

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		
	1000	1000	960	900	1000	1000	
Minimum Ultimate Grade (MPa)	1000	1000	960	900	1000	1000	
Minimum Shear Yield Grade (MPa)	460	460	395	350	460	400	
Nominal Diameter (mm)	20	25	32	38	25	32	
Minimum Breaking Load (kN)	190	350	560	750	250	350	
Minimum Shear Load @ 90° (kN)	90	160	230	290	120	140	
Average Cross-Sectional Area (mm²)	186	346	580	830	230	340	
Strain at Failure (%)	2.5	2.5	2.5	2.0	2.5	2.5	
minimum E - Modulus (GPa)	40	40	40 - 60	40	40	40	
Unit Weight (kg/m)	0.56	0.90	1.30	2.05	0.69	1.04	
GFRP Nut	L (mm)	70	80	100	100	80	100
	Capacity (kN)	70	70	90	90	100	90
GFRP Round plate, meets capacity of GFRP nut	D (mm)	170	170 or 200	170 or 200	200	170 or 200	
	H (mm)	34	34 or 46	34 or 46	46	34 or 46	
	Capacity (kN)	70	70	90	90	70	90
Steel Nut: L=100mm	Capacity (kN)	-	180	280	300	-	-
Steel Nut: L=150mm	Capacity (kN)	-	240	320	400	-	-
Steel Nut: L=200mm	Capacity (kN)	-	260	400	460	-	-
Steel Coupler: L=200mm	Capacity (kN)	90	180	280	290	-	-
Steel domeplates that meet capacity of steel nut, upon request available as cross over from other DSI systems							

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 DYWIDAG for technical assistance.
- 2) 20 & 38mm solid bar not stocked in Australia, available upon request.

Email: civilenquiries@dywidag-systems.com.au

Telephone: +61 2 4081 5500