

## Technical Data

# Mateenbar™ 60

### Mateenbar™ 60 (ASTM D8505, CSA S807, GIII)

	Units	#2 (6mm)	#3 (10mm)	#4 (13mm)	#5 (15/16mm)	#6 (19/20mm)	#7 (22mm)	#8 (25mm)	#9 (30mm)	#10 (32mm)
Guaranteed tensile force	kN	27	71	129	199	284	387	510	600	735
	kip	7.2	16.0	29.0	44.0	64.0	87.0	115.0	134.9	165.2
Elastic Modulus	GPa	60								
	ksi	8700								
Guaranteed transverse shear capacity	MPa	180								
	ksi	26.1								
Weight	g/m	97	185	315	476	702	960	1252	1575	2050
	lb/ft	0.07	0.12	0.21	0.32	0.47	0.64	0.84	1.06	1.37
Nominal cross-sectional area	mm <sup>2</sup>	32	71	129	199	284	387	510	645	819
	in <sup>2</sup>	0.049	0.110	0.200	0.310	0.440	0.600	0.790	1.000	1.270
Outer diameter (including ribs)	mm	8.2	10.8	14.0	17.2	20.6	24.1	27.4	30.8	35.0
	in	0.315	0.425	0.551	0.677	0.807	0.949	1.087	1.213	1.378
Primary Materials	Epoxy Backboned Vynylester and Corrosion Resistant E-CR Glass									

Please contact our team for information on the material properties, shape availability and dimensional limitations of bent bars.

## Code-Approved and Proven Performance

### MATERIAL STANDARDS

Mateenbar™ 60 complies with ASTM D8505 and CSA S807 material standards.

### RESIDENTIAL CONCRETE

Mateenbar™ 60 can be used in residential concrete, including footings and foundation walls, as prescribed in ICC-EER 4593, or as designed using ACI 332 and ACI 440 design methodology.

### COMMERCIAL CONCRETE

Mateenbar™ 60 can be used in commercial concrete design using concrete code ACI 440.11-22 and ICC-ESR 4593.

### MASONRY

Mateenbar™ 60 can be used with TMS 402/602-22 Appendix D as reinforcing for masonry walls.

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