

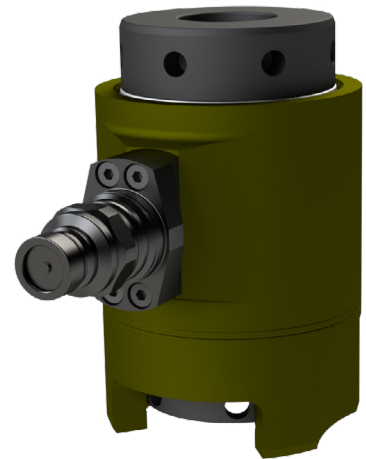
ACURA® - Lightweight, 70 MPa auto-retract tensioning system

ACURA®: where performance meets value, where speed meets safety, where tensioners and torque wrenches use the same hydraulic system.

ACURA® is the only standard tensioner range featuring:

- Fastest possible dual acting hydraulic retract system
- Aluminium construction offering:
 - Unparalleled corrosion protection
 - Lightweight, ergonomic design
- Positive piston stop, eliminating overstroke
- Twin or coaxial quick-connect overstroke
- **Working at 70 MPa max pressure**

Compatible with ANSI/ASME and API (and upgradeable to suit SPO compact) flanges, **ACURA®** is the fastest, safest and most ergonomic tensioning system available today. Its unique combination of patent-pending design features ensures that asset owners and service companies alike guarantee their operators can work faster, safer and smarter than the rest.



Utilising twinline, two-stage power hydraulics – made possible through lightweight composite design – **ACURA®** works at 70 MPa maximum pressure. This offers greater speed via enhanced flow rates, and greater safety compared to conventional, higher pressure tensioning systems.

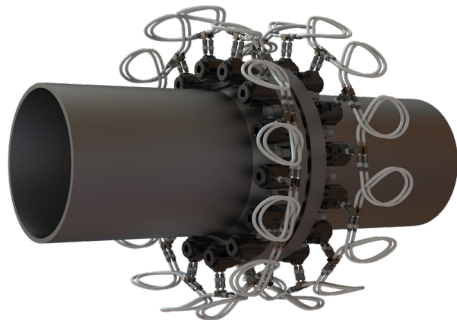
Additionally, working at this pressure offers hydraulic compatibility with other bolting systems, including CEJN coaxial twinline quick-connect systems. Torque wrench pumps can be used, or ideally our **ACU-HERO™** range of electric and pneumatic pumps together comprise the most efficient tensioning system on the market today.

Moreover, to accelerate operations further, **ACURA®** features a hydraulic return system offering unparalleled piston retraction speed. With **ACURA®** there is no need to manually return pistons, nor wait for springs to retract them. Its positive piston stop ensures that there will be no danger of seal-blowout. Comprising the fastest advance and retract system on the market – working at lower pressure – **ACURA®** truly is the safest, most value-efficient bolt tensioning system available.

- Dual acting with auto piston retract
- 70 MPa max pressure
- Versatile, durable aluminium composite design:
 - Corrosion protection
 - Lightweight and ergonomic
- Positive piston stop
- Max stroke indication
- Design to suit standard flanged connections
- Twin or coaxial options
- All sizes available from stock
- Can operate via either torque wrench or **ACU-HERO™** series pumps



Load Cell No	Bolt Thread		Max Pressure		Maximum Load		Maximum Stroke	Outer Diameter	Tool Height	Load Cell Weight	Total Weight
	Imperial in	Metric mm	Advance MPa (psi)	Retract MPa (psi)	tonf	kN	mm	mm	mm	kg	kg
ACURA1	3/4"	M20	70 (10,000)	20 (2,900)	23.0	229	8	76	143	1.5	3.0
	7/8"	M22							143		2.8
	1"	M24							143		2.7
	1-1/8"	M27							145		2.6
ACURA2	1-1/4"	M30			44.4	442	10	106	168	2.8	5.8
	1-3/8"	M33							168		5.5
	1-3/8"	M36							171		5.4
	1-1/2"	M39							171		5.1
ACURA3	1-1/2"	M39			81.2	809	10	137	205	5.3	11.2
	1-5/8"	M42							205		10.8
	1-3/4"	M45							205		10.6
	1-7/8"	M48							205		10.2
	2"	M52							205		10.0
ACURA4	1-7/8"	M48			128.0	1275	10	170	240	9.4	20.6
	2"	M52							240		19.7
	2-1/4"	M56							240		19.2
		M60							242		18.9
	2-1/2"	M64							242		18.4
ACURA5	2-1/2"	M64			184.1	1834	10	201	282	15.0	34.5
		M68							282		33.0
	2-3/4"	M72							285		32.0
	3"	M76							285		30.2
ACURA6	3"	M76			265.5	2645	10	243	330	23.1	54.0
		M80							330		52.8
	3-1/4"	M85							330		51.6
	3-1/2"	M90							334		49.0
	3-3/4"	M95							334		48.0
	4"	M100							334		47.2
ACURA7	3-1/2"	M90			361.6	3603	12	278	Dependent on application		
	3-3/4"	M95									
	4"	M100									
	4-1/4"	M105									
ACURA8	4-1/4"	M105			466.4	4647	12	315	Dependent on application		
		M110									
	4-1/2"	M115									
	4-3/4"	M120									
	5"	M125									



ACURA® - reducing the pressure.

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