

TENSOR AB
TAILOR MADE HYDRAULIC SYSTEMS

BOLT TENSIONERS TG SIZES

The **Tensor TG** is a versatile and robust series of high-pressure hydraulic bolt tensioners. Here are the key features and specifications summarized:

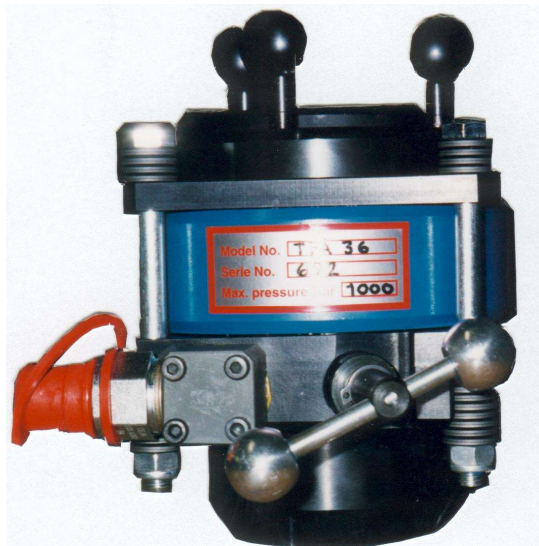
Specifications:

•**Sizes:** Available in 18 sizes, ranging from M30 to M180.

•**Load Capacity:** Supports a range of 220 kN to 12 MN.

•**Operating Pressure:** Hydraulically operated with a maximum pressure of 1000 bar.

•**Bolt Compatibility:** Designed specifically for maximum tensioning of 8.8 grade bolts.



Design Features:

•Compatibility:

- Can be used with round nuts (with slots) and standard hex nuts.
- Allows flange rotation of up to 2°.

•**Compact Design:** Optimized for ease of use in tight or constrained spaces.

Ease of Operation:

1.Installation: Place the tensioner over the nut and stud.

2.Setup: Turn the puller sleeve down.

3.Tensioning: Pressurize the system to apply tension.

4.Nut Adjustment: Turn the nut as needed (up or down).

5.Pressure Relief: Relieve hydraulic pressure.

6.Reset: The piston automatically retracts via spring action.

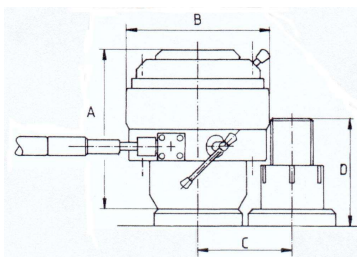
Applications:

The Tensor TG is suitable for industrial applications requiring reliable and precise bolt tensioning, particularly in sectors such as oil and gas, power generation, and heavy machinery.

Would you like further details or assistance with a specific aspect of this product?

Sizes Above 120 Is customized for each customer

Contact Tensor for more information



Tensioner		Max pulling force MN	Weight KG	A height mm	B outside diameter mm	C min pitch mm	D min stud height mm	Nut outside diameter mm	Nut height mm	Washer outside diameter mm	Washer thickness mm
TG 30		0,35	4	116	94	63	70	42	30	60	10
TG 36		0,55	7	132	116	78	84	50	36	72	12
TG 42		0,73	11	150	134	90	100	60	42	84	15
TG 48		0,91	14	165	148	100	115	68	48	96	17
TG 56		1,24	21	193	174	117	132	80	56	110	20
TG 64		1,72	36	228	202	135	148	90	62	125	22
TG 72		2,27	52	265	232	155	168	102	70	140	25
TG 80		2,89	75	282	258	170	185	114	76	160	28
TG 90		3,52	100	328	290	195	206	128	84	180	32
TG 100		4,50	140	355	325	215	227	140	92	200	35
TG 110		5,28	185	380	355	235	250	156	100	220	39
TG 120		6,55	242	400	390	260	270	170	108	240	42
TG 130		7,76	*	*	426	*	*	*	*	*	*
TG 140		8,89	*	*	456	*	*	*	*	*	*
TG 150		10,50	*	*	495	*	*	*	*	*	*
TG 160		11,60	*	*	520	*	*	*	*	*	*
TG 180		11,90	*	*	540	*	*	*	*	*	*

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