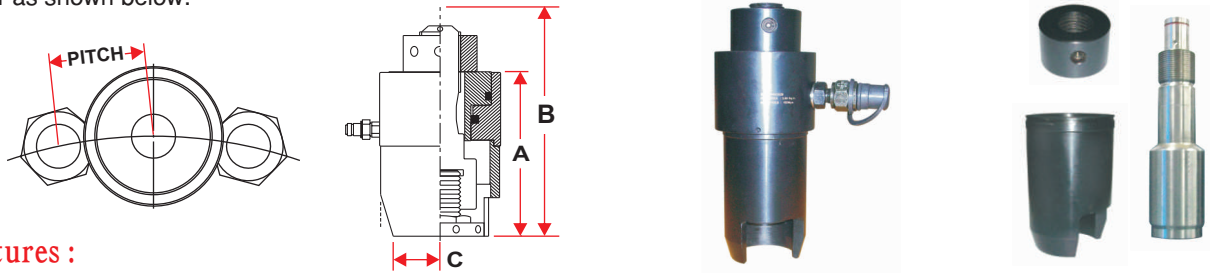


## CST SERIES COMPACT SLIMLINE BOLT TENSIONERS

CST Series are slimmer, variable type Bolt Tensioners consisting of five parts - Puller, Puller Nut, Load Cell, Bridge & Nut Driver as shown below:



### Features :

- **Versatile Design:** Designed to provide a wide range of flexibility, covering stud sizes 3/4 " to 2.1/2" (M-20 to M-64).
- **High Strength Alloy Steel Construction :** All Parts are made from high strength Aircraft Quality alloy steel for long lasting performance and better safety factor.
- **Stroke Indication:** Marked Piston indicates stroke and provides an over stroke indication.
- **Safe Design:** Designed to release high pressure hydraulic oil inwards in event of over-stroke, thus saving the operator from exposure.
- **Anti Roll, Composite Material Seals :** Fitted with Anti Roll, Composite Material seals for longer life and high reliability. The seals used have a low coefficient of friction so that the piston can be returned to a closed position with minimal effort. Sub Sea tensioners can be provided with machined PU (poly urethane) seals if requested by the customer.
- **Floating Piston:** The unique piston design allows 2° tilt without any loss of load and prevents piston seizure or damage of piston bore.

### Specifications

Model No.		Bolt Size		Max Load		Hyd Area		O.D.	Min Pitch	Relief C	Height A	Clearance B
Load Cell	Adaptor Kit	inch	mm	Ton	kN	in <sup>2</sup>	mm <sup>2</sup>	mm	mm	mm	mm	mm
CST-24	A24-0.12	3/4		26.4	235.1	2.43	1568	68	42	37	173	192
	A24-M20		M20						43	38	173	193
	A24-0.14	7/8							44	41	175	197
	A24-M24		M24						46	44	177	201
	A24-1.00	1							47	46	178	203
	A24-M27		M27						49	50	180	207
CST-36	A36-1.02	1.1/8		47.6	423.2	4.37	2822	88	53	53	240	269
	A36-M30		M30						55	55	241	271
	A36-1.04	1.1/4							56	58	243	274
	A36-M33		M33						57	60	244	277
	A36-1.06	1.3/8							59	63	246	281
	A36-M		M36						61	65	247	283
CST-41	A41-M3		M36	59.8	531.6	5.49	3545	103	76	65	267	303
	A41-1.08	1.1/2							78	69	269	307
	A41-M39		M39						79	70	270	309
	A41-1.10	1.5/8							81	74	272	314
	A41-M42		M42						82	75	273	315
CST-48	A48-M42		M42	84.6	752.7	7.78	5019	118	92	75	296	338
	A48-1.12	1.3/4							93	80	298	343
	A48-M45		M45						94	81	299	344
	A48-1.14	1.7/8							96	85	302	349
	A48-M48		M48						97	86	302	350
CST-55	A55-M48		M48	104.1	926.2	9.57	6176	130	104	86	327	375
	A55-2.00	2							106	91	330	381
	A55-M52		M52						107	93	331	383
	A55-M56		M56						109	100	335	391
	A55-2.04	2.1/4							109	102	336	393
CST-60	A60-2.04	2.1/4		191.8	1261.6	13.04	8413	148	117	102	367	424
	A60-M60		M60						120	107	370	430
	A60-2.08	2.1/2							121	113	374	437
	A60-M64		M64						124	113	374	438