

LOCKING COLLAR CYLINDERS



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

Locking Collar Cylinders are designed for safe and reliable heavy lifting applications where mechanical load holding is essential.

Featuring a screw ram and locking collar mechanism, these cylinders provide a secure mechanical lock-off, ensuring the load remains safely supported even when hydraulic pressure is removed.

Engineered for demanding operations, Locking Collar Cylinders are ideal for bridge construction, structural lifting, offshore projects, heavy engineering, and infrastructure applications requiring long-term load support and maximum safety.

KEY FEATURES:

- Mechanical locking collar for secure load holding
- Prevents unintended load movement after lifting
- High-strength alloy steel construction
- High-pressure hydraulic operation
- Screw ram design for enhanced safety
- Hard chrome-plated piston for corrosion resistance
- Precise lifting and positioning
- Suitable for single or synchronized lifting systems
- Rugged, durable, and low-maintenance design

SPECIFICATIONS:

- **Cylinder Type:** Locking Collar Hydraulic Cylinder
- **Locking Mechanism:** Mechanical Screw Ram / Locking Collar
- **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)
- **Load Holding:** Positive mechanical lock-off
- **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:

- Bridge Construction & Rehabilitation
- Structural & Superstructure Lifting
- Heavy Equipment Installation
- Offshore & Marine Projects
- Infrastructure Maintenance
- Industrial Plant Maintenance
- Heavy Engineering
- Long-Term Load Support & Jacking Operations



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JACK CODE	CAPACITY (TONNES)	CLOSED HEIGHT (H)	OUTSIDE DIAMETER	PISTON DIAMETER	COLLAR DIAMETER	STROKE (MM)	MAXIMUM PRESSURE	FLUID (LITRES)	WEIGHT (KGS)
HJ10-45	10	100	75	35	65	45	700	0.1	3
HJ25-150	25	315	150x150	100x100	90	150	700	0.7	23
HJ30-50	30	150	100	60	90	50	700	0.3	10
HJ30-100	30	195	100	60	90	100	700	0.5	16
HJ30-200	30	325	100	60	90	200	700	0.8	24
HJ50-50	50	175	135	80	115	50	700	0.5	15
HJ50-100	50	215	135	80	115	100	700	0.8	21
HJ50-100B	50	245	135	80	115	100	700	0.8	26
HJ50-150	50	265	135	80	115	150	700	1.3	32
HJ50-200	50	325	135	80	115	200	700	1.4	36
HJ50-300	50	470	135	80	115	300	700	2.1	46
HJ60-50F	60	125	140	96	130	50	700	0.42	15
HJ80-100	80	200	152	100	150	100	700	1.3	26
HJ90-55	90	195	170	100	160	55	640	0.7	28
HJ100-45F	100	137	175	125	110	45	700	0.79	26
HJ100-50	100	140	185	125	180	50	700	0.88	29
HJ100-150	100	320	190	80	165	150	700	2.1	54
HJ100-150B	110	318	195	85	175	150	700	2	58
HJ100-250	100	375	185	80	175	250	700	3	72
HJ100-300	100	445	170	85	160	295	700	4.2	85
HJ100-300DA	100	440	195	90	170	300	700	4.4	88
HJ130-100	130	230	200	130	130	100	700	1.8	58
HJ150-15	150	115	200	160	190	15	700	0.4	26
HJ150-100	150	290	225	160	200	100	700	2.2	89
HJ160-45F	160	148	220	160	210	50	700	1.04	45
HJ180-40	180	195	230	160	220	40	700	1.1	54
HJ180-150	180	305	230	160	220	150	700	3.88	92
HJ180-300	180	465	230	160	220	300	700	7.5	172



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HJ200-100	200	300	260	200	255	100	700	3.4	84
HJ200-150	200	350	240	200	235	150	700	4.5	108
HJ250-45F	250	159	275	225	265	45	700	1.64	72
HJ250-50B	250	210	280	185	275	50	700	1.9	66
HJ250-50	250	250	290	185	275	50	700	1.8	88
HJ250-200DA	250	380	280	190	200	200	700	6.2	275
HJ300-50	300	190	290	340	330	50	700	2.9	92
HJ300-100	300	220	290	245	280	100	700	3.5	105
HJ300-150	300	470	300	180	290	150	700	4.7	134
HJ300-300	300	625	310	180	290	300	700	9.1	248
HJ360-50	360	175	310	260	300	50	700	3.4	94
HJ360-100	360	290	330	240	300	100	700	5.3	192
HJ400-45F	360	175	310	260	300	50	700	3.4	94
HJ400-150	400	420	360	240	350	150	700	7.1	102
HJ400-150B	415	440	335	195	190	150	700	7.6	105
HJ400-300DA	400	920	370	200	315	300	700	13.1	748
HJ520-45F	520	195	400	290	400	45	700	3.3	182
HJ520-50	520	265	420	305	415	50	700	4.1	187
HJ520-150	520	475	410	305	405	150	700	11.5	348
HJ520-300	520	520	410	305	410	300	700	21.1	595
HJ650-200DA	650	470	460	330	380	200	700	14.2	415
HJ800-45	800	275	460	360	450	45	700	4.8	395
HJ1600-40	1600	275	460	360	450	40	1500	4.1	335



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