

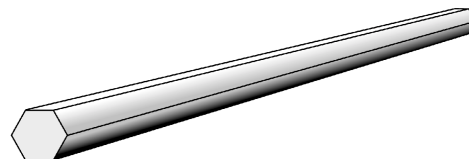
# Section 2

## Non-Threaded Fasteners, Etc.



### HEXAGON ROD # 176

Ref: DIN 176 - Tolerance h11  
 In one, two or three meter lengths ( Approx. 39", 79" or 118")  
 Two materials: Bright drawn  
 Free cutting steel 9s Mn 28 K or Brass (Ms 58 Cu Zn 39 Pb3)



ACROSS FLATS mm	WEIGHT/Meter lbs.	SCREW DIA.	# 176 STEEL	# 176 BR BRASS	ACROSS FLATS mm	WEIGHT/Meter lbs.	SCREW DIA.	# 176 STEEL	# 176 BR BRASS
4	.24	-	x	-	19	5.4	M 12	x	x
5	.37	M 2.5	x	-	22	7.2	-	x	x
6	.54	-	x	-	24	8.6	M 16	x	x
7	.73	M 4	x	x	27	11	M 18	x	x
8	.96	M 5	x	-	30	13.5	M 20	x	x
9	1.2	-	x	-	32	15	M 22	x	x
10	1.5	M 6	x	x	36	19	M 24	x	x
11	1.8	M 7	x	-	41	25	M 27	x	x
12	2.1	-	x	-	46	32	M 30	x	-
13	2.5	M 8	x	x	55	45	M 36	x	-
14	2.9	-	x	x	60	-	M 39	-	x
17	4.3	M 10	x	x					

"x" denotes stock availability

#### DATA FOR STEEL:

Approximate Chemical Composition:

C: 0.14% max. Si: 0.05% max. Mn: 0.90-1.30% P: 0.1% max. S: 0.24-0.32% max.

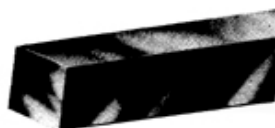
Material: 9 S Mn 28K - # 10715 (Similar to AISI # 1213)

Untreated Tensile Strength:

Across Flats	Tensile Strength N/mm <sup>2</sup>	Hardness HB
Up to 16 mm	380 - 570	170
17 to 63 mm	380 - 570	159

### SQUARE ROD # 178

Ref: DIN 178  
 In one, two or three meter lengths (Approx. 39", 78" or 118")  
 Free cutting steel (9S Mn 28K) - Tolerance h9



ACROSS FLATS mm	WEIGHT/Meter lbs.	ACROSS FLATS mm	WEIGHT/Meter lbs.	ACROSS FLATS mm	WEIGHT/Meter lbs.
4 x 4	.28	12 x 12	2.50	20 x 20	6.90
5 x 5	.43	14 x 14	3.40	25 x 25	10.80
6 x 6	.60	15 x 15	3.90	30 x 30	15.50
7 x 7	.85	16 x 16	4.40	40 x 40	27.70
8 x 8	1.10	18 x 18	5.60	50 x 50	43.00
10 x 10	1.70				

"x" denotes stock availability

#### Approximate Chemical Composition:

C: 0.14% max. Si: 0.05% max. Mn: 0.90-1.30% P: 0.1% max. S: 0.24-0.32% max.

Material: 9 S Mn 28K - # 10715 (Similar to AISI # 1213)

Untreated Tensile Strength:

Across Flats	Tensile Strength N/mm <sup>2</sup>	Hardness HB
Up to 16 x 16 mm	380 - 570	170
18 x 18 & up	380 - 570	159

**How to Order**  
 Item #: 176 BR  
 Size: 27  
 Quantity: 4  
 Tel: 1-888-966-MMCC