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ASTM STANDARD REINFORCING BARS

SOFT METRIC SIZE DESIGNATION	MASS KG/M	NOMINAL DIAMETER (mm)	INCH POUND SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIAMETER (in.)
#10	0.560	9.5	#3	.376	0.375
#13	0.994	12.7	#4	.668	0.500
#16	1.552	15.9	#5	1.043	0.625
#19	2.235	19.1	#6	1.502	0.750
#22	3.042	22.2	#7	2.044	0.875
#25	3.973	25.4	#8	2.670	1.000
#29	5.060	28.7	#9	3.400	1.128
#32	6.404	32.3	#10	4.303	1.270
#36	7.907	35.8	#11	5.313	1.410
#43	11.38	43.0	#14	7.65	1.693
#57	20.24	57.3	#18	13.60	2.257

Sizes #43 and #57 are large bars generally not carried in regular stock. These sizes available only by arrangement with your supplier.

REINFORCING BAR SPECIFICATIONS

U.S. standard specifications for reinforcing bars are established by the American Society for Testing and Materials (ASTM). These standards govern strength grades, rib patterns, sizes, and markings of bars. Reinforcing bars are produced from three kinds of steel — billet, axle, or rail — in three grades of useful (yield) strengths. The yield strength of a bar is its useful strength.

A615M—Billet steel deformed bars
 Grade 300 - Sizes #10-#19
 Grade 420 - Sizes #10-#57
 Grade 520 - Sizes #19-#57

A616M—Rail steel deformed bars
 Grade 350 - Sizes #10-#36
 Grade 420 - Sizes #10-#36

A617M—Axle steel deformed bars
 Grade 300 - Sizes #10-#36
 Grade 420 - Sizes #10-#36