

# Section 1

## Threaded Fasteners

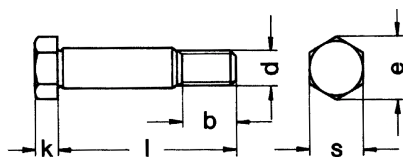


**Metric &  
Multistandard**

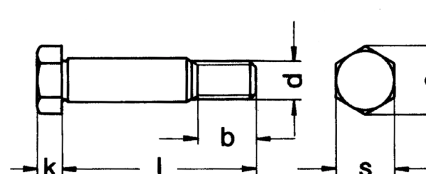
### HEXAGON HEAD SHOULDER BOLTS, LONG THREAD # 609

### HEXAGON HEAD SHOULDER BOLTS, SHORT THREAD # 610

Ref: DIN 609/610 - Material: Heat Treated Alloy Steel - Grade 8.8  
Shoulder Diameter = Thread Diameter + 1mm (for sizes M8 to M27)



**# 609**



**# 610**

NOMINAL SIZE	# 609 Long Thread	# 610 Short Thread
8 x 25	x	x
8 x 30	x	x
8 x 35	x	x
8 x 40	x	x
8 x 45	x	x
8 x 50	x	x
10 x 30	x	x
10 x 35	x	x
10 x 40	x	x
10 x 45	x	x
10 x 50	x	x
10 x 55	x	x
10 x 60	x	x
12 x 35	x	x
12 x 40	x	x
12 x 45	x	x
12 x 50	x	x
12 x 55	x	x
12 x 60	x	x
12 x 70	x	x
12 x 80	x	x

NOMINAL SIZE	# 609 Long Thread	# 610 Short Thread
16 x 40	x	x
16 x 45	x	x
16 x 50	x	x
16 x 55	x	x
16 x 60	x	x
16 x 70	x	x
16 x 80	x	x
16 x 90	x	x
16 x 100	x	x
20 x 45	x	x
20 x 50	x	x
20 x 55	x	x
20 x 60	x	x
20 x 70	x	x
20 x 80	x	x
20 x 90	x	x
20 x 100	x	x
20 x 110	x	x
20 x 120	x	x

"x" denotes stock availability

NOM. DIAMETER mm	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 36
PITCH mm	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	4
SHOULDER DIA. k6 mm	9	11	13	15	17	19	21	23	25	28	32	38
b Thread Length Up to 50 mm	14.5	17.5	20.5	22	25	27.5	28.5	32.5	-	-	-	-
b Thread Length 50 - 150 mm	16.5	19.5	22.5	24	27	29.5	30.5	34.5	36.5	39.5	43	49
DIN 609 b Thread Length Up to 50 mm	11.5	13.5	15.5	17	19	21.5	22.5	24.5	26.5	-	-	-
DIN 609 b Thread Length 50 - 150 mm	13.5	15.5	17.5	19	21	23.5	24.5	26.5	28.5	31.5	34	40
THREAD PER INCH (Approx.)	20 1/4	17	14 1/2	12 1/4	12 1/4	10 1/4	10 1/4	10 1/4	8 1/2	8 1/2	7 1/4	6 1/4
k Head Height	5.5	7	8	9	10	12	13	14	15	17	19	23
s Wrench Size Across Flats	13	17	19	22	24	27	30	32	36	41	46	55

**How to Order**  
Item #: 609  
Size: 10 x 45  
Quantity: 150  
Tel: 1-888-966-MMCC

Diameters 14, 18, 22, 24, 27, 30 & 36 also available on request - **Please inquire.**

Unlike Metric Socket Head Shoulder Bolts, Hex Head Shoulder Bolts are called out by "thread diameter x total length under head." (ie. "Length" is not "shoulder length.")