AR TOOLS & MACHINERY

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Rebar Sizes and Dimensions

old bar size	"soft" Metric size	Weight in pounds per foot	nominal diameter in inches (not including the deformations)
#3	#10	0.376	0.375, that is, 3/8
#4	#13	0.668	0.500, that is, 4/8
#5	#16	1.043	0.625
#6	#19	1.502	0.750, that is, 6/8
#7	#22	2.044	0.875
#8	#25	2.670	1.000, that is, 8/8
#9	#29	3.400	1.128
#10	#32	4.303	1.270
#11	#36	5.313	1.410
#14	#43	7.650	1.693
#18	#57	13.60	2.257

The original rebar sizes, from 1910 to 1995

The size designations were based, at least through #8 bar, on the diameter in eighths of an inch of a plain round bar having the same weight per foot as the deformed bar.

Specifications require that the producer roll into the bar:

- A letter or symbol identifying the mill that produced the bar.
- The bar size.
- A symbol indicating the type of steel. N for example, means the bar was rolled from a new billet.
- If the bar is grade 60, a mark indicating it is grade 60. Two styles of marking the grade are used.
    - In the continuous-line system, grade 60 bars have a line running the length of the bar; grades 40 and 50 do not.
    - In the number system, the number “60” is actually rolled onto the bar, below the mark for the type of steel.