

# ZipTENSIONER

## Stud Tensioner



- Subsea, nuclear & wind applications
- Cuts job time up to 90%
- Fastest tensioning available
- 100% same side flange coverage
- Compact & lightweight
- Revolutionary ZipNut® Technology



Stud Dia. (inches)	Metric Diam.	Max. Initial Load <sup>1</sup> (lb.)	Max Load (% yield*)	Hydraulic Area (inches <sup>2</sup> )	Max Oper. (psi)	Tensioner OD (inches)
3/4	M20	26.3	75	1.01	26,000	1.86
7/8	M22	36.4	75	1.40	26,000	2.14
1	M24	47.4	75	1.82	26,000	2.43
1-1/8	M30	62.2	75	2.39	26,000	2.64
1-1/4	M33	78.8	75	3.03	26,000	2.88
1-3/8	M36	97.1	75	3.74	26,000	3.16
1-1/2	M39	101.4	65	3.90	26,000	3.27
1-5/8	M42	120.9	65	4.65	26,000	3.54
1-3/4	M45	142.1	65	5.47	26,000	3.79
1-7/8	M48	164.7	65	6.34	26,000	4.08
2	M52	189.2	65	7.28	26,000	4.36
2-1/4	M56	242.8	65	9.34	26,000	4.91
2-1/2	M64	253.2	60	9.74	28,000	5.18
2-3/4	M72	309.0	60	11.04	28,000	5.64
3	M76	370.8	60	13.24	28,000	6.16
3-1/4	M85	438.0	60	15.64	28,000	6.68
3-1/2	M90	510.9	60	18.25	28,000	7.20
3-3/4	M95	589.2	60	21.04	28,000	7.71
4	M100	673.2	60	24.04	28,000	8.23

\*Bolt load as a percentage of yield is based on the minimum yield strength of ASTM A193, B7 bolt material. <sup>1</sup> Maximum load x 1,000 lbs.