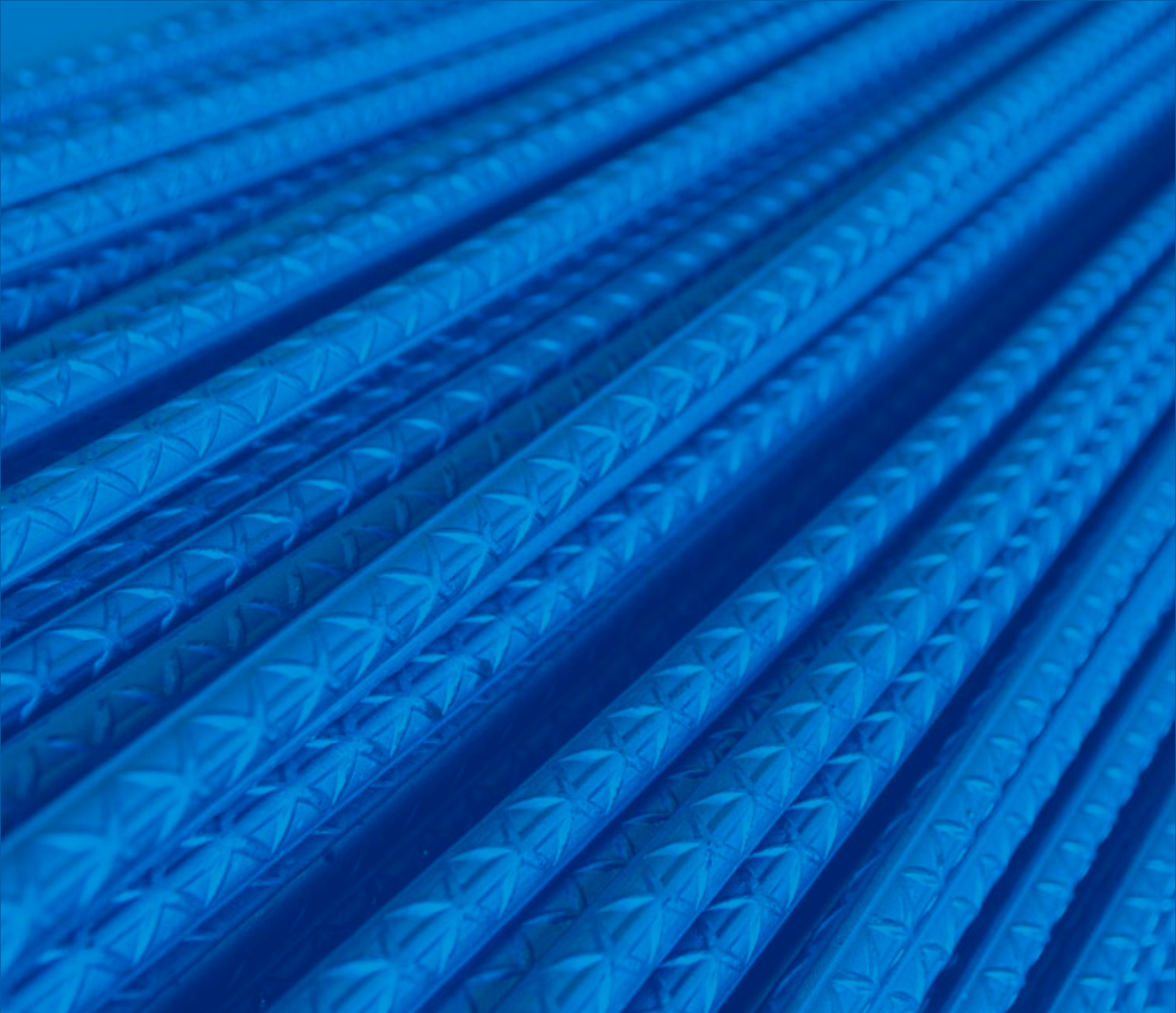


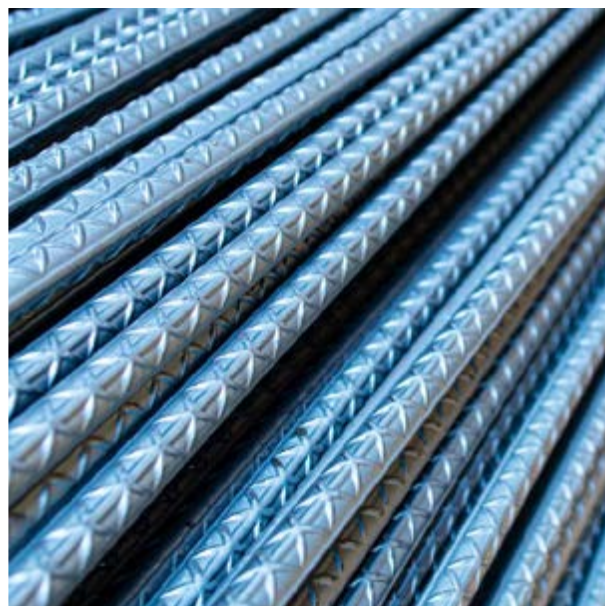


CORRUGATED REBAR

CORRUGATED REBAR GRADE 42 AND 52

At TYASA, we manufacture corrugated rebar under the brand names TA 42 and TA 52, utilizing cutting-edge and sustainable technology in the city of Ixtaczoquitán, Veracruz. Our process starts from the selection of raw materials to the final product, granting us complete control over the factors involved in production.

TYASA rebar complies with the International Standard ASTM-A-615-G-60 and the Mexican Standard NMX-B506-CANACERO-2019, as required by the country's construction regulations.



VARILLA TA 42 y 52
THE SUPPORT YOUR CONSTRUCTION NEEDS.

IDENTIFY OUR REBAR



TYASA brand identifier

Rebar
diameter

The product
complies
with the norm

Rebar carbon
grade

TECHNICAL DATA SHEET

Gauge		Number Designation	Mass kg/m	Length m	Presentation		Pieces approximate per ton
mm	inch				Bent	Straight	
9.5	3/8"	3	0.560	12	✓	✓	150
12.7	1/2"	4	0.994	12	✓	✓	84
15.9	5/8"	5	1.552	12	✓	✓	53
19	3/4"	6	2.235	12	✓	✓	37
22.2	7/8" *	7	3.042	12	✓	✓	27
25.4	1"	8	3.973	12	✓	✓	21
28.6	1 1/8" *	9	5.033	12	-	✓	16
31.8	1 1/4"	10	6.225	12	-	✓	13
34.9	1 3/8" *	11	7.503	12	-	✓	11
38.1	1 1/2"	12	8.938	12	-	✓	9

MECHANICAL TENSION PROPERTIES

Gauge	Yield Strength (min)		Tensile strength (min)		% elongation (at 200 mm)	
	Grade 42	Grade 52	Grade 42	Grade 52	Grade 42	Grade 52
3/8", 1/2", 5/8", 3/4"	42 kg/mm ²	52 kg/mm ²	63 kg/mm ²	72 kg/mm ²	9%	7%
7/8"*, 1"	42 kg/mm ²	52 kg/mm ²	63 kg/mm ²	72 kg/mm ²	8%	7%
1 1/8", 1 1/4", 1 3/8"*, 1 1/2"	42 kg/mm ²	52 kg/mm ²	63 kg/mm ²	72 kg/mm ²	7%	6%

MECHANICAL BENDING PROPERTIES

Gauge	Mandrel diameter	
	Grade 42	Grade 52
3/8", 1/2", 5/8"	3.5 d	5 d
3/4", 7/8", 1"	5 d	5 d
1 1/8", 1 1/4", 1 3/8	7 d	7 d
1 1/2"	8 d	8 d

BENDING TEST CONDITIONS

- Conduct the test at room temperature (minimum 16°C).
- Bend to 180°.
- Always keep the mandrel in contact with the rebar during bending.
- Apply a continuous and uniform force.

PRESENTATION

Straight or bent.

SECTOR

Construction.

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