

# Section 1 Threaded Fasteners



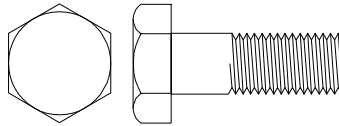
## HEAVY HEXAGON STRUCTURAL BOLTS # 6914 10

Ref: DIN 6914 1989/ISO 7412 - High Strength - Property Class 10.9 - Coarse Thread Pitch - Partly Threaded  
Heat Treated Steel - Hot Dip Galvanized

For structural bolting with oversized across-flat pattern

Bolts manufactured according to DIN 6914-10 standard, when matched with the oversized nut # 6915-10 and flat washer # 6916-(C45) provide an assembly with a level of assurance against failure by thread stripping if overtightened.

Tensile Strength: Rm/ N/mm<sup>2</sup> 1040 minimum, Mpa 1040 minimum (150,800 psi)



NOMINAL LENGTH mm	NOMINAL THREAD DIAMETER in mm						
	M 12	M 16	M 20	(M 22)	M 24	(M 27)	M 30
30	X	-	-	-	-	-	-
35	X	-	-	-	-	-	-
40	X	X	-	-	-	-	-
45	X	X	-	-	-	-	-
50	X	X	X	-	-	-	-
55	X	X	X	-	-	-	-
60	X	X	X	X	X	-	-
65	X	X	X	X	X	-	-
70	X	X	X	X	X	X	-
75	-	X	X	X	X	X	X
80	X	X	X	X	X	X	X
90	X	X	X	X	X	X	X
100	X	X	X	X	X	X	X
110	-	X	X	X	X	X	X
120	-	X	X	X	X	X	X
130	-	X	X	X	X	X	X
140	-	X	X	-	X	X	X
150	-	X	X	-	X	X	X
160	-	X	X	-	X	X	X
180	-	-	-	-	X	-	X
200	-	-	-	-	X	-	X

"x" denotes stock availability

Dimensions in mm Ref: ISO 7412, DIN 6914-1989

THREAD DIA.	d	M 12	M 16	M 20	(M 22)	M 24	(M 27)	M 30	M 36
PITCH		1.75	2	2.5	2.5	3	3	3.5	4
THREAD LENGTH b	up to 100 mm	21	26	31	32	37	37	40	48
	100 - 200 mm	23	28	33	34	39	39	42	50
c	max.	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8
ds	max.	12.70	16.70	20.84	22.84	27.84	27.84	30.84	37.00
	min.	11.30	15.30	19.16	21.16	26.16	26.16	29.18	35.00
e	min.	22.78	23.91	35.03	39.55	45.20	50.85	55.37	66.44
k	nom.	7.5/8	10	12.5/13	14	15	17	18.7/19	22.5/23
s	max.	21/22	27	32/34	36	41	48	50	60
PROOF LOAD (N)		90,000	130,000	200,000	250,000	292,000	380,000	465,000	550,000

When two dimensions are shown in a block, the second corresponds to DIN 6914-1979

### REFERENCE KEY:

d = Nominal Diameter

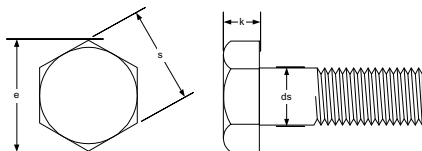
c = Washer Face Thickness

ds = Unthreaded Shoulder Diameter

e = Across Corners of Head

k = Head Height (including washer face)

s = Across Flats



### How to Order

Item #: 6914 10

Size: 16 x 60

Quantity: 100

Tel: 1-888-966-MMCC

Diameters shown in ( ) should be avoided for new design.

Also available in longer lengths and larger diameter - **Please inquire.**

Hexagon Bolt # 6914-10 must be used with the High Strength Oversized Nut # 6915-10 (page 1-136) and

Hardened Washer # 6916 (page 2-235) to guarantee proper clamp load.