

HOLLOW RAM CYLINDERS



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

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Hollow ram cylinders with spring return are versatile hydraulic tools designed for various applications that require both pushing and pulling forces.

These cylinders are characterized by their hollow piston rods, which allow for a threaded rod or cable to pass through, making them ideal for tasks such as tensioning, pulling, or pushing objects.

Hollow ram double acting cylinders are a versatile and powerful component used in a variety of industrial applications.

These cylinders feature a hollow piston rod, allowing for unique capabilities such as the ability to push and pull with equal force.

KEY FEATURES:

- Hollow piston design for pulling and tensioning applications
- Available in Single Acting (Spring Return) and Double Acting models
- High-strength alloy steel construction
- High-pressure hydraulic operation
- Hard chrome-plated piston for enhanced durability
- Compact and rugged design
- Precise load control and positioning
- Suitable for lifting, pulling, and tensioning operations
- Long service life with low maintenance



SPECIFICATIONS:

- **Cylinder Type:** Single Acting (Spring Return) / Double Acting
- **Design:** Hollow Centre Ram
- **Operation:** High-pressure hydraulic
- **Construction:** High-strength alloy steel
- **Piston Finish:** Hard chrome-plated
- **Stroke Options:** Multiple stroke lengths available
- **Maximum Operating Pressure:** Up to 700 bar (model dependent)
- **Compatibility:** Suitable with standard hydraulic pumps and accessories

ADVANTAGES:

- High lifting capacity
- Reliable hydraulic performance
- Compact design for confined spaces
- Excellent load stability
- Durable construction
- Easy integration with hydraulic systems
- Low maintenance requirements
- Suitable for continuous heavy-duty operation

APPLICATIONS:

- Cable & Bolt Tensioning
- Post-Tensioning Operations
- Pull Testing
- Bearing & Bush Removal
- Heavy Equipment Maintenance
- Structural Lifting
- Bridge & Infrastructure Projects
- Offshore & Marine Applications
- Industrial Maintenance & Engineering



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JACK CODE	CAPACITY (TONNES)	CLOSED HEIGHT (H)	OUTSIDE DIAMETER (D1)	PISTON DIAMETER (D2)	PLUNGER HOLE DIA. (D3) (MM)	STROKE (MM)	MAXIMUM PRESSURE	FLUID LITRES	WEIGHT (KGS)
HR10-41	10	121	70	35	19	41	700	0.1	2.8
HR10-76	10	184	70	35	19	76	700	0.15	3.9
HR20-51	20	162	100	55	27	51	700	0.17	7.2
HR20-154	20	306	100	55	27	154	700	0.49	13.4
HR30-64	30	179	115	63	33	64	700	0.28	10.4
HR30-155	30	331	115	63	33	155	700	0.65	19.5
HR60-76	60	249	159	93	54	76	700	0.66	29.8
HR60-152	60	325	159	93	54	151	700	1.32	36.8
HR75-75 (load-return)	75	220	180	115	55	75	700	0.8	35.2
HR100-76	100	255	213	125	79	76	700	1.11	51.4

JACK CODE	CAPACITY (TONNES) / PUSH	CAPACITY (TONNES) / PULL	CLOSED HEIGHT (H)	OUTSIDE DIAMETER (D1)	PISTON DIAMETER (D2) (MM)	PLUNGER HOLE DIA. (D3) (MM)	STROKE (MM)	MAXIMUM PRESSURE	FLUID LITRES	WEIGHT (KGS)
HR30-250DA	30	12	410	115	70	33.5	255	700	0.64	19
HR30-300DA	30	24	490	165	110	65	300	700	0.67	30
HR60-150DA	60	38	315	160	92	55	150	700	1.54	41
HR75-300DA	75	40	480	185	145	67	300	700	2.9	67
HR100-150DA	100	45	348	213	140	80	150	700	2.1	85
HR100-155DA	100	45	386	213	140	80	155	700	2.2	90
HR100-300DA	100	45	545	215	140	80	300	700	4.3	178
HR100-600	100	45	895	265	160	80	600	700	10.1	360
HR150-150DA	150	71	315	215	115	65	150	700	1.66	68
HR200-150DA	200	75	330	245	140	150	150	700	2.4	147
HR300-50DA	300	105	235	330	220	80	50	700	2.79	128
HR300-150DA	300	105	340	330	220	150	150	700	4.15	182



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