

DYWIDAG-Systems International Pty Ltd

Bennetts Green, NSW, Australia
Tel.: 02 4947 5512 Fax: 02 4947 5580



The DSI glass fiber reinforced plastic fully threaded, Threadbar, is a composite material composed of high performance resins and high strength glass fiber. It is supplemented with an array of various additives, which are then processed using very specific technology.

DYWI GRIP

	Solid Bar		Hollow Bar		
Minimum Ultimate Grade (MPa)	1000	960	1000	1000	
Minimum Shear Yield Grade (MPa)	460	395	460	400	
Nominal Diameter (mm)	25	32	25	32	
Minimum Breaking Load (kN)	350	560	250	350	
Minimum Shear Load @ 90° (kN)	160	230	120	140	
Average Cross-Sectional Area (mm²)	346	580	230	340	
Strain at Failure (%)	2.5	2.5	2.5	2.5	
E - Modulus (GPa)	40	40	40	40	
Unit Weight (kg/m)	0.90	1.30	0.69	1.04	
GFRP Nut	L (mm)	70	80	80	100
	Capacity (kN)	70	90	100	90
Steel Nut: L=100mm	Capacity (kN)	180	280	-	-
Steel Nut: L=150mm	Capacity (kN)	240	320	-	-
Steel Nut: L=200mm	Capacity (kN)	260	400	-	-
Steel Coupler: L=200mm	Capacity (kN)	180	280	-	-

Typical applications: Temporary/Permanent soil nails, rock bolts and tunnel face bolts.

Specifications: Left hand rope thread. Maximum single length available: 11.8m.

Accessories:

GFRP & Steel - nuts and plates
Grout tube
Centralizers
Drill bits

Notes

- 1) Please contact DSI for technical assistance.
- 2) 20 & 38mm solid bar also available upon request.

Email: Civilsales@dywidag.com.au

Telephone: 02 49 48 90 99