

V•ROD 60

COMPLIES WITH ICC-ES

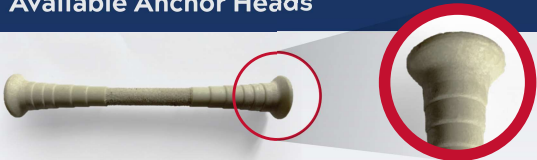
GLASS FIBER REINFORCED POLYMER (GFRP) REBAR

REVISION: February, 2025

Product Data Sheet - V•ROD 60

		#2 (6 M)	#3 (10 M)	#4 (12 M)	#5 (15 M)	#6 (20 M)	#7 (22 M)	#8 (25 M)	#9 (30 M)	#10 (32 M)
Guaranteed tensile strength* (ASTM D7205)	MPa	1100	1100	1100	1100	1100	1100	1100	1000	1000
	ksi	159.5	159.5	159.5	159.5	159.5	159.5	159.5	145	145
Minimum tensile modulus (ASTM D7205)	GPa	60								
	ksi	8702.3								
Guaranteed transverse shear capacity (ASTM D7617)	MPa	180								
	ksi	26.1								
Resin		vinylester								
Weight	g/m	78	175	310	442	633	863	1127	1426	1761
	lb/ft	0.052	0.118	0.208	0.297	0.425	0.58	0.757	0.958	1.183
Effective cross-sectional area** (including sand coating) (CSA S806 Annex A)	mm ²	37.2	83.8	145	232.9	326.8	438.2	572.3	724.3	894
	in ²	0.058	0.130	0.225	0.361	0.507	0.679	0.887	1.123	1.386
Effective diameter	mm	6.9	10.33	13.59	17.22	20.39	23.6	26.99	30.4	33.7
	in	0.272	0.407	0.535	0.678	0.803	0.929	1.063	1.197	1.327
Nominal cross-sectional area (CSA S807 Table 1)	mm ²	32	71	129	199	284	387	510	645	819
	in ²	0.049	0.110	0.2	0.31	0.440	0.6	0.790	1	1.27

Available Anchor Heads



		#4 GFRP	#5 GFRP	#6 GFRP
Minimum pull-out strength	kN	80	100	120
	kips	18	22	26.5

Please refer to the V-ROD 60 data sheet for the properties of the bars.
Product homologated for use in TL-5/PL-3 barriers.

COMPLIES WITH THE FOLLOWING STANDARDS:

- CSA S807-19
- ASTM D7957-22
- ASTM D8505-23
- GRADE III MTO

* The nominal guaranteed tensile strength must not be used to calculate the strength of the bent portion of a bent bar. Instead use the minimum guaranteed tensile strength found in the technical data sheet of bent V•ROD bars.

** Please contact us for dowelling applications.

Development and splice length are available upon request but should be determined by the design engineer.

The guaranteed value presented in this document is the mean value minus 3 times the standard deviation.

It is the responsibility of the design engineers to contact the bar manufacturer to get the latest updates of this technical data sheet (also available at www.fiberglassrebar.com). For any additional technical results or literature, please contact us.

V•ROD

700, 9^e Rue Nord,
Thetford Mines (Quebec)
CANADA G6G 6Z5
sales@fiberglassrebar.com

Phone: **418-335-3202**

Fax: **418-335-5117**

www.fiberglassrebar.com

FRP
INSTITUTE