



DYWIDAG DYWI DRILL HOLLOW BAR - TECHNICAL DATA

April 16th, 2018, DSI Surrey, BC

[METRIC UNITS]	Bar Des.	Nominal Core Diameter mm	Average Cross Section Area A_s mm ²	Average Yield Strength f_y MPa	Average Ultimate Tensile Strength f_u MPa	Yield Load $P_y = f_y A_s$ kN	Ultimate Load $P_u = f_u A_s$ kN	Nominal Weight kg/m
DYWI Drill Hollow Bar 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	13	240	620	830	150	200	1.90
	R32N	20	350	650	800	230	280	2.70
	T30N	13	400	650	800	260	320	3.10
	R32S	18	430	650	830	280	360	3.40
	R38N	24	590	670	840	400	500	4.70
	T40L	24	660	640	810	425	540	5.20
	R51L	35	740	600	740	450	550	5.90
	T40N	20	770	680	850	525	660	6.00
	R51N	33	940	670	850	630	800	7.40
	T52N	30	1,150	630	800	730	929	9.00
	T76L	54	1,650	600	720	1,000	1,200	12.90
	T76N	49	2,080	570	760	1,200	1,600	16.30
	T76S	44	2,460	600	770	1,500	1,900	19.30
	T103N	78	3,200	560	710	1,800	2,300	25.00
	T103S	51	5,200	510	710	2,670	3,700	40.00

[IMPERIAL UNITS]	Bar Des.	Nominal Core Diameter in	Average Cross Section Area A_s in ²	Average Yield Strength f_y ksi	Average Ultimate Tensile Strength f_u ksi	Yield Load $P_y = f_y A_s$ kips	Ultimate Load $P_u = f_u A_s$ kips	Nominal Weight lbs/ft
DYWI Drill Hollow Bar 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	0.51	0.37	90	120	33.7	45.0	1.28
	R32N	0.79	0.54	94	116	51.7	62.9	1.81
	T30N	0.51	0.62	94	116	58.5	71.9	2.08
	R32S	0.71	0.67	94	120	62.9	80.9	2.28
	R38N	0.94	0.91	97	122	89.9	112.4	3.16
	T40L	0.94	1.02	93	117	95.5	121.4	3.49
	R51L	1.38	1.15	87	107	101.2	123.6	3.96
	T40N	0.79	1.19	99	123	118.0	148.4	4.03
	R51N	1.30	1.46	97	123	141.6	179.8	4.97
	T52N	1.18	1.78	91	116	164.1	208.8	6.05
	T76L	2.13	2.56	87	104	224.8	269.8	8.67
	T76N	1.93	3.22	83	110	269.8	359.7	10.95
	T76S	1.73	3.81	87	112	337.2	427.1	12.97
	T103N	3.07	4.96	81	103	404.7	517.1	16.80
	T103S	2.01	8.06	74	103	600.2	831.8	26.88

Maximum allowable temporary tension is the yield load.

Standard length = 3.0 m = 9'-10"

