


DYWIDAG THREADBAR® - TECHNICAL DATA [METRIC UNITS]

May 16, 2011

Steel Grade f_y / f_u MPa	Nominal Bar Diameter mm	Steel Area A_s mm ²	Yield Load $P_y = f_y A_s$ kN	Ult. Load $P_u = f_u A_s$ kN	Nominal Wt. kg/m	Max. Bar Ø Across Ribs mm	Mill length m	Direction of Thread L or R
900/1100 MPa Hot-Rolled THREADBAR® Form-Ties, Post-Tensioning, Ground Anchors	15 5/8"	177	159	194	1.50	17.6	5.9	R
	20 3/4"	314	282	345	2.60	22.9	11.9	R
830/1035 MPa ASTM A722 except 3" Ø Hot-Rolled THREADBAR® PT Ground Anchors Post-Tensioning *Cold-Rolled THREADBAR®	26 1"	548	456	567	4.48	30.5	18.3	R
	32 1 1/4"	806	669	834	6.53	36.7	18.3	R
	36 1 3/8"	1,019	845	1,054	8.27	41.4	18.3	R
	*46 1 3/4"	1,664	1,423	1,779	13.72	51.0	13.7	R
	*66 2 1/2"	3,331	2,754	3,470	26.36	70.9	13.7	R
	*75 3"	4,419	3,650	4,568	35.85	80.0	13.7	R
517/690 MPa CSA G30.18 ASTM A615 except #20, #24, #28 Hot-Rolled THREADBAR® Tie Rods Hanging Rods Micropiles (<i>GEW®</i> Piles) Anchor Bolts Concrete Reinforcing Seismic Anchors Rock Bolts Ground Anchors Soil Nailing Precast Connections	19 #6	284	147	196	2.23	21.9	14.7	L
	22 #7	387	200	267	3.04	25.3	18.3	L
	25 #8	510	264	351	3.97	28.5	18.3	L
	28 #9	645	334	445	5.06	32.2	18.3	L
	32 #10	819	424	565	6.40	36.4	18.3	L
	35 #11	1,006	520	694	7.91	41.0	18.3	L
	43 #14	1,452	751	1,001	11.38	47.3	18.3	R
	57 #18	2,581	1,335	1,779	20.24	63.6	18.3	R
	** 63 #20	3,168	1,748	2,312	24.85	69.0	18.3	L
	*75 #24	4,555	2,355	3,141	35.85	80.8	13.7	L
	*90 #28	6,207	3,209	4,279	48.79	93.5	13.7	L
DYWI® Drill Hollow Bar CSA G30.18 500MPa min. Yield Stress ASTM A615 Soil Nails Micropiles Ground Anchors Bars & hardware available in Hot Dip Galvanized or Metalized Temporary Drill Casing not required  R = Rope Threads T = Trapezoidal Threads	R25N 13mm Ave core	290	150	200	2.3	25.0	3.0	L
	R32N 18mm Ave core	430	230	280	3.4	32.0	3.0	L
	T30/11 11mm Ave core	470	260	320	3.7	30.0	3.0	L
	R32S 11mm Ave core	520	280	360	4.1	32.0	3.0	L
	R38N 17mm Ave core	770	400	500	6.1	38.0	3.0	L
	R51L 35mm Ave core	890	450	550	7.0	51.0	3.0	L
	T40/16 16mm Ave core	910	525	660	7.1	40.0	3.0	L
	R51N 28mm Ave core	1,070	630	800	8.4	51.0	3.0	L
	T76N 45mm Ave core	2,120	1,200	1,600	16.7	76.0	3.0	L
	T76S 35mm Ave core	2,750	1,500	1,900	22.0	76.0	3.0	L

Approximate Modulus of Elasticity: E=205,000 MPa Double Corrosion Protection (DCP) recommended for post-tensioned permanent ground anchors

