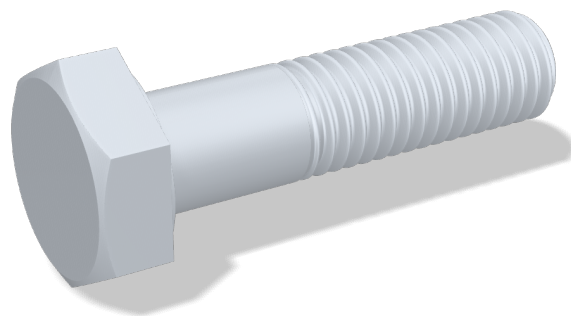


Hex Head Bolt DIN 931 / ISO 4014 - Steel 10.9, Zinc flake with lubricant

Hex Head Bolt to DIN 931 / ISO 4014, in the sizes, grades and finishes listed.



TECHNICAL DATA

Dimensions

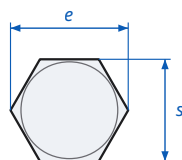
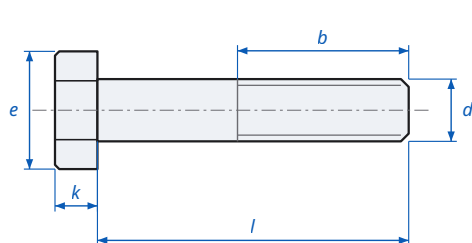
Thread form	Metric ISO thread
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Materials & Finish

Head type	Hexagon
Drive type	External hexagon

Property class / grade	10.9
Material	Steel
Surface finish	Zinc flake with lubricant

DIMENSIONS



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

Hex Head Bolt DIN 931 / ISO 4014 - dimensions

AVAILABLE PART NUMBERS

Part number	Size (d)	Length (l)	Thread pitch	Width across flats (s)	Width across corners (e)	Head height (k)	Thread length (b)	Weight
FBH02G1L06030	M6	30 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	8.06 g
FBH02G1L06035	M6	35 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	9.13 g
FBH02G1L06040	M6	40 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	10.2 g
FBH02G1L06045	M6	45 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	11.3 g
FBH02G1L06050	M6	50 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	12.3 g
FBH02G1L06055	M6	55 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	13.4 g
FBH02G1L06060	M6	60 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	14.4 g
FBH02G1L06065	M6	65 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	15.4 g



Part number	Size (d)	Length (l)	Thread pitch	Width across flats (s)	Width across corners (e)	Head height (k)	Thread length (b)	Weight
FBH02G1L06070	M6	70 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	16.4 g
FBH02G1L06080	M6	80 mm	1 mm	10 mm	11.05 mm	4 mm	18 mm	18.4 g
FBH02G1L08035	M8	35 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	18.2 g
FBH02G1L08040	M8	40 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	20.3 g
FBH02G1L08045	M8	45 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	22.2 g
FBH02G1L08050	M8	50 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	24.2 g
FBH02G1L08055	M8	55 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	25.8 g
FBH02G1L08060	M8	60 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	27.8 g
FBH02G1L08065	M8	65 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	29.8 g
FBH02G1L08070	M8	70 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	31.8 g
FBH02G1L08075	M8	75 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	33.7 g
FBH02G1L08080	M8	80 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	35.7 g
FBH02G1L08090	M8	90 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	39.7 g
FBH02G1L08100	M8	100 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	22 mm	43.7 g
FBH02G1L08150	M8	150 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	28 mm	63.7 g
FBH02G1L08240	M8	240 mm	1.25 mm	13 mm	14.38 mm	5.3 mm	41 mm	99.7 g
FBH04G1L10040	M10	40 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	35 g
FBH04G1L10045	M10	45 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	38 g
FBH04G1L10050	M10	50 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	41.1 g
FBH04G1L10055	M10	55 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	43.8 g
FBH04G1L10060	M10	60 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	46.9 g
FBH04G1L10065	M10	65 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	50 g
FBH04G1L10070	M10	70 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	53.1 g
FBH04G1L10075	M10	75 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	56.2 g
FBH04G1L10080	M10	80 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	59.3 g
FBH04G1L10090	M10	90 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	65.5 g
FBH04G1L10100	M10	100 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	71.7 g
FBH04G1L10110	M10	110 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	77.9 g
FBH04G1L10120	M10	120 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	26 mm	84.1 g
FBH04G1L10140	M10	140 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	32 mm	96.5 g
FBH04G1L10180	M10	180 mm	1.5 mm	16 mm	17.77 mm	6.4 mm	32 mm	121.3 g
FBH04G1L12045	M12	45 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	53.6 g
FBH04G1L12050	M12	50 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	58.1 g
FBH04G1L12055	M12	55 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	62.6 g
FBH04G1L12060	M12	60 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	67 g
FBH04G1L12065	M12	65 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	70.3 g
FBH04G1L12070	M12	70 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	74.7 g



Part number	Size (d)	Length (l)	Thread pitch	Width across flats (s)	Width across corners (e)	Head height (k)	Thread length (b)	Weight
FBH04G1L12075	M12	75 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	79.1 g
FBH04G1L12080	M12	80 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	83.6 g
FBH04G1L12090	M12	90 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	92.4 g
FBH04G1L12100	M12	100 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	101 g
FBH04G1L12110	M12	110 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	109 g
FBH04G1L12120	M12	120 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	30 mm	118 g
FBH04G1L12130	M12	130 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	36 mm	127 g
FBH04G1L12140	M12	140 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	36 mm	136 g
FBH04G1L12150	M12	150 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	36 mm	145 g
FBH04G1L12160	M12	160 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	36 mm	154 g
FBH04G1L12170	M12	170 mm	1.75 mm	18 mm	20.03 mm	7.5 mm	36 mm	163 g
FBH04G1L14055	M14	55 mm	2 mm	21 mm	23.36 mm	8.8 mm	34 mm	88.1 g
FBH04G1L14060	M14	60 mm	2 mm	21 mm	23.36 mm	8.8 mm	34 mm	94.1 g
FBH04G1L14100	M14	100 mm	2 mm	21 mm	23.36 mm	8.8 mm	34 mm	139 g
FBH02G1L16055	M16	55 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	115 g
FBH02G1L16060	M16	60 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	123 g
FBH02G1L16065	M16	65 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	131 g
FBH02G1L16070	M16	70 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	139 g
FBH02G1L16075	M16	75 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	147 g
FBH02G1L16080	M16	80 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	155 g
FBH02G1L16090	M16	90 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	171 g
FBH02G1L16095	M16	95 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	179 g
FBH02G1L16100	M16	100 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	186 g
FBH02G1L16110	M16	110 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	202 g
FBH02G1L16120	M16	120 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	218 g
FBH02G1L16125	M16	125 mm	2 mm	24 mm	26.75 mm	10 mm	38 mm	224 g
FBH02G1L16130	M16	130 mm	2 mm	24 mm	26.75 mm	10 mm	44 mm	230 g
FBH02G1L16140	M16	140 mm	2 mm	24 mm	26.75 mm	10 mm	44 mm	246 g
FBH02G1L16150	M16	150 mm	2 mm	24 mm	26.75 mm	10 mm	44 mm	262 g
FBH02G1L16190	M16	190 mm	2 mm	24 mm	26.75 mm	10 mm	44 mm	326 g
FBH02G1L16200	M16	200 mm	2 mm	24 mm	26.75 mm	10 mm	44 mm	342 g
FBH02G1L18090	M18	90 mm	2.5 mm	27 mm	30.14 mm	11.5 mm	42 mm	220 g
FBH02G1L18100	M18	100 mm	2.5 mm	27 mm	30.14 mm	11.5 mm	42 mm	240 g
FBH02G1L20065	M20	65 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	219 g
FBH02G1L20070	M20	70 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	231 g
FBH02G1L20075	M20	75 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	243 g
FBH02G1L20080	M20	80 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	255 g



Part number	Size (d)	Length (l)	Thread pitch	Width across flats (s)	Width across corners (e)	Head height (k)	Thread length (b)	Weight
FBH02G1L20090	M20	90 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	279 g
FBH02G1L20095	M20	95 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	291 g
FBH02G1L20100	M20	100 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	303 g
FBH02G1L20105	M20	105 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	315 g
FBH02G1L20110	M20	110 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	327 g
FBH02G1L20120	M20	120 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	46 mm	351 g
FBH02G1L20130	M20	130 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	374 g
FBH02G1L20140	M20	140 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	398 g
FBH02G1L20150	M20	150 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	422 g
FBH02G1L20160	M20	160 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	446 g
FBH02G1L20170	M20	170 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	470 g
FBH02G1L20180	M20	180 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	494 g
FBH02G1L20200	M20	200 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	52 mm	544 g
FBH02G1L20290	M20	290 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	65 mm	769 g
FBH02G1L20340	M20	340 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	65 mm	894 g
FBH02G1L20360	M20	360 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	65 mm	944 g
FBH02G1L20380	M20	380 mm	2.5 mm	30 mm	33.53 mm	12.5 mm	65 mm	994 g
FBH04G1L22110	M22	110 mm	2.5 mm	34 mm	37.72 mm	14 mm	50 mm	400 g
FBH02G1L24080	M24	80 mm	3 mm	36 mm	39.98 mm	15 mm	54 mm	392 g
FBH02G1L24090	M24	90 mm	3 mm	36 mm	39.98 mm	15 mm	54 mm	428 g
FBH02G1L24100	M24	100 mm	3 mm	36 mm	39.98 mm	15 mm	54 mm	464 g
FBH02G1L24110	M24	110 mm	3 mm	36 mm	39.98 mm	15 mm	54 mm	500 g
FBH02G1L24120	M24	120 mm	3 mm	36 mm	39.98 mm	15 mm	54 mm	535 g
FBH02G1L24130	M24	130 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	560 g
FBH02G1L24135	M24	135 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	577.5 g
FBH02G1L24140	M24	140 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	595 g
FBH02G1L24150	M24	150 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	630 g
FBH02G1L24160	M24	160 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	665 g
FBH02G1L24170	M24	170 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	700 g
FBH02G1L24180	M24	180 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	735 g
FBH02G1L24200	M24	200 mm	3 mm	36 mm	39.98 mm	15 mm	60 mm	805 g
FBH02G1L24230	M24	230 mm	3 mm	36 mm	39.98 mm	15 mm	73 mm	902.5 g
FBH02G1L24240	M24	240 mm	3 mm	36 mm	39.98 mm	15 mm	73 mm	935 g
FBH02G1L24300	M24	300 mm	3 mm	36 mm	39.98 mm	15 mm	73 mm	1130 g

Part numbers: 116





STANDARDS & CERTIFICATES

Standards

DIN 931 – Hex Head Bolt

ISO 4014 – Hex Head Bolt

