

Mono-Strand Stressing Tools

▼ Shown: PTJ5S and 5DA1



- Durable, field-proven designs, with “soft-grip” ergonomic handles reduce operator fatigue
- Single-acting *PTJ* models, with spring-seating and optional power-seating are equipped with the new Enerpac *RC* Post-tensioning cylinders with a 254 mm stroke, ideal for slab-on-grade applications
- Double-acting *DA* models have an 216 mm stroke and are machined from a steel billet; feature standard power-seating and “gun-drilled” internal hydraulic passages
- All jacks have a standard 3" nose assembly. Longer nose assemblies are available as accessories for all models
- A full line of grippers is available to tension common strand diameters
- Complete offering of Enerpac parts and soft kits allow quick and easy service.

Field-proven Tools for Mono-Strand Tensioning



SCJ Short Cable Jack

For pulling applications where the tendons are shortened, the SCJ Jack only requires 100 mm of exposed cable. Uses standard 216 mm stroke single-acting cylinders, other strokes available upon request.

Contact Enerpac for details.




ZU4-Series Electric Pumps

Specifically designed to operate with the most popular lines of stressing jacks, the ZU4-Series Pumps have the features, performance and options that are required for use in post-tensioning markets.

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▼ SELECTION CHART

Tool Capacity ton (kN)	Seater Type	Strand Diameter Standard (inch)	Model Number	Tool Operation**		Stroke (mm)	Oil Capacity (cm ³)	Tool Effective Area (cm ²)	Max. Pressure (bar)	 (kg)
				S/A	D/A					
20 (201)	Spring	.50 - .52	PTJ5S	•	-	254	743	28,9	700	25
20 (201)	Power (hydr.)	.50 - .52	PTJ5P	•	-	254	743	28,9	700	25
20 (201)	Power (hydr.)	.50 - .52	5DA1-AL	-	•	216	869	40,5	450	16
20 (201)	Power (hydr.)	.50 - .52	5DA1	-	•	216	869	40,5	450	19
20 (201)	*	.50 - .52	SCJ	•	-	254	743	28,9	700	22
30 (295)	Spring	.60 - .62	PTJ6S	•	-	254	1029	40,5	700	35
30 (295)	Power (hydr.)	.60 - .62	PTJ6P	•	-	254	1029	40,5	700	35
26 (231)	Power (hydr.)	.60 - .62	6DA1	-	•	216	1108	51,3	450	24

* SCJ is a short-pull jack, there is no seating device.

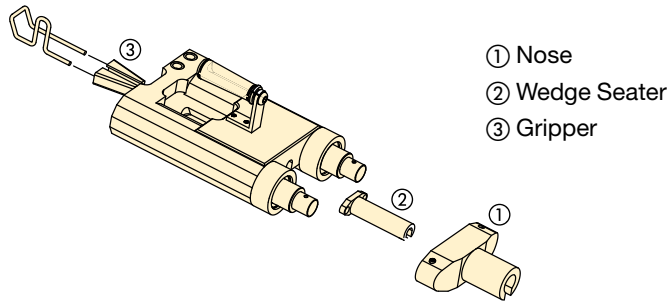
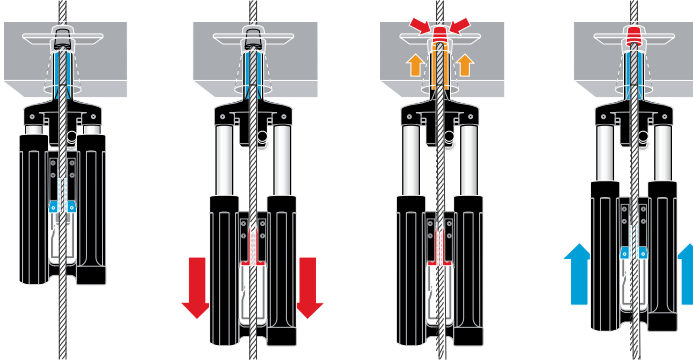
** S/A = single-acting; D/A = double-acting.

Mono-Strand Stressing Tools

Mono-Strand Tensioning Tool Operational Sequence

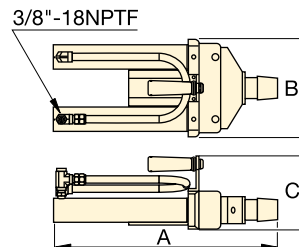
The sequence of operation of the double-acting **5DA1** tool is illustrated. Single-acting, spring-seat models are similar.

Installation Pulling Tendon Seating Wedge Retraction



Dimensions (mm)			
Model No.	A	B	C
PTJ5	533	229	165
PTJ6	559	259	178
SCJ	470	216	165
5DA1	470	191	165
6DA1	470	216	165

3/8" NPTF ports; PTJ and DA power seat models include FZ-1055 fitting.



**PTJ
5DA
SCJ
Series**



Capacity:

20 - 30 ton

Stroke:

216 - 254 mm

Strand Diameters:

12,7 - 15,7 mm

Maximum Operating Pressure:

450 - 700 bar



Multi-Strand Stressing Jacks

For applications requiring multi-strand tensioning jacks, contact Enerpac Integrated Solutions at:

integratedsolutions@enerpac.com

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Jack Feet

Two required per jack. Used in place of a nose to react on either side of wedge pocket.

Model Number	Used with Jack
402000	5DA1
403325	6DA1

▼ Optional and Replacement Accessories Selection Chart

Nose		Wedge Seater		Gripper Set Diameter								Used with Jack
76 mm	152 mm	76 mm	152 mm	9,7 mm	10,9 mm	12,7 mm	15,7 mm	4 mm	5 mm	6 mm	7 mm	
400740*	401180	305340*	401200	400900	400880	400850*	—	400930	400940	400950	400960	PTJ5S
400740*	401180	305340*	401200	400900	400880	400850*	—	400930	400940	400950	400960	PTJ5D
401520*	401840	305360*	305365	401652	401655	401660*	—	—	401670	—	—	5DA1-AL
401520*	401840	305360*	305365	401652	401655	401660*	—	—	401670	—	—	5DA1
—	—	—	—	—	—	—	—	—	—	—	—	SCJ
400740*	401180	305340*	401200	400900	400880	400850	400980*	400930	400940	400950	400960	PTJ6S
400740*	401180	305340*	401200	400900	400880	400850	400980*	400930	400940	400950	400960	PTJ6P
403180*	403220	403140*	403165	400988	—	400986	400990*	—	—	—	—	6DA1

* Shipped with tool.