



REBAR

NMX-B-506,
ASTM-A615M y ASTM-A706M



The rebar manufactured by GRUPO ACERERO meets the highest quality, attached to Mexican standard NMX-B-506-CANACERO-2019, and USA standard ASTM-A615M and ASTM-A706M.

Special rod orders to different chemical and physical characteristics (weldability, ductility, diameter and length, among others) based on our markets' requirements are also manufactured.

► Nominal Dimensions NMX-B-506

Bar Designation No.	Size	Diameter		Cross-Sectional Area		Nominal Weight	
		in	mm	in ²	mm ²	lb/ft	kg/m
3	3/8"	0.375	9.5	0.11	71	0.376	0.560
4	1/2"	0.500	12.7	0.20	127	0.668	0.994
5	5/8"	0.625	15.9	0.31	198	1.043	1.552
6	3/4"	0.750	19.0	0.44	285	1.502	2.235
8	1"	1.000	25.4	0.79	507	2.670	3.973
10	1" 1/4	1.270	31.8	1.27	794	4.303	6.225
12	1" 1/2	1.500	38.1	1.76	1140	6.464	8.938

► Tensile Requirements NMX-B-506

Bar Designation No.	Tensile Strength, min kg/cm ²	Yield Strength, min kg/cm ²	Elongation in 200 mm, min, %
3, 4, 5, 6	6,300 kg/cm ²	4,200 kg/cm ²	9
8			8
10,12			7

► Bend Test Requirements

Bar Designation No.	Grade 60 (42)
3, 4, 5	3 1/2 d
6, 8	5 d
10	6d
12	8d

Nominal Dimension ASTM A706/A706 M

Bar Designation No.	Size	Diameter		Cross-Sectional Area		Nominal Weight	
		in	mm	in ²	mm ²	lb/ft	kg/m
4	1/2"	0.500	12.7	0.20	127	0.668	0.994
5	5/8"	0.625	15.9	0.31	199	1.043	1.552
6	3/4"	0.750	19.1	0.44	284	1.502	2.235
8	1"	1.000	25.4	0.79	510	2.670	3.973
10	1" 1/4	1.270	32.3	1.27	819	4.303	6.404

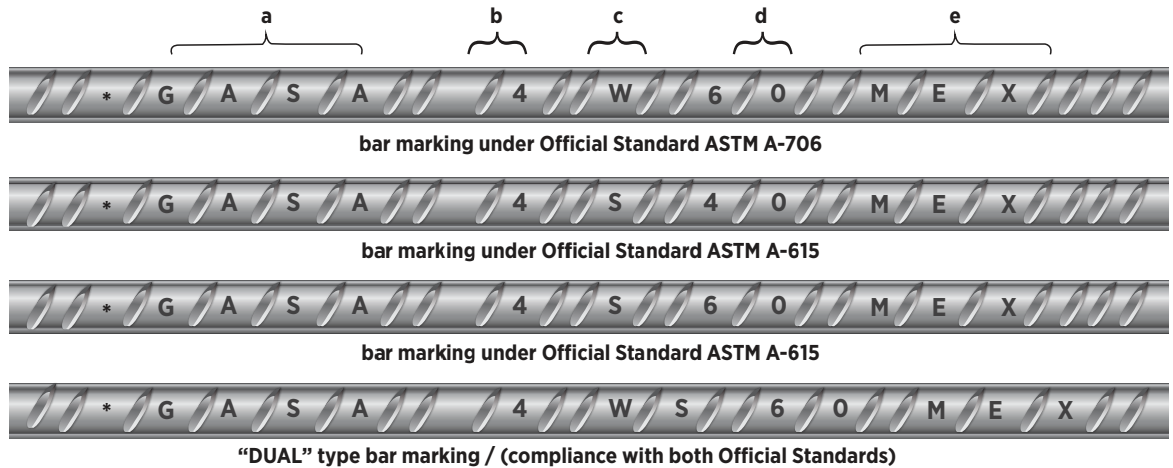
Tensile Requirements ASTM A 706/A706 M

Bar Designation No.	Tensile Strength, min, psi [Mpa]	Yield Strength, min, psi [Mpa]	Yield Strength, max, psi [Mpa]	Elongation in 200 mm, min, %
4, 5, 6	80 000 [550]	60 000 [420]	78 000 [540]	14
8,10				12

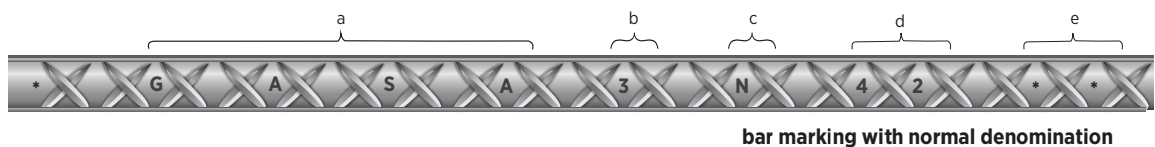
Bend Test Requirements ASTM A 706/A706 M

Bar Designation No.	Grade 60 (42)
4, 5	3 d
6, 8	4 d
10	6d

Marking



a	POINT OF ORIGIN	GASA	c	DESIGNATION OF THE STANDARD (ASTM A-706)	W
b	BAR DESIGNATION NO.	3,4,5,6,8,10,12	c	DESIGNATION OF THE STANDARD (ASTM A-615)	S
c	DESIGNATION OF THE STANDARD (NMX-B-506-CANACERO-2019)	N	c	DESIGNATION OF THE STANDARD (ASTM A-706 /ASTM A-615)	WS
			d	BAR GRADE IDENTIFICATION	42, 52, 60
			e)	Denomination of the country of origin "Mexico"	



▶ Packaging specifications straight and bent rebar

Diameter (inches)	Presentation	Length	Rods per ton (depending on length)
3/8"	Bent	12.0 m	149 a 154
3/8"	Straight	12.0 m	149 a 154
3/8"	Straight	9.00m	199 a 207
3/8"	Straight	9.15 m	196 a 204
1/2"	Bent	12.0 m	84 a 86
1/2"	Straight	12.0 m	84 a 86
1/2"	Straight	9.00m	111 a 115
1/2"	Straight	9.15.m	110 a 113
5/8"	Straight	12.0m	53 a 55
3/4"	Straight	12.0m	37 a 38
1"	Straight	12.0m	21
1" 1/4	Straight	12.0m	13
1" 1/2	Straight	12.0m	9

NOTE: Cut to order based on customer needs (special lengths). Various corrugation types according to end consumer needs available.

▶ Packaging specifications coil rebar

Bar Designation No.	Diameter mm	Weight lbs (kg)	Internal Diameter	Diámetro Externo	Largo m
3	9.5	2,400 kg. aprox	3' to 3'2" (0.91 - 0.97 m)	3'9" to 4' (1.14 - 1.22 m)	4.82 ft - 5.90 ft (1.47 a 1.80 m)
4	12.7				
5	15.9				

These products earn the following LEED® credits thanks to regional, recycled material content



LEED® v4

Prerequisite MRp:

Construction and demolition waste management planning.

• **Credit M12:**Construction Waste Management.

• **Building Product disclosure:**

- Material ingredients
- Sourcing of raw materials

• **MCR2:** Construction Waste Management.

• **MRC4:** Recycled Content.

• **MRC5:** Reegional Materials.