

The DYWIDAG THREADBAR is a steel bar with continuous coarse threads hot rolled on two opposite sides. The continuous threads allow for anchorage and coupler installation anywhere along the bar. The coarse threads provide excellent bond to grout and are insensitive to dirt and damage. In addition, there is no loss of strength due to thread cutting.

Reinforcing Threadbar GEWI Grade - left hand thread

Minimum Ultimate Grade (MPa)	550	550	600	550	550	550	550	550	550	700	700	550
Minimum Yield Grade (MPa)	500	500	500	500	500	500	500	500	500	555	555	500
Nominal Diameter (mm)	12	16	20	25	28	32	36	40	50	57.5	63.5	75.0
Minimum Breaking Load (kN)	62	111	188	270	339	442	560	691	1080	1818	2217	2430
Minimum Yield Load (kN)	57	101	157	245	308	402	509	628	982	1298	1758	2209
Cross-section Area (mm²)	113	201	314	491	616	804	1018	1257	1964	2597	3167	4418
Unit Weight (kg/m)	0.89	1.58	2.47	3.85	4.83	6.31	7.99	9.86	15.41	20.38	24.86	34.68
Diameter stocked in Australia	no	yes	yes	yes	yes	yes	no	yes	yes	no	yes	no

Reinforcing Threadbar GEWI + Grade - right hand thread

Minimum Ultimate Grade (MPa)	800	800	800	800	800	800	800	800	800	800	800	800
Minimum Yield Grade (MPa)	670	670	670	670	670	670	670	670	670	670	670	670
Nominal Diameter (mm)	18	22	25	28	30	35	43	50	57.5	63.5	75.0	
Minimum Breaking Load (kN)	204	304	393	496	565	770	1162	1570	2077	2534	3535	
Minimum Yield Load (kN)	170	255	329	413	474	645	973	1315	1740	2122	2960	
Cross-section Area (mm²)	254	380	491	616	707	962	1452	1963	2591	3167	4418	
Unit Weight (kg/m)	2.00	2.98	3.85	4.83	5.55	7.55	11.40	15.40	20.38	24.86	34.68	
Diameter stocked in Australia	no	yes	no	no	no	yes	yes	no	no	no	no	

Post-Tensioning Threadbar WR and E Grade - right hand thread (and Z bar 15 and 20 mm)

Minimum Ultimate Grade (MPa)	1080	1100	1050	1050	1050	1050	1050	1035	1035	1035
Minimum Yield Grade (MPa)	890	900	950	950	950	950	950	835	835	835
Nominal Diameter (mm)	15	20	26.5	32	36	40	47	57	65	75
Minimum Breaking Load (kN)	191	346	579	844	1069	1319	1822	2671	3434	4573
Minimum Yield Load (kN)	157	283	524	764	967	1194	1648	2155	2771	3689
Cross-section Area (mm²)	177	314	552	804	1018	1257	1735	2581	3318	4418
Unit Weight (kg/m)	1.44	2.55	4.48	6.53	8.27	10.21	14.10	20.97	26.96	35.89
Diameter stocked in Australia	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Notes:

- 1) GEWI, GEWI+ and WR/E Threadbar is certified by the Australasian Certification Authority for Reinforcing and Structural Steels (ACRS).
- 2) Threadbar can be supplied as black steel finish, hot dipped galvanized as per AS 4680, Thermal diffused galvanized as per ASTM A1059 / A1059M - 08(2013) - maximum 3m lths and Double Corrosion Protected (DCP), this consists of factory grouting inside a PVC sheathing.
- 3) Threadbar comes in a maximum length of 11.8m.
- 4) DYWIDAG stock an array of accessories for each Threadbar.