

STANDARD RANGE TYPHOON BOLT TENSIONERS

Boltight Typhoon tensioners were originally developed to meet the technical and environmental demands of the wind energy market where high bolt load and restricted access applications are commonplace.

The robust design ensures reliability during the frequent and repeated use necessary on wind turbine projects on and off shore. Specified by the leading OEM's and used by many major maintenance contractors internationally, Typhoon is the industry choice.



SPECIFICATION

Single or multi stage configurations available which generate 95% yield stress on 10.9 bolts

Spring loaded gear driven nut rotation

Automatic piston retraction

Safe failure design

Positive stop facility

Optional cycle counter

Ex stock availability

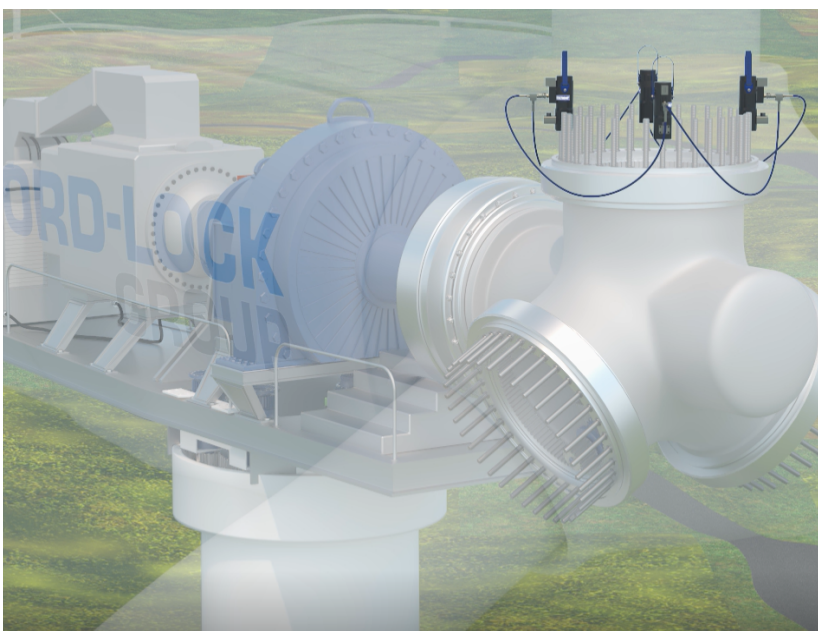
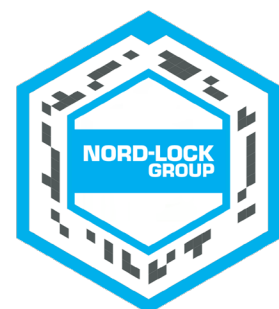
Fast turnaround for custom designs

TENSIONERS TO SUIT:

The technical requirements for most leading OEM wind turbines including;

- Clipper
- Vestas
- Gamesa
- GE
- Goldwind
- Nordex
- Siemens
- RE Power
- Sulzon
- MHI

Boltight has developed an Augmented Reality experience for this product. To view this experience download the Vuforia View App and scan the mark below.



TECHNICAL & DIMENSIONAL DATA

SINGLE STAGE DESIGN FOR MINIMAL INSTALLATION HEIGHT

Bolt Diameter		Max. Load		Tensioner Diameter		Tensioner Height		Tensioner Stroke	
mm	in	lbf	kN	mm	in	mm	in	mm	in
M24	1	65,192	290	85	3.35	98	3.86	8	0.31
M27	1-1/8	84,300	375	91	3.58	104	4.09	8	0.31
M30	1-1/8	103,408	460	98	3.86	107	4.21	8	0.31
M33	1-1/4	128,136	570	109	4.29	115	4.53	8	0.31
M36	1-3/8	150,616	670	114	4.49	118	4.65	8	0.31
M39	1-1/2	179,840	800	128	5.04	124	4.88	10	0.39
M42	1-5/8	206,816	920	132	5.20	132	5.20	10	0.39
M45	1-3/4	242,784	1080	142	5.59	134	5.28	10	0.39
M48	1 7/8	274,256	1220	151	5.94	138	5.43	10	0.39
M52	2	325,960	1450	162	6.38	140	5.51	10	0.39
M56	2-1/4	376,540	1675	171	6.73	150	5.91	10	0.39
M64	2-1/2	494,560	2200	182	7.17	162	6.38	12	0.47



For low overhead clearance applications

MULTI STAGE DESIGN FOR EASY INSTALLATION INTO NARROW APPERTURES

Bolt Diameter		Max. Load		Tensioner Diameter		Tensioner Height		Tensioner Stroke	
mm	in	lbf	kN	mm	in	mm	in	mm	in
M24	1	64,742	288	60	2.36	185	7.40	7	0.28
M27	1-1/8	84,300	375	66	2.60	193.5	7.62	7	0.28
M30	1-1/8	103,858	462	72	2.83	201	7.91	7	0.28
M33	1-1/4	128,586	572	78	3.07	216	8.50	8	0.31
M36	1-3/8	150,616	670	82.5	3.25	229.5	9.04	10	0.39
M39	1-1/2	180,290	802	92	3.62	263	10.31	10	0.39
M42	1-5/8	206,928	920.5	98	3.86	262	10.31	10	0.39
M45	1-3/4	243,234	1082	105	4.13	281.5	10.91	10	0.39
M48	1 7/8	274,706	1222	111	4.37	293.5	11.56	10	0.39
M52	2	326,410	1452	120	4.72	327	12.80	10	0.39
M56	2-1/4	376,540	1675	128	5.04	330	12.99	10	0.39
M64	2-1/2	494,560	2244	146	5.83	376	14.23	12	0.47



For low radial clearance applications

The tools generate EN ISO 898-1:1999 and ASTM A490M proof load standards for 10.9 bolts, in accordance with the requirements for wind turbine, structural and other high load, high integrity bolting applications.