

DYWIDAG Wind Energy Anchor Bolts



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DSI is a global market leader in the development, production and supply of post-tensioning and geotechnical systems as well as concrete accessories for the construction industry.

You should expect the highest quality and exceptional service with DYWIDAG Anchor Bolts for Wind Turbine Foundations.

DYWIDAG Anchor Bolts meet ASTM A722 in sizes 1-1/4", 1-3/8", 1-3/4" and 2-1/2" GR. 150 and ASTM A615 in #10 & #11 GR. 75 rolled in our facility in exact length tailored to each project.

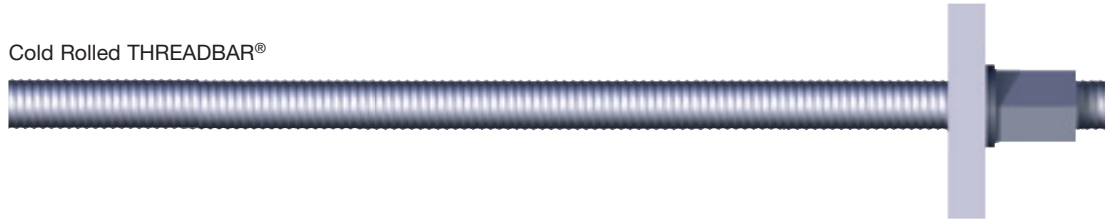
Available with the bolts are heavy hex nuts that have been developed to carry 100% of the ultimate nominal strength of the bar conforming to ASTM A194 GRADE 2H.

Other accessories include ASTM F436 hardened flat washers and PVC to ASTM D1784 manufactured to ASTM D2241 SDR 21 thickness cut to length.



Technical Details

Cold Rolled THREADBAR®



DYWIDAG Cold Rolled Prestressing Steel Bar ASTM A722 (Grade 150)

Bar Designation		Minimum Ultimate Stress (fu)		Minimum Ultimate Strength (fu · As)		Nominal Cross Section Area (As)		Nominal Weight		Max Bar Diameter	
[in]	[mm]	[ksi]	[Mpa]	[kips]	[kN]	[in²]	[mm²]	[lbs/ft]	[kg/m]	[in]	[mm]
1-1/4	32	150	1,034	187.5	834	1.25	806	4.39	6.54	1.412	36
1-3/8	36	150	1,034	237.0	1,054	1.58	1,019	5.56	8.27	1.573	40
*1-3/4	46	150	1,034	387.0	1,721	2.58	1,664	9.10	13.54	2.00	51
*2-1/2	65	150	1,034	780.0	3,470	5.20	3,355	17.71	26.36	2.71	69

NOTE: Maximum allowable temporary test tension is 80% of ultimate strength.

* Meets the strength requirements of the A 722

DYWIDAG Cold Rolled Reinforcing Steel Bar ASTM A615 (Grade 75)

Bar Designation		Minimum Yield Stress (fy)		Minimum Yield Strength (fy · As)		Nominal Cross Section Area (As)		Nominal Weight		Max Bar Diameter	
[in]	[mm]	[ksi]	[Mpa]	[kips]	[kN]	[in²]	[mm²]	[lbs/ft]	[kg/m]	[in]	[mm]
#10	32	75	517	95.3	424	1.27	819	4.30	6.40	1.375	35
#11	36	75	517	117.0	520	1.56	1006	5.313	7.907	1.502	38

NOTE: Maximum allowable temporary test tension is 90% of the yield strength.

Bar Accessory Properties

DYWIDAG Flat Washers

Part Number	Bar Size	Inside Diameter		Outside Diameter		Thickness		Weight	
		[in]	[mm]	[in]	[mm]	[in]	[mm]	[lbs]	[kg]
B10U93100	#10, 1-¼"	1.375	34.925	2.5	63.50	0.156	3.970	0.16	0.073
B11U93100	#11, 1-⅜"	1.625	41.275	3	76.20	0.156	3.970	0.23	0.104
B46E93100	1-¾"	2.125	53.975	3.75	95.25	0.156	3.970	0.49	0.222
B65E93100	2-½"	2.875	73.025	5	127.00	0.29	7.366	1.2	0.544

DYWIDAG Hex Nuts

Part Number	Hex		Length		Weight	
	[in]	[mm]	[in]	[mm]	[lbs]	[kg]
GRADE 75						
B10X20510	1.844	46.838	2.187	55.550	1	0.454
B11X20510	2.03	51.562	2.406	61.112	1.33	0.603
GRADE 150						
B32Y20510	1.969	50.013	2.5	63.500	1.6	0.726
B36Y20510	2.154	54.712	2.75	69.850	2.02	0.916
B46E20610	3	76.200	3.375	85.725	4.64	2.105
B66E20710	3.875	98.425	5	127.000	15	6.804

PVC Sleeve

Bar Size	Outside Diameter		Wall Thickness	
	[in]	[mm]	[in]	[mm]
#10, 1-¼"	1.66	42.164	0.079	2.007
#11, 1-⅜"	1.9	48.260	0.09	2.286
1-¾"	2.375	60.325	0.113	2.870
2-½"	3.5	88.900	0.167	4.242



Cold Rolled THREADBAR® with Hexnut

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