

▼ PGT-Series Single Stage and Double Deck Tensioners



High-Precision, Low Maintenance



Tensioning Pumps

Electric, pneumatic and manual high-pressure tensioning pumps are available for use with Enerpac hydraulic tensioners.



Hoses and Fittings

High-pressure hoses and fittings for use with Enerpac tensioning systems are available.

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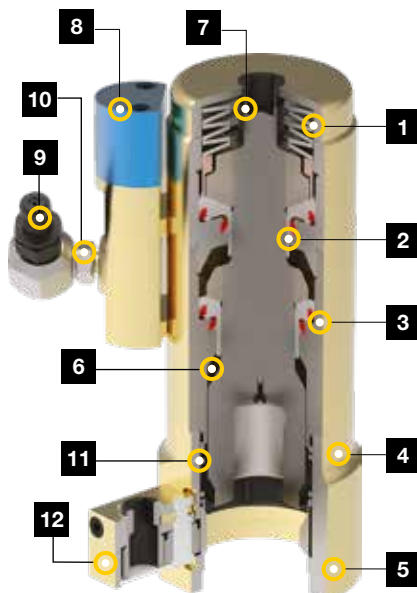
- PGT-Series Bolt Tensioners are designed for critical fastening applications in wind, steam and gas turbines
- A broad range of single stage and double deck tensioners provide high-performance in tight spaces associated with Power Generation applications
- PGT-Series Bolt Tensioners are loaded with performance enhancing features such as Auto-Retract Pistons, Cycle Counters and a premium coating to offer the ultimate in efficiency, durability and ease of use.

Description	PGTS Single Stage	PGTD Double Deck
Auto-Retract Piston	✓	✓
Zinc Coating	✓	✓
Geared Nut-Run-down	✓	✓
Over-stroke Indicator	✓	✓
Over-stroke Preventer	✓	✓
Single Male Fitting	✓	✓
Swivel Manifold	+	+
Cycle Counter	-	+

✓ = Standard on tensioner

⊕ = Possible option

- = Option not available



1. **Auto-retract piston:** Simplifies use and improves speed of operation.
2. **Long-life puller:** For maximum durability.
3. **Long-life seals:** For maximum durability and extended service life intervals.
4. **Corrosion protection:** Zinc coating provides best-in-class corrosion resistance.
5. **Interchangeable bridge:** For optimal application fit.
6. **Over-stroke preventer:** Mechanically prevents over-stroke, extending cylinder life.
7. **Over-stroke indicator:** Extends cylinder life by helping to prevent over-stroking of cylinder.
8. **Optional counter:** Helps indicate when maintenance is due to maximize uptime.
9. **Quick-disconnect coupler:** For safe, simple hydraulic connection.
10. **Optional 360° swivel:** Available for additional hose positioning flexibility.
11. **Spring-loaded nut engagement:** Keeps socket positioned on nut for faster and easier seating process.
12. **Gearbox:** For nut run down. Easy and quick nut run down back to the flange.

▲ The model above illustrates a typical tool configuration.
Actual model configurations vary.

Power Generation Bolt Tensioners



Options

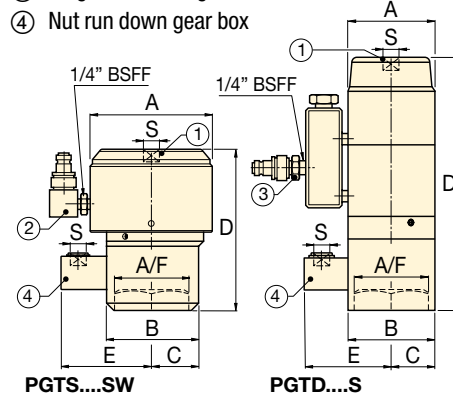
Fitting Type

SW = Swivel manifold with single male fitting
Example: **PGTS2436SW**

Cycle-Counter

C = Cycle Counter (not available on PGTS-models)
Example: **PGTD3655SWC**

- ① Puller bar square drive
- ② Swivel manifold with single male fitting
- ③ Single male fitting
- ④ Nut run down gear box



PGT Series



Bolt Range:

M20 - M72

Maximum Load Capacity:

22.9 - 333.6 tons

Maximum Operating Pressure ¹⁾:

19,575 - 21,750 psi

¹⁾ Max. pressure varies, see specifications table for details.

Tensioner Type	Thread Diameter (mm)	Model Number with single male fitting	Nut Size A/F (in)	Maximum Pressure (psi)	Hydraulic Pressure Area (in ²)	Maximum Load Capacity (tons)	Stroke (in)	Dimensions (in)						 Bolt Protrusion (in)	min.	max.
								A	B	C	D	E	S* (inch)			
Single Stage	M20 x 2,5	PGTS2030S	1.18	21,750	2.10	22.9	0.28	2.52	2.52	1.26	3.19	3.07	3/8	4.4	1.73	2.17
	M24 x 3,0	PGTS2436S	1.42	21,750	3.02	32.8	0.28	3.03	3.03	1.22	3.86	3.20	3/8	6.4	1.93	2.44
	M27 x 3,0	PGTS2742S	1.65	21,750	4.10	44.6	0.31	3.62	2.95	1.34	5.08	3.27	3/8	10.6	2.36	2.76
	M30 x 3,5	PGTS3046S	1.81	21,750	4.97	54.0	0.31	3.90	3.35	1.50	5.28	3.46	3/8	12.8	2.68	2.87
	M33 x 3,5	PGTS3350S	1.97	21,750	6.14	66.8	0.31	4.17	3.54	1.57	5.59	3.54	3/8	14.9	2.95	3.94
	M36 x 4,0	PGTS3655S	2.17	21,750	6.92	75.3	0.35	4.37	3.54	2.19	5.04	3.75	1/2	14.1	2.90	3.74
	M39 x 4,0	PGTS3960S	2.36	21,750	8.62	93.8	0.39	4.86	4.09	1.81	6.30	3.78	3/8	21.5	3.50	4.53
	M42 x 4,5	PGTS4265S	2.56	21,750	9.70	105.6	0.39	5.28	4.53	2.65	6.97	3.90	1/2	20.9	3.11	4.53
	M45 x 4,5	PGTS4570S	2.76	21,750	11.63	126.6	0.39	5.63	4.69	2.07	6.61	4.02	3/8	29.1	3.86	4.57
	M48 x 5,0	PGTS4875S	2.95	21,750	13.00	141.5	0.39	5.98	4.92	2.20	6.22	4.17	3/8	29.3	4.06	4.69
	M52 x 5,0	PGTS5280S	3.15	21,750	15.65	170.2	0.39	6.50	5.28	2.30	6.73	4.25	3/8	39.5	4.17	4.65
	M56 x 5,5	PGTS5685S	3.35	21,750	18.08	196.7	0.39	6.97	5.59	2.44	6.69	4.41	3/8	45.0	4.57	5.04
	M60 x 5,5	PGTS6090S	3.54	21,750	20.89	227.3	0.39	7.48	5.98	2.60	7.32	4.53	3/8	54.6	4.86	5.39
	M64 x 6,0	PGTS6495S	3.74	21,750	23.74	258.3	0.39	7.87	6.26	2.70	8.15	4.65	1/2	67.7	5.39	5.91
	M68 x 6,0	PGTS68100S	3.94	21,750	27.11	295.0	0.39	8.41	6.65	2.85	8.11	4.84	1/2	75.6	5.35	5.83
	M72 x 6,0	PGTS72105S	4.13	21,750	30.69	333.9	0.39	8.86	7.01	2.99	8.78	4.96	1/2	88.9	5.94	6.57
Double Deck	M24 x 3,0	PGTD2436S	1.42	19,575	3.55	34.8	0.24	4.69	3.03	1.22	7.28	3.19	3/8	10.1	2.09	2.34
	M27 x 3,0	PGTD2742S	1.65	19,575	4.56	44.6	0.24	4.92	2.95	1.34	7.72	3.28	3/8	11.6	2.36	2.68
	M30 x 3,5	PGTD3046S	1.81	19,575	5.31	52.0	0.28	5.28	3.35	1.46	7.68	3.46	3/8	12.7	2.36	2.76
	M33 x 3,5	PGTD3350S	1.97	19,575	6.62	64.8	0.28	5.59	3.03	1.52	8.19	3.54	3/8	14.7	2.56	3.03
	M36 x 4,0	PGTD3655S	2.17	19,575	7.74	75.8	0.31	5.98	3.27	1.61	8.58	3.66	1/2	17.1	2.76	3.43
	M39 x 4,0	PGTD3960S	2.36	19,575	9.70	95.0	0.39	6.26	4.09	1.89	10.47	3.78	3/8	27.6	3.31	3.66
	M42 x 4,5	PGTD4265S	2.56	19,575	10.64	104.2	0.39	6.69	4.09	2.05	9.78	3.90	1/2	25.0	3.23	3.58
	M45 x 4,5	PGTD4570S	2.76	19,575	12.93	126.6	0.39	6.97	4.69	2.09	11.57	4.09	3/8	38.9	3.82	4.21
	M48 x 5,0	PGTD4875S	2.95	19,575	14.62	143.1	0.39	4.53	4.92	2.26	11.97	4.17	3/8	44.3	4.06	4.45
	M52 x 5,0	PGTD5280S	3.15	19,575	17.50	171.3	0.39	4.88	5.28	2.40	12.91	4.25	3/8	57.5	4.33	4.94
	M56 x 5,5	PGTD5685S	3.35	19,575	20.06	196.4	0.39	5.20	5.59	2.56	13.62	4.41	3/8	66.1	4.61	5.22
	M60 x 5,5	PGTD6090S	3.54	19,575	23.30	228.2	0.39	5.55	5.98	2.78	14.65	4.53	3/8	81.9	4.92	5.63
	M64 x 6,0	PGTD6495S	3.74	19,575	26.54	259.9	0.39	5.94	6.26	2.99	15.20	4.69	1/2	94.8	5.24	6.00
	M68 x 6,0	PGTD68100S	3.94	19,575	30.25	296.2	0.39	6.30	6.69	3.15	15.67	4.84	1/2	109.1	5.43	6.30
	M72 x 6,0	PGTD72105S	4.13	19,575	34.06	333.6	0.39	6.73	6.97	3.48	16.89	4.96	1/2	132.5	5.75	6.73

* Dimension S = Square Drive of Puller Bar and Gear Box.