

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

ERICO® Products: LENTON®                      LENTON® INTERLOK  
                          CADWELD®                              LENTON® QUICK WEDGE  
                          LENTON® FORM SAVER                      LENTON® SPEED SLEEVE