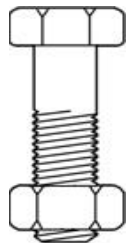




## Hex Head Bolt - Metric High Tensile Gr. 8.8

### M5 x 0.8p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
12mm	B31 05012??	B30 05012??	200	200
16mm	B31 05016??	B30 05016??	200	200
20mm	B31 05020??	B30 05020??	200	200
25mm	B31 05025??	B30 05025??	200	200
30mm	B31 05030??	B30 05030??	200	200
35mm	B31 05035??	B30 05035??	200	200
40mm	B31 05040??	B30 05040??	200	200
45mm	B31 05045??	B30 05045??	200	200
50mm	B31 05050??	B30 05050??	200	200
55mm	B31 05055??	B30 05055??	150	150
60mm	B31 05060??	B30 05060??	150	150



### M6 x 1.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
12mm	B31 06012??	B30 06012??	200	
16mm	B31 06016??	B30 06016??	200	200
20mm	B31 06020??	B31 06020??	200	200
25mm	B31 06025??	B30 06025??	200	200
30mm	B31 06030??	B30 06030??	200	200
35mm	B31 06035??	B30 06035??	200	200
40mm	B31 06040??	B30 06040??	200	200
45mm	B31 06045??	B30 06045??	200	200
50mm	B31 06050??	B30 06050??	200	200
55mm	B31 06055??	B30 06055??	150	150
60mm	B31 06060??	B30 06060??	150	150
65mm	B31 06065??	B30 06065??	150	150
70mm	B31 06070??	B30 06070??	150	150
75mm	B31 06075??	B30 06075??	150	150
80mm	B31 06080??	B30 06080??	150	

### M8 x 1.25p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
20mm	B31 08020??	B30 08020??	200	200
25mm	B31 08025??	B30 08025??	200	200
30mm	B31 08030??	B30 08030??	200	200
35mm	B31 08035??	B30 08035??	200	200
40mm	B31 08040??	B30 08040??	200	200

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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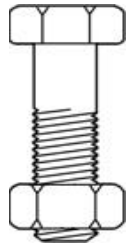


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M8 x 1.25p

Size	Code Bolt Only	Code Bolt & Nut	Plain Pack Quantity (if available)	ZP
45mm	B31 08045??	B30 08045??	150	150
50mm	B31 08050??	B30 08050??	150	150
55mm	B31 08055??	B30 08055??	150	150
60mm	B31 08060??	B30 08060??	150	150
65mm	B31 08065??	B30 08065??	150	150
70mm	B31 08070??	B30 08070??	100	100
75mm	B31 08075??	B30 08075??	100	100
80mm	B31 08080??	B30 08080??	100	100
85mm	B31 08085??	B30 08085??	100	100
90mm	B31 08090??	B30 08090??	100	100
95mm	B31 08095??	B30 08095??	100	100
100mm	B31 08100??	B30 08100??	100	100
110mm	B31 08110??	B30 08110??	100	100
120mm	B31 08120??	B30 08120??	100	100
130mm	B31 08130??	B30 08130??	100	100



### M10 x 1.5p

Size	Code Bolt Only	Code Bolt & Nut	Plain Pack Quantity (if available)	ZP
20mm	B31 10020??	B30 10020??	2	150
25mm	B31 10025??	B30 10025??	150	150
30mm	B31 10030??	B30 10030??	150	150
35mm	B31 10035??	B30 10035??	150	150
40mm	B31 10040??	B30 10040??	150	150
45mm	B31 10045??	B30 10045??	150	150
50mm	B31 10050??	B30 10050??	75	75
55mm	B31 10055??	B30 10055??	75	75
60mm	B31 10060??	B30 10060??	75	75
65mm	B31 10065??	B30 10065??	75	75
70mm	B31 10070??	B30 10070??	75	75
75mm	B31 10075??	B30 10075??	75	75
80mm	B31 10080??	B30 10080??	75	75
85mm	B31 10085??	B30 10085??	75	75
90mm	B31 10090??	B30 10090??	50	50
95mm	B31 10095??	B30 10095??	50	50
100mm	B31 10100??	B30 10100??	50	50
110mm	B31 10110??	B30 10110??	50	50
120mm	B31 10120??	B30 10120??	50	50

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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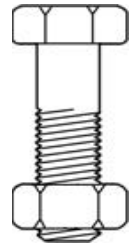


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M10 x 1.5p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
130mm	B31 10130??	B30 10130??	50	50
140mm	B31 10140??	B30 10140??	50	50
150mm	B31 10150??	B30 10150??	50	50
160mm	B31 10160??	B30 10160??	50	50
170mm	B31 10170??	B30 10170??	50	50
180mm	B31 10180??	B30 10180??	25	25
190mm	B31 10190??	B30 10190??	25	25
200mm	B31 10200??	B30 10200??	25	25



### M12 x 1.75p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
20mm	B31 12020??	B30 12020??	75	75
25mm	B31 12025??	B30 12025??	75	75
30mm	B31 12030??	B30 12030??	75	75
35mm	B31 12035??	B30 12035??	75	75
40mm	B31 12040??	B30 12040??	75	75
45mm	B31 12045??	B30 12045??	75	75
50mm	B31 12050??	B30 12050??	50	50
55mm	B31 12055??	B30 12055??	50	50
60mm	B31 12060??	B30 12060??	50	50
65mm	B31 12065??	B30 12065??	50	50
70mm	B31 12070??	B30 12070??	50	50
75mm	B31 12075??	B30 12075??	25	25
80mm	B31 12080??	B30 12080??	25	25
85mm	B31 12085??	B30 12085??	25	25
90mm	B31 12090??	B30 12090??	25	25
95mm	B31 12095??	B30 12095??	25	25
100mm	B31 12100??	B30 12100??	25	25
110mm	B31 12110??	B30 12110??	25	25
120mm	B31 12120??	B30 12120??	25	25
130mm	B31 12130??	B30 12130??	25	25
140mm	B31 12140??	B30 12140??	25	25
150mm	B31 12150??	B30 12150??	25	25
160mm	B31 12160??	B30 12160??	20	20
170mm	B31 12170??	B30 12170??	20	20
180mm	B31 12180??	B30 12180??	20	20
190mm	B31 12190??	B30 12190??	20	20

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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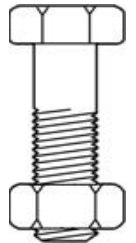


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M12 x 1.75p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
200mm	B31 12200??	B30 12200??	20	20
210mm	B31 12210??	B30 12210??	20	20
220mm	B31 12220??	B30 12220??	20	20
230mm	B31 12230??	B30 12230??	20	20
240mm	B31 12240??	B30 12240??	20	20
250mm	B31 12250??	B30 12250??	20	20
260mm	B31 12260??	B30 12260??	20	20
270mm	B31 12270??	B30 12270??	20	20
280mm	B31 12280??	B30 12280??	20	20
290mm	B31 12290??	B30 12290??	20	20
300mm	B31 12300??	B30 12300??	20	20
325mm	B31 12325??	B30 12325??	20	20
350mm	B31 12350??	B30 12350??	20	20
380mm	B31 12380??	B30 12380??	20	20
400mm	B31 12400??	B30 12400??	20	20



### M14 x 2.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
25mm	B31 14025??	B30 14025??	25	25
50mm	B31 14050??	B30 14050??	25	25
55mm	B31 14055??	B30 14055??	25	25
60mm	B31 14060??	B30 14060??	25	25
65mm	B31 14065??	B30 14065??	25	25
70mm	B31 14070??	B30 14070??	25	25
75mm	B31 14075??	B30 14075??	25	25
80mm	B31 14080??	B30 14080??	25	25
90mm	B31 14090??	B30 14090??	25	25
95mm	B31 14095??	B30 14095??	25	25
100mm	B31 14100??	B30 14100??	25	25
110mm	B31 14110??	B30 14110??	15	15
120mm	B31 14120??	B30 14120??	15	15
130mm	B31 14130??	B30 14130??	15	15
140mm	B31 14140??	B30 14140??	15	15
150mm	B31 14150??	B30 14150??	15	15
160mm	B31 14160??	B30 14160??	15	15
170mm	B31 14170??	B30 14170??	15	15
180mm	B31 14180??	B30 14180??	15	15

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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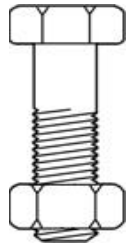


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M14 x 2.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
190mm	B31 14190??	B30 14190??	15	15
200mm	B31 14200??	B30 14200??	5	5
210mm	B31 14210??	B30 14210??	5	5
220mm	B31 14220??	B30 14220??	5	5
230mm	B31 14230??	B30 14230??	5	5
240mm	B31 14240??	B30 14240??	1	1
250mm	B31 14250??	B30 14250??	1	1
260mm	B31 14260??	B30 14260??	1	1
270mm	B31 14270??	B30 14270??	1	1
280mm	B31 14280??	B30 14280??	1	1
290mm	B31 14290??	B30 14290??	1	1
300mm	B31 14300??	B30 14300??	1	1
330mm	B31 14330??	B30 14330??	1	1
350mm	B31 14350??	B30 14350??	1	1
380mm	B31 14380??	B30 14380??	1	1
400mm	B31 14400??	B30 14400??	1	1



### M16 x 2.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
50mm	B31 16050??	B30 16050??	25	25
55mm	B31 16055??	B30 16055??	25	25
60mm	B31 16060??	B30 16060??	25	25
65mm	B31 16065??	B30 16065??	25	25
70mm	B31 16070??	B30 16070??	25	25
75mm	B31 16075??	B30 16075??	25	25
80mm	B31 16080??	B30 16080??	25	25
90mm	B31 16090??	B30 16090??	25	25
100mm	B31 16100??	B30 16100??	25	25
110mm	B31 16110??	B30 16110??	15	15
120mm	B31 16120??	B30 16120??	15	15
130mm	B31 16130??	B30 16130??	15	15
140mm	B31 16140??	B30 16140??	15	15
150mm	B31 16150??	B30 16150??	15	15
160mm	B31 16160??	B30 16160??	15	15
170mm	B31 16170??	B30 16170??	15	15
180mm	B31 16180??	B30 16180??	15	15
190mm	B31 16190??	B30 16190??	15	15

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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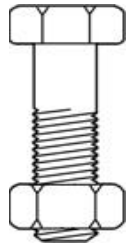


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M16 x 2.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
200mm	B31 16200??	B30 16200??	15	15
210mm	B31 16210??	B30 16210??	10	10
220mm	B31 16220??	B30 16220??	10	10
230mm	B31 16230??	B30 16230??	10	10
240mm	B31 16240??	B30 16240??	10	10
250mm	B31 16250??	B30 16250??	10	10
260mm	B31 16260??	B30 16260??	10	10
270mm	B31 16270??	B30 16270??	10	10
280mm	B31 16280??	B30 16280??	10	10
290mm	B31 16290??	B30 16290??	10	10
300mm	B31 16300??	B30 16300??	10	10
325mm	B31 16325??	B30 16325??	5	5
350mm	B31 16350??	B30 16350??	5	5
380mm	B31 16380??	B30 16380??	5	5
400mm	B31 16400??	B30 16400??	5	5



### M20 x 2.5p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
55mm	B31 20055??	B30 20055??	25	25
60mm	B31 20060??	B30 20060??	25	25
65mm	B31 20065??	B30 20065??	20	20
70mm	B31 20070??	B30 20070??	20	20
75mm	B31 20075??	B30 20075??	20	20
80mm	B31 20080??	B30 20080??	20	20
90mm	B31 20090??	B30 20090??	20	20
100mm	B31 20100??	B30 20100??	10	10
110mm	B31 20110??	B30 20110??	10	10
120mm	B31 20120??	B30 20120??	10	10
130mm	B31 20130??	B30 20130??	10	10
140mm	B31 20140??	B30 20140??	10	10
150mm	B31 20150??	B30 20150??	10	10
160mm	B31 20160??	B30 20160??	10	10
170mm	B31 20170??	B30 20170??	10	10
180mm	B31 20180??	B30 20180??	10	10
190mm	B31 20190??	B30 20190??	10	10
200mm	B31 20200??	B30 20200??	10	10
210mm	B31 20210??	B30 20210??	5	5

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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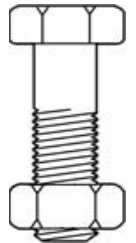


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M20 x 2.5p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
220mm	B31 20220??	B30 20220??	5	5
230mm	B31 20230??	B30 20230??	5	5
240mm	B31 20240??	B30 20240??	5	5
250mm	B31 20250??	B30 20250??	5	5
260mm	B31 20260??	B30 20260??	5	5
270mm	B31 20270??	B30 20270??	5	5
280mm	B31 20280??	B30 20280??	5	5
290mm	B31 20290??	B30 20290??	5	5
300mm	B31 20300??	B30 20300??	1	1
325mm	B31 20325??	B30 20325??	1	1
350mm	B31 20350??	B30 20350??	1	1
380mm	B31 20380??	B30 20380??	1	1
400mm	B31 20400??	B30 20400??	1	1



### M24 x 3.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
50mm	B31 24050??	B30 24050??	5	5
55mm	B31 24055??	B30 24055??	5	5
60mm	B31 24060??	B30 24060??	5	5
65mm	B31 24065??	B30 24065??	5	5
70mm	B31 24070??	B30 24070??	5	5
75mm	B31 24075??	B30 24075??	5	5
80mm	B31 24080??	B30 24080??	5	5
90mm	B31 24090??	B30 24090??	5	5
100mm	B31 24100??	B30 24100??	5	5
110mm	B31 24110??	B30 24110??	5	5
120mm	B31 24120??	B30 24120??	5	5
130mm	B31 24130??	B30 24130??	5	5
140mm	B31 24140??	B30 24140??	5	5
150mm	B31 24150??	B30 24150??	5	5
160mm	B31 24160??	B30 24160??	5	5
170mm	B31 24170??	B30 24170??	5	5
180mm	B31 24180??	B30 24180??	5	5
190mm	B31 24190??	B30 24190??	5	5
200mm	B31 24200??	B30 24200??	5	5
220mm	B31 24220??	B30 24220??	5	5
240mm	B31 24240??	B30 24240??	5	5

Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain

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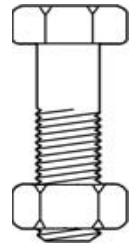


## Hex Head Bolt - Metric High Tensile Gr. 8.8

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### M24 x 3.0p

Size	Code Bolt Only	Code Bolt & Nut	Plain Pack Quantity (if available)	ZP
260mm	B31 24260??	B30 24260??	5	5
280mm	B31 24280??	B30 24280??	1	5
300mm	B31 24300??	B30 24300??	1	
325mm	B31 24325??	B30 24325??	1	
350mm	B31 24350??	B30 24350??	1	
375mm	B31 24375??	B30 24375??	1	
400mm	B31 24400??	B30 24400??	1	



### M30 x 3.5p

Size	Code Bolt Only	Code Bolt & Nut	Plain Pack Quantity (if available)	ZP
75mm	B31 30075??	B30 30075??	5	
80mm	B31 30080??	B30 30080??	5	
85mm	B31 30085??	B31 30085??	5	
90mm	B31 30090??	B30 30090??	5	
100mm	B31 30100??	B30 30100??	5	
110mm	B31 30110??	B30 30110??	5	
120mm	B31 30120??	B30 30120??	5	
130mm	B31 30130??	B30 30130??	5	
140mm	B31 30140??	B30 30140??	5	
150mm	B31 30150??	B30 30150??	5	
160mm	B31 30160??	B30 30160??	5	
170mm	B31 30170??	B30 30170??	5	
180mm	B31 30180??	B30 30180??	5	
190mm	B31 30190??	B30 30190??	5	
200mm	B31 30200??	B30 30200??	5	
210mm	B31 30210??	B30 30210??	5	
220mm	B31 30220??	B30 30220??	5	
230mm	B31 30230??	B30 30230??	5	
240mm	B31 30240??	B30 30240??	5	
250mm	B31 30250??	B30 30250??	5	

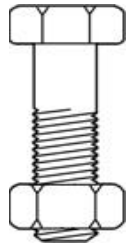
Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain



## Hex Head Bolt - Metric High Tensile Gr. 8.8

### M36 x 4.0p

Size	Code	Code	Plain	ZP
	Bolt Only	Bolt & Nut	Pack Quantity (if available)	
100mm	B31 36100??	B30 36100??	2	
110mm	B31 36110??	B30 36110??	2	
120mm	B31 36120??	B30 36120??	2	
130mm	B31 36130??	B30 36130??	2	
140mm	B31 36140??	B30 36140??	2	
150mm	B31 36150??	B30 36150??	2	
170mm	B31 36170??	B30 36170??	2	
180mm	B31 36180??	B30 36180??	2	
190mm	B31 36190??	B30 36190??	2	
200mm	B31 36200??	B30 36200??	2	
220mm	B31 36220??	B30 36220??	2	
230mm	B31 36230??	B30 36230??	2	
240mm	B31 36240??	B30 36240??	2	
250mm	B31 36250??	B30 36250??	2	
280mm	B31 36280??	B30 36280??	2	
300mm	B31 36300??	B30 36300??	2	



Replace ?? with GA = H.D.Gal, ZP = Zinc Plated, PL = Plain