

ACU-SUB™ - Subsea tensioners for standard and compact applications

ACUTENSION are pleased to offer our **ACU-SUB™** range of tensioners for subsea applications – designed to suit all standard and most compact subsea flanges.

Featuring highly-durable quick-release reaction nuts, **ACU-SUB™** is ergonomic, fast and economic. Available to suit bolt sizes from ACU-SUB0 (M20, 3/4") to ACU-SUB7 (M95, 3-3/4in) across only 8 load cells, **ACU-SUB™** is the optimum solution for offshore bolting operators seeking a cost-effective inventory to cover all subsea projects.

Such is its versatility, our **ACU-SUB™** range has also engineered to be compatible with a variety of other subsea bolted applications; such as risers, BOP valves and clamps.

ACU-SUB™ tensioners feature a corrosion resistant nickel-plate finish, to ensure that they stand up to arduous marine environments. ACUTENSION can also offer a stainless steel version of our **ACU-SUB™** range, on request.

Featuring a long, 30mm stroke, subsea operators can be assured **ACU-SUB™** meets the demands of typical offshore bolting challenges. Our easy-to-fit seals ensure leak-free performance at all times without sacrificing durability nor shortening service intervals.



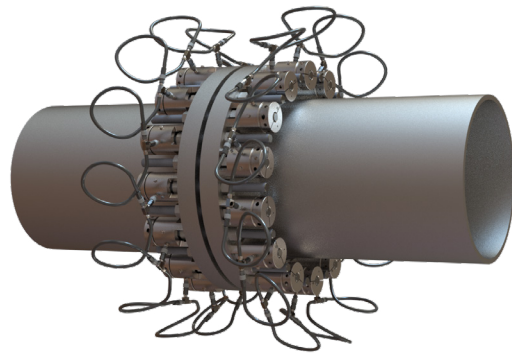
ACUTENSION can also offer specialised solutions in unparalleled lead-times for subsea applications, including ROV compatible tooling. With vast experience in supplying subsea tensioners for a rapidly evolving offshore arena, subsea customers can be assured ACUTENSION can offer the best solution for the application.

ACU-SUB™ features:

- Long 30mm stroke
- Durable quick-release reaction nuts
- Maximum stroke indication
- Overstroke safety feature
- Easily customisable
- Anti-wear, anti-corrosion finish
- Engineered for:
 - SPO and other
 - ANSI/ASME B16.47
 - API 6A/17D
 - Clamps, BOP valves, risers
- Test bolt FAT
- CE marked



Tool Size Number	Bolt Diameter		Max Load		Max Stroke		Tool Outer Diameter		Tool Height. Ex Reaction nut		Total Tool Height	
	mm	Inch	kN	klbf	mm	in	mm	in	mm	in	mm	in
ACU-SUB0-A150-	M20	3/4	191	42.9	20	4.5	66	14.8	97	21.8	123	27.7
	M22	7/8										
ACU-SUB1-A150-	M24	1	330	74.2	20	4.5	87	19.6	120	27.0	153	34.4
	M27	1 1/8										
	M30											
ACU-SUB2-A150-	M33	1 1/4	515	115.8	30	6.7	105.0	23.6	135	30.3	168	37.8
	M36	1 3/8										
ACU-SUB3-A150-	M39	1 1/2	747	167.9	30	6.7	123	27.7	150	33.7	185	41.5
	M42	1 5/8										
ACU-SUB4-A150-	M45	1 3/4	1180	265.3	30	6.7	150	33.7	169	38.0	211	47.4
	M48	1 7/8										
	M52	2										
ACU-SUB5-A150-	M56	2 1/4	1907	428.7	30	6.7	183	41.1	180	40.5	236	53.1
	M60	2 1/2										
	M64											
ACU-SUB6-A150-	M68	2 3/4	2545	572.1	30	6.7	210	47.2	200	45.0	260	58.4
	M72	3										
	M76											
ACU-SUB7-A150-	M80	3 1/4	4060	912.7	30	6.7	258	58.0	232	52.2	303	68.1
	M85	3 1/2										
	M90	3 3/4										
	M95											



ACU-SUB™ - above the grade, below the water.

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