

# REINFORCING STEEL BARS

## ASTM A615/A706 CHART FOR REINFORCING STEEL BARS

Bar Size Designation Inch-Pound [Soft Metric]	Nominal Weight lb./ft. (kg/m)	Nominal Dimensions	
		Diameter in. (mm)	Cross Sectional Area in <sup>2</sup> (mm <sup>2</sup> )
#3 [10]	0.376 (.560)	0.375 (9.5)	0.11 (71)
#4 [13]	0.668 (.994)	0.500 (12.7)	0.20 (129)
#5 [16]	1.043 (1.552)	0.625 (15.9)	0.31 (199)
#6 [19]	1.502 (2.235)	0.750 (19.1)	0.44 (284)
#7 [22]	2.044 (3.042)	0.875 (22.2)	0.60 (387)
#8 [25]	2.670 (3.973)	1.000 (25.4)	0.79 (510)
#9 [29]	3.400 (5.060)	1.128 (28.7)	1.00 (645)
#10 [32]	4.303 (6.404)	1.270 (32.3)	1.27 (819)
#11 [36]	5.313 (7.907)	1.410 (35.8)	1.56 (1006)
#14 [43]	7.65 (11.38)	1.693 (43.0)	2.25 (1452)
#18 [57]	13.60 (20.24)	2.257 (57.3)	4.00 (2581)

## CAN/CSA-G30.18-M92 CHART FOR REINFORCING STEEL BARS

Bar Size Designation Metric	Nominal Mass kg/m	Nominal Dimensions		Comparison To A615
		Diameter mm	Cross Sectional Area mm <sup>2</sup>	
10M	0.785	11.3	100	20% < # 4
15M	1.570	16.0	200	SAME AS # 5
20M	2.355	19.5	300	6.8% > # 6
25M	3.925	25.2	500	1.3% < # 8
30M	5.495	29.9	700	9% > # 9
35M	7.850	35.7	1000	0.6% < # 11
45M	11.775	43.7	1500	3.5% > # 14
55M	19.625	56.4	2500	3% < # 18

### UNIT CONVERSIONS

kilogram (kg) = 2.2046 lb.	1 kilogram/meter (kg/m) = .6719 lb./ft.
1 millimeter (mm) = .03937 in.	1 metric/ton = 1000 kg = 2204.6 lb
1 meter (m) = 3.281 ft.	1 megapascal (MPa) = 1 Newton/mm <sup>2</sup> = 145.03 psi
1 square millimeter (mm <sup>2</sup> ) = .00155 in. <sup>2</sup>	

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 CADWELD® LENTON® QUICK WEDGE  
 LENTON® FORM SAVER LENTON® SPEED SLEEVE