



REBAR



The rebar manufactured by GRUPO ACERERO meets the highest quality standards, complying with Mexican standards **NMX-B-506-CANACERO-2019** and **NMX-B-457-CANACERO-2019**, as well as U.S. standards **ASTM- A615M** and **ASTM A706M**.

In addition, we manufacture custom products with different physical and chemical properties to meet market requirements, including weldability, ductility, diameters and lengths.

► Nominal Dimensions NMX-B-506-CANACERO-2019

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-CANACERO-2019

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

► Mandrel Diameter for Bend Testing NMX-B-506-CANACERO-2019

Bar Designation No.	Grade 60 (42)
3, 4, 5	3 1/2 d
6, 8	5 d
10	7d
12	8d



► Nominal Dimensions NMX-B-457-CANACERO-2019

Bar Designation No.	Size	Diameter		Cross-Sectional Area		Nominal Weight	
		in	mm ²	in ²	mm ²	lb/ft	kg/m
3	3/8"	0.374	9.5	0.110	71	0.376	0.560
4	1/2"	0.500	12.7	0.197	127	0.668	0.994
5	5/8"	0.626	15.9	0.307	198	1.043	1.552
6	3/4"	0.750	19.0	0.442	285	1.502	2.235
8	1"	1.000	25.4	0.786	507	2.670	3.973
10	1" 1/4	1.252	31.8	1.231	794	4.303	6.225
12	1" 1/2	1.500	28.1	1.767	1140	6.464	8.938

► Tensile Requirements NMX-B-457-CANACERO-2019

Bar Designation No.	Tensile Strength, min.kg/cm ² (Mpa)	Yield Strength min. kg/mm ² (Mpa)	
		min	max
3,4,5,6, 8,10,12	70.3 (690)	56.0 (550)	68.8 (675)
Bar Designation No.		Elongation in 200 mm, min. %	
3,4,5,6, 8,10,12		12	

► Mandrel Diameter for Bend Testing NMX-B-457 CANACERO-2019

Bar Designation No.	Grade 56 (550)
3,4,5	3.5 d
6, 8	5 d
10, 12	7 d

► Markig NMX-B-457-CANACERO-2019





Nominal Dimension ASTM-A615M and ASTM-A706M

Bar Designation No.	Size	Diameter		Cross-Sectional Area		Nominal Weight	
		in	mm ²	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-A615M and ASTM-A706M

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

Band Test Requirements ASTM-A615M and ASTM-A706M

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

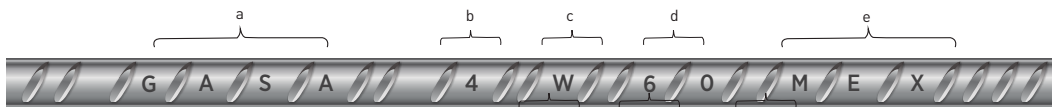
Marking



Bar Marking with normal denomination

a	POINT OF ORIGIN	GASA
b	BAR DESIGNATION No.	3,4,5,6,8,10,12
c	DESIGNATION OF THE STANDARD (NMX-B-506-CANACERO-2019)	N

	DESIGNATION OF THE STANDARD (ASTM A-706)	W
c	DESIGNATION OF THE STANDARD (ASTM A-615)	S
	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 "MÉXICO"	



Bar marking under Official Standard ASTM A-706



Bar marking under Official Standard ASTM A-615



Bar marking under Official Standard ASTM A-615



Bar marking under Official Standard ASTM A-615



"DUAL" type bar marking /(compliance with both Official Standards)



► Packaging specifications straight and bent rebar

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

NOTE: Custom cut-to-length according to customer requirements (special lengths). Two corrugation types available depending on the consumer's needs.

► Packaging specifications coil rebar

Bar Designation No.	Diameter mm	Weight kg	Internal Diameter m	External Diameter m	Length m
3	9.5				
4	12.7	2,300 kg. aprox	0.91 - 0.99	1.15 - 1.20	1.80 - 1.98
5	15.9				

Through their regional and recycled material content, these products may contribute toward earning the following LEED® credits:



**LEED® v4
Requirements:**

- MRc2: Construction Waste Management.
- MRc4: Recycled Content.
- MRc5: Regional Materials.



Grupo Acerero holds an Environmental Product Declaration (EPD) for Reinforcing Bar, in accordance with ISO 14025 and EN 15804:2012+A2:2019.
<https://www.environdec.com/>