



MSD series - Multi stage hydraulic bolt tensioner



*Specially used for wind power industry

*This series tensioners are suitable for many brands of wind turbines, such as Vestas, Gamesa, Gold Wind, Shanghai Electric, Dongfang Electric and so on. For different kinds of wind turbines and bolts in different positions, Torcstark has the suitable model to match.

*Maximum working pressure 150Mpa

Application



Technical parameters

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Model	Bolt size M	A/F S(mm)	Tensile Force (KN)	Cylinder area mm ²	Stroke mm	Outside diameter mm	Collapsed height mm	Max pressure MPa
MSD30.2.74	30X3.5	46	520	3855	8	74	218	135
MSD36.2.87	36X4	55	724	4827	10	87	263	150
MSD36.2.75	36X4	55	452	3016	8	75	201	150
MSD36.3.75	36X4	55	678	4524	8	75	255	150
MSD36C.2.96	36X4	55	670	4963	10	96	213	135
MSD36JG.2.82	36X4	55	667	4943	10	82	405	135
MSD39.2.94	39X4	60	870	5802	10	94	257	150
MSD42.2.108	42X4.5	65	1058	7057	10	108	292	150
MSD42.3.100	42X4.5	65	1190	8817	10	100	338	135
MSD48.2.122	48X5	75	1478	9858	12	122	324	150
NSD48.2.131	48X5	75	1539	10261	12	131	338	150
MSD56.2.138	56X5.5	85	1734	12847	12	138	372	135
MSD56L.2.141	56X5.5	85	1547	11459	10	141	285	135
MSD64.2.150	64X6	95	2011	14901	15	150	421	135
MSD64L.2.151	64X6	95	1839	12265	10	151	321	150