

MULTI-STAGE HYDRAULIC BOLT TENSIONER (MST SERIES)

Multi Stage Tensioners are slim tensioners suited for constricted space operations and benefit from the combined tensioning force of multiple cylinders and achieve desired results in a smaller diameter.

FEATURES:

- Working Pressure 1500Bar / 21755 psi
- Fast, simple, accurate, reliable and ideal tightening and bolting tool for Wind Turbine
- Small, compact, can impart large tensioning load
- Durable composite material seal kit
- Clear over stroke alarming mark
- Optional gear drive allows the user rotate the nut quickly

Robust Tool: High tensioning loads & simultaneous tensioning operations are the requirement that the Multi Stage Tensioners are design to fit.

Constrained Space Access: The Multi Stage Tensioners are also ideally suited for other tight spaces such as Blade to hub bolts, Tower sections bolts as well.

Automatic Piston Return: Increasing the working speed, the integrated automatic piston return mechanism pushes the piston back to its end position when hydraulic pressure is released. Additional features such as optional Cycle Counters are present.

Sturdy Gearbox for Rundown of Sockets: The Heavy gearbox drives the nut rotator. This ensures that the nut can be turned easily in the direction of rotation with a hand ratchet.



TECHNICAL DATA OF VARIANTS:

Model	Bolt Diameter		Min. Length of Thread (mm)	Max. Length of Thread (mm)	Working Stroke (mm)	Bolt Distance (mm)	Max. Load (KN)	Outside Diameter (mm)	Min.Height (mm)
	(mm)	(in)							
MST-M30	M30	1-1/8	62	69	7	66	464	73	276
MST-M33	M33	1-1/4	66	73	9	72	583	78	295
MST-M36	M36	1-3/8	75	82	9	77	677	84	326
MST-M39	M39	1-1/2	78	88	10	83	805	90	360
MST-M42	M42	1-5/8	83	91	10	89	926	96	357
MST-M45	M45	1-3/4	87	96	10	96	1091	105	371
MST-M48	M48	1-7/8	93	102	10	102	1231	110	387

Note: Dimensions are subject to change. Customised solutions are provided as per requirement as well.