

Hot-rolled deformed reinforcing bar with a "W" corrugation pattern. Listed to ASTM A615/A615M Grade 60 and the equivalent NMX-B-506 Grade 42. Product data sheet and Environmental Product Declaration (EPD) published by the mill.

Rebar sizes, ASTM designation (inch-pound)

Bar No.	Nominal diameter (in)	Nominal diameter (mm)	Nominal area (in ²)	Nominal weight (lb/ft)
3	3/8	9.5	0.11	0.376
4	1/2	12.7	0.20	0.668
5	5/8	15.9	0.31	1.043
6	3/4	19.1	0.44	1.502
8	1	25.4	0.79	2.670
10	1 1/4	32.3	1.27	4.303

Rebar sizes, NMX designation (metric)

Bar No.	Nominal diameter (in)	Nominal diameter (mm)	Nominal area (cm ²)	Nominal mass (kg/m)
3	3/8	9.5	0.71	0.560
4	1/2	12.7	1.27	0.994
5	5/8	15.9	1.98	1.552
6	3/4	19.0	2.85	2.235
8	1	25.4	5.07	3.973
10	1 1/4	31.8	7.94	6.225
12	1 1/2	38.1	11.40	8.938

Bar No. 12 (1 1/2", 38.1 mm) appears in the metric (NMX) table only.

Mechanical properties (minimums as published)

Property	NMX Grade 42	ASTM Grade 60
Minimum yield strength	4,200 kg/cm ²	60,000 psi
Minimum tensile strength	6,300 kg/cm ²	90,000 psi
Elongation in 20 cm, bar Nos. 3, 4, 5 and 6	9 %	9 %
Elongation in 20 cm, bar No. 8	8 %	8 %
Elongation in 20 cm, bar Nos. 10 and 12	7 %	7 %

Presentations

Presentation	Lengths listed
Straight or folded	9.15 m and 12.00 m
Straight, from coil	20, 40 and 60 ft

Presentations vary by bar size. Confirm the presentation and length for each size when you request a quote.

Typical uses

Piles, Floors and slabs, Columns and beams, Walls and ring beams, Fabricated structures, Tunnels, Pavements, Bridges, Channels.

About this sheet. Compiled by Tas & Zaz from the data published by the mill we represent (accessed October 2026). The mill's current documentation and your written quote prevail; final product selection is the responsibility of your engineer or specifier.

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