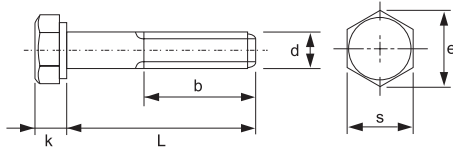


## Hexagon Head Bolt, Stainless Steel (Partial Threaded)

### Metric Series



### Product Specifications

Grade	A2-50, A2-70, A4-70, A4-80
Standard	BS EN ISO 3506-1 / BS 6105
Specification	BS 3692 / DIN 931 / ISO 4014

### Mechanical & Physical Properties

Property Class	50	70	80
Tensile Strength (N/mm <sup>2</sup> )	500	700	800
Stress at 0.2% permanent strain (N/mm <sup>2</sup> )	210	450	600

### Dimensions

	Nominal Size	Nominal stress area	Thread pitch (coarse)	Width across flats	Width across corners	Height of head	Diameter of unthreaded shank	Length of thread	Length of thread	Length of thread	Length range*
	d	(mm <sup>2</sup> )		s max.	e min.	k max.	d max.	b L ≤ 25	b 125 < L ≤ 200	b L > 200	L
BS 3692	M6	20.1	1.00	10.0	11.05	4.15	6.0	18	-	-	6-90
	M8	36.6	1.25	13.0	14.38	5.65	8.0	22	-	-	8-110
	M10	58	1.50	17.0	18.90	7.18	10.0	26	32	-	8-160
	M12	84.3	1.75	19.0	21.10	8.18	12.0	30	36	-	10-180
	M16	157	2.00	24.0	26.75	10.18	16.0	38	44	57	12-220
	M20	245	2.50	30.0	33.53	13.22	20.0	46	52	65	16-220
	M24	353	3.00	36.0	39.98	15.22	24.0	54	60	73	16-220
DIN 931 / ISO 4014	M6	20.1	1.00	10.0	11.05	4.15/4.24	6.0	18	24	-	6-150
	M8	36.6	1.25	13.0	14.38	5.45/5.54	8.0	22	28	-	8-150
	M10	58	1.50	17.0/16.0	18.90/17.77	6.58/6.69	10.0	26	32	45	10-200
	M12	84.3	1.75	19.0/18.0	21.10/20.03	7.68/7.79	12.0	30	36	49	12-200
	M16	157	2.00	24.0	26.75	10.18/10.29	16.0	38	44	57	16-300
	M20	245	2.50	30.0	33.53	12.72/12.85	20.0	46	52	65	20-300
	M24	353	3.00	36.0	39.98	15.22/15.35	24.0	54	60	73	30-300
	M30	561	3.50	46.0	50.85	19.12	30.0	66	72	85	50-300
	M36	817	4.00	55.0	60.79	22.92	36.0	78	84	97	50-300

all unit in mm unless specified

Standard length (L) in mm

6, 8, 10, 12, 14, 16, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100

110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 220, 240, 260, 280, 300

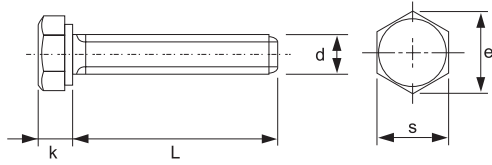
\* check stock length before order; other sizes and lengths available on request

### Ordering Example

Part No.	Description
M10X0050PBA2-70	M10x50mm Stainless Steel Partial Threaded Hexagon Head Bolt, Grade A2-70 (SS304)
M10X0050PBA4-80	M10x50mm Stainless Steel Partial Threaded Hexagon Head Bolt, Grade A4-80 (SS316)

# Hexagon Head Bolt, Stainless Steel (Fully Threaded)

## Metric Series



### Product Specifications

Grade	A2-50, A2-70, A4-70, A4-80
Standard	BS EN ISO 3506-1 / BS 6105
Specification	BS 3692 / DIN 933 / ISO 4017

### Mechanical & Physical Properties

Property Class	50	70	80
Tensile Strength (N/mm <sup>2</sup> )	500	700	800
Stress at 0.2% permanent strain (N/mm <sup>2</sup> )	210	450	600

## Dimensions

	Nominal Size	Nominal stress area	Thread pitch (coarse)	Width across flats	Width across corners	Height of head	Length range*
	d	(mm <sup>2</sup> )		s max.	e min.	k max.	L
BS 3692	M6	20.1	1.00	10.0	11.05	4.15	6-90
	M8	36.6	1.25	13.0	14.38	5.65	8-110
	M10	58	1.50	17.0	18.90	7.18	8-160
	M12	84.3	1.75	19.0	21.10	8.18	10-180
	M16	157	2.00	24.0	26.75	10.18	12-220
	M20	245	2.50	30.0	33.53	13.22	16-220
	M24	353	3.00	36.0	39.98	15.22	16-220
	M30	561	3.50	46.0	51.28	19.26	35-400
DIN 933 / ISO 4017	M6	20.1	1.00	10.0	11.05	4.15	6-150
	M8	36.6	1.25	13.0	14.38	5.45	8-150
	M10	58	1.50	17.0/16.0	18.90/17.77	6.58	10-200
	M12	84.3	1.75	19.0/18.0	21.10/20.03	7.68	12-200
	M16	157	2.00	24.0	26.75	10.18	16-300
	M20	245	2.50	30.0	33.53	12.72	20-300
	M24	353	3.00	36.0	39.98	15.22	30-300
	M30	561	3.50	46.0	50.85	19.12	50-300
	M36	817	4.00	55.0	60.79	22.92	50-300

all unit in mm unless specified

Standard length (L) in mm  
 6, 8, 10, 12, 14, 16, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100  
 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 220, 240, 260, 280, 300  
 \* check stock length before order; other sizes and lengths available on request

## Ordering Example

Part No.	Description
M10X0050FBA2-70	M10x50mm Stainless Steel Fully Threaded Hexagon Head Bolt, Grade A2-70 (SS304)
M10X0050FBA4-80	M10x50mm Stainless Steel Fully Threaded Hexagon Head Bolt, Grade A4-80 (SS316)