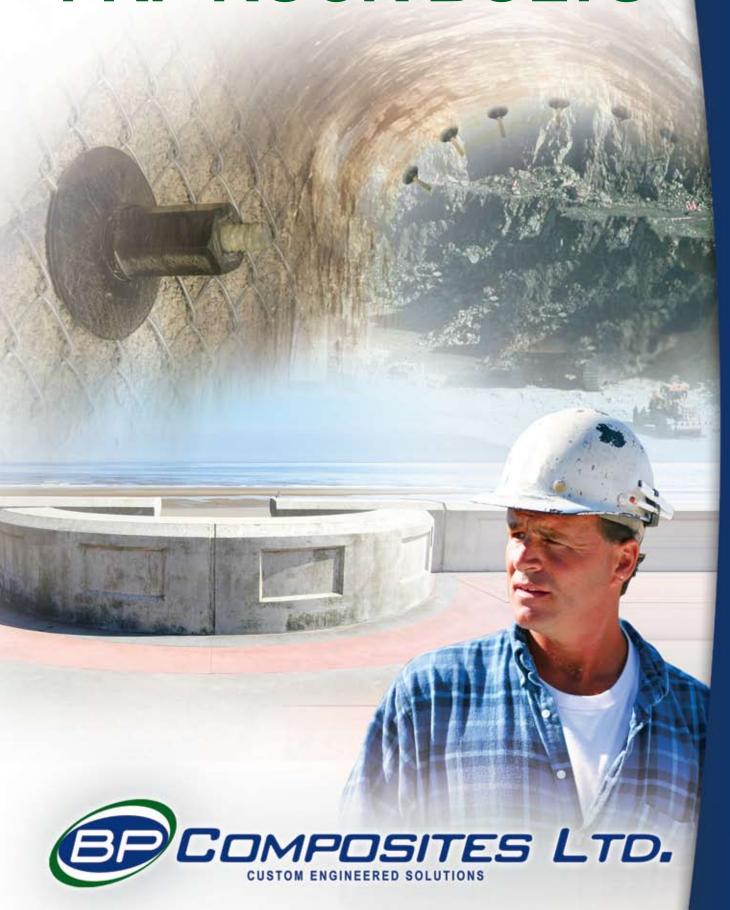
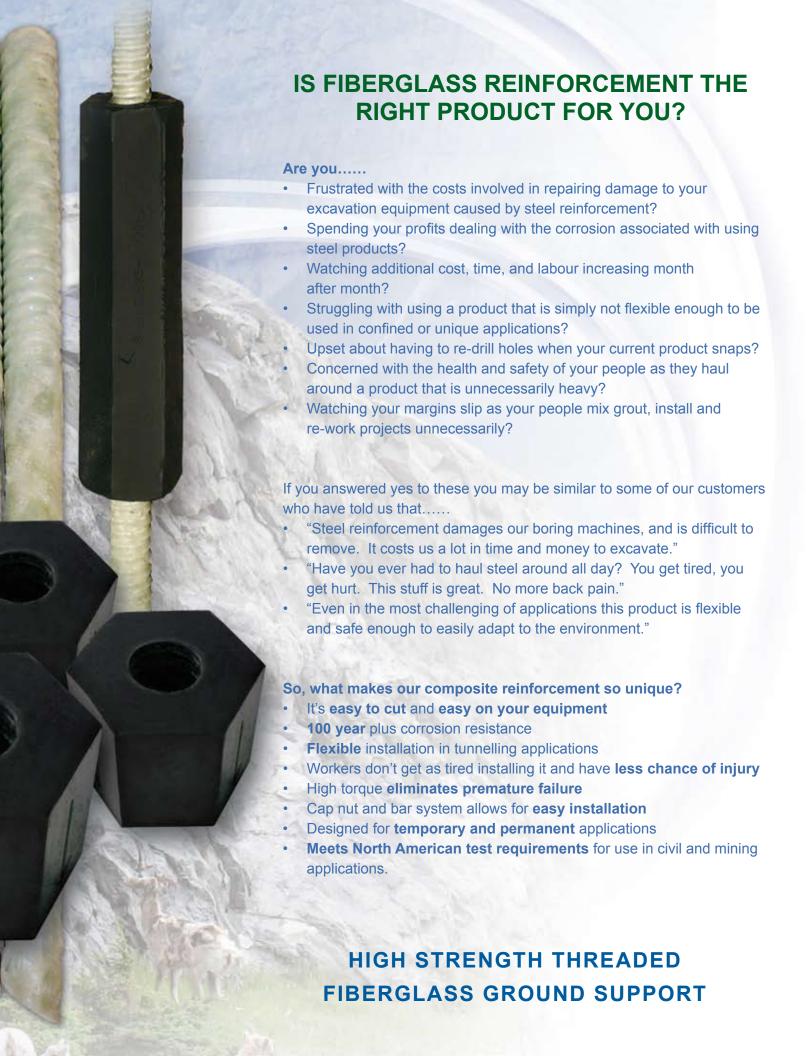
FRP ROCK BOLTS







SPECIFICATIONS & PROPERTIES

THREADED BAR

THREADED BAR				
Nominal diameter	22	mm	0.875	in
Cross-Sectional Area	337	mm²	0.522	in ²
Ultimate Tensile Stress	799	Мра	115.9	ksi
Ultimate Tensile Strength	269.3	kN	60.54	kips
Ultimate Shear Stress	379	MPa	55.0	ksi
Ultimate Shear Strength	127.7	kN	28.7	kips
Bond Stress	14.0	MPa	2.0	ksi
Ultimate Elongation	1.95	%	1.95	%
Nominal Weight	0.63	kg/m	0.423	lbs/ft
ROUGH BAR				
Nominal Diameter	23	mm	0.9	in
Cross-Sectional Area	341	mm ²	0.529	in ²
Ultimate Tensile Stress	902	Мра	130.8	ksi
Ultimate Tensile Strength	307.6	kN	69.2	kips
Ultimate Shear Stress	345	MPa	50.0	ksi
Ultimate Shear Strength	117.6	kN	26.4	kips
Bond Stress	13.2	MPa	1.9	ksi
Ultimate Elongation	2.07	%	2.07	%
Nominal Weight	0.63	kg/m	0.423	lbs/ft
4" CAP NUT				
Strength	120	kN	26.9	kips
Torque Limit	40	ft/lbs		
4" FLAT NUT				
Strength	120	kN	26.9	kips
2" NUT				
Strength	55	kN	12.3	kips

- Independent testing performed by University of Sherbrooke in accordance with ISIS Product Certification of FRP Materials guidelines
 - Independent testing performed by Intertek Testing Services NA Ltd. according to ACI 440.3R-04 and ASTM D 3916-02.
 - · Other sizes and configurations are available upon request.



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