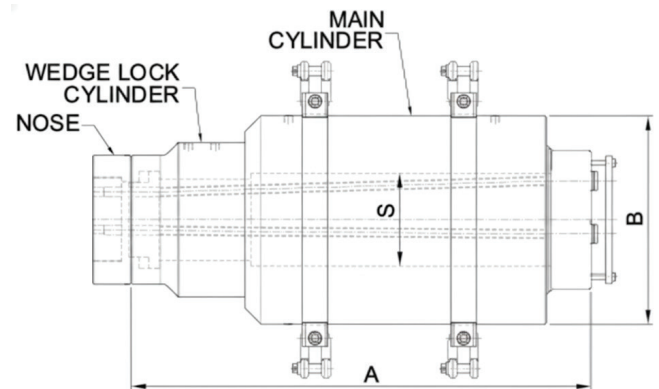


MULTI STRAND STRESSING/POST STRESSING JACKS WITH WEDGE LOCK



CAPACITY	200 to 1500 tons
TYPE	Multi-strand stressing jack with hydraulic clamping system
PRESSURE RATING	Up to 700 bar
DESIGN	Heavy-duty construction suitable for simultaneous stressing of multiple strands
CONSTRUCTION	High-strength alloy steel body with precision-machined components for high load accuracy and long service life



FEATURES:

- Hydraulic clamping system ensures **uniform and synchronized stressing** of multiple strands
- Designed for high accuracy, repeatability, and site reliability
- Robust design for continuous operation in heavy civil and infrastructure projects
- Easy integration with standard post-tensioning anchorage systems
- Suitable hydraulic power pack supplied as per jack model and project requirement**

APPLICATIONS:

- Used extensively in **bridge decks, flyovers, metro viaducts, long-span structures, nuclear and power projects, and major civil infrastructure works** requiring controlled multi-strand post-tensioning.

TECHNICAL SPECIFICATIONS

Model	Capacity (ton)	Stroke (mm)	Wt. (Approx.) (kg)	Closed height A (mm)	Cylinder OD B (mm)	Max Strands 0.5" Size	Max Strands 0.6" Size	Dim S (C Hole/ Bore Dia, mm)	Dim D (Ram Dia, mm)
OMSJ 100-200	100	200	110	405	240	7	5	90	155
OMSJ 200-200	200	200	185	395	330	12	7	145	230
OMSJ 300-200	300	200	305	455	400	19	12	175	280
OMSJ 480-200	480	200	525	530	470	31	19	195	315
OMSJ 680-200	680	200	845	570	580	42	27	240	360
OMSJ 1050-200	1050	200	1670	615	750	61	42	305	480
OMSJ 1500-200	1500	200	3300	700	960	-	55	340	585

ESSENTIAL OPERATING GUIDELINES:

1. Use the **designated hydraulic power pack** supplied for the specific jack model, ensuring all hoses, valves, and fittings are rated for **700 bar**.
2. Confirm **proper strand insertion and hydraulic clamping engagement** before pressurizing to ensure uniform load distribution.
3. **Monitor pressure and elongation** continuously and operate strictly within the rated capacity of the jack and anchorage system.
4. Keep clamping wedges, seals, and hydraulic circuits **clean, lubricated, and regularly inspected** to ensure safe and accurate stressing.

FUNCTIONING:

The jack operates using a **hydraulic clamping mechanism** where gripping wedges hold the strands securely. During pressurization, the piston advances to apply the required stressing force, while the hydraulic clamps ensure uniform load distribution across all strands. On completion, the load is safely transferred to the anchorage system before pressure release.