Dowels

100+ Years Concrete Reinforcement

Ultimate Corrosion Solution

APPLICATIONS

- Highways
- Jointed Pavement
- LRT Projects
- Tunneling
- Dams and Marine Applications

ARP uses the highest quality corrosion resistant vinyl ester resin and E-CR fiberglass materials.

- **Custom lengths**

100+ Years Sustainability

- Zero Maintenance
- ¼ The Weight of Steel
- Non-Magnetic
- Non-Conductive
- Thermal Insulation

ISO 9001 · ISO 14001 · ISO 45001

ARP GFRP Dowels

Product Data Sheet: ARP GFRP Dowels

Aug. 2024

	Units	#8	#9	#10	#11	#12
	mm	25.4	28.8	31.8	34.9	38.1
	inch	1	1-1/8	1-1/4	1-3/8	1-1/2
Fiber Type		E-CR glass				
Resin Type		Vinyl ester				
Fiber Content	% weight	> 80%				
Transverse Shear Strength (ASTM D7617)	MPa	170				
	ksi	24.6				
Water Absorption (ASTM D570, 24 h)	%	0.20				
Weight	g/m	1190	1518	1711	2051	2574
	lb/ft	0.84	1.02	1.15	1.376	1.73
Effective Cross-Sectional Area (Including Coating) (CSA S807)	mm^2	608	705	870	1054	1271
	$inch^2$	0.862	1.093	1.349	1.634	1.944
Nominal Cross-Sectional Area (CSA S807)	mm^2	510	641	819	958	1140
	$inch^2$	0.791	0.993	1.269	1.491	1.767

شركة قضبان بديلة للصناعة
ALTERNATIVE REBAR PLANT

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