

HEAVY DUTY

HYDRAULIC EQUIPMENT

Bitler Hydraulic equipment is known for its ability to generate high power with precise control, making it ideal for lifting, pushing, and moving heavy loads with efficiency and reliability.



**STRONG & HIGH
DURABILITY**



**EXCELLENT
PERFORMANCE**



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LIGHT WEIGHT HYDRAULIC HAND PUMP

TYPE
BRH-P-142 /392



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
COMPONENTS

PRODUCT FEATURES

- High Pressure, Manual Type, Light Weight, Portable, Easy to Operate, Wide Application Field.
- Two Speed Operation, Automatic Switching, High Performance, Large Oil Tank.
- Built-In Safety Valve to Avoid Damage Caused by High Pressure.
- Optional Directional Valve to Make It More Convenient to Operate Single Acting Cylinders.

PRODUCT INTRODUCTION

BITLER Light Weight Hydraulic Hand Pump is a kind of small high pressure hydraulic pump that can transfer mechanical power to the hydraulic power, matched with hydraulic cylinder for lifting heavy equipment, and other hydraulic tools for bending, aligning, cutting, riveting, assembling, dismantling etc.

Model	Working Pressure (MPa)		Oil Displacement per Stroke (ml)		Outlet Size	Oil Tank Capacity (ml)	Dimension (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage			
BRH-P-142	13	700	3.62	0.9	NPT1/4"	327	310×137×127
BRH-P-392	13	700	11.26	2.47	NPT3/8"	901	533×157×127

STEEL HYDRAULIC HAND PUMP



TYPE

BRH-P-462

TYPE

BRH-P-80



PRODUCT FEATURES

- Used with high tonnage hydraulic cylinder
- Compact all-steel design
- Heavy-duty, durable all-metal construction
- Large flow output at per stroke
- Two-speed operation, reduce operator labor intensity
- Stable and high-performance integrated control valve
- Large oil tank capacity to power a wide range of hydraulic cylinders and tools.
- Chrome-plated plunger and dust ring for long-lasting performance.

Model	Working Pressure (Bar)		Oil Displacement per Stroke (ml)		Outlet Size	Oil Tank Capacity (L)	Cylinder Type
	1st Stage	2nd Stage	1st Stage	2nd Stage			
BRH-P-80	34	700	16.22	2.46	NPT3/8"	2.2	Single Acting
BRH-P-84	34	700	16.22	2.46	NPT3/8"	2.2	Double Acting
BRH-P-462	14	700	126	4.7	NPT3/8"	7.4	Single Acting
BRH-P-464	14	700	126	4.7	NPT3/8"	7.4	Double Acting

ULTRA HIGH PRESSURE HYDRAULIC HAND PUMP

TYPE
BRH-P-1000 / 3000



PRODUCT FEATURES

- Maximum working pressure up to 300Mpa (43500Psi)
- Aerospace grade aluminum titanium alloy material makes it light weight, high strength and portable.
- Two stage design with high flow and high pressure. Pressure can be set arbitrarily. Internal pressure relief valve for overload protection. Built-in energy storage mechanism ensures stable pressure.
- Special oil tank cover design makes the oil tank has the good sealing property or air permeability, which can make air pressure keep balance inside and outside of the oil tank.
- Can be used in a vertical state when the pump head faces down.
- Double plungers design, high flow in low pressure, small flow in high pressure. Low handle force even at maximum working pressure.
- Used with ultra-high pressure hydraulic cylinder, bolt tensioners, hydraulic nuts, super high pressure nut splitters.

Model	Working Pressure (Bar)		Oil Displacement per Stroke (ml)		Outlet Size	Pressure Gauge Outlet	Oil Capacity (L)	Dimensions (mm)	Weight (Kg)
	1st Stage	2nd Stage	1st Stage	2nd Stage					
BRH-P-1000	2	100	32	1.6	G1/4"	G1/2"	2.2	620×120×160	9
BRH-P-1600	2	160	32	1.6	G1/4"	G1/2"	2.2	620×120×160	9
BRH-P-2000	2	200	32	0.9	G1/4"	G1/2"	2.2	620×120×160	11
BRH-P-2500	2	250	32	0.9	G1/4"	G1/2"	2.2	620×120×160	11
BRH-P-3000	2	300	32	0.9	G1/4"	G1/2"	2.2	620×120×160	11



ULTRA HIGH PRESSURE ELECTRIC HYDRAULIC PUMP

TYPE

BRH-DCB-150 / 300

PRODUCT FEATURES

- Double stage design, gear pump for the first stage, booster pump for the second stage, which can shorten the working period and improve working efficiency.
- Powerful induction motor can be started under full load.
- Can be equipped with lots of super high pressure hydraulic tools.
- Two built-in relief valves, one for overload protection set by factory, another for field adjustment the pressure.

PRODUCT INTRODUCTION

BITLER Ultra-high Pressure Electric Hydraulic Pump Station is suitable for continuous output in various industrial production application fields (100MPa- 300MPa), and can also be directly matched with corresponding ultra-high pressure hydraulic tools for pushing, pulling, expanding, clamping, bending, jacking, and extrusion etc.

Model	Working Pressure (MPa)	Flow (L/min)	Voltage (V)	Oil Tank Capacity (L)	Weight (kg)
BRH-DCB-150	150	1	380	25	50
BRH-DCB-200	200	0.8	380	30	60
BRH-DCB-250	250	0.4	380	30	60
BRH-DCB-300	300	0.2	380	30	60



ULTRA HIGH PRESSURE ELECTRIC HYDRAULIC PUMP

TYPE
BRH-DCB SERIES

PRODUCT INTRODUCTION

The ultra high pressure electric hydraulic pump is used with hydraulic bolt tensioners and ultra-high pressure hydraulic tools, and the installation and removal of large interference bearings, rudders, locomotive wheels and other equipment. The equipment adopts imported supercharger and high-pressure gear pump as the driving power source. Easy pressure adjustment.

Through the relief valve, manually adjust the driving pressure to control the output pressure. After reaching the preset pressure, the booster automatically stops working. Simple operation, compact structure and stable performance.

Model	Max. Working Pressure (MPa)	Boost Ratio	Oil Tank Capacity (L)	Output Flow	Power Supply	Outlet Number	Dimensions (mm)
BRH-DCB-2000A-10-6L	200	1:10	30	6L/min@0bar, 0.7L/min@2000bar	380V,50HZ	1	580 × 430 × 790
BRH-DCB-2500A-13-6L	250	1:13	30	6L/min@0bar, 0.5L/min@2500bar	380V,50HZ	1	580 × 430 × 790
BRH-DCB-3000A-16-6L	300	1:16	30	6L/min@0bar, 0.3L/min@3000bar	380V,50HZ	1	580 × 430 × 790
BRH-DCB-2000B-10-6L	200	1:10	70	6L/min@0bar, 0.7L/min@2000bar	380V,50HZ	2	580 × 430 × 790
BRH-DCB-2500B-14-8L	250	1:14	70	8L/min@0bar, 0.7L/min@2500bar	380V,50HZ	1	580 × 430 × 790
BRH-DCB-4000-20-8L	400	1:20	70	8L/min@0bar, 0.5L/min@4000bar	380V,50HZ	1	580 × 430 × 790
BRH-DCB-5000-25-14L	500	1:25	70	14L/min@0bar, 0.2L/min@5000bar	380V,50HZ	1	580 × 430 × 790

ELECTRIC HYDRAULIC PUMP



**SINGLE ACTING
ELECTRIC
HYDRAULIC PUMP**

BRH-DSB-75



**PORTABLE
ELECTRIC
HYDRAULIC PUMP**

BRH-SSB-55



**MANUAL
VALVE ELECTRIC
HYDRAULIC PUMP**

BRH-DSB-75



**SOLENOID VALVE
ELECTRIC
HYDRAULIC PUMP**

BRH-DSB-75



**DOUBLE ACTING
MANUAL VALVE
ELECTRIC
HYDRAULIC PUMP**

BRH-SSB-220

PRODUCT INTRODUCTION

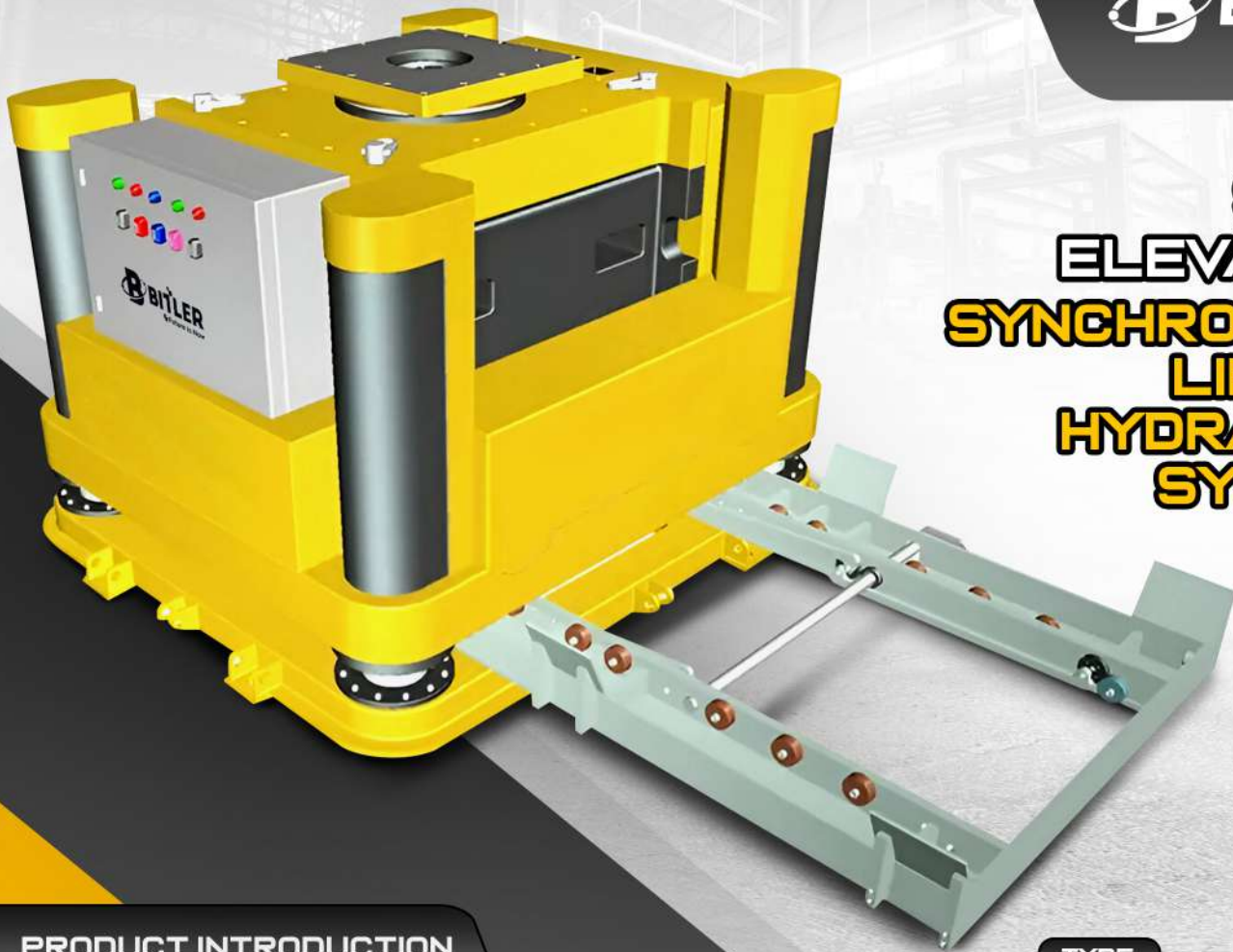
BITLER Electric Hydraulic Pump Station is pray coating, anti-corrosion, pollution resistant, and durable. Lightweight and compact design make it easy to be moved. External adjustable pressure valve makes it easy to calibrate the working pressure and avoid pressure overload. Motor starter has the function of preventing overload, overheat and leakage. Durable directional valve is suitable for single /double-acting hydraulic cylinders. The electromagnetic directional valve can be used for remote operation to be moved. External adjustable pressure valve makes it easy to calibrate the working pressure and avoid pressure overload. Motor starter has the function of preventing overload, overheat and leakage. Durable directional valve is suitable for single / double-acting hydraulic cylinders. The electromagnetic directional valve can be used for remote operation.

ELECTRIC HYDRAULIC PUMP



Model	Working Pressure (MPa)	Pump Type	Valve Type	Oil Tank Capacity (L)	Motor Power (KW)	Flow (L/min)	Voltage (V)	Current Frequency (HZ)	Dimensions (mm)
BRH-SSB-55	70	double acting	manual valve	10	0.55	0.4	220	50	430×285×430
BRH-SDB-55	70	double acting	solenoid valve	10	0.55	0.4	220	50	430×340×430
BRH-DSB-75	70	single acting	manual valve	16	0.75	1	380	50	440×290×580
BRH-SSB-75	70	double acting	manual valve	16	0.75	1	380	50	440×290×580
BRH-SDB-75	70	double acting	solenoid valve	16	0.75	1	380	50	500×290×580
BRH-DSB-220	70	single acting	manual valve	32	2.2	2	380	50	500×350×775
BRH-SSB-220	70	double acting	manual valve	32	2.2	2	380	50	500×350×775
BRH-SDB-220	70	double acting	solenoid valve	32	2.2	2	380	50	500×350×775
BRH-SSB-550	70	double acting	manual valve	70	5.5	4	380	50	690×480×950
BRH-SDB-550	70	double acting	solenoid valve	70	5.5	4	380	50	690×480×950
BRH-SSB-750	70	double acting	manual valve	100	7.5	5	380	50	800×520×1050
BRH-SDB-750	70	double acting	solenoid valve	100	7.5	5	380	50	800×520×1050

SELF ELEVATION SYNCHRONOUS LIFTING HYDRAULIC SYSTEM



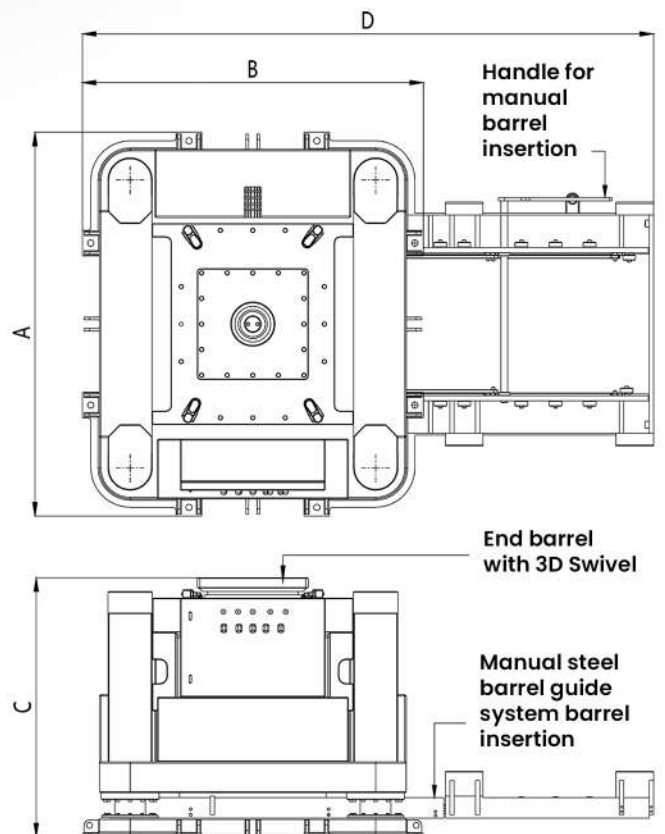
PRODUCT INTRODUCTION

The advantage of the system is that it is easy to assemble on site. The concept behind the system revolves around 4 strong lifting bases. There is a hydraulic jack in each base. Two temporary supports fixed to a hydraulic turntable are incorporated on the top of the bases. With the starting beams in position above the supports and the jacks fully retracted, the first lines of beams can be automatically inserted between the supports, utilizing the integral feed-in system.

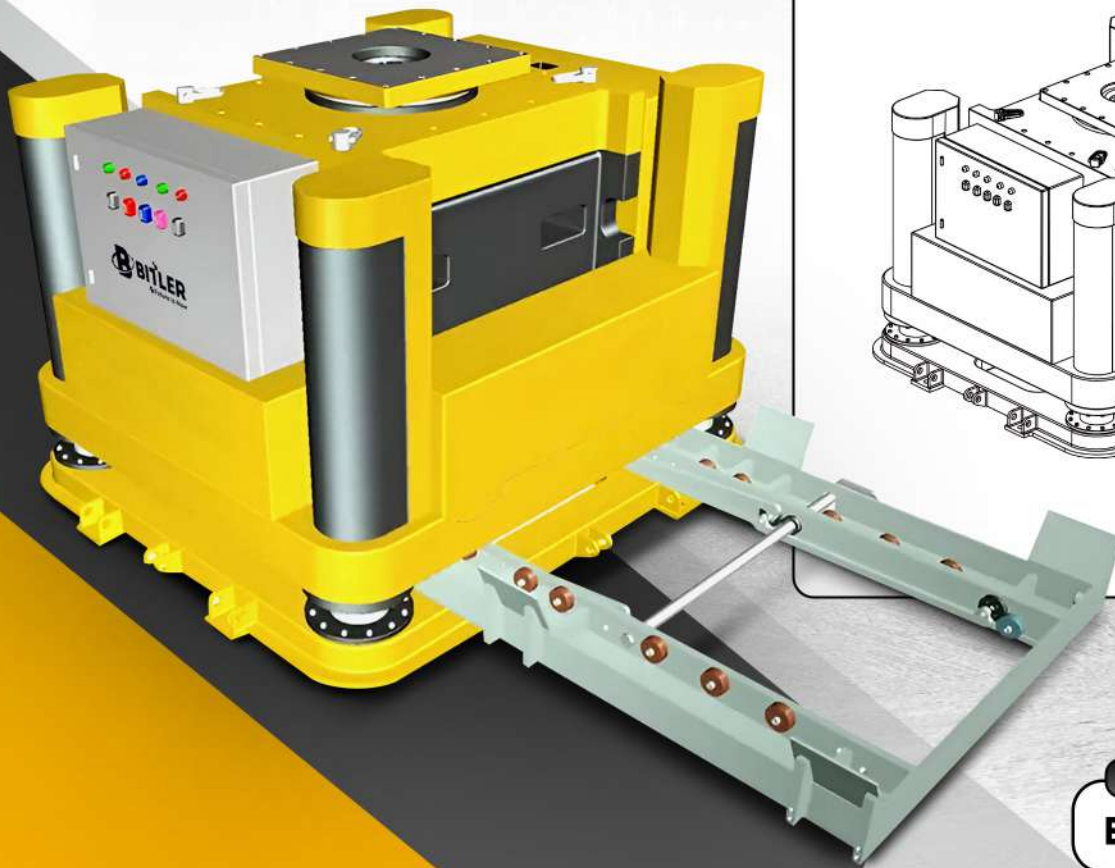
Once in location, the jacks extend and raise the beams above the temporary supports. The supports are rotated before the jack lowers the beams onto the rotated supports. This cycle is repeated until the required height is reached. Once the lift has been completed, the whole system can be containerized ready for the next project. The control of the system will be done by computer from the special designed control room. All data like deck height, weight, ground settlement etc. is collected on one location. This provides substantial levels of safety for the operation.

TYPE

BRH-JS SERIES



SELF ELEVATION SYNCHRONOUS LIFTING HYDRAULIC SYSTEM



TYPE

BRH-JS SERIES

PRODUCT FEATURES

- Modular design, each lifting platform load 1000-2000T
- Multiple sets of on-site combination are used to meet wider needs
- Compact design, saving space
- System integration, can be used in conjunction with the weighing system to enhance stability
- Variable floor area, very suitable for different site use
- All systems are containerized to achieve cost-effective transportation

Model	Capacity per Tower (T)	Max. Sideload	Base Frame Dimensions (mm)				Barrel Dimensions L × W × H (mm)	Weight (kg)
			A	B	C	D		
BRH-JS-125	125	3%@6m	1200	1100	990	1850	600×600×250	2200
BRH-JS-250	250	3%@10m	2250	2050	1475	3450	1150×1150×500	7500
BRH-JS-500	500	4%@10m	2800	2300	1700	4500	1700×1700×700	13000
BRH-JS-700	700	5%@20m	3670	3250	2375	6100	2300×2300×1000	24000

LARGE FLOW ULTRA-HIGH PRESSURE PNEUMATIC HYDRAULIC PUMP



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY

TYPE
BRH-LSB SERIES

PRODUCT INTRODUCTION

In order to adapt to the harsh offshore environment, a large flow ultra-high pressure pneumatic hydraulic pump is used, and stainless steel parts are used to transform it. In addition, the tank capacity has been doubled to meet the demands of subsea tensioning.

- 1. Stainless Steel Structure:** Constructed from high quality stainless steel material. The stainless steel construction is designed to mitigate corrosion from the harshest offshore environments.
- 2. Fast Operation:** High flow ultra high pressure pneumatic hydraulic pump provides maximum flow to reduce work task time and improve work efficiency
- 3. Optional:** The handle can be equipped with a CNC operator panel to control the pressure and torque of the hydraulic pumping station.
- 4. Optional:** Each bolt, workstation, staff and installation date is numbered, the device automatically saves the installation results, and it also has the function of uploading data online or wirelessly.

Model	Working Pressure (MPa)	Flow (L/min)	Air Source (bar)	Motor Power (Kw)	Oil Tank Capacity (L)	Dimensions (mm)	Weight (kg)
BRH-LSB-200A	200	0.1-3	0.2-0.8	2.8	9	42×42×39	28
BRH-LSB-200B	200	0.3-4.5	0.2-0.8	2.8	9	42×42×39	28
BRH-LSB-280A	280	0.1-3	0.2-0.8	3.5	9	42×42×39	32
BRH-LSB-280B	280	0.3-4.5	0.2-0.8	3.5	9	42×42×39	32
BRH-LSB-400A	400	0.1-3	0.2-0.8	5.0	9	45×45×49	40
BRH-LSB-400B	400	0.3-4.5	0.2-0.8	5.0	9	45×45×49	40

INTELLIGENT ELECTRIC HYDRAULIC PUMP FOR HYDRAULIC WRENCH



**EXCELLENT
PERFORMANCE**



**STRONG & HIGH
DURABILITY**

TYPE

BRH-PT SERIES

PRODUCT FEATURES

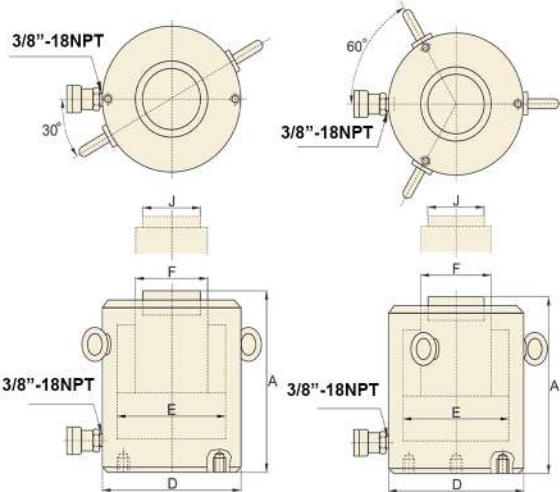
This pump adopts three-stage plunger pump, brushless motor (no spark) design, with low rotate speed, good heat dissipation, and equipped with hydraulic oil filter. Hydraulic oil can be used for more than 300 hours. The pressure display uses an electronic LED digital display device. Pressure unit is standard (bar, MPa and psi) and the temperature is displayed. The hydraulic pump has thermal overload protection. When the oil temperature exceeds 80°C, it will automatically stop to protect the pump body. The automatic mode and manual mode can be switched arbitrarily, and the green button can be automatically tightened by continuously pressing. With self-diagnosis and test functions.

Model	Working Pressure (MPa)	Flow (L/min)	Oil Tank Capacity (L)	Motor Power (KW)	Power Supply	Dimensions (mm)	Weight (kg)
BRH-PT-702	70	0.7-1.8-6.5	6	0.55	230V,50Hz	600×460×500	25
BRH-PT-703	70	1.3-3.4-8.5	6	1.1	230V,50Hz	600×460×500	30
BRH-PT-706	70	2.0-5.2-12.0	20	2.2	230V,50Hz	600×460×500	50

SINGLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

TYPE

BRH-CSLG SERIES



BRH-CLSG-502 ~
BRH-CLSG-15012

BRH-CLSG-2002 ~
BRH-CLSG-100012

PRODUCT FEATURES

- Max. Working Pressure: 700bar
- Single acting design, load return.
- Integral stop ring provides piston blow-out protection.
- Built-in scraper seal reduces contamination, extending cylinder life.
- Standard rigid deep groove saddle, can choose a 5 degree tilt saddle to adapt to component unevenly situation.
- 3/8" - 18NPT coupler and dust cap included on all models.

APPLICATION INDUSTRY

1. Synchronous lifting to replace the rubber bearing for bridge maintenance. Synchronous lifting to replace the rubber bearing for high speed rail maintenance.
2. Shipyard main engine and diesel engine installation and adjustment. Synchronous lifting of steam turbine maintenance in thermal power plant.
3. Synchronous separation of speed reducer and roller press maintenance in cement plant.
4. Lifting operation of large equipment installation and maintenance. Welding adjustment of locomotive manufacturing car body structure.

APPLICATION



Building Rectification and Jacking



Shipyard Propeller Tuning



Synchronous lifting to replace the rubber bearing for bridge maintenance.



Alternate synchronous jacking of highway bridges

SINGLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Plunger Diameter F (mm)	Saddle Diameter J (mm)	Weight (kg)
BRH-CLSG-502	50	162	50	77	385	130	70	50	17
BRH-CLSG-504		212	100		770				20
BRH-CLSG-506		262	150		1155				23
BRH-CLSG-508		312	200		1540				27
BRH-CLSG-5010		362	250		1924				31
BRH-CLSG-5012		412	300		2309				34
BRH-CLSG-1002	100	182	50	132.7	664	165	95	75	19
BRH-CLSG-1004		232	100		1327				29
BRH-CLSG-1006		282	150		1991				40
BRH-CLSG-1008		332	200		2655				50
BRH-CLSG-10010		382	250		3318				61
BRH-CLSG-10012		432	300		3982				71
BRH-CLSG-1502	150	196	50	198.6	993	205	114	94	39
BRH-CLSG-1504		246	100		1986				52
BRH-CLSG-1506		296	150		2978				65
BRH-CLSG-1508		346	200		3971				78
BRH-CLSG-15010		396	250		4964				92
BRH-CLSG-15012		446	300		5957				105
BRH-CLSG-2002	200	216	50	265.9	1330	235	133	113	55
BRH-CLSG-2006		316	150		3989				91
BRH-CLSG-20012		446	300		7977				146
BRH-CLSG-2502	250	235	50	366.4	1832	275	165	145	102
BRH-CLSG-2506		335	150		5497				136
BRH-CLSG-25012		485	300		10993				207
BRH-CLSG-3002	300	312	50	456.2	2281	310	195	177	184
BRH-CLSG-3006		412	150		6843				232
BRH-CLSG-30012		562	300		13685				303
BRH-CLSG-4002	400	375	50	559.9	2800	350	215	196	270
BRH-CLSG-4006		475	150		8399				330
BRH-CLSG-40012		625	300		16797				421
BRH-CLSG-5002	500	419	50	730.6	3653	400	250	228	401
BRH-CLSG-5006		519	150		10959				480
BRH-CLSG-50012		669	300		21918				599
BRH-CLSG-6002	600	429	50	855.3	4276	430	270	247	474
BRH-CLSG-6006		529	150		12829				565
BRH-CLSG-60012		679	300		25659				701
BRH-CLSG-8002	800	474	50	1176.3	5881	505	320	297	741
BRH-CLSG-8006		574	150		17644				880
BRH-CLSG-80012		724	300		35288				1058
BRH-CLSG-10002	1000	564	50	1465.7	7329	560	345	323	1062
BRH-CLSG-10006		664	150		21986				1213
BRH-CLSG-100012		814	300		43972				1439

SINGLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

TYPE

BRH-HCG SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY

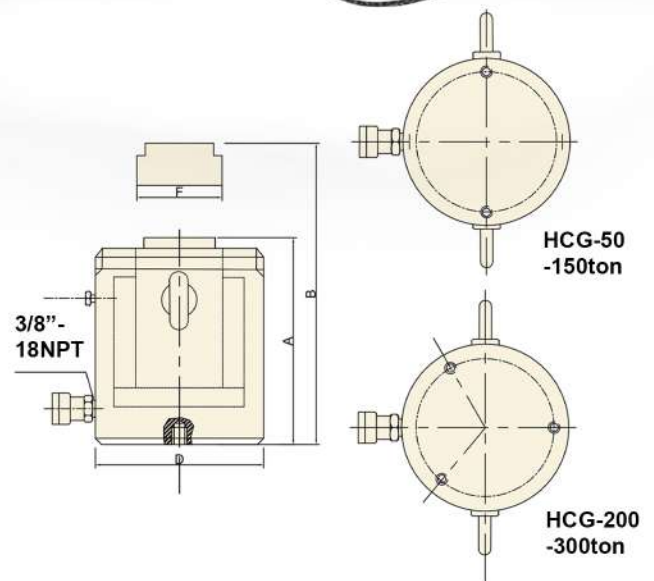


HIGH QUALITY MATERIAL



PRODUCT FEATURES

- Hardened surface resists side loads and cyclic wear
- Up to 10% side load resistance
- Stop ring to prevent plunger over travel
- Replaceable bearings are installed on both the upper and lower parts to provide support throughout the plunger stroke
- The cylinder body has outer ring threads, mounting ears, and the base has mounting holes
- 3/8"-18NPT coupler and dust cap included on all models



SINGLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER



Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Plunger Diameter F (mm)	Saddle Diameter J (mm)	Weight (kg)
BRH-HCG-502	50	183	50	78.5	393	130	70	50	17
BRH-HCG-504		233	100		785				20
BRH-HCG-506		283	150		1178				24
BRH-HCG-508		346	200		1571				29
BRH-HCG-5010		396	250		1963				32
BRH-HCG-5012		446	300		2356				36
BRH-HCG-1002	100	202	50	143.1	716	175	95	75	33
BRH-HCG-1004		252	100		1431				40
BRH-HCG-1006		302	150		2147				46
BRH-HCG-1008		379	200		2863				58
BRH-HCG-10010		429	250		3578				65
BRH-HCG-10012		479	300		4294				71
BRH-HCG-1502	150	220	50	213.8	1069	215	120	94	56
BRH-HCG-1504		270	100		2138				66
BRH-HCG-1506		320	150		3207				76
BRH-HCG-1508		397	200		4276				94
BRH-HCG-15010		447	250		5346				104
BRH-HCG-15012		497	300		6415				115
BRH-HCG-2002	200	231	50	283.5	1418	250	140	113	81
BRH-HCG-2004		281	100		2835				95
BRH-HCG-2006		331	150		4253				109
BRH-HCG-2008		408	200		5671				136
BRH-HCG-20010		458	250		7088				150
BRH-HCG-20012		508	300		8506				164

SINGLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Plunger Diameter F (mm)	Saddle Diameter J (mm)	Weight (kg)
BRH-HCG-2502	250	241	50	363.1	1815	280	170	145	107
BRH-HCG-2504		291	100		3631				125
BRH-HCG-2506		341	150		5446				144
BRH-HCG-2508		431	200		7261				182
BRH-HCG-25010		481	250		9076				201
BRH-HCG-25012		531	300		10892				219
BRH-HCG-3002	300	296	50	433.7	2169	305	200	177	158
BRH-HCG-3004		346	100		4337				182
BRH-HCG-3006		396	150		6506				206
BRH-HCG-3008		446	200		8675				230
BRH-HCG-30010		496	250		10843				254
BRH-HCG-30012		546	300		13012				278
BRH-HCG-4002	400	321	50	572.6	2863	350	220	196	227
BRH-HCG-4004		371	100		5726				257
BRH-HCG-4006		421	150		8588				287
BRH-HCG-4008		471	200		11451				317
BRH-HCG-40010		521	250		14314				347
BRH-HCG-40012		571	300		17177				378
BRH-HCG-5002	500	344	50	730.6	3653	400	250	228	319
BRH-HCG-5004		394	100		7306				359
BRH-HCG-5006		444	150		10959				399
BRH-HCG-5008		494	200		14612				439
BRH-HCG-50010		544	250		18265				479
BRH-HCG-50012		594	300		21918				519
BRH-HCG-6002	600	352	50	855.3	4276	430	270	247	378
BRH-HCG-6004		402	100		8553				424
BRH-HCG-6006		452	150		12829				470
BRH-HCG-6008		502	200		17106				516
BRH-HCG-60010		552	250		21382				562
BRH-HCG-60012		602	300		25659				608
BRH-HCG-8002	800	404	50	1164.2	5821	505	320	297	606
BRH-HCG-8004		454	100		11642				671
BRH-HCG-8006		504	150		17462				735
BRH-HCG-8008		554	200		23283				800
BRH-HCG-80010		604	250		29104				864
BRH-HCG-80012		654	300		34925				929
BRH-HCG-10002	1000	442	50	1520.5	7603	570	340	323	840
BRH-HCG-10004		492	100		15205				916
BRH-HCG-10006		542	150		22808				992
BRH-HCG-10008		592	200		30411				1068
BRH-HCG-100010		642	250		38013				1145
BRH-HCG-100012		692	300		45616				1221

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

TYPE

BRH-CLRG SERIES



EASY TO USE

EXCELLENT
PERFORMANCESTRONG & HIGH
DURABILITYHIGH QUALITY
MATERIAL

PRODUCT INTRODUCTION

Double acting high tonnage hydraulic cylinder (electric hydraulic cylinder) has the characteristics of large output power, light weight, and long distance operation in any space position. Equipped with electric hydraulic pump station, it can realize various operations such as lifting, pushing, pulling, squeezing and pressing. It is widely used in equipment installation and maintenance of transportation, railway, bridge, shipbuilding, construction, factories and mines. High tonnage hydraulic cylinders have the most functions and the strongest lifting durability, especially designed for heavyduty lifting, heavy pressure and industrial production.

PRODUCT FEATURES

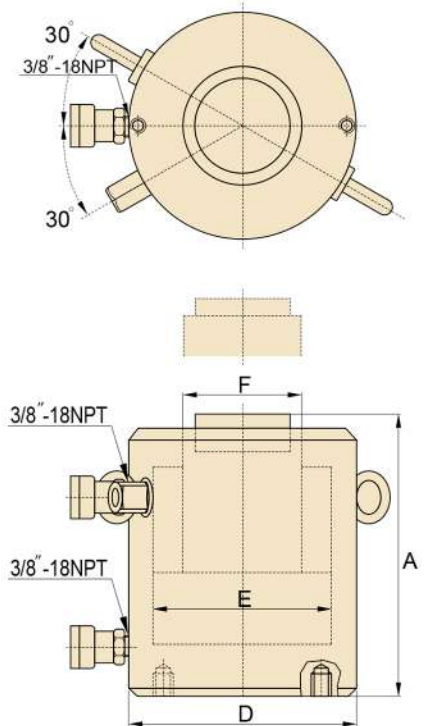
- Max. working pressure: 700bar
- Double-acting design contribute to fast lifting speed and retracting speed
- Built-in safety valve prevents damage in case of over-pressurization
- Hard chrome-plated piston rod prevent corrosion and strain
- Dust ring design prevents contamination inside the cylinder
- 3/8"-18NPT coupler and dust cap are included on all models

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

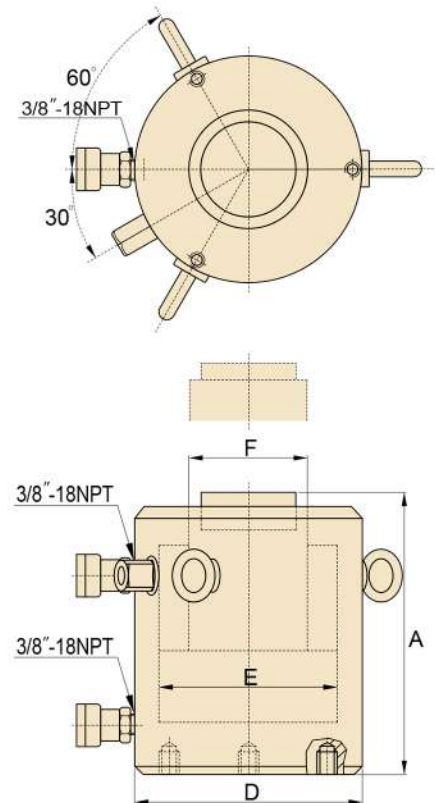


APPLICATION

- Synchronous lifting to replace rubber bearings for bridge maintenance
- Bridge synchronous lifting and settlement renovation
- House translation and lifting
- Synchronous lifting and replacement of steel plant blast furnace
- Synchronous Lifting and Maintenance of Steam Turbine in Power Plant
- Synchronous lifting and maintenance of hydraulic turbines in hydropower plants
- Shipyard main engine and diesel engine installation and adjustment
- Synchronous lifting and maintenance of electric shove in mining company
- Slope adjustment and docking of urban viaduct
- Synchronous lifting and raising of overpass
- Static pile test
- Cement plant rotary kiln maintenance lifting
- Synchronous lifting of coal mill overhaul in thermal power plant
- Transformer synchronous lifting up in place
- Shipyard hull synchronous lifting
- Large equipment lifting and maintenance



BRH-CLRG-502 ~ BRH-CLRG-15012



BRH-CLRG-2002 ~ BRH-CLRG-100012

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)		Outside Diameter D (mm)	Plunger Diameter F (mm)	Weight (kg)
					Push	Pull			
BRH-CLRG-502	50	162	50	77	385	192	130	70	17
BRH-CLRG-504		212	100		770	385			20
BRH-CLRG-506		262	150		1155	577			23
BRH-CLRG-508		312	200		1540	770			27
BRH-CLRG-5010		362	250		1924	962			31
BRH-CLRG-5012		412	300		2309	1155			34
BRH-CLRG-1002	100	179	50	132.7	664	309	165	95	29
BRH-CLRG-1004		229	100		1327	619			34
BRH-CLRG-1006		279	150		1991	928			40
BRH-CLRG-1008		329	200		2655	1237			46
BRH-CLRG-10010		379	250		3318	1546			52
BRH-CLRG-10012		429	300		3982	1856			58
BRH-CLRG-1502	150	196	50	198.6	993	482	205	114	39
BRH-CLRG-1504		246	100		1986	965			52
BRH-CLRG-1506		296	150		2978	1447			65
BRH-CLRG-1508		346	200		3971	1930			78
BRH-CLRG-15010		396	250		4964	2412			92
BRH-CLRG-15012		446	300		5957	2895			105
BRH-CLRG-2002	200	212	50	265.9	1330	635	235	133	55
BRH-CLRG-2006		312	150		3989	1905			91
BRH-CLRG-20012		462	300		7977	3809			146
BRH-CLRG-2502	250	235	50	366.4	1832	763	275	165	89
BRH-CLRG-2506		335	150		5497	2289			136
BRH-CLRG-25012		485	300		10993	4578			207
BRH-CLRG-3002	300	322	50	456.2	2281	757	310	197	184
BRH-CLRG-3006		422	150		6843	2270			232
BRH-CLRG-30012		572	300		13685	4541			303
BRH-CLRG-4002	400	374	50	559.9	2800	967	350	216	270
BRH-CLRG-4006		474	150		8399	2902			330
BRH-CLRG-40012		624	300		16797	5804			421
BRH-CLRG-5002	500	419	50	730.6	3653	1238	400	248	401
BRH-CLRG-5006		519	150		10959	3713			480
BRH-CLRG-50012		669	300		21918	7427			599
BRH-CLRG-6002	600	429	50	855.3	4276	1477	430	267	474
BRH-CLRG-6006		529	150		12829	4431			565
BRH-CLRG-60012		679	300		25659	8862			701
BRH-CLRG-8002	800	484	50	1176.3	5881	1935	505	317	741
BRH-CLRG-8006		584	150		17644	5806			868
BRH-CLRG-80012		734	300		35288	11611			1058
BRH-CLRG-10002	1000	564	50	1465.7	7329	2709	560	343	1062
BRH-CLRG-10006		664	150		21986	8126			1213
BRH-CLRG-100012		814	300		43972	16252			1439
BRH-CLRG-20006	2000	840	150	2920.9	43815	10739	850	530	3657

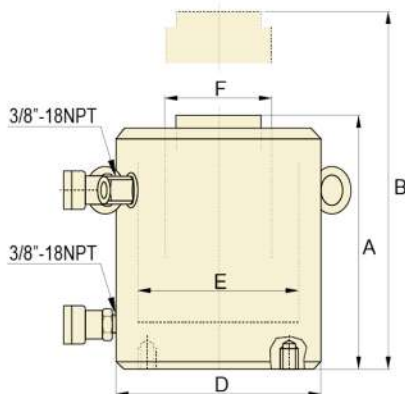
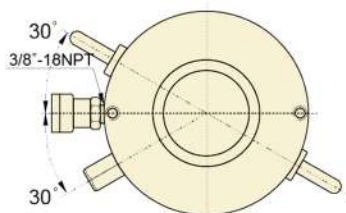
DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

TYPE

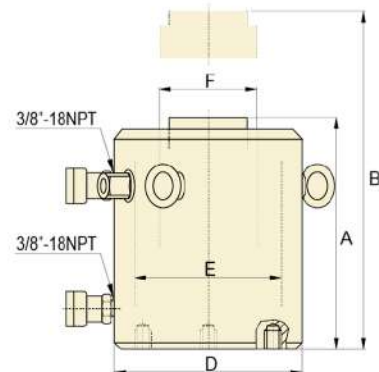
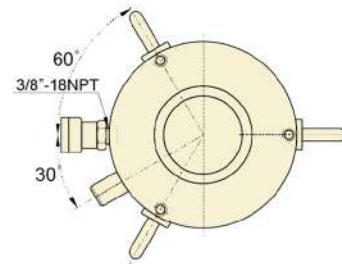
BRH-HCR SERIES

PRODUCT FEATURES

1. Fast forward and backward
10% side load resistance at full stroke
2. Hardened surface resists side loads and cyclic wear
3. Replaceable saddles are installed on both the upper and lower parts to provide support throughout the stroke of the plunger
4. The cylinder body has outer ring threads, mounting ears, and the base has mounting holes
5. NPT3/8"-18NPT coupler and dust cap included on all models



BRH-HCR-502 ~ BRH-HCR-15012



BRH-HCR-2002 ~ BRH-HCR-100012

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER



Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height (mm)	Outside Diameter D (mm)	Plunger Diameter F (mm)	Weight (kg)
BRH-HCR-502	50	183	50	78.5	393	233	130	70	17
BRH-HCR-504		233	100		785	333			21
BRH-HCR-506		283	150		1178	433			25
BRH-HCR-508		346	200		1571	546			31
BRH-HCR-5010		396	250		1963	646			34
BRH-HCR-5012		446	300		2356	746			38
BRH-HCR-1002	100	202	50	143.1	716	252	175	95	34
BRH-HCR-1004		252	100		1431	352			41
BRH-HCR-1006		302	150		2147	452			48
BRH-HCR-1008		379	200		2863	579			59
BRH-HCR-10010		429	250		3578	679			66
BRH-HCR-10012		479	300		4294	779			73
BRH-HCR-1502	150	220	50	213.8	1069	270	215	120	56
BRH-HCR-1504		270	100		2138	370			67
BRH-HCR-1506		320	150		3207	470			78
BRH-HCR-1508		397	200		4276	597			95
BRH-HCR-15010		447	250		5346	697			106
BRH-HCR-15012		497	300		6415	797			116
BRH-HCR-2002	200	231	50	283.5	1418	281	250	140	81
BRH-HCR-2004		281	100		2835	381			96
BRH-HCR-2006		331	150		4253	481			111
BRH-HCR-2008		408	200		5671	608			139
BRH-HCR-20010		458	250		7088	708			153
BRH-HCR-20012		508	300		8506	808			168

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height (mm)	Outside Diameter D (mm)	Plunger Diameter F (mm)	Weight (kg)
BRH-HCR-2502	250	241	50	363.1	1815	291	280	170	107
BRH-HCR-2504		291	100		3631	391			127
BRH-HCR-2506		341	150		5446	491			146
BRH-HCR-2508		431	200		7261	631			184
BRH-HCR-25010		481	250		9076	731			207
BRH-HCR-25012		531	300		10892	831			227
BRH-HCR-3002	300	296	50	433.7	2169	346	305	200	159
BRH-HCR-3004		346	100		4337	446			183
BRH-HCR-3006		396	150		6506	546			208
BRH-HCR-3008		446	200		8675	646			232
BRH-HCR-30010		496	250		10843	746			257
BRH-HCR-30012		546	300		13012	846			281
BRH-HCR-4002	400	321	50	409	2863	371	350	220	227
BRH-HCR-4004		371	100		5726	471			258
BRH-HCR-4006		421	150		8588	571			289
BRH-HCR-4008		471	200		11451	671			321
BRH-HCR-40010		521	250		14314	771			352
BRH-HCR-40012		571	300		17177	871			383
BRH-HCR-5002	500	344	50	522	3653	394	400	250	320
BRH-HCR-5004		394	100		7306	494			361
BRH-HCR-5006		444	150		10959	594			402
BRH-HCR-5008		494	200		14612	694			443
BRH-HCR-50010		544	250		18265	794			484
BRH-HCR-50012		594	300		21918	894			525
BRH-HCR-6002	600	352	50	611	4276	402	430	270	379
BRH-HCR-6004		402	100		8553	502			427
BRH-HCR-6006		452	150		12829	602			474
BRH-HCR-6008		502	200		17106	702			521
BRH-HCR-60010		552	250		21382	802			568
BRH-HCR-60012		602	300		25659	902			615
BRH-HCR-8002	800	404	50	831	5821	454	505	320	608
BRH-HCR-8004		454	100		11642	554			674
BRH-HCR-8006		504	150		17462	654			740
BRH-HCR-8008		554	200		23283	754			806
BRH-HCR-80010		604	250		29104	854			872
BRH-HCR-80012		654	300		34925	954			938
BRH-HCR-10002	1000	442	50	1085	7603	492	570	340	843
BRH-HCR-10004		492	100		15205	592			921
BRH-HCR-10006		542	150		22808	692			1000
BRH-HCR-10008		592	200		30411	792			1079
BRH-HCR-100010		642	250		38013	892			1158
BRH-HCR-100012		692	300		45616	992			1236

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

APPLICATION



Synchronous lifting for High-speed railway bridge settlement remediation



Synchronous lifting for replacement of bridge rubber bearings



Synchronous house lifting, rectification and translation



Synchronous lifting and maintenance of herringbone door



Synchronous lifting for 500T port floating crane maintenance



Synchronous lifting and moving of large pressure vessels



Synchronous lifting and weighing of large steel structures



Synchronous lifting and installation of nuclear reactor pressure vessel



Synchronous lifting for large electric shovel maintenance



Static load experiment of high-rise building pile foundation



Synchronous lifting and docking of bridge slope adjustment



Matched with horizontal press

SINGLE ACTING LOW HEIGHT LOCK NUT HYDRAULIC CYLINDER

TYPE
BRH-CLP SERIES



**STRONG & HIGH
DURABILITY**



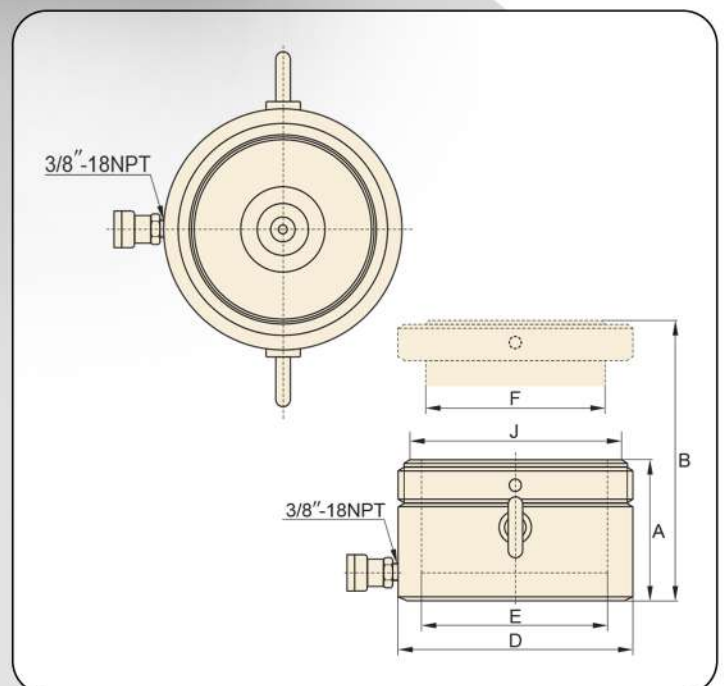
**EXCELLENT
PERFORMANCE**



**HIGH QUALITY
MATERIAL**

PRODUCT FEATURES

- Max. Working pressure: 700bar
- Single acting design, load return
- Suitable for lifting work which requires plunger extends for a long time
- Mechanical nut bearing with the load, so it can tighten the mechanical nut at any position in the stroke to make sure the operation safety
- Ultra-thin design, suitable for highly limited space
- Lateral load supported is equivalent 3% load capacity
- Cylinder equipped with ball type saddle to adapt component rough.
- Optional manual check valve can be used at the same time to ensure the safety of lifting and lowering process
- 3/8-18NPT coupler and dust cap included on all models



SINGLE ACTING LOW HEIGHT LOCK NUT HYDRAULIC CYLINDER



Synchronous lifting to replace the rubber bearing for bridge maintenance



Synchronous lifting to replace the rubber bearing for bridge maintenance



Synchronous lifting to replace the rubber bearing for bridge maintenance



Synchronous lifting and positioning of nuclear island dome



Synchronous lifting to replace the rubber bearing for bridge maintenance



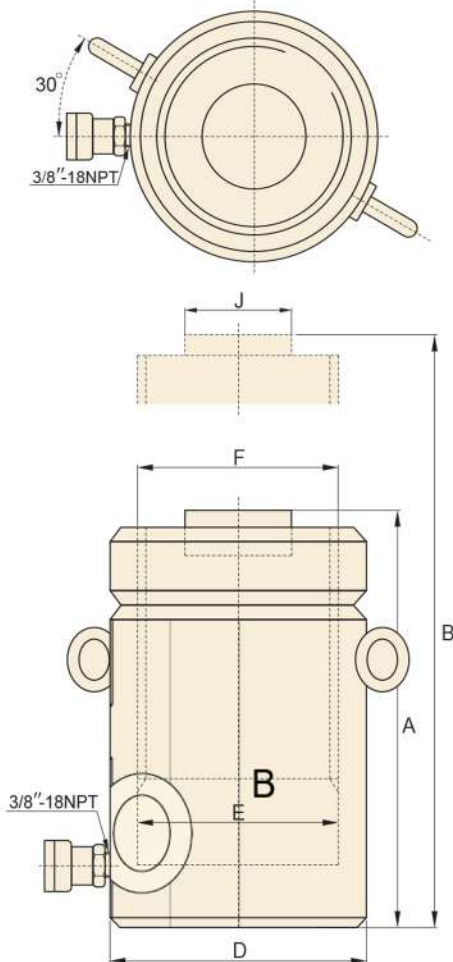
Long term support for large press installation

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height B (mm)	Saddle Diameter J (mm)	Plunger Diameter (mm)	Outside Diameter D (mm)	Weight (kg)
BRH-CLP-602	60	125	50	86.6	432	175	96	Tr104×4	140	15
BRH-CLP-1002	100	137	50	146.8	734	187	126	Tr136×6	175	26
BRH-CLP-1602	160	148	45	231.3	1040	193	160	Tr171×6	220	44
BRH-CLP-2002	200	155	45	285.6	1285	200	180	Tr190×6	245	57
BRH-CLP-2502	260	159	45	366.8	1650	204	200	Tr216×6	275	74
BRH-CLP-4002	400	178	45	559.5	2517	223	250	Tr266×6	350	134
BRH-CLP-5002	520	192	45	730.6	3287	237	290	Tr305×6	400	189

SINGLE ACTING LOW HEIGHT LOCK NUT HYDRAULIC CYLINDER

TYPE

BRH-CLL SERIES



APPLICATION INDUSTRY

- Synchronous lifting to replace the rubber bearing for bridge maintenance
- Shipyard mainframe installation adjustment
- Diesel engine installation and adjustment
- Synchronous lifting of steam turbine maintenance in thermal power plant
- Long-term support for maintenance of large press

PRODUCT FEATURES

- Max. Working pressure: 700bar
- Safe lock nut designed for mechanical load bearing.
- Single acting, load return
- Baked enamel finish for increased corrosion resistance.
- Special synthetic coating for improved corrosion resistance and lower friction for smoother operation
- Overflow port functions as a stroke limiter
- Interchangeable, hardened grooved saddles as standard
- Suitable for lifting work which requires plunger extends for a long time
- 3/8"- 18NPT coupler and dust cap included on all models

SINGLE ACTING LOW HEIGHT LOCK NUT HYDRAULIC CYLINDER

APPLICATION



Long-term support for bridge elevation



Concrete structural strength test



Synchronous lifting and replacing rubber bearings for bridge maintenance



Long-term support for large motor maintenance



Long-term support for gantry crane maintenance



Long-term support for bridge elevation

SINGLE ACTING LOW HEIGHT LOCK NUT HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Bore Diameter E (mm)	Plunger Diameter (mm)	Saddle Diameter J (mm)	Weight (kg)
BRH-CLL-502	50	164	50	70.9	355	125	95	Tr95×4	71	15
BRH-CLL-504		214	100		709					20
BRH-CLL-506		264	150		1064					25
BRH-CLL-508		314	200		1418					30
BRH-CLL-5010		364	250		1773					35
BRH-CLL-5012		414	300		2127					40
BRH-CLL-1002	100	187	50	132.7	664	165	130	Tr130×6	71	30
BRH-CLL-1004		237	100		1327					39
BRH-CLL-1006		287	150		1991					48
BRH-CLL-1008		337	200		2654					56
BRH-CLL-10010		387	250		3318					64
BRH-CLL-10012		437	300		3981					73
BRH-CLL-1502	150	209	50	198.6	993	205	159	Tr159×6	130	53
BRH-CLL-1504		259	100		1986					66
BRH-CLL-1506		309	150		2979					78
BRH-CLL-1508		359	200		3972					92
BRH-CLL-15010		409	250		4965					104
BRH-CLL-15012		459	300		5958					117
BRH-CLL-2002	200	243	50	265.6	1330	235	184	Tr184×6	130	83
BRH-CLL-2006		343	150		3989					117
BRH-CLL-20012		493	300		7995					170
BRH-CLL-2502	250	249	50	366.1	1832	275	216	Tr216×6	150	116
BRH-CLL-2506		349	150		5496					162
BRH-CLL-25012		499	300		10995					234
BRH-CLL-3002	300	295	50	456.2	2281	310	241	Tr241×6	139	173
BRH-CLL-3006		395	150		6843					233
BRH-CLL-30012		545	300		13740					323
BRH-CLL-4002	400	335	50	559.9	2800	350	266	Tr266×6	159	250
BRH-CLL-4006		435	150		8399					327
BRH-CLL-40012		585	300		16800					441
BRH-CLL-5002	500	375	50	731.1	3653	400	305	Tr305×6	179	367
BRH-CLL-5006		475	150		10959					466
BRH-CLL-50012		625	300		21930					617
BRH-CLL-6002	600	395	50	854.8	4277	430	330	Tr330×6	194	446
BRH-CLL-6006		495	150		12830					562
BRH-CLL-60012		645	300		25650					737
BRH-CLL-8002	800	455	50	1176.9	5882	505	387	Tr387×6	224	709
BRH-CLL-8006		555	150		17645					870
BRH-CLL-80012		705	300		35370					1110
BRH-CLL-10002	1000	495	50	1466.4	7329	560	432	Tr432×6	249	949
BRH-CLL-10006		595	150		21986					1141
BRH-CLL-100012		745	300		43980					1430

DOUBLE ACTING MECHANICAL LOCK NUT HYDRAULIC CYLINDER

TYPE

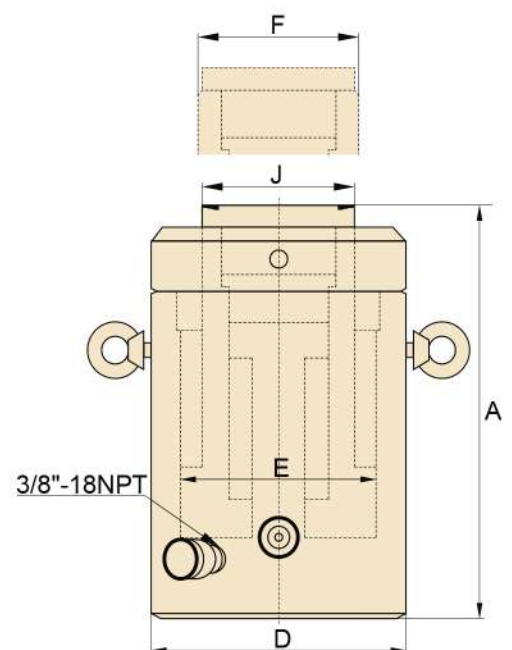
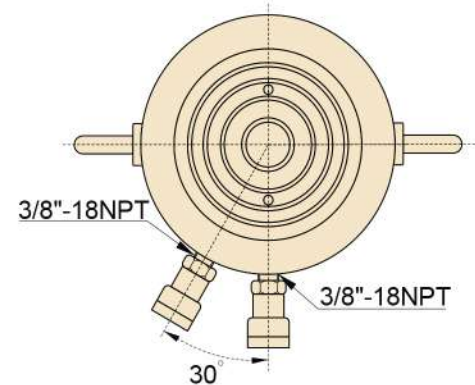
BRH-CLLRS SERIES



BITLER
Future is Now

PRODUCT FEATURES

- Max. working pressure: 700bar
- Double acting, hydraulic return
- Mechanical nut locking provides the most secure protection
- The cylinder is designed to withstand a lateral load equal to 10% of the rated load
- Built-in safety valve prevents excessive return pressure of the piston rod
- Dust ring design can reduce pollution and extend service life
- Standard hard deep groove saddle. 5 degree tilting saddle can be selected to adapt to uneven parts
- Tube or plate type hydraulic check valve or one-way throttle valve is optional to ensure safety of lifting and lowering process
- 3/8"-18NPT coupler and dust cap are included in all models



DOUBLE ACTING MECHANICAL LOCK NUT HYDRAULIC CYLINDER

APPLICATION



Synchronous lifting and installation of nuclear fusion Dewar base



Synchronous lifting and installation of nuclear fusion Dewar base



Axial load support for subway construction



Long-term support for large motor maintenance



Building reinforcement concrete buttress underpinning



Synchronous lifting and installation of large steel structure

DOUBLE ACTING MECHANICAL LOCK NUT HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Bore Diameter E (mm)	Saddle Diameter F (mm)	Weight (kg)
BRH-CLLRS-502	50	232	50	74.8	347	140	104.8	80	31
BRH-CLLRS-506		332	150		1122				48
BRH-CLLRS-5012		482	300		2244				77
BRH-CLLRS-1002	100	270	50	141.9	710	180	141.9	115	59
BRH-CLLRS-1006		370	150		2129				86
BRH-CLLRS-10012		520	300		4257				132
BRH-CLLRS-1502	150	290	50	210.6	1053	205	171.5	130	80
BRH-CLLRS-1506		390	150		3159				114
BRH-CLLRS-15012		540	300		6318				170
BRH-CLLRS-2002	200	300	50	286	1430	265	203	155	131
BRH-CLLRS-2006		400	150		4290				183
BRH-CLLRS-20012		550	300		8580				265
BRH-CLLRS-2502	250	310	50	360.9	1805	285	228.6	180	156
BRH-CLLRS-2506		410	150		5414				215
BRH-CLLRS-25012		560	300		10827				307
BRH-CLLRS-3002	300	330	50	428.7	2144	310	241.3	195	196
BRH-CLLRS-3006		430	150		6431				264
BRH-CLLRS-30012		580	300		12861				371
BRH-CLLRS-4002	400	360	50	571.22	2856	360	279.4	225	286
BRH-CLLRS-4006		460	150		8568				375
BRH-CLLRS-40012		610	300		17136				514
BRH-CLLRS-5002	500	395	50	715.6	3578	400	317.5	218	386
BRH-CLLRS-5006		495	150		10734				501
BRH-CLLRS-50012		645	300		21468				679
BRH-CLLRS-6002	600	420	50	847.4	4237	440	342.9	228	495
BRH-CLLRS-6006		520	150		12711				631
BRH-CLLRS-60012		670	300		25422				841
BRH-CLLRS-8002	800	470	50	1128	5640	505	387.4	296	727
BRH-CLLRS-8006		570	150		16920				905
BRH-CLLRS-80012		720	300		33840				1181
BRH-CLLRS-10002	1000	525	50	1398	6990	560	431.8	298	999
BRH-CLLRS-10006		625	150		20970				1219
BRH-CLLRS-100012		775	300		41940				1559

SELF-LOCKING HYDRAULIC JACK WITH OUTER RING NUT



PRODUCT INTRODUCTION

The outer ring nut self-locking hydraulic jack is suitable for application in compact structures: the safe nut locking design is suitable for mechanical load support. The specially designed bearing system can withstand 3% eccentric load, and the overflow hole has the function of limiting the stroke.

PRODUCT FEATURES

- Mechanical lock nut, which can safely support the load for a long time after the hydraulic pressure is released
- The overflow port limits the stroke to prevent the piston rod from overstressing
- Relief port limits stroke to prevent rod over travel
- Replaceable standard hard groove saddle
- Special composite coating for reduced friction and corrosion resistance
- Special bearing design accommodates side loads up to 5% of rated load
- NPT3/8"-18NPT coupler and dust cap included on all models



SELF-LOCKING HYDRAULIC JACK WITH OUTER RING NUT



Double acting low profile nut self-locking hydraulic cylinder

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Cylinder OD (mm)	Nut OD (mm)	Plunger Diameter (mm)	Weight (kg)
BRH-RRL-200-120	200	260	120	283.38	3400	245	320	130	130
BRH-RRL-300-120	300	260	120	452.16	5426	320	400	240	226.7

Single acting low profile nut self-locking hydraulic cylinder

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Cylinder OD (mm)	Nut OD (mm)	Plunger Diameter (mm)	Weight (kg)
BRH-RCL-50-20	50	75	20	63.58	127.2	130	160	70	9
BRH-RCL-50-60	50	122	60	63.58	381.5	130	160	70	14.5
BRH-RCL-100-20	100	86	20	132.66	265.4	170	200	90	17
BRH-RCL-100-60	100	145	60	132.66	796	170	200	90	28

Single acting ultra-thin nut self-locking hydraulic cylinder

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Cylinder OD (mm)	Nut OD (mm)	Plunger Diameter (mm)	Weight (kg)
BRH-HRCL-100-10	100	45	10	143.06	143	170	198	135	9.5
BRH-HRCL-150-24	150	54	24	213.72	513	215	245	165	18.2

Single acting two stage hydraulic cylinder

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Cylinder OD (mm)	Weight (kg)
BRH-RDL-80-25	1st stage 80	38	1st stage 11	1st stage 113.04	1st stage 124.3	175×203	7
	2nd stage 50		2nd stage 14	2nd stage 70.84	2nd stage 99.2		

SINGLE ACTING LOW HEIGHT HYDRAULIC CYLINDER



TYPE

BRH-RCS SERIES

PRODUCT INTRODUCTION

Single acting low height hydraulic cylinder is widely used in power plant, shipbuilding and maintenance, construction, railway, mining, steel plant, cement plant, petrochemical & other industries.

PRODUCT FEATURES

- Max. Working pressure: 700 bar
- Single acting, spring return
- High strength alloy steel for durability
- Lightweight and compact design for application in tight workspaces
- The high temperature paint allows more resistance to corrosion from the cylinder surface
- The grooved plunger end face eliminates the need for additional saddles

APPLICATION CASES



Pusher application for large cylinder disassembly



Large transformer assembly and compression

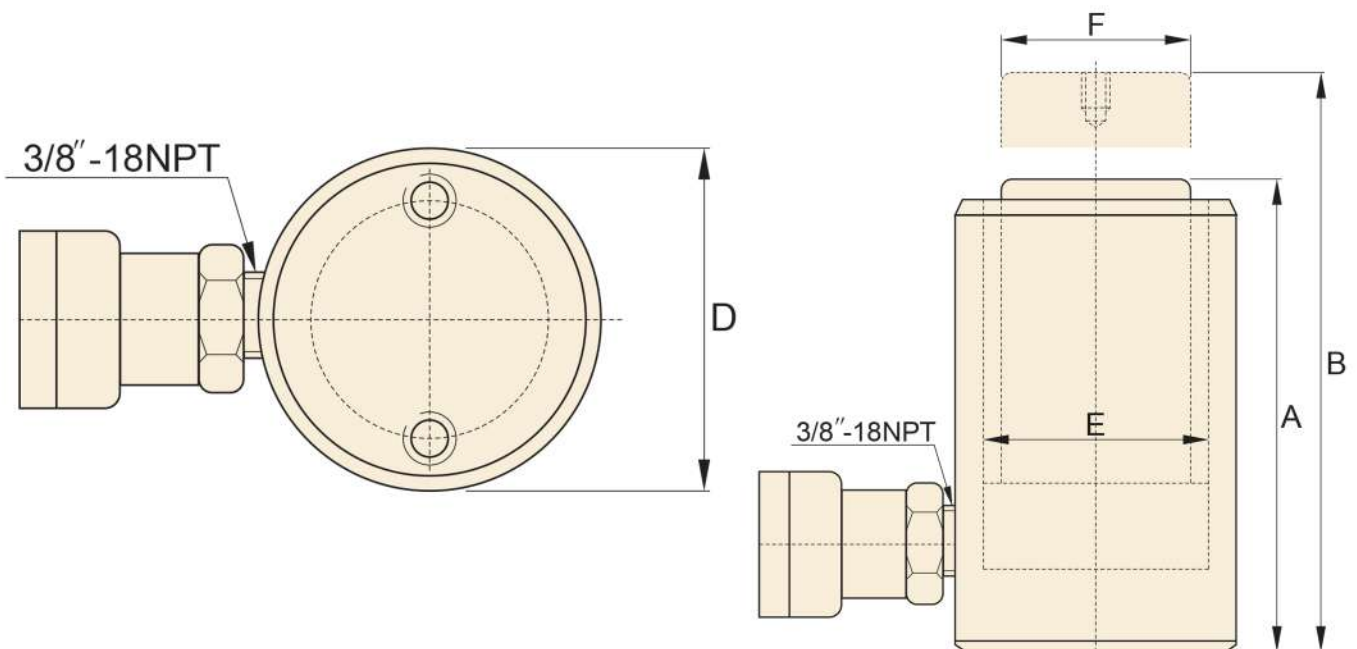


Synchronous lifting for bridge maintenance and replacing rubber bearings

SINGLE ACTING LOW HEIGHT HYDRAULIC CYLINDER



TECHNICAL PARAMETERS



Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height B (mm)	Outside Diameter D (mm)	Bore Diameter E (mm)	Plunger Diameter F (mm)	Weight (kg)
BRH-RCS-101	10	88	38	14.5	55	126	69	42.9	38.1	4.1
BRH-RCS-201	20	98	45	28.7	129	143	92	60.5	50.8	5.0
BRH-RCS-302	30	117	62	42.1	261	179	101	73.2	66.5	6.8
BRH-RCS-502	45	122	60	62.1	373	182	124	88.9	69.8	10.9
BRH-RCS-1002	90	141	57	126.7	722	198	165	127	92.2	22.7
BRH-RCS-1502	150	130	44	196	862	174	204	158	115	33.9
BRH-RCS-2500	250	155	50	346	1730	205	275	210	185	63
BRH-RCS-3000	300	200	60	433	2601	260	297	235	210	95

SINGLE ACTING ULTRA LOW HEIGHT HYDRAULIC CYLINDER

TYPE

BRH-RSM SERIES

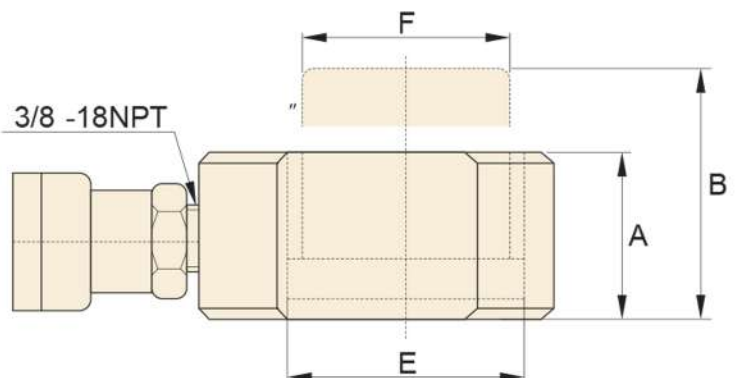
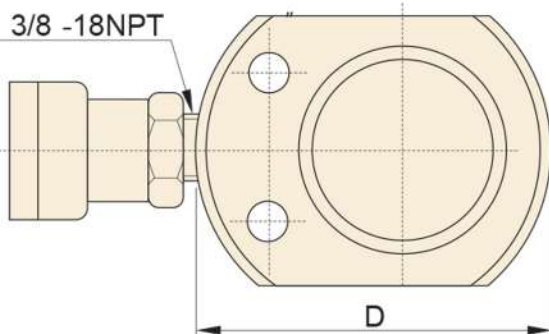


PRODUCT INTRODUCTION

Single acting ultra-low height hydraulic cylinder is widely used in synchronous lifting for bridge maintenance, rubber bearings replacement, large equipment synchronous lifting maintenance, structural parts welding positioning, equipment assembly, pipe flange separation and other applications. Spring return design is applicable for the case when closure height and maximum stroke are prioritized.

PRODUCT FEATURES

- Max. Working pressure: 700bar
- Compact, ultra-thin flat design for applications in which other cylinders are not fit in a unsuitable and narrow space
- BRH-RSM-750/-1000/-1500 have handle for easy carrying
- Mounting hole of the base makes it easy to fix, and the end face of the groove plunger does not need a supporting saddle
- High strength alloy steel for durability
- Single acting, spring return. Hard chrome plated high-quality steel plungers
- Built-in scraper seal reduces contamination, extending cylinder life
- Baked enamel finish for increased corrosion resistance
- 3/8" - 18NPT coupler and dust cap included on all models



SINGLE ACTING ULTRA LOW HEIGHT HYDRAULIC CYLINDER

TYPE

BRH-RSM SERIES



STRONG & HIGH DURABILITY



HIGH QUALITY MATERIAL



Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height B (mm)	Outside Diameter D (mm)	Bore Diameter E (mm)	Plunger Diameter F (mm)	Weight (kg)
BRH-RSM-50	5	32	6	6.5	4	38	58×41	28.7	25.4	1.0
BRH-RSM-100	10	43	11	14.5	18	54	82×55	42.9	38.1	1.4
BRH-RSM-200	20	51	11	28.7	32	62	101×76	60.5	50.8	3.1
BRH-RSM-300	30	58	13	42.1	55	71	117×95	73.2	63.4	4.5
BRH-RSM-500	45	66	16	62.1	99	82	140×114	88.9	69.8	6.8
BRH-RSM-750	75	79	16	102.6	164	95	165×139	114.3	82.6	11.3
BRH-RSM-1000	90	85	16	126.7	203	101	178×153	127	92.2	14.5
BRH-RSM-1500	150	100	16	198.1	317	116	215×190	158	114.3	26.3
BRH-RSM-2000	200	105	16.5	283.4	467	121.5	264×250	190	160	39.5

SINGLE ACTING ULTRA LOW HEIGHT HYDRAULIC CYLINDER

APPLICATION



Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearings



Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearing for maintenance



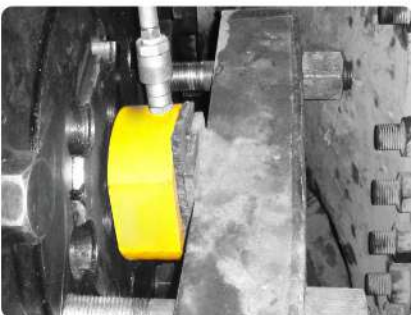
Synchronous lifting to replace rubber bearings for bridge maintenance



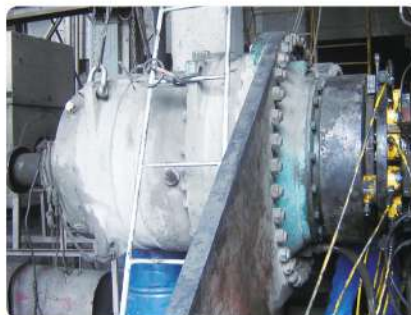
Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearing for maintenance



Repairing and disassembly work of reduction gear in cement plant



Synchronous separation for repairing the roller press and decelerator in the cement plant



Synchronous separation for repairing the roller press and decelerator in the cement plant

HIGH TONNAGE ULTRA THIN HYDRAULIC CYLINDER

TYPE

BRH-RSC SERIES



STRONG & HIGH DURABILITY

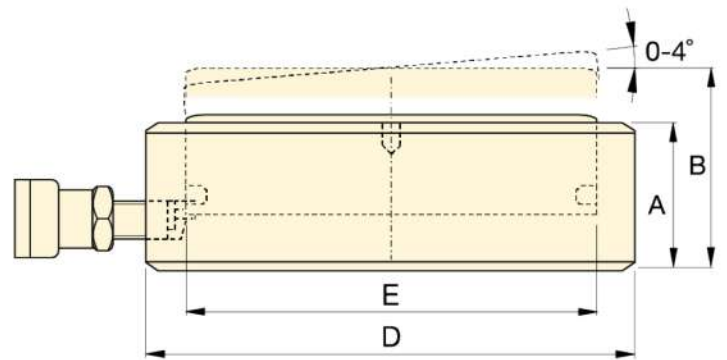


HIGH QUALITY MATERIAL



PRODUCT FEATURES

- Withstand 4% side load of maximum load
- Very low body height
- Integrated tilt function up to 4 degrees for even load distribution
- Nitrocarburized surface treatment for harsh conditions
- The "red line" of the visual maximum stroke limit



Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearings for bridge maintenance



Synchronous lifting to replace rubber bearings for bridge maintenance

HIGH TONNAGE ULTRA THIN HYDRAULIC CYLINDER

TYPE

BRH-RSC SERIES



Model	Capacity (T)	Stroke (mm)	Closed Height A (mm)	Extended Height B (mm)	Retract Type	Effective Area (cm ²)	Oil Capacity (cm ³)	Tilting Stroke (mm)	Tilting Angle (°)	Weight (kg)
BRH-RSC-10	10	7	35	42	Single acting, load return	14	9	6	2	1.2
BRH-RSC-20	20	7	41	47		29	20	6	2	2
BRH-RSC-30	30	7	42	48		44	32	6	2	3
BRH-RSC-50	50	13	57	67		79	104	10	4	6
BRH-RSC-75	75	14	61	71		113	158	10	4	8
BRH-RSC-100	100	15	63	74		154	22	10	4	11
BRH-RSC-150	150	14	65	75		227	324	10	3	15
BRH-RSC-200	200	15	69	79		300	446	10	3	21
BRH-RSC-250	250	15	73	83		363	569	10	3	27
BRH-RSC-300	300	14	73	83		452	637	10	2	34
BRH-RSC-400	400	15	77	87		572	837	10	2	46
BRH-RSC-500	500	15	82	93		730	1111	10	2	63
BRH-RSC-600	600	15	87	96		855	1334	10	2	78
BRH-RSC-750	750	16	93	104		1075	1757	10	2	105
BRH-RSC-1000	1000	17	103	114	1452	2531	10	2	157	

ULTRA-THIN MULTI-HYDRAULIC CYLINDER

TYPE

BRH-RLT SERIES



EXCELLENT PERFORMANCE



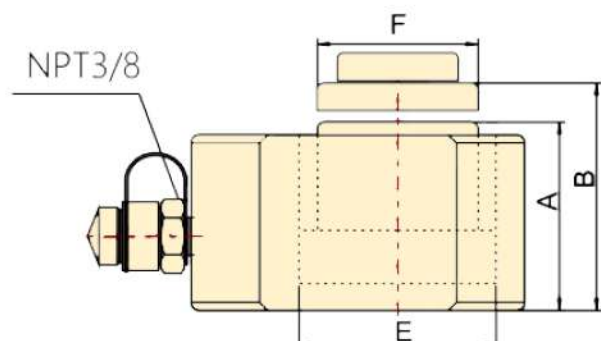
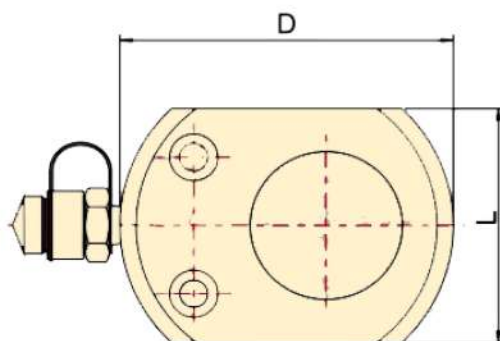
HIGH QUALITY MATERIAL



EASY TO USE

PRODUCT FEATURES

- Single acting, load return
- Nitrocarburized surface treatment improves load and wear resistance and provides corrosion protection
- The telescopic cylinder has a longer stroke, it saves time and simplifies the project by moving the load over greater distances and avoiding the use of temporary folding.
- Suitable for confined spaces: mechanical positioning, tool tightening
- Mounting bolt holes for easy fixing
- Sideload up to 3% of maximum capacity
- High-strength alloy steel for increased service life
- 3/8"-18NPT coupler and dust cap included on all models



ULTRA-THIN MULTI-HYDRAULIC CYLINDER

TYPE

BRH-RLT SERIES



Model	Capacity (T)	Stage	KN	Stroke (mm)	Full Stroke (mm)	Effective Area (cm ²)	Oil Tank Capacity (cm ³)	Closed Height A(mm)	Extended Height B(mm)	OD (D*L) (mm)	Inner Diameter E(mm)	Plunger Diameter F(mm)	Weight (kg)
BRH-RLT-10	10	2	49	15	25	7	30	49	74	83×60	30	26	1.6
		1	111	10		15.9					45	38	
BRH-RLT-20	20	2	67	16	27	9.6	51	57	84	99×76	35	31	2.7
		1	198	11		28.3					60	50	
BRH-RLT-30	30	3	50	20	54	7.1	123	64	118	123×98	30	26	4.7
		2	137	22		19.6					50	46	
		1	309	12		44.2					75	64	
BRH-RLT-50	50	3	50	25	66	7.1	188	74	140	148×120	30	26	7.9
		2	137	26		19.6					50	46	
		1	496	15		70.8					95	70	
BRH-RLT-100	100	3	111	24	69	15.9	418	93	162	188×160	45	38	16.9
		2	309	30		44.2					75	69	
		1	1002	15		143.1					135	100	

ULTRA-THIN HYDRAULIC CYLINDER

TYPE
BRH-SLM SERIES



PRODUCT INTRODUCTION

The ultra-thin hydraulic cylinder is used in the synchronous lifting of highway bridge to replace the rubber bearing, and in the docking operation of machinery, turbine, heavy structure and so on.

PRODUCT FEATURES

- Max. Working pressure: 700bar
- Single acting, load return
- Lightweight, small size, large bearing capacity, easy to operate.
- High strength alloy materials and the cylinder surface special coating, ensure the long service life of cylinder.
- Optional extension coupler and base plate, applicable to a variety of work conditions.
- Single-stage plunger, very small closed height, used in confined spaces.
- Tilting plunger, $\pm 3^\circ$ deviation correction capacity
- Low friction and high strength combination seal
- 3/8"-18NPT coupler and dust cap included on all models

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Plunger Diameter (mm)	Plunger Diameter (mm)	Weight (kg)
BRH-SLM-3515	35	35	15	50.2	75	150	80	17	5
BRH-SLM-7015	70	35	15	103.8	156	185	115	17	7.5
BRH-SLM-10015	100	41	15	153.5	231	210	140	19	11.2

ULTRA HIGH PRESSURE ULTRA LOW HEIGHT HYDRAULIC CYLINDER

TYPE
BRH-STC SERIES



EASY TO USE



HIGH QUALITY
MATERIAL



EXCELLENT
PERFORMANCE



PRODUCT INTRODUCTION

Ultra high pressure ultra-low height hydraulic cylinder is suitable for narrow space, e.g. shipbuilding plant marine adjustment, lifting of steam turbine maintenance in power plant etc.

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Plunger Diameter (mm)	Coupler Height (mm)	Coupler Size	Weight (kg)
BRH-STC-0510	5	30	10	3.46	3.5	60	21	14	G1/4"	0.17
BRH-STC-01010	10	30	10	7.06	7.1	70	30	14	G1/4"	1.1
BRH-STC-02510	25	30	10	17.34	17.3	90	47	14	G1/4"	1.5
BRH-STC-05010	50	30	10	38.46	38.5	118	70	14	G1/4"	2.6
BRH-STC-10010	100	33	10	69.36	69.4	152	94	14	G1/4"	4.3
BRH-STC-15010	150	34	10	105.62	105.6	180	116	14	G1/4"	6.8
BRH-STC-20010	200	35	10	136.77	136.8	204	132	14	G1/4"	9

ULTRA-THIN HYDRAULIC CYLINDER

TYPE

BRH-SSM SERIES



PRODUCT INTRODUCTION

The ultra-thin hydraulic cylinder is used in the synchronous lifting of highway bridge to replace the rubber bearing, and in the docking operation of machinery, turbine, heavy structure and so on.

PRODUCT FEATURES

- Single acting, load return; Lightweight, small size, large bearing capacity, easy to operate.
- High strength alloy materials and the cylinder surface special coating.
- Optional extension coupler and base plate, applicable to a variety of work conditions.
- Single-stage plunger, very small closed height, used in confined spaces.
- Max. Working pressure: 700bar; Tilting plunger, $\pm 3^\circ$ deviation correction capacity
- Low friction and high strength combination seal
- 3/8"-18NPT coupler and dust cap included on all models.

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Outside Diameter (mm)	Plunger Diameter (mm)	Coupler Height (mm)	Weight (kg)
BRH-SSM-5	5	50	20	7.06	14.1	74	30	20	1.9
BRH-SSM-10	10	50	20	14.51	29	87	43	20	2.3
BRH-SSM-25	25	50	20	36.29	72.6	108	68	20	3.6
BRH-SSM-50	50	50	20	70.84	141.7	139	95	20	6
BRH-SSM-100	100	50	20	143.06	286.1	179	135	20	9.9
BRH-SSM-150	150	50	20	213.72	427.4	216	165	20	14.4
BRH-SSM-200	200	50	20	283.38	566.8	248	190	20	19

ULTRA-LOW HEIGHT MECHANICAL CYLINDER

TYPE
BRH-SMC SERIES



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
COMPONENTS

PRODUCT FEATURES

- Ultra-low height mechanical cylinders, flat design, used in confined spaces where most cylinders will not fit.
- Light, short, easy to carry, barrier-free working.
- High-strength alloy steel, extending service life and strength.
- Integrated screw hydraulic structure eliminates the need for additional hydraulic pump and hose

Model	Capacity (T)	Stroke(mm)	Min. Height (mm)	Max. Height (mm)	Outside Diameter (mm)	Max. Length (mm)	Min. Length (mm)
BRH-SMC-525	5	25	52	77	52	275	195
BRH-SMC-1025	10	25	54	79	62	348	237
BRH-SMC-2005	20	5	35	40	84	289	218
BRH-SMC-3005	30	5	36	41	95	314	236
BRH-SMC-5005	50	5	40	45	120	401	293

SERVO HYDRAULIC CYLINDER

TYPE

BRH-SSD SERIES

PRODUCT FEATURES

- Max. working pressure: 700bar
- Equipped with stepping motor to follow without gap and stepless speed regulation
- Hydraulic drive can avoid system damage caused by frequent start
- 5° tilting saddle with higher applicability
- Optimized hydraulic system integration makes construction more secure
- 3/8"-18NPT coupler and dust cap included on all models

PRODUCT INTRODUCTION

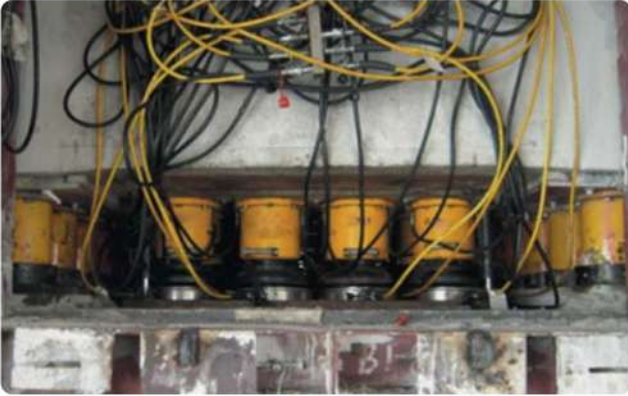
Single-acting hydraulic cylinder has the widest range of stroke length and lifting capacity, and is the best choice for maintenance, production, manufacturing, construction and other operations. The neck thread can withstand full load, and the unique dual guide ring technology can easily absorb the partial load, reduce wear, and extend the service life, the outer ring thread, most models are equipped with plunger thread and bottom mounting holes, which make matching and positioning easier



Model	Capacity(T)	Closed Height(mm)	Stroke (mm)
BRH-SSD-100	100	500	150
BRH-SSD-200	200	576	200
BRH-SSD-300	300	610	150
BRH-SSD-400	400	658	200
BRH-SSD-500	500	720	150

SERVO HYDRAULIC CYLINDER

APPLICATION



Alternate lifting of large bridges



Synchronous lifting of large bridges
as a whole



Synchronous lifting of large bridges
as a whole



Synchronous lifting of bridge as a whole



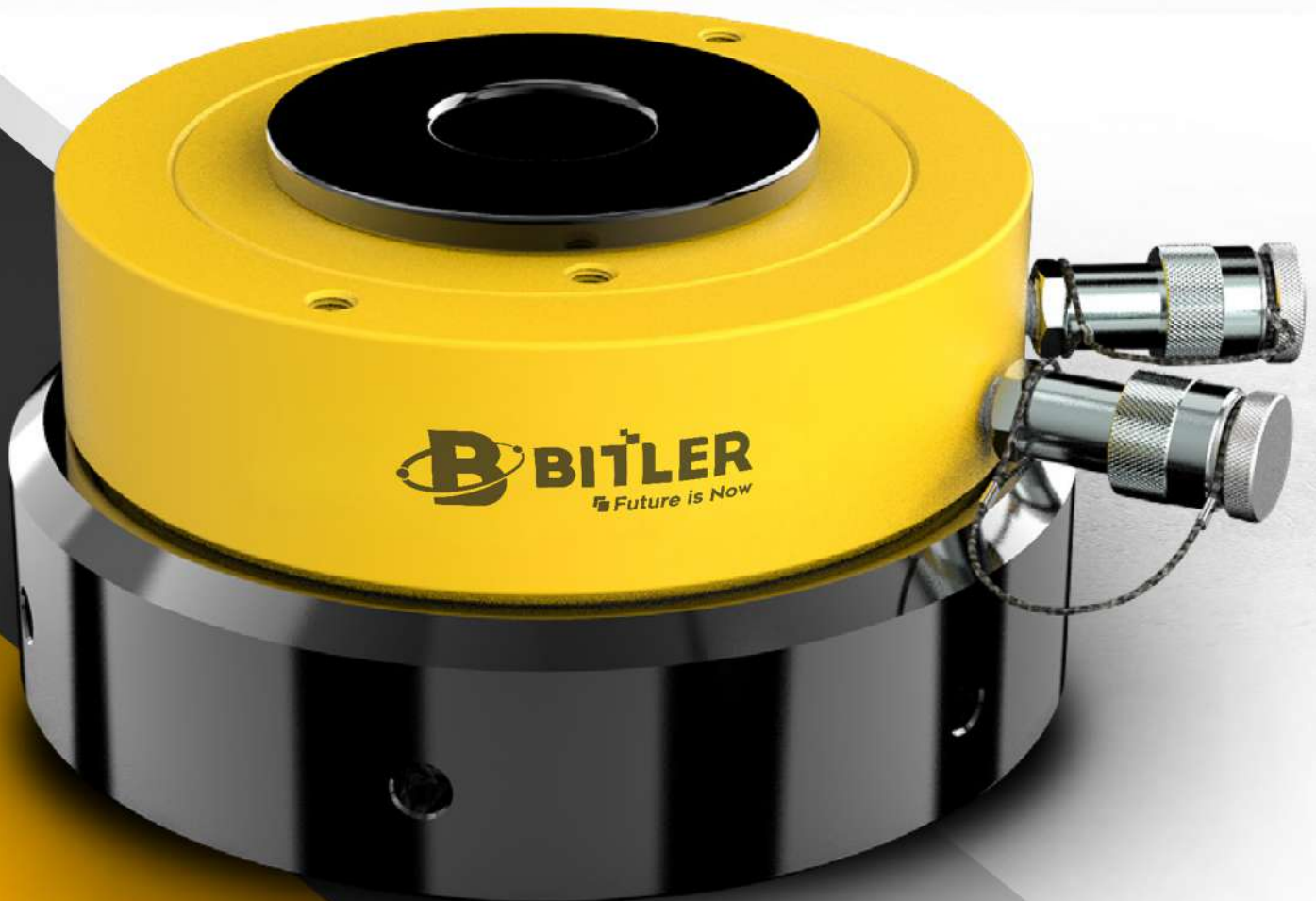
Synchronous lifting of bridge as a whole



Synchronous lifting of bridge as a whole

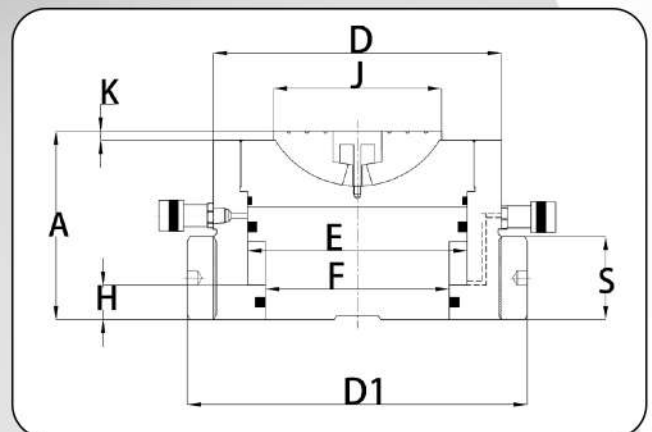
HIGH TONNAGE NUT SELF-LOCKING HYDRAULIC CYLINDER

TYPE
BRH-SDL SERIES

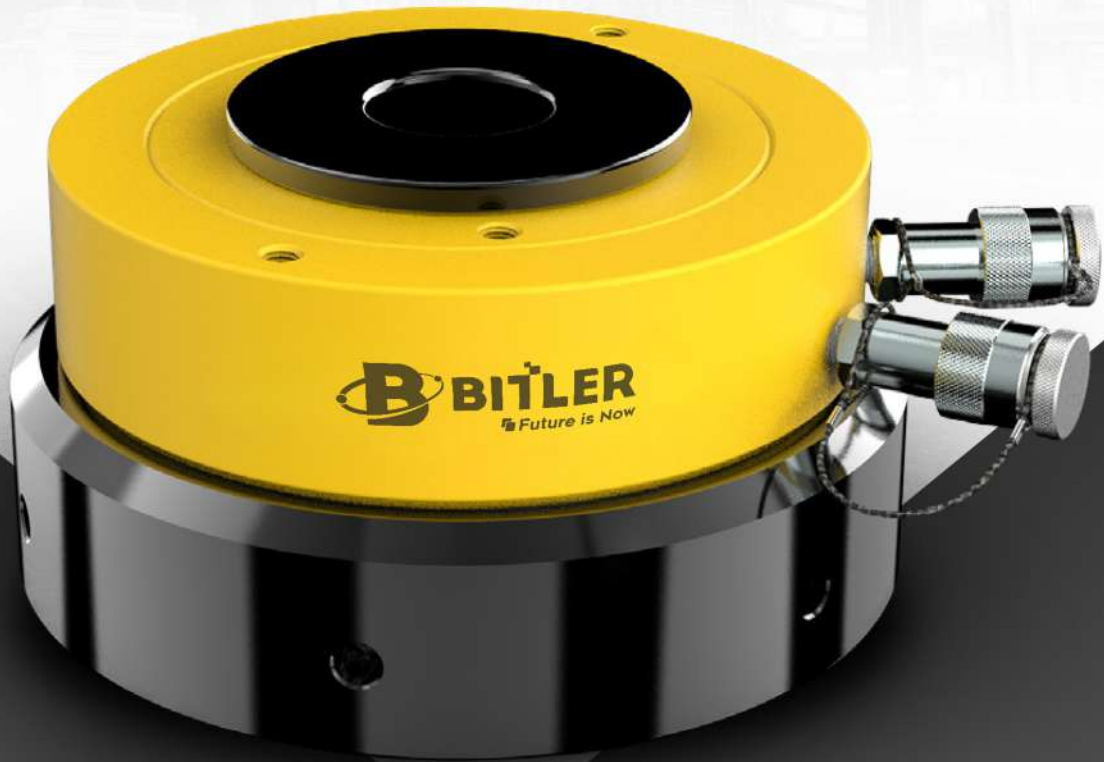


PRODUCT FEATURES

- Large tonnage nut self-locking hydraulic jack for mechanical loads up to 1000 tons
- Double acting, for positive retraction
- Integral snap ring provides piston overstroke protection
- Paint finish and chrome pistons provide excellent corrosion protection
- 3/8"-18NPT coupler and dust cap included on all models



HIGH TONNAGE NUT SELF-LOCKING HYDRAULIC CYLINDER



Model	Capacity (T)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Closed Height A (mm)	Extended Height B (mm)	Cylinder Diameter (mm)	Locking Nut Diameter D1 (mm)	Hole Diameter E (mm)	Plunger Diameter F (mm)	Stop Ring Height H (mm)	Saddle Diameter J (mm)	Error between Saddle & Stop Ring K (mm)	Locking Nut Thickness S (mm)	Weight (kg)
BRH-SDL-1002	100	50	143.14	238	188	238	180	225	135	120	35	115	10	90	46
BRH-SDL-1004	100	100	143.14	1431	238	338	180	225	135	120	35	115	10	140	60
BRH-SDL-1502	150	50	213.82	1069	190	240	220	260	165	140	35	135	10	90	63
BRH-SDL-1504	150	100	213.82	2138	240	340	220	260	165	140	35	135	10	140	81
BRH-SDL-2002	200	50	283.53	1418	197	247	250	295	190	160	35	155	12	90	83
BRH-SDL-2004	200	100	283.53	2835	247	347	250	295	190	160	35	155	12	140	107
BRH-SDL-2502	250	50	363.05	1815	200	250	280	330	215	180	35	175	12	95	106
BRH-SDL-2504	250	100	363.05	3631	250	350	280	330	215	180	35	175	12	145	136
BRH-SDL-3002	300	50	433.77	2169	212	262	305	360	235	200	40	195	12	100	135
BRH-SDL-3004	300	100	433.77	4337	262	362	305	360	235	200	40	195	12	150	170
BRH-SDL-4002	400	50	572.56	2863	238	283	350	420	270	225	45	215	15	100	199
BRH-SDL-4004	400	100	572.56	5726	283	383	350	420	270	225	45	215	15	150	243
BRH-SDL-5002	500	50	730.62	3653	238	288	390	460	305	250	45	240	15	112	245
BRH-SDL-5004	500	100	730.62	7306	288	388	390	460	305	250	45	240	15	160	300
BRH-SDL-6002	600	50	866	4328	245	295	420	500	332	270	45	260	15	115	296
BRH-SDL-6004	600	100	866	8657	295	395	420	500	332	270	55	260	15	165	362
BRH-SDL-8002	800	50	1146.16	5821	280	330	490	580	385	320	55	310	20	125	455
BRH-SDL-8004	800	100	1146.16	11462	330	430	490	580	385	320	55	310	20	175	545
BRH-SDL-10002	1000	50	1452.2	7261	305	355	540	650	430	350	55	340	30	130	600
BRH-SDL-10004	1000	100	1452.2	14522	355	455	540	650	430	350	55	340	30	180	712

SINGLE ACTING HYDRAULIC CYLINDER

TYPE

BRH-RC SERIES



EASY TO USE



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
MATERIAL



PRODUCT INTRODUCTION

Single-acting hydraulic cylinder has the widest range of stroke length and lifting capacity, and is the best choice for maintenance, production, manufacturing, construction and other operations. The neck thread can withstand full load, and the unique dual guide ring technology can easily absorb the partial load, reduce wear, and extend the service life. The outer ring thread, most models with plunger thread and bottom mounting hole, ensures the matching and positioning easier.

APPLICATION INDUSTRY

Shipyard hull welding lifting
Thermal power plant equipment overhaul lifting.
Steel plant equipment overhaul lifting.
Ancient building maintenance and reinforcement synchronous lifting
Support various types of hydraulic tools for bending, cutting, punching, crimping, etc.

SINGLE ACTING HYDRAULIC CYLINDER

TYPE

BRH-RC SERIES

PRODUCT FEATURES

- Maximum working pressure: 700bar.
- Single-acting design, built-in high-strength return spring make piston retract quickly.
- Made of high-strength alloy steel material, durable.
- The coated piston rod is resistant to corrosion and strain.
- The stop ring prevents the piston from over-stroke, and the top of the piston is equipped with a non-slip saddle as standard.
- High temperature baking paint makes the surface of the cylinder more resistant to corrosion.
- Unique dustproof sealing ring design can reduce the internal pollution of the cylinder and prolong the service life.
- 3/8"-18NPT coupler and dust cap included on all models

APPLICATION CASE



Synchronous lifting and correction of buildings

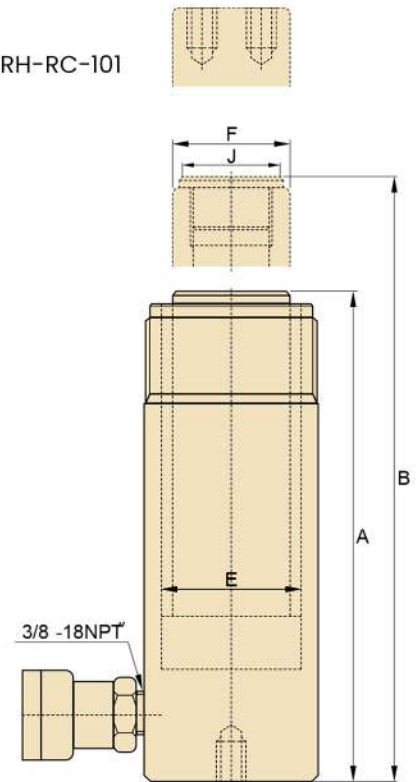


Equipment calibration use

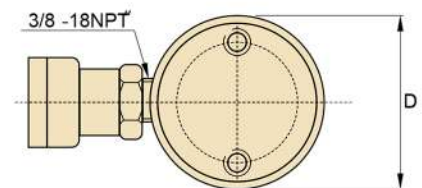


Synchronous lifting installation of large steel structure

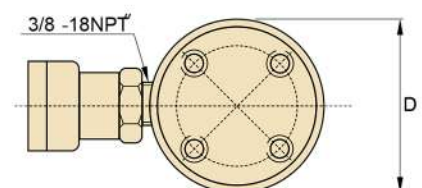
BRH-RC-101



BRH-RC-51~BRH-RC-5013



BRH-RC-1006~BRH-RC-10010



SINGLE ACTING HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height B (mm)	Outside Diameter D (mm)	Bore Diameter (mm)	Saddle Diameter J (mm)	Weight (kg)
BRH-RC-51	5	110	25	6.5	16	135	38	28.7	25	1.0
BRH-RC-53		165	76		50	241				1.5
BRH-RC-55		215	127		83	342				1.9
BRH-RC-57		273	177		115	450				2.4
BRH-RC-59		323	232		151	555				2.8
BRH-RC-101	10	89	26	14.5	38	115	57	42.9	-	1.8
BRH-RC-102		121	54		78	175			2.3	
BRH-RC-104		171	105		152	276			3.3	
BRH-RC-106		247	156		226	403			4.4	
BRH-RC-108		298	203		294	501			5.4	
BRH-RC-1010		349	257		373	606			6.4	
BRH-RC-1012		400	304		441	704			6.8	
BRH-RC-1014		450	356		516	806			8.2	
BRH-RC-151	15	124	25	20.3	51	149	69	50.8	38	3.3
BRH-RC-152		149	51		104	200				4.1
BRH-RC-154		200	101		205	301				5.0
BRH-RC-156		271	152		308	423				6.8
BRH-RC-158		322	203		411	525				8.2
BRH-RC-1510		373	254		516	627				9.5
BRH-RC-1512		423	305		619	728				10.9
BRH-RC-1514		474	356		723	830				11.8
BRH-RC-251	25	139	26	33.2	86	165	85	65.0	50	5.9
BRH-RC-252		165	50		166	215				6.4
BRH-RC-254		215	102		339	317				8.2
BRH-RC-256		273	158		525	431				10.0
BRH-RC-258		323	210		697	533				12.2
BRH-RC-2510		374	261		867	635				14.1
BRH-RC-2512		425	311		1033	736				16.3
BRH-RC-2514		476	362		1202	838				17.7
BRH-RC-308	30	387	209	42.1	880	596	101	73.2	50	18.1
BRH-RC-502	50	176	51	71.2	362	227	127	95.2	71	15.0
BRH-RC-504		227	101		719	328				19.1
BRH-RC-506		282	159		1131	441				23.1
BRH-RC-5013		460	337		2399	797				37.6
BRH-RC-756	75	285	156	102.6	1610	441	146	114.3	71	29.5
BRH-RC-7513		492	333		3417	825				59.0
BRH-RC-1006	95	357	168	133.3	2239	525	177	130.3	71	59.0
BRH-RC-10010		449	260		3466	709				72.6

DOUBLE ACTING HYDRAULIC CYLINDER

TYPE

BRH-RR SERIES



PRODUCT INTRODUCTION

Double-acting hydraulic cylinders are suitable for large-tonnage equipment lifting operations and maintenance operations requiring precise control of load lifting. It is also suitable for horizontal pushing operations

PRODUCT FEATURES

- Max. working pressure: 700bar
- Collar threads, plunger threads and base mounting holes for easy fixturing.
- Baked enamel finish for increased corrosion resistance
- Removable hardened saddles protect plunger during lifting and pressing
- 3/8"-18NPT coupler and dust cap are included on all models

APPLICATION INDUSTRY

Lifting and maintenance for equipment in thermal power plant
Lifting and maintenance for steel plant equipment
Synchronous lifting and maintenance of ancient building
Matched with various types of hydraulic tools such as pipe bending, cutting, punching, crimping, etc

DOUBLE ACTING HYDRAULIC CYLINDER

TYPE

BRH-RR SERIES

APPLICATION CASE



Synchronous lifting and fine adjustment of maglev track construction



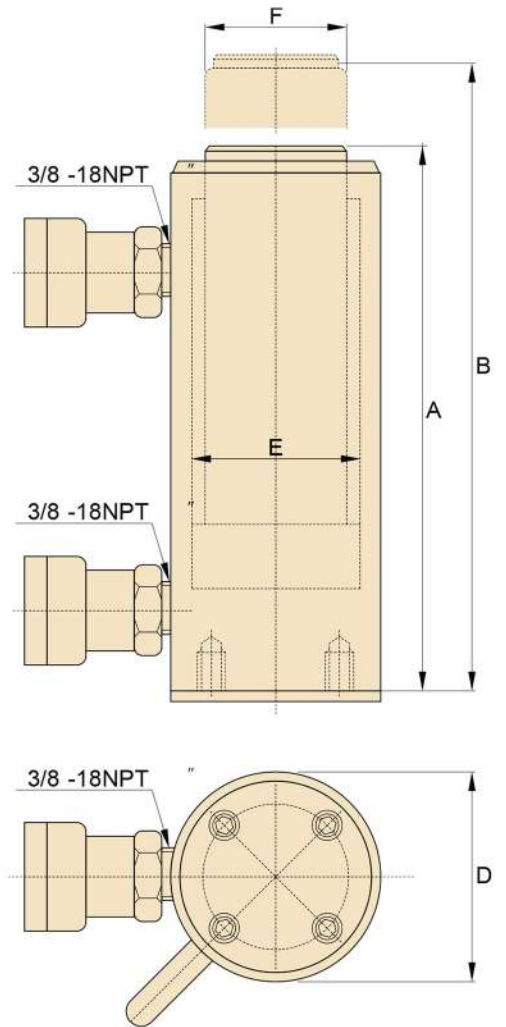
Synchronous lifting of lowering beam for bridge maintenance



Synchronous lifting and replacement of steel plant blast furnace



Lifting and installation of shield machine



Use with tooling fixtures



Synchronous lifting and correction of buildings

DOUBLE ACTING HYDRAULIC CYLINDER

Model	Capacity (T)	Closed Height A (mm)	Effective Stroke (mm)	Max. Capacity (T)		Effective Area (cm ²)		Oil Capacity (cm ³)		Extended Height B (mm)	Outside Diameter D (mm)	Weight (kg)	
				Push	Pull	Push	Pull	Push	Pull				
BRH-RR-1010	10	409	254	10	3.5	14.5	4.8	368	122	663	73	12	
BRH-RR-1012		457	305					442	147			762	14
BRH-RR-308	30	395	209	30	13	42.1	19.1	879	400	604	101	18	
BRH-RR-3014		549	368					1549	703			917	29
BRH-RR-506	50	331	156	50	15	71.2	21.5	1111	335	487	127	30	
BRH-RR-5013		509	334					2378	718			843	52
BRH-RR-5020		733	511					3638	1099			1244	68
BRH-RR-756	75	347	156	73	22	102.6	31.4	1601	490	503	146	41	
BRH-RR-7513		525	333					3417	1046			858	68
BRH-RR-1006	95	357	168	95	44	133.3	62.2	2238	1045	525	177	61	
BRH-RR-10013		524	333					4439	2071			857	93
BRH-RR-10018		687	460					6132	2861			1147	117
BRH-RR-1502	140	196	57	140	70	198.1	95.4	1129	544	253	203	49	
BRH-RR-1506		385	156					3090	1488			541	93
BRH-RR-15013		582	333					6597	3177			915	124
BRH-RR-15032		1116	815					16145	7775			1931	238
BRH-RR-2006	200	430	152	200	100	285.0	145.3	4332	2209	582	247	147	
BRH-RR-20013		608	330					9405	4795			938	199
BRH-RR-20018		765	457					13025	6640			1222	204
BRH-RR-20024		917	610					17385	8863			1527	279
BRH-RR-20036		1222	914					26049	13280			2136	383
BRH-RR-20048		1527	1219					34741	17712			2746	483
BRH-RR-3006	325	485	153	325	162.5	457.3	243.2	6997	3721	638	311	200	
BRH-RR-30012		638	305					13947	7418			943	312
BRH-RR-30018		790	457					20889	11141			1247	385
BRH-RR-30036		943	610					27850	14811			1552	469
BRH-RR-30024		1247	914					41843	22253			2162	628
BRH-RR-30048		1552	1219					55745	29646			2771	780
BRH-RR-4006	440	538	153	440	220	613.1	328.1	9319	4987	690	358	303	
BRH-RR-40012		690	305					18700	10007			995	399
BRH-RR-40018		843	457					28018	14995			1300	453
BRH-RR-40024		995	610					37400	20014			1605	597
BRH-RR-40036		1300	914					56037	29988			2214	792
BRH-RR-40048		1605	1219					74737	39996			2824	980
BRH-RR-5006	520	577	153	520	260	729.7	405.4	11164	6203	730	397	432	
BRH-RR-50012		730	305					22256	12365			1035	589
BRH-RR-50018		882	457					33347	18526			1339	680
BRH-RR-50024		1035	609					44440	24689			1644	816
BRH-RR-50036		1339	915					66768	36973			2254	1002
BRH-RR-50048		1664	1219					88951	49418			2863	1224

SINGLE ACTING HOLLOW PLUNGER HYDRAULIC CYLINDER

TYPE

BRH-RCH SERIES

PRODUCT FEATURES

- Maximum working pressure: 700bar
- Single-acting spring return design
- Painted surface improves corrosion resistance
- Chrome-plated surface extends the life of hollow pistons
- Hollow plunger design can be used for pulling force, and can also be used for pushing force.
- The outer ring thread is easier to install (except for some models).
- Easy to connect with structure.
- Built-in dust ring can reduce pollution and extend service life
- 3/8"-18NPT coupler and dust cap included on all models



PRODUCT INTRODUCTION

Single-acting hollow hydraulic cylinders are suitable for processing, maintenance and traction. The special hollow piston design allows the towbar or cable to pass through the entire hydraulic cylinder for lifting operations, it is often used for backward traction and forward extrusion operations. Equipped with interchangeable steel reinforced piston bases, it can also be used for routine lifting operations



Assembly of large heat exchangers



Synchronous lifting of steel structure
assembly of gymnasium



Shield machine maintenance
application

SINGLE ACTING HOLLOW PLUNGER HYDRAULIC CYLINDER

TYPE

BRH-RCH SERIES



EXCELLENT
PERFORMANCE



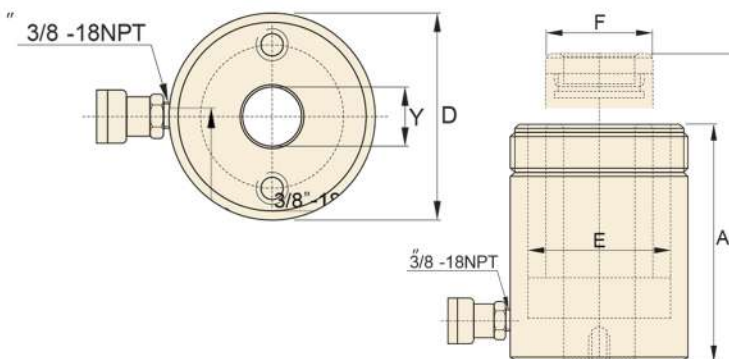
STRONG & HIGH
DURABILITY



HIGH QUALITY
COMPONENTS



PRODUCT FEATURES



Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Central Hole Diameter Y (mm)	Oil Capacity (cm ³)	Outside Diameter D (mm)	Plunger Diameter F (mm)	Weight (kg)
BRH-RCH-120	12	55	8	17.9	19.5	14	69	35.1	1.5
BRH-RCH-121	12	120	42	17.9	19.5	75	69	35.1	2.8
BRH-RCH-123	12	184	76	17.9	19.5	136	69	35.1	4.4
BRH-RCH-202	20	162	49	30.7	26.9	150	98	54.1	7.7
BRH-RCH-206	20	306	155	30.7	26.9	476	98	54.1	14.1
BRH-RCH-302	30	178	64	46.6	33.3	298	114	63.5	10.9
BRH-RCH-306	30	330	155	46.6	33.3	722	114	63.5	21.8
BRH-RCH-603	60	247	76	82.3	53.8	626	159	91.9	28.1
BRH-RCH-606	60	323	153	82.3	53.8	1259	159	91.9	35.4
BRH-RCH-1003	95	254	76	133.0	79.0	1011	212	127.0	63.0

DOUBLE ACTING HOLLOW HYDRAULIC CYLINDER

TYPE

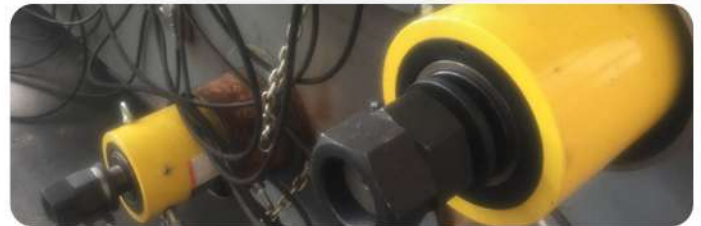
BRH-RRH SERIES

PRODUCT FEATURES

- Max. working pressure: 700bar
- Double acting design, hydraulic return, hollow plunger
- Baked enamel finish for increased corrosion resistance
- Built-in relief valve protects cylinder from damage
- Collar threads (some models) enable easy fixturing with other structures
- Hollow plunger allows for both pull and push forces
- Built-in dust ring can reduce contamination, extending cylinder life
- 3/8"-18NPT coupler and dust cap are included on all models



Concrete shield segment loading test



Concrete shield segment loading test

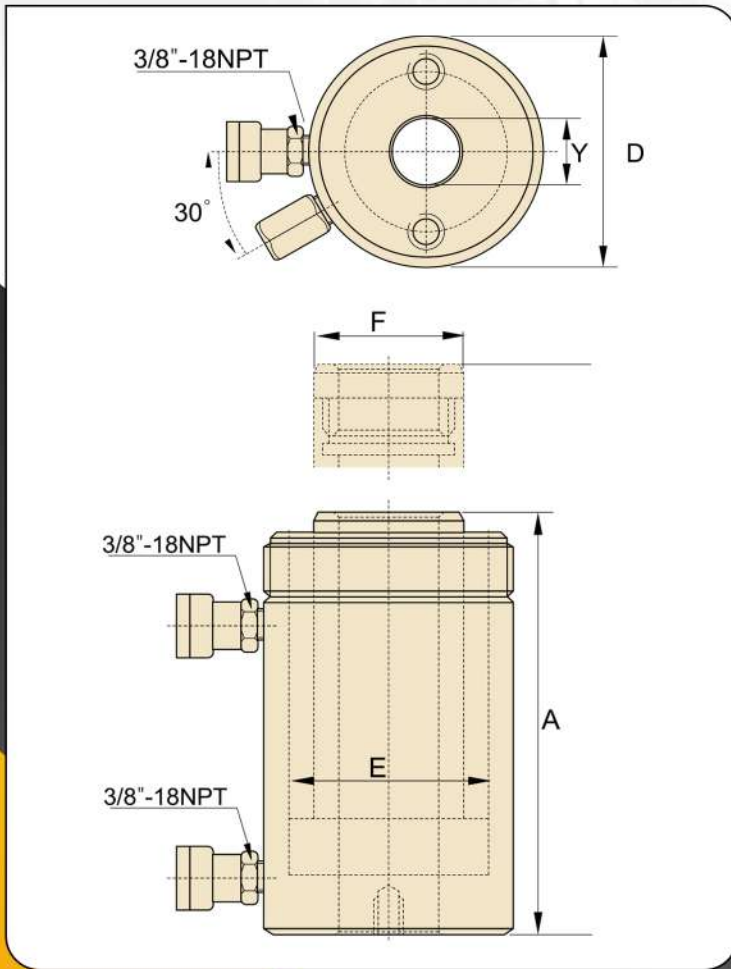


Bridge Construction Steel Structure
Synchronous Traction



Synchronous traction of steel box girder

DOUBLE ACTING HOLLOW HYDRAULIC CYLINDER



Model	Capacity (T)	Closed Height A (mm)	Stroke (mm)	Max. Capacity(T)		Outside Diameter D (mm)	Plunger Diameter F (mm)	Center Hole Diameter Y (mm)	Weight (kg)
				Push	Pull				
BRH-RRH-307	30	330	178	326	213	114	63.5	33.3	21
BRH-RRH-3010	30	431	258	326	213	114	63.5	33.3	27
BRH-RRH-603	60	247	89	576	380	159	91.9	53.8	28
BRH-RRH-606	60	323	166	576	380	159	91.9	53.8	35
BRH-RRH-6010	60	438	257	576	380	159	91.9	53.8	45
BRH-RRH-1001	95	165	38	931	612	212	127	79.2	33
BRH-RRH-1003	95	254	76	931	612	212	127	79.2	61
BRH-RRH-1006	95	342	153	931	612	212	127	79.2	79
BRH-RRH-10010	95	460	257	931	612	212	127	79.2	106
BRH-RRH-1508	145	349	203	1429	718	247	152.4	79.2	111
BRH-RRH-20010	200	523	250	2028	933	300	203	110	208
BRH-RRH-20012	200	573	300	2028	933	300	203	110	226
BRH-RRH-60012	600	700	300	5982	2873	495	305	140	800

SINGLE ACTING ALUMINUM HYDRAULIC CYLINDER

TYPE

BRH-RAC SERIES



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



HIGH QUALITY COMPONENTS

PRODUCT FEATURES

- Maximum working pressure: 700bar.
- Composite support ring prevents side loads and extends service life.
- Reduce the phenomenon of piston scraping caused by eccentric load and prolong the service life of the cylinder
- The surface is completely hardened to avoid damage and extend service life.
- Steel base and saddle prevent damage caused by load.
- Integral retaining ring prevents excessive extension of the plunger and can withstand the maximum lifting force of the cylinder.
- 3/8"-18NPT coupler and dust cap included on all models



PRODUCT INTRODUCTION

Single-acting aluminum hydraulic cylinder have a wear-resistant oxide and strong coating surface, and a steel base to protect from damage when working on rough surfaces single-acting structure, suitable for shipyards, steel plants, construction, power plants, oil and gas fields and other industries.

SINGLE ACTING ALUMINUM HYDRAULIC CYLINDER



Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height (mm)	Outside Diameter (mm)	Bore Diameter (mm)	Plunger Diameter (mm)	Weight (kg)
BRH-RAC-202	20	174	50	31.2	156	224	85	63	50	3.6
BRH-RAC-204		224	100		312	324				4.1
BRH-RAC-206		274	150		468	424				4.6
BRH-RAC-208		324	200		624	524				5.1
BRH-RAC-2010		374	250		780	624				5.6
BRH-RAC-302	30	181	50	44.2	221	231	100	75	60	4.5
BRH-RAC-304		231	100		442	331				5.2
BRH-RAC-306		281	150		663	431				5.9
BRH-RAC-308		331	200		884	531				6.6
BRH-RAC-3010		381	250		1105	631				7.3
BRH-RAC-502	50	186	50	70.9	354	236	130	95	80	8.5
BRH-RAC-504		236	100		709	336				9.8
BRH-RAC-506		286	150		1063	436				11.1
BRH-RAC-508		336	200		1417	536				12.9
BRH-RAC-5010		386	250		1771	636				13.7
BRH-RAC-1002	100	221	50	143.1	715	271	180	135	110	17.3
BRH-RAC-1004		271	100		1431	371				19.6
BRH-RAC-1006		321	150		2147	471				21.9
BRH-RAC-1008		371	200		2863	571				24.2
BRH-RAC-1506	150	343	150	227	3405	493	230	170	140	33.3
BRH-RAC-1508		393	200		4540	593				37.3
BRH-RAC-15010		443	250		5675	693				41.3



DOUBLE ACTING ALUMINUM HYDRAULIC CYLINDER

TYPE
BRH-RAR SERIES



EASY TO USE



**EXCELLENT
PERFORMANCE**



**STRONG & HIGH
DURABILITY**



**HIGH QUALITY
MATERIAL**

PRODUCT FEATURES

- Max. Working Pressure: 700bar
- Special support ring design avoids contact between body and plunger, reducing the phenomenon of pulling cylinder caused by unbalance load
- Hardened surface to extend jack life
- Steel base and saddle prevent damage caused by load
- Upper chamber is equipped with a safety valve to prevent accidental overpressure
- 3/8"-18NPT coupler and dust cap included on all models

PRODUCT INTRODUCTION

Double-acting aluminum hydraulic cylinders use the latest alloy technology, high-strength coating, sealing design and support materials to change your traditional view of cylinder application. Aluminum is lightweight, easy to transport and locate, and has high strength close to steel.

DOUBLE ACTING ALUMINUM HYDRAULIC CYLINDER



Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Max. Capacity (kN)		Effective Area (cm ²)		Oil Capacity (cm ³)		Cylinder Diameter (mm)	Weight (kg)
				Push	Pull	Push	Pull	Push	Pull		
BRH-RAR-202	20	189	50	218	130	31.2	18.6	156	93	113	7.4
BRH-RAR-204		239	100					312	186		8.0
BRH-RAR-206		289	150					468	279		8.6
BRH-RAR-208		339	200					624	372		9.2
BRH-RAR-2010		389	250					780	465		9.8
BRH-RAR-302	30	201	50	309	179	44.2	24.5	221	123	125	8.6
BRH-RAR-304		251	100					442	245		9.5
BRH-RAR-306		301	150					663	368		10.4
BRH-RAR-308		351	200					884	490		11.3
BRH-RAR-3010		401	250					1105	613		12.2
BRH-RAR-502	50	201	50	496	187	70.9	26.7	354	134	145	11.1
BRH-RAR-504		251	100					709	267		12.7
BRH-RAR-506		301	150					1063	401		14.3
BRH-RAR-508		351	200					1417	534		15.9
BRH-RAR-5010		401	250					1771	668		17.5
BRH-RAR-1002	100	251	50	1002	557	143.1	79.5	715	398	185	16.4
BRH-RAR-1004		301	100					1431	795		19.3
BRH-RAR-1006		351	150					2147	1193		22.2
BRH-RAR-1008		401	200					2863	1590		25.1
BRH-RAR-10010		451	250					3578	1988		28.0
BRH-RAR-1502	150	248	50	1589	924	227	132	1135	660	230	24.2
BRH-RAR-1504		298	100					2270	1320		28.9
BRH-RAR-1506		348	150					3405	1980		33.2
BRH-RAR-1508		398	200					4540	2640		37.9
BRH-RAR-15010		448	250					5675	3300		42.6

SINGLE ACTING ALUMINUM HOLLOW HYDRAULIC CYLINDER

TYPE

BRH-RACH SERIES



EASY TO USE



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
MATERIAL

PRODUCT FEATURES

- Maximum working pressure: 700bar
- Single-acting aluminum hollow hydraulic cylinder is the preferred light cylinder for tensioning and testing
- Hollow plunger design can withstand both pull and thrust
- Composite support ring improves hydraulic cylinder life and side load resistance
- Hard coating on all surfaces prevents damage and extends the life of hydraulic cylinders
- Floating center tube improves seal life
- Steel base plate and saddle for preventing damage caused by load
- The integral stop ring prevents the plunger from over-stroke and can withstand the entire cylinder capacity
- High strength return spring, can quickly retract the cylinder
- 3/8"-18NPT coupler and dust cap included on all models

SINGLE ACTING ALUMINUM HOLLOW HYDRAULIC CYLINDER



Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height (mm)	Outside Diameter (mm)	Bore Diameter (mm)	Hole Diameter (mm)	Weight (kg)
BRH-RACH-202	20	188	50	32.7	164	238	100	75	27	5.2
BRH-RACH-204		251	100		327	351				6.1
BRH-RACH-206		315	150		491	465				7.1
BRH-RACH-208		378	200		654	578				8.0
BRH-RACH-2010		442	250		818	692				9.0
BRH-RACH-302	30	208	50	51.1	256	258	130	95	34	8.0
BRH-RACH-304		267	100		511	367				9.5
BRH-RACH-306		333	150		766	483				11.2
BRH-RACH-308		395	200		1022	595				12.9
BRH-RACH-3010		458	250		1277	708				14.5
BRH-RACH-602	60	251	50	84.7	423	301	180	130	54	16.2
BRH-RACH-604		315	100		847	415				19.5
BRH-RACH-606		380	150		1270	530				25.6
BRH-RACH-608		445	200		1694	645				26.0
BRH-RACH-6010		510	250		2117	760				29.6
BRH-RACH-1002	100	258	50	164.6	823	308	250	185	79	33.8
BRH-RACH-1004		325	100		1646	425				39.8
BRH-RACH-1006		391	150		2487	541				46.2
BRH-RACH-1008		459	200		3291	659				52.2
BRH-RACH-10010		527	250		4114	777				58.8
BRH-RACH-1502	150	280	50	225.8	1129	330	275	205	79	48.9
BRH-RACH-1504		360	100		2258	460				55.7
BRH-RACH-1506		430	150		3387	580				63.0
BRH-RACH-1508		500	200		4517	700				70.1
BRH-RACH-15010		570	250		5646	820				77.2

SINGLE ACTING ALUMINUM LOCK NUT HYDRAULIC CYLINDER

TYPE

BRH-RACL SERIES



EASY TO USE



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
MATERIAL

PRODUCT FEATURES

- Max. Working pressure: 700bar
- Single acting aluminum lock nut hydraulic cylinder provides mechanical load holding.
- Hardened steel stop ring increases cylinder life and resistance to side loads of up to 5%.
- Composite bearings increase cylinder life and prevent side-load.
- Steel base plate and saddle for protection against load-induced damage.
- Integral stop ring prevents plunger over-travel and is capable of withstanding the max. lifting capacity.
- High-strength return spring for rapid cylinder retraction.
- Hard coat finish on all surfaces resists damage and extending cylinder life.
- 3/8"-18NPT coupler and dust cap included on all models.

SINGLE ACTING ALUMINUM LUCK NUT HYDRAULIC CYLINDER



Model	Capacity(T)	Closed Height (mm)	Stroke(mm)	Effective Area (cm ²)	Oil Capacity(cm ³)	Weight (kg)
BRH-RACL-202	20	224	50	31.2	156	4.0
BRH-RACL-204		274	100		312	4.6
BRH-RACL-206		324	150		468	5.2
BRH-RACL-208		374	200		624	5.8
BRH-RACL-2010		424	250		780	6.4
BRH-RACL-302	30	231	50	44.2	221	5.4
BRH-RACL-304		281	100		442	6.1
BRH-RACL-306		331	150		663	6.8
BRH-RACL-308		381	200		883	7.5
BRH-RACL-3010		431	250		1105	8.2
BRH-RACL-502	50	236	50	70.9	354	9.3
BRH-RACL-504		286	100		709	10.6
BRH-RACL-506		336	150		1063	11.9
BRH-RACL-508		386	200		1417	13.2
BRH-RACL-5010		436	250		1771	14.5
BRH-RACL-1002	100	296	50	143.1	716	21.9
BRH-RACL-1004		346	100		1431	24.2
BRH-RACL-1006		396	150		2147	26.5
BRH-RACL-1008		446	200		2863	28.8
BRH-RACL-10010		496	250		3578	31.1
BRH-RACL-1502	150	323	50	227	1135	32.2
BRH-RACL-1504		373	100		2270	36.2
BRH-RACL-1506		423	150		3405	40.2
BRH-RACL-1508		473	200		4540	44.2
BRH-RACL-15010		523	250		5675	48.2

SPLIT TYPE MANUAL HYDRAULIC PIPE BENDER

TYPE

BRH-SWG 60



PRODUCT FEATURES

- A whole set includes Hydraulic Pipe Bender, Manual Hydraulic Pump, Hydraulic Hose, Molds, Fixed Plug-pin.
- Piston plated hard Cr to prevent scratches and corrosion, surface painted to improve the resistance and corrosion;
- Hard chrome plated pistons prevent scratch and corrosion, and the painted surface is impact resistant and more corrosion resistant
- The outer diameter of the elbow is 22-159mm, and the maximum bending angle is 90°
- Lightweight heat-treated steel molds and steel frame make bending pipe smooth wrinkle-free

Model	Working Pressure	Bending Range	Bending Radius	Pipe Thickness
BRH-SWG-60	70 MPa	22-60 (OD) (mm)	4×pipe diameter (mm)	≤ 4 mm

SPLIT TYPE ELECTRIC HYDRAULIC PIPE BENDER

TYPE
BRH-DWG SERIES



EASY TO USE



STRONG & HIGH
DURABILITY



EXCELLENT
PERFORMANCE



PRODUCT FEATURES

- A whole set includes hydraulic pipe bender, electric hydraulic pump, hydraulic hose, molds, fixed plug-pin.
- Double acting hydraulic cylinder, quickly reset, improving the bending efficiency.
- Piston plated hard Cr to prevent scratches and corrosion, surface painted to improve the resistance and corrosion.
- Lightweight heat-treated steel molds and steel frame make bending pipe smooth wrinkle-free.
- Size 4"- 6" electric hydraulic pipe bender, equipped with double acting hydraulic cylinder which reset quickly, works more efficiently with electric pump.

SPLIT TYPE ELECTRIC HYDRAULIC PIPE BENDER



Model	Working Pressure (MPa)	Bending Range (OD)(mm)	Bending Radius (mm)	Pipe Thickness (mm)
BRH-DWG-60	70	22-60	4×pipe diameter	≤ 4
			Female Mould 2 pieces Pin 2 pieces Bending Tyre : 22 27 34 42 48 60	
BRH-DWG-76	70	27-76	4×pipe diameter	≤ 10
			Female Mould 2 pieces Pin 2 pieces Bending Tyre: 27 34 42 48 60 76	
BRH-DWG-108	70	27-108	4×pipe diameter	≤ 10
			Female Mould 2 pieces Pin 2 pieces Bending Tyre: 27 42 48 60 76 89 108	
BRH-DWG-159	70	76-159	4×pipe diameter	≤ 10
			Female Mould 2 pieces Pin 2 pieces Bending Tyre: : 76 89 108 133 159 Block 2 pieces	

HYDRAULIC GANTRY CRANE



PRODUCT FEATURES

- Lower cost than ordinary cranes with the same load capacity.
- It is convenient to move and can replace the use of multiple vehicles in multi-span workshops.
- Easy to transport and quick to install.
- Very low headspace requirements, enabling installation of large equipment indoors.

PRODUCT APPLICATION



Lifting and Installation of Large Forging Press



Lifting and Maintenance of Large Electric Shovel



Lifting and Installation of Large Generator



Lifting and Installation of Large Generator



Lifting and Installation of Large Generator



Lifting and Installation of Large Generator

HYDRAULIC GANTRY CRANE



Model	Retracted Height (m)	1st Stage		2nd Stage		3rd Stage		Number of Telescopic Arms	Min. Center-to-Center Distance between Two Beams (m)
		Max. Height (m)	Max. Load (T)	Max. Height (m)	Max. Load (T)	Max. Height (m)	Max. Load (T)		
BRH-10003-04-12	4.37	7	250	9.7	170	12	95	4	4
BRH-10002-04-10.5	5	8	250	10.5	170	-	-	4	4
BRH-9003-04-12	4.5	7.2	225	9.8	150	12	85	4	4
BRH-9002-04-11	5	8.1	225	11	150	-	-	4	4
BRH-8003-04-12	4.37	7	200	9.7	125	12	80	4	3
BRH-8002-04-11.5	5.2	8.5	200	11.5	125	-	-	4	3
BRH-7003-04-12	4.37	7.2	175	9.7	110	12	75	4	3
BRH-7002-04-11.5	5.2	8.5	175	11.5	125	-	-	4	3
BRH-6003-04-12	4.8	7.2	150	9.5	95	12	60	4	2.8
BRH-6002-04-11.5	5.2	8.5	1750	11.5	95	-	-	4	2.8
BRH-5003-04-12	4.5	7	125	9.5	75	12	55	4	2.8
BRH-5002-04-11.5	5.2	8.5	125	11.5	95	-	-	4	2.8
BRH-4003-04-12	4.5	7	100	9.5	65	12	180	4	2.8
BRH-4002-04-11.5	5.2	8.5	100	11.5	65	-	-	4	2.8
BRH-3002-04-08	3.8	5.9	75	8	55	-	-	4	2.2
BRH-2002-04-6.7	2.8	4.8	50	6.7	35	-	-	4	2
BRH-1002-04-4.8	2.05	3.4	25	4.8	18	-	-	4	2

HYDRAULIC GANTRY CRANE



Model	Base Height (m)	Base Lateral Width(m)	Base Axial Width(m)	Track Height (m)	Max. Load of 1st Stage (T)	Max. Load of 2nd Stage (T)	Max. Load of 3rd Stage (T)	Pin Through or Not
BRH-10003-04-12	2.13	3.46	1.85	0.6	1000	680	(T)	No
BRH-10002-04-10.5	2.13	3.46	1.85	0.6	1000	680	-	No
BRH-9003-04-12	2.13	3.46	1.85	0.6	900	600	340	No
BRH-9002-04-11	2.13	3.46	1.85	0.6	900	600	-	No
BRH-8003-04-12	1.85	2.72	1.41	0.5	800	500	320	No
BRH-8002-04-11.5	1.85	2.72	1.41	0.5	800	500	-	No
BRH-7003-04-12	1.85	2.72	1.41	0.5	700	440	300	Yes
BRH-7002-04-11.5	1.85	2.72	1.41	0.5	700	500	-	No
BRH-6003-04-12	2	2.4	1.32	0.4	600	380	240	Yes
BRH-6002-04-11.5	2	2.4	1.32	0.4	600	380	-	No
BRH-5003-04-12	2	2.4	1.32	0.4	500	300	220	Yes
BRH-5002-04-11.5	2	2.4	1.32	0.4	500	380	-	No
BRH-4003-04-12	2	2.4	1.32	0.4	400	260	720	Yes
BRH-4002-04-11.5	2	2.4	1.32	0.4	400	260	-	No
BRH-3002-04-08	1.9	1.7	1.2	0.3	300	220	-	No
BRH-2002-04-6.7	1.55	1.4	1.1	0.3	200	140	-	No
BRH-1002-04-4.8	1.55	1.4	1.1	0.3	100	72	-	No

SYNCHRONOUS HOISTING HYDRAULIC SYSTEM

TYPE

BRH-TSD SERIES



PRODUCT INTRODUCTION

The steel strand hoisting system uses flexible steel strand load-bearing, lifting clusters of steel wire cylinders, and computer-controlled automated large-scale equipment. It is suitable for modern construction technology. It has been well verified in the field of large-tonnage, large-span, large-area super-large components, high-altitude overall synchronous hoisting and decentralization.

PRODUCT FEATURES

- Expanding the combination of hoisting equipment, hoisting weight, span and volume are not limited.
- Use flexible steel strands for load-bearing, as long as there are reasonable load-bearing hoisting points, the hoisting height is not limited.
- The anchor has self-locking property of reverse movement, which makes the hoisting process very safe, and the components can be reliably locked for a long time at any position in the hoisting process.
- The equipment is small in size, light in weight and large in carrying capacity, and is particularly suitable for lifting large tonnage components in narrow spaces or indoors.
- The equipment has high degree of automation, convenient and flexible operation, high reliability and wide application.

SYNCHRONOUS HOISTING HYDRAULIC SYSTEM

TYPE
BRH-TSD SERIES



Model	Rated Lifting Power (T)	Closed Height (mm)	Stroke (mm)	Steel strand Diameter (mm)	Steel strand Quantity	Weight (kg)
BRH-TSD-15	15	1980	500	18	1	160
BRH-TSD-60	60	2000	500	18	4	610
BRH-TSD-100	100	2050	500	18	7	910
BRH-TSD-200	185	2100	500	18	12	1600
BRH-TSD-300	294	2180	500	18	19	2300
BRH-TSD-400	400	2280	500	18	27	3300
BRH-TSD-600	588	2300	500	18	38	4500
BRH-TSD-700	697	2350	500	18	45	5600
BRH-TSD-800	800	2400	500	18	54	6660
BRH-TSD-1000	1000	2500	500	18	66	8000

SELF-ELEVATING SYNCHRONOUS LIFTING HYDRAULIC SYSTEM

TYPE

BRH-JAD SERIES



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY

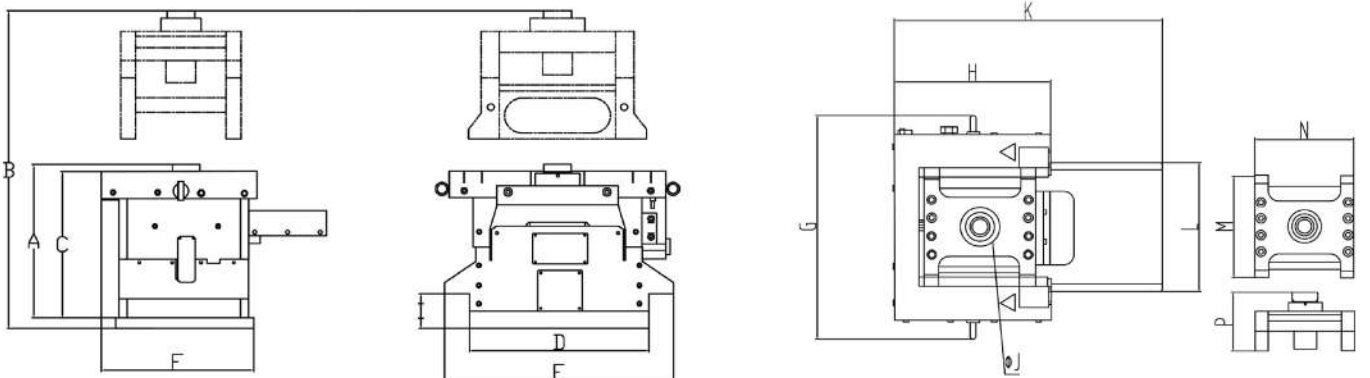


HIGH QUALITY
COMPONENTS



PRODUCT INTRODUCTION

- Automatic mechanical self-locking.
- Jobs can be completed more efficiently due to simplified operating procedures and 50% fewer operating cycles than climbing lifting systems.
- Self-aligning steel lifting modules save time, improve eccentric load resistance, and eliminate the need for wooden buttstock.
- The top support has an adjustable swivel saddle, which can be fine-tuned with a screw during lifting, and the adjustment stroke is 50mm.
- The low body height of 494mm, the maximum lift height can reach 2067mm.



SELF-ELEVATING SYNCHRONOUS LIFTING HYDRAULIC SYSTEM

TYPE
BRH-JAD SERIES



Model	Max. Side Load(m)	Lifting Capacity per Base Unit (T)	Stroke (mm)	Swivel Saddle Adjustable Stroke(mm)	Max. Allowable Single Oil Flow (L/min)	Advance (cm ³)	Retract (cm ³)	End Block Weight (kg)	Base Weight (kg)	Block Weight (kg)
BRH-JAD-108	1.5% @ 2m	50	156	50	0.90	1225	624	40	360	16
BRH-JAD-208A	1.5% @ 2m	100	156	50	1.12	2071	965	100	820	23.5

Model	Min. Height Including End Blocks (mm)	Max. Height (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	P min. (mm)	P max. (mm)
BRH-JAD-108	494	2067	494	2067	476	356	505	443	556	428	91	75	726	351	300	310	175	225



Synchronous lifting of large-scale equipment assembly into place



Synchronous lifting of large steel structures into place

SPLIT-FLOW SYNCHRONOUS LIFTING HYDRAULIC SYSTEM

TYPE

BRH-SFP SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



HIGH QUALITY MATERIAL



PRODUCT INTRODUCTION

Flow synchronization is realized on the basis of synchronous pumps, using a single motor to drive a hydraulic pump with multiple outlets. At the same time, the synchronous pump provides the same flow of hydraulic oil to drive the hydraulic jacks for different hydraulic lines. Rely on the precise flow output of each pump head to ensure synchronization of multiple hydraulic jacks (hydraulic jacks of the same tonnage). The size of the load has little effect on synchronization. The biggest feature of this system is to control the equal flow of each output, so as to realize the synchronization requirements of all points.

PRODUCT FEATURES

- Maximum working pressure: 700bar.
- Oil tank capacity 40-150L.
- Split-flow outlet: 2/4/6.
- Flow under rated pressure: 0.45-4.20 L/ min.
- Valves work individually or synchronously, with advance/ hold/ retract function.
- Joystick (manual) or pendant (solenoid) control.
- Adjustable pressure relief valve per circuit



Synchronous lifting and weighing of drilling platform

SPLIT-FLOW SYNCHRONOUS LIFTING HYDRAULIC SYSTEM

TYPE

BRH-SFP SERIES

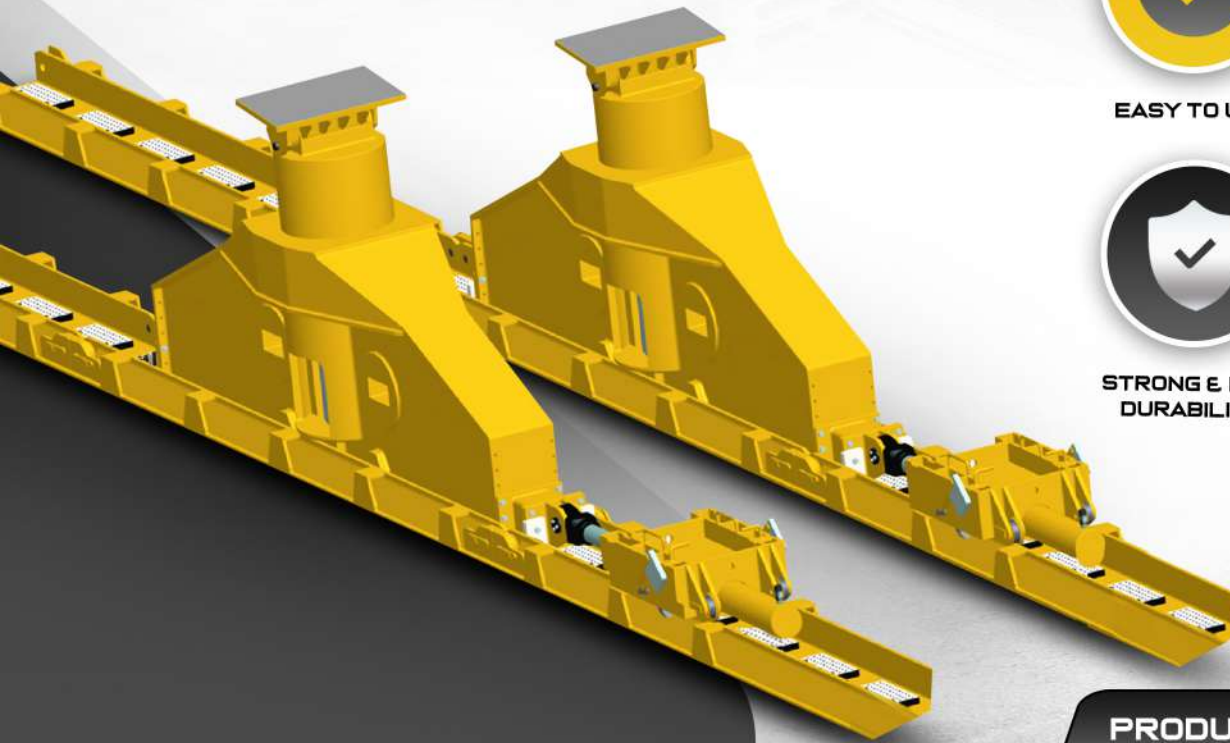


Pump Model 4/3 Valve Operation Advance / Hold / Retract		Number of Outlets	Oil Tank Capacity (L)	Flow (L/min)	Motor Size 380V 50HZ Three-phase (kW)	Weight (kg)
Manual (Joystick)	24V solenoid (pendant)					
BRH-SFP213MW		2	40	1.30	5.5	240
	BRH-SFP213S	2	40	1.30	5.5	240
BRH-SFP228MW		2	150	2.80	7.5	488
	BRH-SFP228S	2	150	2.80	7.5	488
BRH-SFP242MW		2	150	4.20	11	526
	BRH-SFP242S	4	150	4.20	11	526
BRH-SFP404MW		4	40	0.45	5.5	240
	BRH-SFP404S	4	40	0.45	5.5	240
BRH-SFP409MW		4	150	0.90	5.5	475
	BRH-SFP409S	4	150	0.90	5.5	475
BRH-SFP414MW		4	150	1.40	5.5	488
	BRH-SFP414S	4	150	1.40	5.5	488
BRH-SFP421MW		4	150	2.10	7.5	526
	BRH-SFP421S	4	150	2.10	7.5	526
BRH-SFP604MW		6	40	0.45	5.5	240
	BRH-SFP604S	6	40	0.45	5.5	240
BRH-SFP805MW		8	150	0.55	7.5	510
	BRH-SFP805S	8	150	0.55	7.5	510

LONG DISTANCE HYDRAULIC SKIDDING SYSTEM

TYPE

BRH-VSS SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY

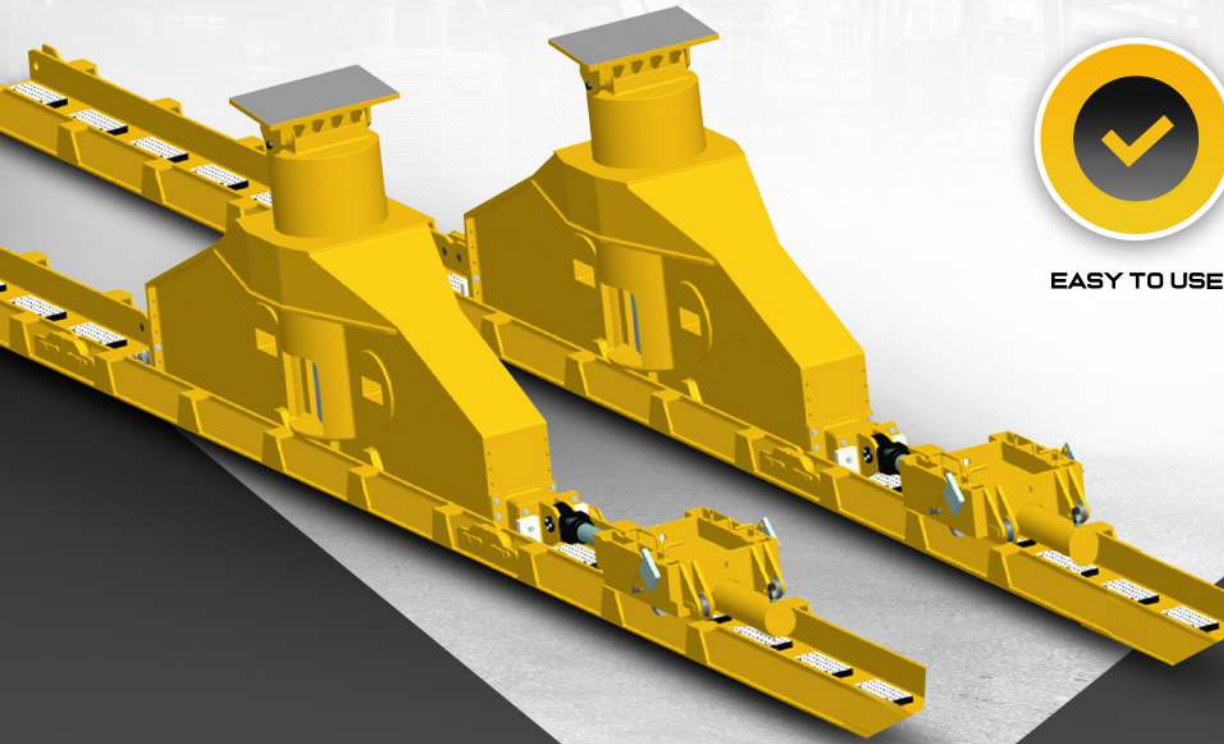


HIGH QUALITY MATERIAL

PRODUCT FEATURES

- Single device capacity: 100-1000T
- Synchronous sliding speed: 0-1m/min
- Synchronous positioning accuracy: $\pm 1\text{mm}$
- Heavy load lifting stroke: 200mm
- Single pushing distance: 200-1000mm
- Online connection mode: bus communication
- Each load-bearing device has a maximum lifting capacity of 1,000 tons, and the system can be connected to a maximum of 100 devices for simultaneous synchronization control.
- With synchronous positioning accuracy up to $\pm 1\text{mm}$, all parameters can be set in the master control room according to needs of the working conditions.
- Modern communication bus networking mode, electromechanical fluid integration design; each load bearing equipment is a complete hydraulic, mechanical and electrical control unit.
- Adopt heavy-duty sliding method to ensure that there is no possibility of instability or falling in the vertical direction, which is safe and reliable.
- Real-time monitoring by displacement sensors and pressure sensors to ensure on-site data construction.
- All pipelines are quickly plugged and unplugged; and on-site operation is simple and convenient.
- The system has function of "auto-fit" operated by one button. No matter how complex the datum plane of the component is, the system can make all the load equipment contact the upper component at the same time, and then execute, carry out lifting operation.

LONG DISTANCE HYDRAULIC SKIDDING SYSTEM



EASY TO USE



EXCELLENT PERFORMANCE



HIGH QUALITY MATERIAL



Undersea tunnel construction caisson synchronously pushed into place



The liquefied petroleum gas regasification unit is pushed into place synchronously



Synchronous push and loading of drilling platform

Model	Lifting Device			Push-Pull Device		
	Capacity(T)	Min. Height (mm)	Stroke(mm)	Capacity(T)	Stroke (mm)	Weight (kg)
BRH-VSS-100	100	645	150	100/50	600	585
BRH-VSS-150	150	905	250	150/75	600	1000
BRH-VSS-300	300	1355	400	300/150	1250	3211
BRH-VSS-500	500	1485	600	500/250	1250	4761
BRH-VSS-800	800	1542	600	800/400	1250	8000
BRH-VSS-1000	1000	1462	600	1000/500	1250	11600

3D HEAVY-DUTY SLIDING HYDRAULIC SYSTEM



PRODUCT INTRODUCTION

The 3D heavy-duty sliding hydraulic system has the ability of heavy-duty synchronous sliding movement and precise positioning in three-dimensional space, and can be used for the movement and precise positioning of large-scale components or equipment in three-dimensional space. The heavy-load sliding method is adopted to ensure the safety and reliability during the moving process.

Each carrying equipment has a maximum lifting capacity of 600 tons, and the system can be connected to a maximum of 100 equipment for linkage synchronization control.

The system has a one-key "automatic zero-finding" function. No matter how complex the component reference plane is, the system can make all load-bearing equipment contact the upper component at the same time and then perform heavy lifting and adjustment positioning. The system adopts the communication bus networking method, and a communication bus is quick-plugged in series to connect the central synchronization console and multiple load-bearing devices to communicate all information. Each carrying equipment is a complete hydraulic, mechanical and electrical control unit, and a complete system can be established only by using a communication bus to quickly connect between the central synchronization console and each equipment. With a synchronous positioning accuracy of up to 5mm, all parameters can be set in the central console according to the needs of the working conditions. The computer central console can set system parameters and display the pressure, displacement and fault information of the equipment in a timely manner.

PRODUCT INTRODUCTION

- Heavy load moving speed: 0.5m/min
- Heavy load synchronization accuracy: 5mm
- Equipment bearing capacity: 600 tons
- Number of control devices: 100 sets
- Adjust the positioning accuracy: 1mm
- Vertical adjustment stroke: 150mm
- Horizontal adjustment stroke: ± 30 mm
- Appropriate moving distance: within 300m
- Adjust positioning dimensions: X, Y, Z three-way adjustment and positioning



MAIN COMPONENTS AND FEATURES

Product	Function and Features
PC Sync console	The synchronous console issues control instructions and collects and processes information; the main hardware consists of an industrial touch screen computer and a PLC module.
Heavy-Duty Skidding Trolley	It is composed of heavy-duty trolley body, hydraulic jack, hydraulic control valve and PLC control module; it carries heavy-duty components and performs three-dimensional and six-direction movements such as lifting and moving.
Modular Slide Track	Provides a slip bearing surface and reduces friction. The length of each piece is fixed at 6m; it can be modularized and assembled quickly. Install in two rows.
Mobile Electric Vehicle	Follow the components and equipment to walk while providing electric power source for the equipment; they are respectively arranged at the sliding rails on both sides.
Communication Bus	Connect the communication bus between the synchronous console and the heavy-duty equipment; use one bus to connect multiple heavy-duty equipment in series, and connect quickly.

MAIN CONFIGURATION LIST

Working Conditions and Requirements	Main Configuration List	
Working Conditions and Requirements	Product Name	QTY
The total component weight is 3000 tons, 50 meters long and 20 meters wide	Eight-point sync console	1
The component is 1.5 meters away from the ground and needs to move 60 meters away	600 ton heavy-duty skidding trolley	8
Requires lateral movement adjustment capability, and lateral adjustment does not exceed ± 30 mm	6 meters long sliding track	24
Full movement and positioning, no more than 6 hours	70m line power supply car	2
The foundation is piled and has sufficient ground bearing capacity	20 meters long communication bus	8

HEAVY DUTY RAIL MOVING HYDRAULIC SYSTEM

TYPE

BRH-ZGY SERIES



PRODUCT INTRODUCTION

The heavy-duty rail moving hydraulic system has the ability of heavy-duty synchronous wheel-rail movement and accurate vertical positioning, and can be used for the movement of large components or equipment. It has a fast moving speed, and the speed is adjustable by frequency conversion. Each bearing equipment has a lifting capacity of 50-600 tons, and the system can be connected to a maximum of 100 equipment for linkage and synchronous operation.

The system has a one-key "automatic zero-finding" function. No matter how complex the reference plane of the member is, the system can make all load-bearing equipment contact the upper member at the same time, and then perform heavy lifting and adjustment and positioning. The communication bus networking mode, a communication bus adopts the quick-plug method, and connects the central synchronization console and multiple load-bearing devices in series to communicate all information. Two-way communication of synchronization commands of the synchronization console and feedback of sensor information. It has a synchronous positioning accuracy of up to 1mm in the height direction, and all parameters can be set in the central console according to the needs of the working conditions. The central console can set system parameters and display the pressure, displacement and fault information of the equipment in a timely manner. The heavy-duty mobile drive mode can use variable frequency motor drive and hydraulic propulsion drive, depending on the moving distance and speed.

- Heavy load moving speed: 10m/min (motor drive)
- Heavy load moving speed: 0.5m/min (hydraulic transmission)
- No-load moving speed: 50m/min (motor drive)
- No-load moving speed: 0.5m/min (hydraulic transmission)
- Appropriate moving distance: 300m-5km
- Heavy load positioning accuracy: 1mm (Z direction)
- Equipment lifting capacity: 50-600 tons; number of control equipment: 100 PC
- Heavy load positioning dimension: Y and Z directions; vertical adjustment stroke: 150, 250mm.



MAIN COMPONENTS AND FEATURES

Product Name	Function and Features
PC Sync Console	The synchronous console issues control instructions and collects and processes information; the main hardware consists of an industrial touch screen computer and a PLC module.
Heavy-Duty Wheel Rail Car	It is composed of wheel-rail body, hydraulic jack, hydraulic control valve and PLC electrical control module. Bearing heavy load components to lift, move and other actions.
Heavy Duty Track	Provides a bearing surface for wheel-rail running and reduces forward friction. Standard heavy rail and crane rail are used. Install in two rows.
Mobile Electric Vehicle	Follow the components and equipment to walk while providing electric power source for the equipment; they are respectively arranged at the sliding rails on both sides.
Communication Bus	Connect the communication bus between the synchronous console and the heavy-duty equipment; use one bus to connect multiple heavy-duty equipment in series, and connect quickly.

Model	Lifting Capacity (T)	Vertical Stroke (mm)	Drive Mode	Control Method	Matching Track
BRH-ZGY-506	50	150	Motor driven, hydraulic propulsion	Synchronized console or manual control	P series, heavy rail
BRH-ZGY-1006	100	150	Motor driven, hydraulic propulsion	Synchronized console or manual control	P series, heavy rail
BRH-ZGY-3006	300	150	Motor driven, hydraulic propulsion	Synchronized console or manual control	crane, rail
BRH-ZGY-3006	300	150	Motor driven, hydraulic propulsion	-	crane, rail
BRH-ZGY-6006	600	150	Motor driven, hydraulic propulsion	Synchronized console or manual control	crane, rail

TUBE LOADING EXPERIMENT HYDRAULIC SYSTEM



EASY TO USE



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
MATERIAL



PRODUCT INTRODUCTION

Tube loading experiment hydraulic system includes the mechanical properties of the inter-block and inter-ring joints, full-scale single-ring loading and full-scale three-ring loading tests. Aiming at key problems such as the repeated effects of high pressure inside and outside of single-layer lining deep tunnels and the coupling of tunnel structure and soil under ultra-deep soil, the safety of the segment structure design was verified by combining multiple working conditions. Construction of the segment structure, the adaptability of the ground and ultimate failure characteristics were studied. The repeated loading cycle test of storage and drainage has been specially increased.

The hydraulic system of segment loading test adopts 45 loading points combined with tensile and compressive loading to achieve an axisymmetric load distribution consistent with the design model. 15 loading points in the longitudinal direction of the tunnel are used to simulate shield thrust and ring prestress. A total of 1040 measuring elements are embedded in the monitoring hydraulic system. A three dimensional laser scanner is used to comprehensively monitor the displacement and deformation of the segment structure. The amount of data obtained is tens of thousands of times that of the traditional displacement meter; non-contact testing methods such as binocular DIC digital photography technology monitor crack development in real time. In view of the fact that the effect of formation resistance on tunnels with internal pressure is much higher than that of ordinary tunnel linings, in addition to the traditional load-structure model, this experiment also developed the first adaptive formation resistance loading system that simulates "earth spring", which can be achieved verification of stratum structure models with different resistance coefficients.

APPLICATION



Synchronous loading pressure test of tunnel segment



Synchronous loading pressure test of tunnel segment



Synchronous loading pressure test of tunnel segment



Synchronous loading pressure test of tunnel segment

Multi-point Forming of Large Diameter Metal Bellows Expansion Joints



The materials of large-diameter bellows are generally austenitic stainless steel, corrosion-resistant alloy, white copper, industrial pure titanium and other high-cost high-quality materials. Their sizes and specifications are generally between DN50-4800mm. The core problem is how to apply a certain axial force evenly in a circle. For the small-diameter bellows pressing, we usually use the whole press to solve it

But for the suppression of large diameter bellows, such as the diameter of 8 meters or even wider diameter, conventional press is completely unable to do due to space design and the whole frame problem. In the development and design of this set of equipment, we integrate the forming action and fatigue test action design, so as to facilitate customers to do relevant fatigue tests after pressing and molding the bellows.



PORTABLE SYNCHRONOUS LIFTING HYDRAULIC SYSTEM

TYPE

BRH-LDXT SERIES



EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY

PRODUCT FEATURES

- Displacement Precision: $\leq \pm 0.5\text{mm}$
- Working Voltage: AC380V/50Hz (three-phase five-wire system)
- Max. Working Pressure: 350bar
- Operation Mode: button operation and touch screen operation
- Control Mode: PWM (pulse width modulation control)
- Control Interface: Human-Computer

- Displacement Precision $\leq \pm 0.5\text{mm}$
- Working Voltage: AC380V/50Hz (three-phase five-wire system)
- Max. Working Pressure: 700bar
- Operation Mode: button operation and touch screen operation
- Control Mode: PWM (pulse width modulation control)
- Control Interface: Human-Computer
- Control Point: single machine 8-point synchronization
- Support Network Communication Point Expansion





PRODUCT INTRODUCTION

Our company has drawn lessons from the latest technology of international similar products and integrated our accumulated experience in the hydraulic field for many years, and successfully developed the special portable synchronous lifting system for bridge. Based on our previous experience in the use of hydraulic products in roads and bridges, we conclude that this product is very suitable for the maintenance needs of highway bridges and fills the gap of similar products at home and abroad.

The system uses hydraulic drive, pressure and displacement closed-loop automatic control to achieve multi-point control, which is widely applied in rubber support replacement of expressway, small stroke synchronous lifting and falling, rectification, etc

Model	Displacement Precision (mm)	Voltage	Max. Working Pressure (MPa)	Operating Mode	Control Mode	Control Point	Point Expansion
BRH-LDXT-4	$\leq \pm 0.5$	AC380V/50Hz (Three-Phase Five-Wire System)	35	Button Operation & Touch Screen Operation	Pulse Width Modulation Control	Single Machine 4-point Synchronization	Support

Model	Displacement Precision (mm)	Voltage	Max. Working Pressure (MPa)	Operating Mode	Control Mode	Control Point	Point Expansion
BRH-HDXT-4	$\leq \pm 0.5$	AC380V/50Hz (Three-Phase Five-Wire System)	70	Button Operation & Touch Screen Operation	Pulse Width Modulation Control	Single Machine 8-point Synchronization	Support

FAN IMPELLER INTELLIGENT CLAMPING DEVICE HYDRAULIC SYSTEM



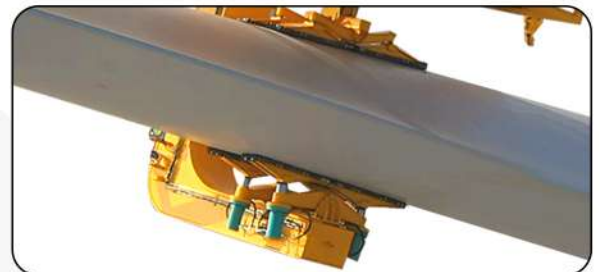
EXCELLENT
PERFORMANCE



STRONG & HIGH
DURABILITY



HIGH QUALITY
COMPONENTS



PRODUCT INTRODUCTION

The space angle adjustment mechanism, cable wind system, power system and control system are all arranged on the single-blade spreader, which is convenient for transportation and maintenance; it can not only turn the car with blades, but also realize pitching with blades. In particular, the function of pitching with blades can better solve the inaccurate lateral center of gravity of the blades when they leave the factory. The problem of precise blade clamping is difficult. The main beam area can be clamped precisely.

The spreader can drive the blade pitch, which can better solve the problem of the hole between the blade root bolt and the hub bearing. Comes with four cable wind mechanisms that can be retracted independently and automatically followed, with stronger wind resistance stability. It can not only adapt to the installation of the multi-angle single-blade aerial assembly on the hub bearing of the electric pitch unit, but also adapt to the multi-angle single-blade aerial assembly of the hydraulic pitch unit. Compared with the single-blade spreader with angle installation in the current industry, the installation of the hub bearing has stronger adaptability and economy.



PRODUCT FEATURES

- Fan impeller intelligent clamping device will help wind power installation industry to improve installation efficiency.
- With safety protection and fault self-diagnosis functions, and a safety backup system to ensure construction safety.
- Using wireless remote control, real-time monitoring of impeller turning process angle.
- Wide range of use. Through simple adjustment, it can be adapted to different types of blade hoisting at the same time.
- The overall structure is compact, and there is no need for secondary assembly on site; convenient transportation and maintenance.
- Light weight of the whole machine, lower lifting height requirements, more convenient operation.
- Only taking 30 minutes from clamping the blade to disengaging the blade.



AXIAL SUPPORT INTELLIGENT CONTROL HYDRAULIC SYSTEM



PRODUCT INTRODUCTION

With the development of municipal construction, the foundation pit construction of urban underground traffic and large ground buildings will face more and more security risks. Therefore, in the excavation of large deep foundation pit, the requirements for the control of surface settlement and the deformation of the foundation pit wall are becoming higher and higher. At present, in oversize municipal construction projects, the application of intelligent axial force support hydraulic system has also become the mainstream in order to cope with the foundation pit excavation settlement and deformation.

Intelligent axial force supporting hydraulic system realizes automatic control of the axial force of steel support of the side wall of foundation pit during excavation of foundation pit, and monitoring and early warning of deformation of the side wall of the foundation pit through stroke change of hydraulic cylinders. This is a complete set of safety solutions for foundation pit support. It is characterized by 24-hour real-time monitoring, automatic compensation of low pressure, automatic alarm of high pressure and all-round multiple security guarantees. It is suitable for engineering projects that has strict control requirement of deformation of foundation pits.



PRODUCT FEATURES

- Single-point support tonnage: 150T, 200T, 250T, 300T, 350T
- Single machine control points: 8 points, 12 points, 16 points optional
- Number of single station connected to master controller: 4, 8, 12
- Motor power: 2.2KW-7.5KW
- System flow: 10L/min (low pressure), 2 L / min (high pressure)
- Safety features: power supply redundancy, PLC redundancy, low-voltage automatic compensation, overpressure alarm, mechanical self-locking
- System design pressure: 250bar, 315bar
- Displacement measurement resolution: 0.01mm
- Pushing force accuracy: $\pm 0.3\%$ FS (force sensor), $\pm 1.5\%$ (cylinder sensor)
- Transmission method: wired or wireless compatible
- Cylinder stroke: 150mm, 200mm, 250mm, 300mm



Synchronous intelligent support for



Synchronous intelligent support for foundation pits in subway construction

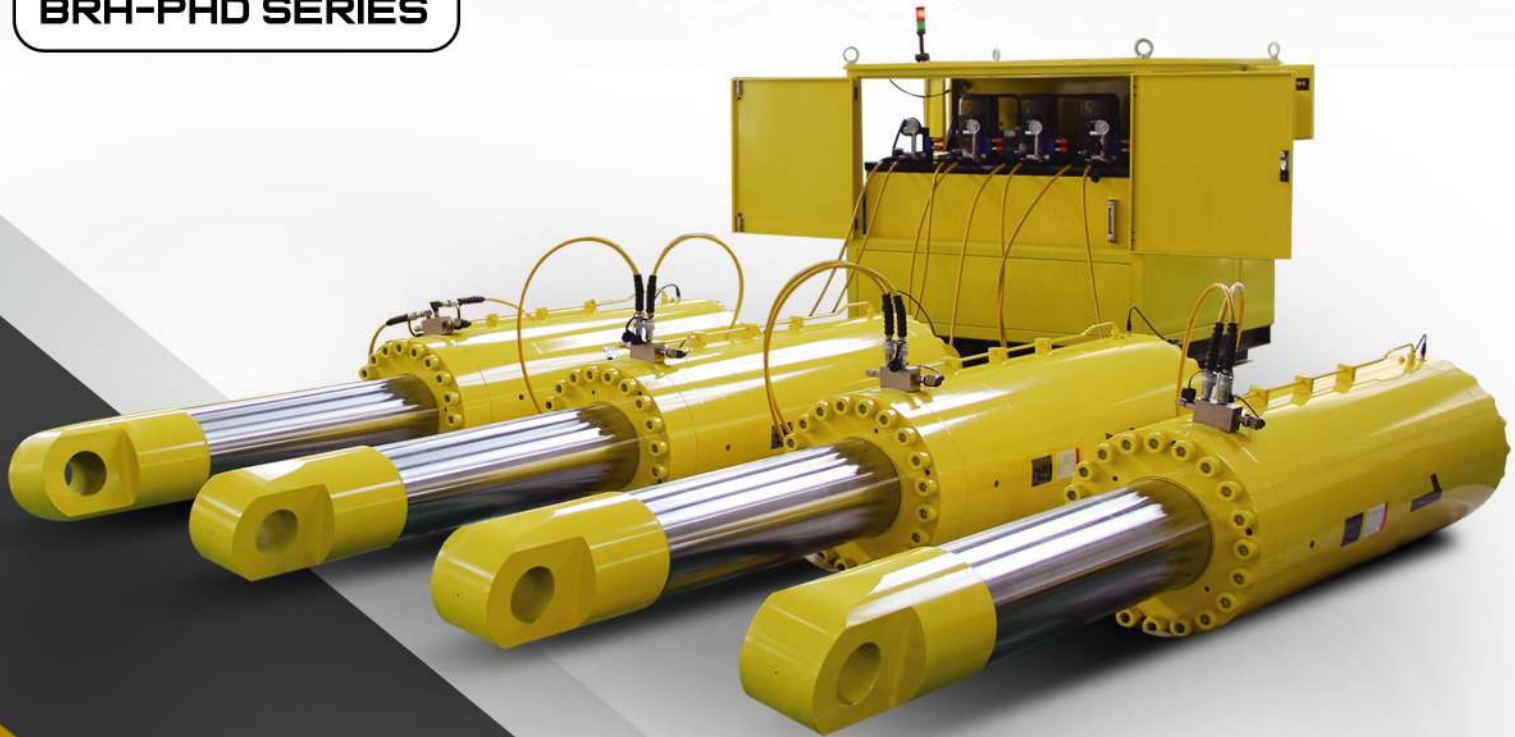


Synchronous intelligent support for foundation pits in subway construction

MULTI-POINT AUTOMATIC BALANCE POSITIONING HYDRAULIC SYSTEM

TYPE

BRH-PHD SERIES



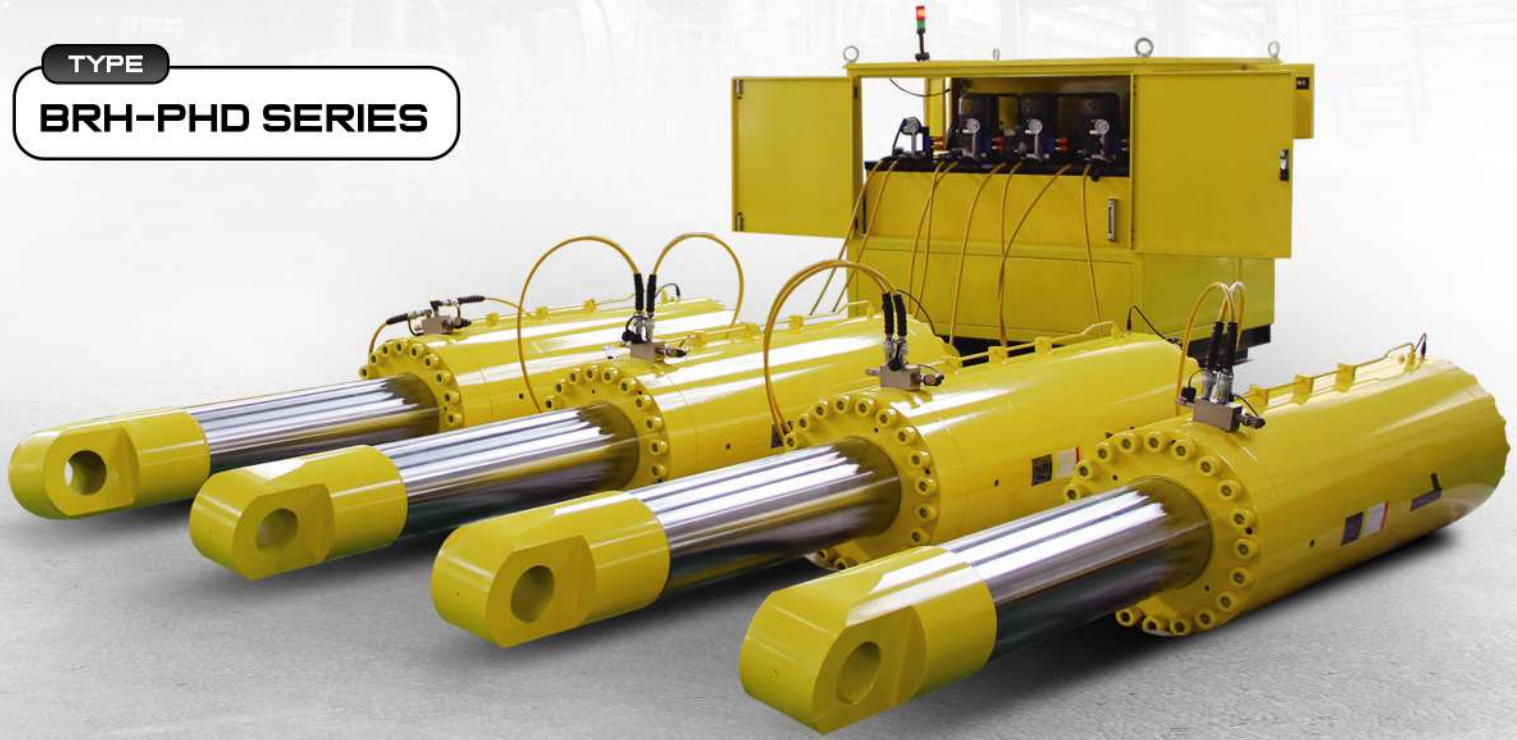
PRODUCT FEATURES

- The built-in displacement sensor in the oil cylinder realizes high-precision horizontal positioning adjustment.
- The system can be equipped with an optional load cell integrated inside the jack to achieve high precision weighing.
- High-precision load weighing and center of gravity display.
- Manual / automatic leveling function. Operation is safe, simple and convenient.
- High precision control ($\pm 1.0\text{mm}$)
- Reduces the risk of damage to the sling due to vibrations when the crane starts and stops suddenly.
- Greatly increases operating speed and operator safety.
- Control system integrated development.
- Manual/automatic free switching, convenient for on-site operation.
- Fully automatic displacement and pressure double closed-loop control.
- Self-contained alarm function: position out-of-tolerance alarm, pressure out-of-limit alarm, oil level alarm, oil temperature alarm, etc.
- The system is equipped with man-machine interface, optional wireless remote control and local operation.
- Real-time storage of construction data to achieve data traceability.
- Automatic screen display of load center of gravity position

MULTI-POINT AUTOMATIC BALANCE POSITIONING HYDRAULIC SYSTEM

TYPE

BRH-PHD SERIES



Model	Max. Working Pressure (MPa)	Capacity (T)	Leveling Point	Max. Leveling Stroke (mm)	Single Cylinder Pulling Force (T)	Flow Rate (L/min)
BRH-PHD-240	31.5	240	4	1500	60	2
BRH-PHD-400	31.5	400	4	1500	100	4
BRH-PHD-800	31.5	800	4	1500	200	6



Precise positioning of segment hoisting for large shield machine

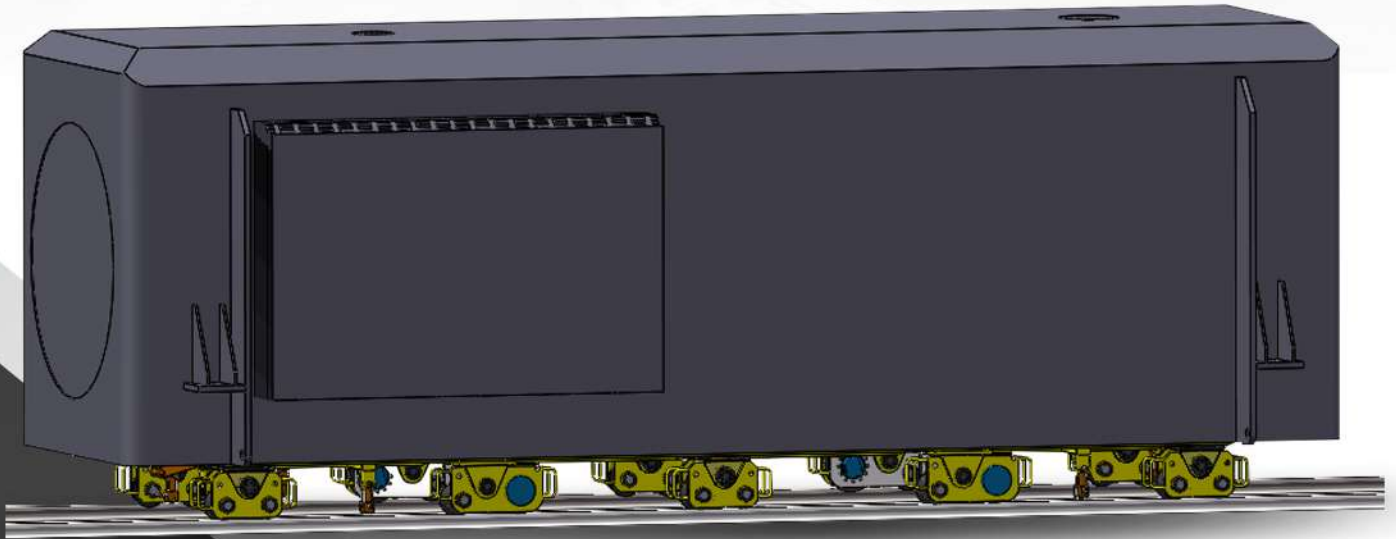


Precise positioning of nuclear power component hoisting



Precise positioning of steel box girder hoisting

TRANSFORMER INTELLIGENT TRANSFER HYDRAULIC SYSTEM



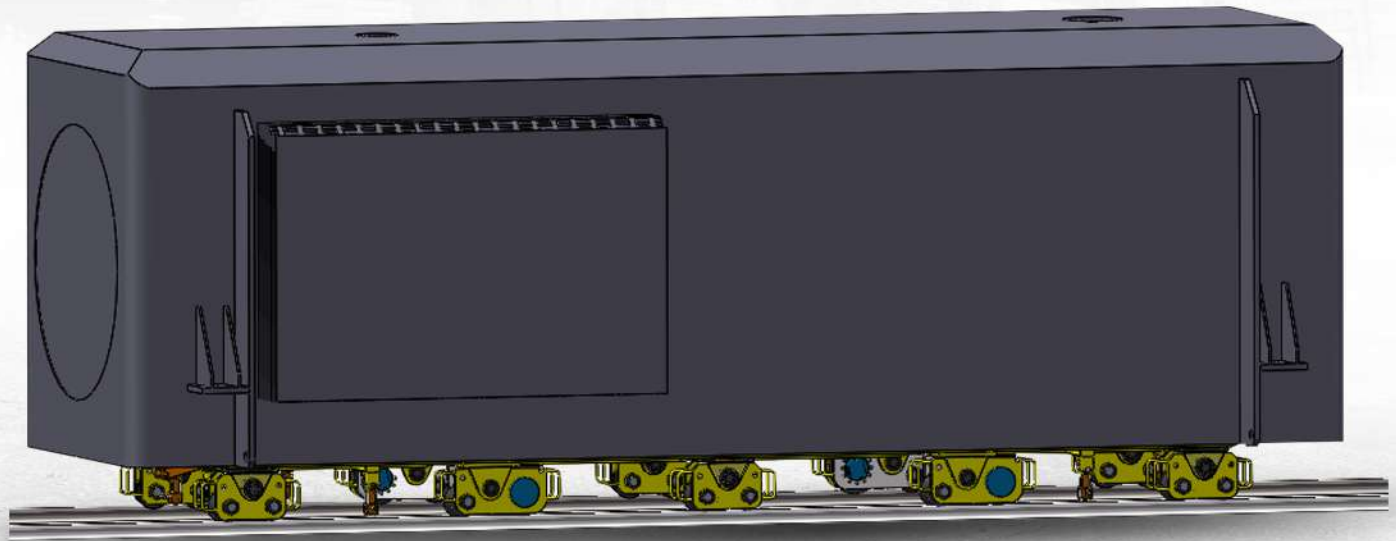
Hauling Work Process:

Synchronous move, Synchronous lifting, Walking, Reversing.

PRODUCT INTRODUCTION

The main transformer of a hydropower station (here in after referred to as the "main transformer") is generally large and heavy, and it is difficult to install it in place, repair it and move it. The currently used hauling operation method is the traditional hoist hauling, which has problems such as high construction intensity and long operation period, which seriously restricts the maintenance efficiency of the main transformer. Transformer intelligent moving hydraulic system integrates functions such as synchronous jacking, autonomous walking, and synchronous moving. The hydraulic system has the characteristics of high control precision, fast system response, good stability and high degree of intelligence.

TRANSFORMER INTELLIGENT TRANSFER HYDRAULIC SYSTEM



POWER TROLLEY

- The power trolley is equipped with 4 driving wheel unit units, 6 driven wheel unit units, and platform components.
- The driving wheel unit is arranged in the second left and right groups at both ends of the main transformer in the horizontal direction.
- Equipped with 4 sets of self-locking hydraulic jacks to assist the direction adjustment of the walking wheels.

MAIN COMPONENTS OF THE HYDRAULIC SYSTEM

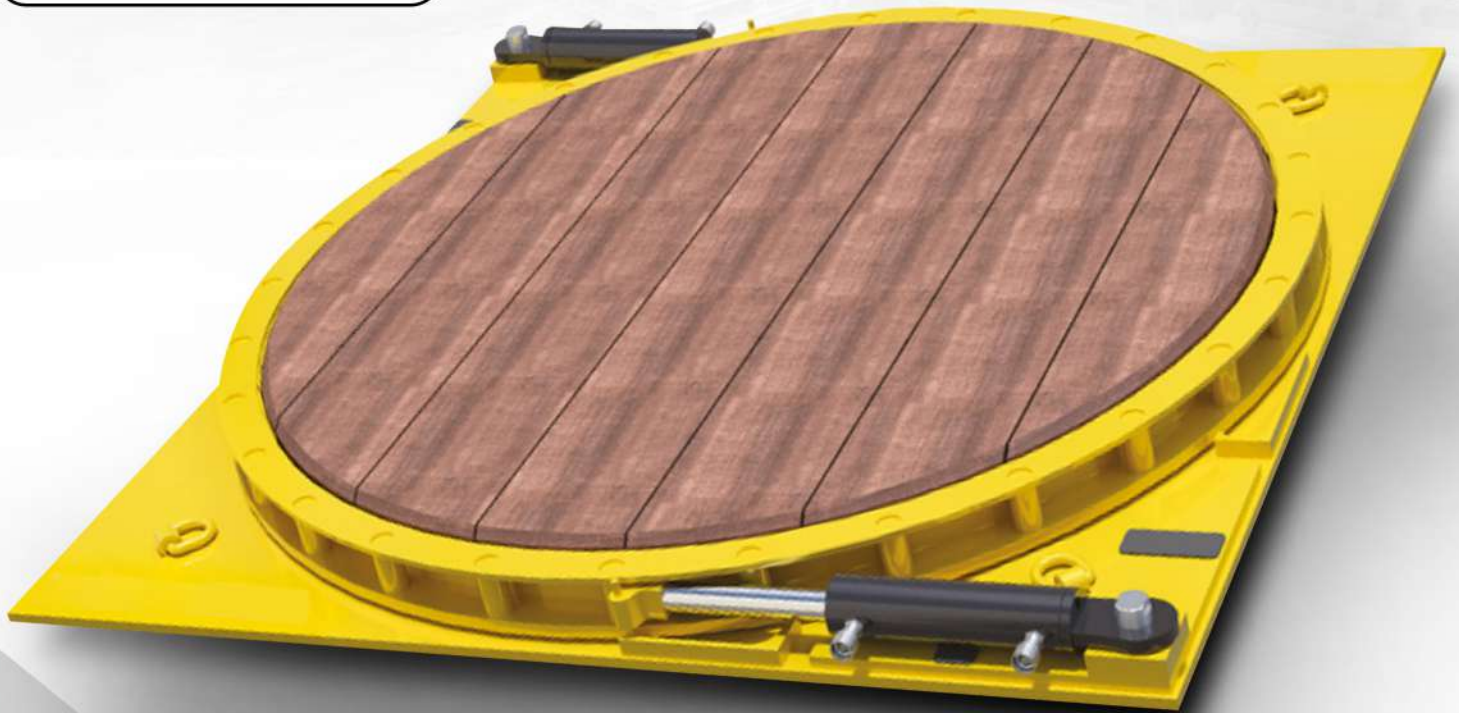
- 2 sets of hydraulic rail clamps.
- 2 push-pull jacks for hydraulic rail clamps.
- 4 fixed pins (two long and two short).
- 1 hydraulic pump station.
- 2 hoses for push-pull jack.

- 2 hoses for rail jacks.
- Self-locking hydraulic jacks: 4 PC.
- Hydraulic hose: 8.
- Four-point variable frequency synchronous control
- hydraulic system: 1 set

HYDRAULIC TURNTABLE

TYPE

BRH-TT SERIES

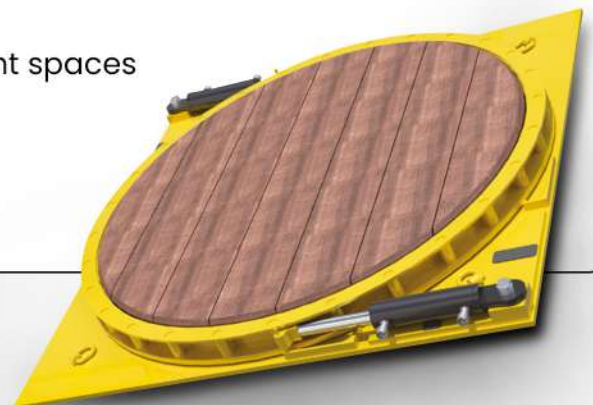


PRODUCT INTRODUCTION

In the construction of conventional heavy-duty installation and transportation projects, when heavy loads need to rotate, they are usually achieved by lifting and then rotating with the help of large cranes, but this method is constrained by space. In view of the above characteristics, the hydraulic turntable developed by KIET breaks through conventional thinking, and its hydraulic turntable itself comes with a push-pull hydraulic cylinder, and driven by the hydraulic cylinder, the turntable rotates around the center point to meet the 360 ° rotation, especially suitable for application when the space position is limited

PRODUCT FEATURES

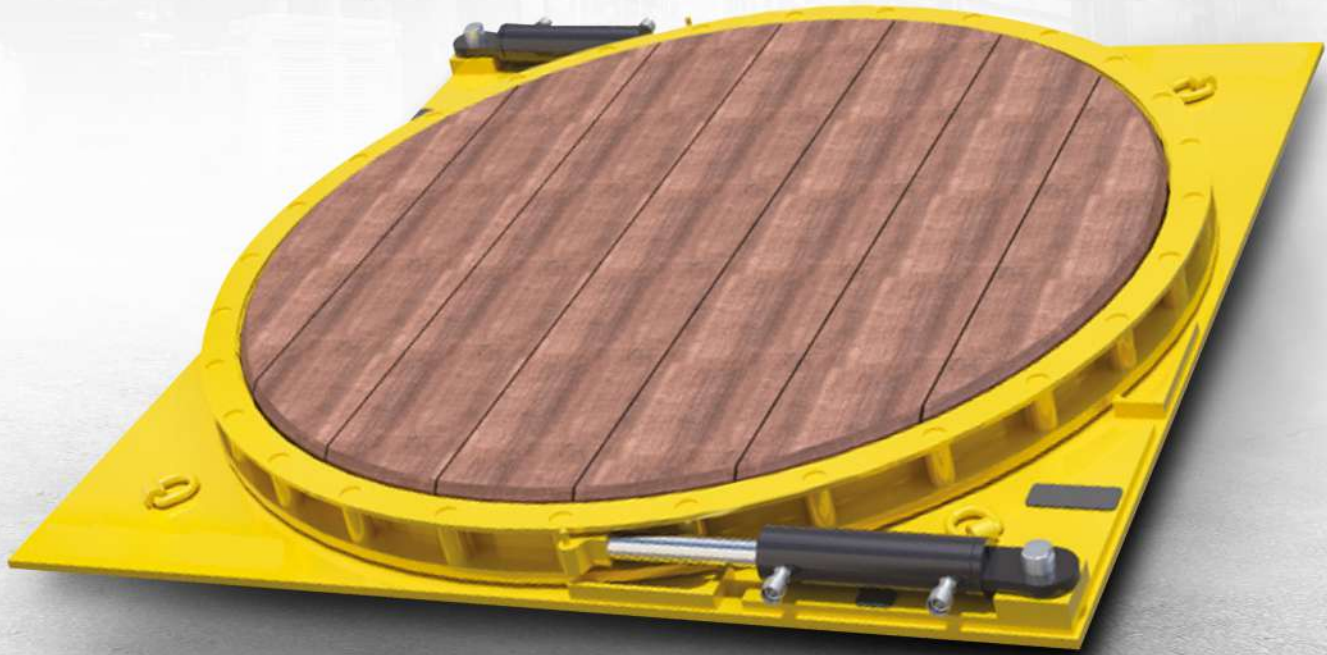
- Hydraulic cylinder drive, large rotational power
- The overall design has a small size, suitable for tight spaces
- High work efficiency
- Modular design, easy to handle
- Save cost, save time
- Safe and reliable, reliable performance



HYDRAULIC TURNTABLE

TYPE

BRH-TT SERIES



Transformer pushed into place



Transformer pushed into place

Model	System Capacity (T)	Working Pressure (MPa)	Height (mm)	Width (mm)	Length (mm)	Rotation Speed (°/min)	System Weight (kg)
BRH-TT-135	135	70	105	1850	1850	90/3	850
BRH-TT-205	205	70	150	2300	2300	90/7	2360
BRH-TT-408	408	70	150	2300	2300	90/7	2360
BRH-TT-225	225	70	150	2450	2450	90/7	2725
BRH-TT-450	450	70	150	2450	2450	90/7	2725
BRH-TT-225	225	70	150	3050	3050	90/9	4085
BRH-TT-450	450	70	150	3050	3050	90/9	4085
BRH-TT-816	816	70	150	3050	3050	90/9	4085

SQUARE DRIVE HYDRAULIC TORQUE WRENCH

TYPE

BRH-MXTA SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



PRODUCT FEATURES

- Standard working pressure: 700bar
- Patented integrated body design, more sturdy and durable
- Hands-free operation, making the use more safety.
- High repeatability, with accuracy $\pm 3\%$
- Slim nose radius and $360^\circ \times 180^\circ$ swivel hose connection allow easier positioning in confined space.
- 360° reaction arm, makes the wrench get better supporting.



Wind turbine hub assembly



Steel mill high pressure pipeline flange bolt pre-tightening



Chemical plant high pressure pipeline flange bolt pre-tightening



Refinery Pressure Vessel Bolt Preload



Removal of inspection bolts for high pressure feed water pump in thermal power plant

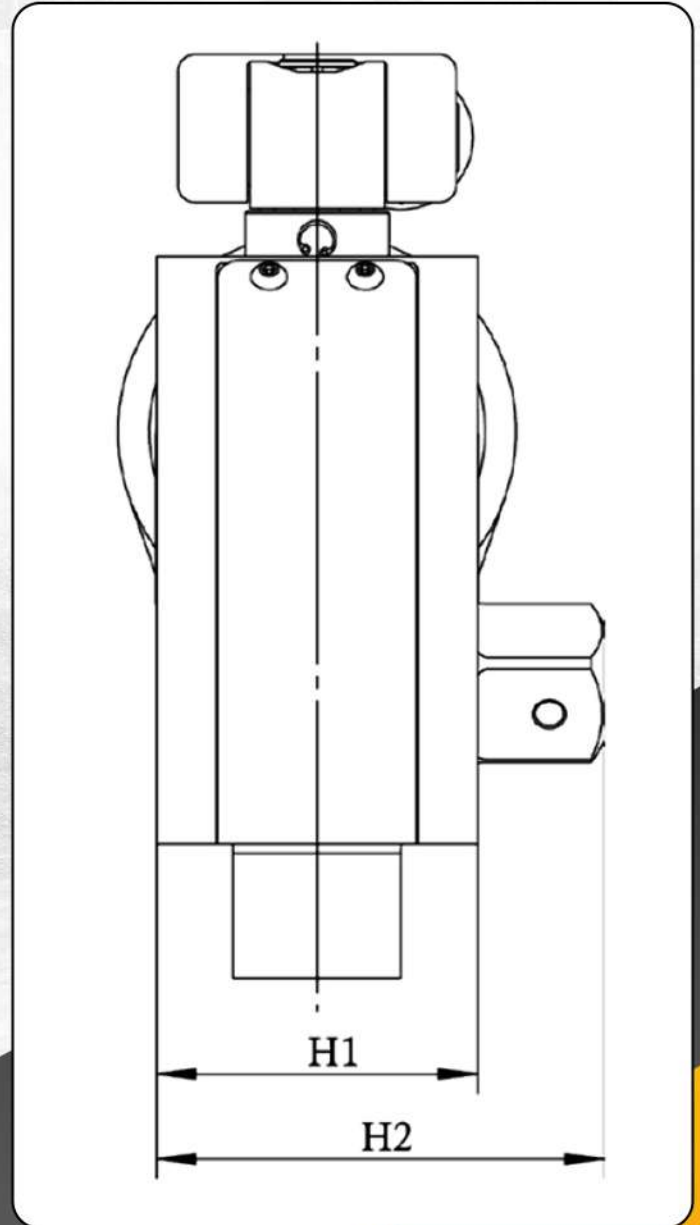
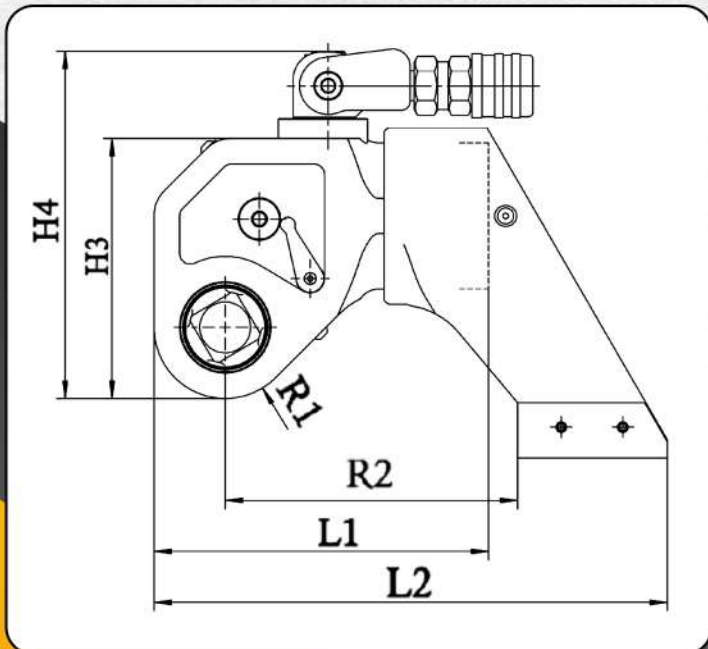


Dismantling of maintenance bolts for steam turbines in thermal power plants

SQUARE DRIVE HYDRAULIC TORQUE WRENCH

TYPE

BRH-MXTA SERIES



Model	Torque Range (Nm)	Bolt Diameter	Driving Square (")	L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	R1 (mm)	R2 (mm)	Weight (kg)
BRH-1MXTA	183-1837	M16-36	3/4	133.5	185.5	50	72	35.5	131	26	99	2
BRH-3MXTA	451-4512	M22-48	1	169	242	68	95	127	176.5	34	134	4
BRH-5MXTA	752-7528	M27-56	1-1/2	202.5	271	80	123	149	199	39	137	7
BRH-8MXTA	1078-10780	M30-64	1-1/2	216	309	90	134	167	216.5	47	171	9.1
BRH-10MXTA	1551-15516	M36-72	1-1/2	237.5	340.5	100	142	182	231.5	51	174	13.1
BRH-15MXTA	2063-20627	M39-80	2-1/2	285	395	110	178	200	146	55	222	21
BRH-20MXTA	2666-26664	M42-90	2-1/2	299.5	466.5	120	183	220	269.5	59	250.5	25
BRH-25MXTA	3472-34725	M48-100	2-1/2	313	461	137	200	249	296.5	66	250.5	31
BRH-35MXTA	4866-48666	M64-120	2-1/2	361.5	496.5	153	216	282	331.5	77	271	45
BRH-50MXTA	7200-72000	M72-125	2-1/2	400	516	160	223	291	341	81	259	87

ELECTRIC HYDRAULIC PUMP FOR HYDRAULIC TORQUE WRENCH

TYPE

BRH-BSB SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



PRODUCT FEATURES

- Small size and light weight.
- Original imported German Harvey overflow valve can carry out pressure adjustment, precise torque setting, with high repeatability. Harvey electromagnetic reversing valve, plunger and other main components assure quality.
- The power unit adopts the industry-leading permanent magnet brushless motor design.
- It can be matched with 2 or 4 hydraulic torque wrenches to operate at the same time, improving work efficiency and high tightening accuracy.
- Hydraulic oil pipes are available in 6 meters, 9 meters, 12 meters and other specifications.

Model	Oil Tank Capacity (L)	Motor Power (KW)	Power Supply	Flow (L/min)	Max. Working Pressure (MPa)	Standard Length of Remote Line (mm)	Oil Distributor (PC)	Dimension (mm)	Weight (kg)
BRH-BSB-2W	8	2.2	220V/50Hz	2	70	6	2	375×300×410	43
BRH-BSB-4W	8	2.2	220V/50Hz	2	70	6	4	375×300×410	43

LARGE FLOW ELECTRIC HYDRAULIC PUMP FOR HYDRAULIC TORQUE WRENCH

TYPE

BRH-SDW / SDY SERIES



EASY TO USE



STRONG & HIGH DURABILITY



PRODUCT FEATURES

- The pump station adopts a unique dual motor design with higher drive power
- Faster and more compact
- Brushless high-power motor, maintenance-free, with longer service life
- High-performance radiator. The fan starts automatically when the oil temperature reaches 35° C, ensuring long-term uninterrupted work.
- It can perform four synchronous operations, suitable for high-load work with equipment bolts synchronously preloaded.
- Roller frame armrest for easy mobility in the field.

Model	Oil Tank Capacity (L)	Motor Power (KW)	Power Supply	Flow (L/min)	Working Pressure (MPa)	Dimensions (mm)	Standard Length of Remote Line (m)	Weight (kg)	Oil Distributor (PC)
BRH-SDW-2	20	1.1×2	220V/50Hz single phase	16L(0-6.5MPa) 3.6L(6.5-32MPa) 1.7L(32-70MPa)	70	400×350×400	6	45	2
BRH-SDY-2	20	1.1×2	2220V/50Hz single phase	16L(0-6.5MPa) 3.6L(6.5-32MPa) 1.7L(32-70MPa)	70	400×350×400	6	45	2
BRH-SDW-4	20	1.1×2	220V/50Hz single phase	16L(0-6.5MPa) 3.6L(6.5-32MPa) 1.7L(32-70MPa)	70	400×350×400	6	45	4
BRH-SDY-4	20	1.1×2	220V/50Hz single phase	16L(0-6.5MPa) 3.6L(6.5-32MPa) 1.7L(32-70MPa)	70	400×350×400	6	45	4

ANGLED HANDLE TORQUE MULTIPLIER

TYPE

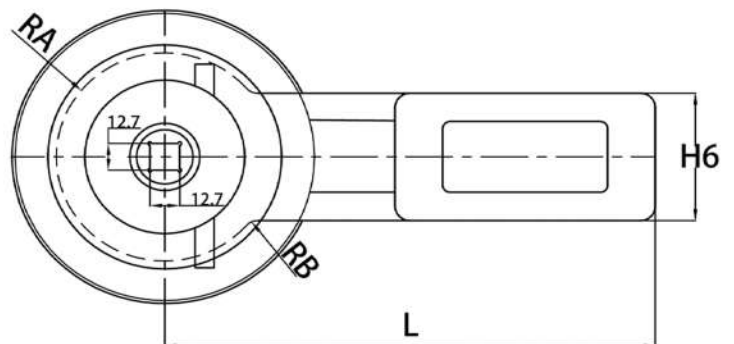
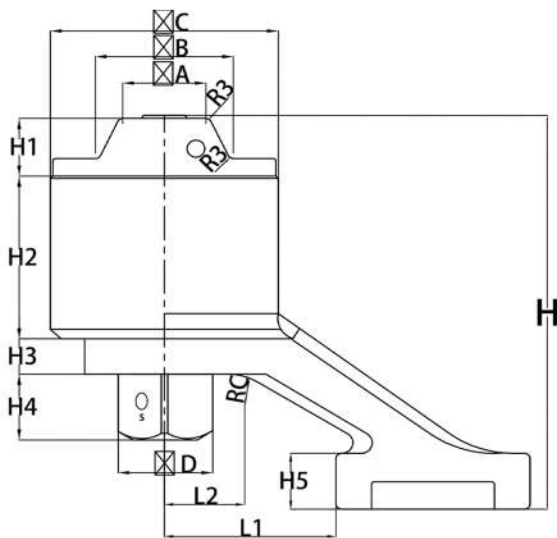
BRH-FDB SERIES



EASY TO USE



STRONG & HIGH
DURABILITY



Large pressure vessel bolt
pre-tightening



Steel structure bolt pre-tightening



Large equipment bolt pre-tightening

ANGLED HANDLE TORQUE MULTIPLIER



Model	Dimensions (mm)																	S
	ΦA	ΦB	ΦC	ΦD	H	H1	H2	H3	H4	H5	H6	L	L1	L2	RA	RB	RC	
BRH-FDB-20Z	50	68	82	34	147	22	56.5	15	25	14	30	105	65	37	33	5	10	1"
BRH-FDB-35Z	53	77	98	34	163	22	69	15	25	16	36	120	55	43	36	5	10	1"
BRH-FDB-55Z	52	80	115	50	199	26	86.5	13	38	16	40	137	87	43.5	45	8	15	1.5"
BRH-FDB-75Z	64	92	127	50	215	26	97	12	38	20	44	146	91	45	48	25	15	1.5"
BRH-FDB-100Z	78	106	141	50	238	28	90	12	40	22	50	164	102	50.5	53	10	15	1.5"

Model	Bolt Diameter	Nut Across Flat	Input Square	Output Square	Torque (Nm)	Torque Ratio	Transmission Ratio	Weight (kg)
BRH-FDB-10	M20-30	S30-46	1/2 "	1 "	1000	1:5	1:5.5	2.4
BRH-FDB-20	M22-35	S32-55	1/2 "	1 "	2000	1:13.6	1:16	3.5
BRH-FDB-35	M30-45	S46-70	1/2 "	1 "	3500	1:17.5	1:20.25	5.0
BRH-FDB-55	M42-60	S55-80	1/2 "	1 1/2 "	5500	1:20.5	1:25.4	8.7
BRH-FDB-75	M52-72	S65-90	1/2 "	1 1/2 "	7500	1:23.7	1:29.33	11.7
BRH-FDB-100	M52-72	S80-105	1/2 "	1 1/2 "	10000	1:30.5	1:37.71	15.2
BRH-FDB-150	M60-85	S80-120	1/2 "	2 1/2 "	15000	1:50	1:70.19	24.1
BRH-FDB-200	M72-100	S105-145	1/2 "	2 1/2 "	20000	1:72	1:101.62	27.8

Model	Bolt Diameter	Nut Across Flat	Input Square	Output Square	Torque (Nm)	Torque Ratio	Transmission Ratio	Weight (kg)
BRH-FDB-20	M20-30	S30-46	1/2 "	1 "	2000	1:13.5	1:18.3	2.3
BRH-FDB-35	M22-35	S32-55	1/2 "	1 "	3500	1:16	1:20.25	4.0
BRH-FDB-55	M30-45	S46-70	1/2 "	1 "	5500	1:19.3	1:25.4	6.5
BRH-FDB-75	M42-60	S55-80	1/2 "	1 1/2 "	7500	1:22.7	1:29.33	8.3

SUBSEA HYDRAULIC BOLT TENSIONER

TYPE

BRH-WST SERIES



**STRONG & HIGH
DURABILITY**



EASY TO USE



**EXCELLENT
PERFORMANCE**



PRODUCT FEATURES

- The subsea hydraulic bolt tensioner embodies the characteristics of fast and high efficiency, which improves the reliability of the equipment in deep sea operations, improves the safety of the equipment, and greatly improves the efficiency
- Piston Travel - 1.18" (except WST1 which is -0.79")
- Maximum working pressure 1500bar
- "D" contains the allowable movement of the bolt after tightening to a stroke of 30mm
- Ultra-high pressure manual hydraulic pump, ultra-high pressure pneumatic hydraulic pump, ultra-high pressure electric hydraulic pump can be used together

SUBSEA HYDRAULIC BOLT TENSIONER



Model	Working Pressure (Mpa)	Bolt Diameter	Max. Load (kN)	Closed Height (mm)	Stroke (mm)	Cylinder Diameter (mm)	Cylinder Height (mm)	Support Base Diameter (mm)	Cylinder Effective Area (mm ²)	Weight (kg)
BRH-WST-20	150	M20	140	117	20	66	96.5	48	943	1.7
BRH-WST-22	150	M22	140	117	20	66	96.5	48	943	1.7
BRH-WST-24	150	M24	239	147	30	82	127	60	1569	3.7
BRH-WST-27	150	M27	239	147	30	82	127	60	1569	3.7
BRH-WST-30	150	M30	239	147	30	82	127	60	2533	3.7
BRH-WST-33	150	M33	380	163	30	97	137	77	2533	6
BRH-WST-36	150	M36	380	163	30	97	137	77	3676	6
BRH-WST-39	150	M39	551	169	30	111	145	90	3676	7
BRH-WST-42	150	M42	551	169	30	111	145	90	5868	7
BRH-WST-45	150	M45	880	189	30	111	145	90	5868	11.2
BRH-WST-48	150	M48	880	189	30	136	158	114	5868	11.2
BRH-WST-52	150	M52	880	189	30	136	158	114	10433	11.2
BRH-WST-56	150	M56	1564	223	30	177	180	140	10433	21.3
BRH-WST-60	150	M60	1567	223	30	177	180	140	10433	21.3
BRH-WST-64	150	M64	1564	223	30	177	180	140	10433	21.3
BRH-WST-72	150	M72	1564	223	30	177	180	140	17174	33.6
BRH-WST-76	150	M76	2576	255	30	217	202	180	17174	33.6
BRH-WST-80	150	M80	2576	255	30	217	202	180	17174	33.6
BRH-WST-85	150	M85	2576	255	30	217	202	180	17174	33.6
BRH-WST-90	150	M90	2576	255	30	217	202	180	17174	33.6

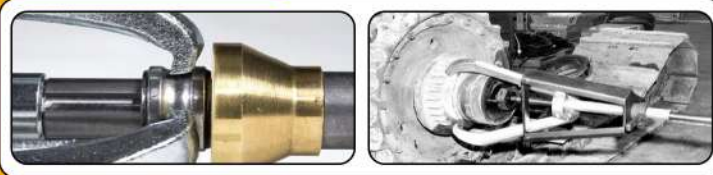
MECHANICAL SKID RESISTANT GEAR PULLER

TYPE

BRH-EP SERIES

PRODUCT FEATURES

- Special "Safety Cage" system, can firmly fix work-piece with good skid-resistance and safety.
- Self-centering, anti-eccentric load, ensures that the screw rod is always in the center of force and extends the service life.
- The special shape of the claw help it work in a tight space during operation, and the trapezoidal thread screw is more labor-saving when it has high torque



Model	Quantity of Jaws	Capacity (T)	Spread Range (mm)	Max. Reach (mm)	Center Bolt Diameter (mm)	Weight (kg)
BRH-EP-104	3	5	12-127	101	14	1.8
BRH-EP-106	3	10	12-178	152	16	3.6
BRH-EP-108	3	17	19-304	203	20	6.4
BRH-EP-110	3	20	25-381	245	20	7.3
BRH-EP-113	3	30	63-457	304	29	20
BRH-EP-116	3	40	76-635	355	31	30.8
BRH-EP-204	2	2	12-127	101	14	1.4
BRH-EP-206	2	6	12-178	152	16	3.2
BRH-EP-208	2	12	19-304	203	20	5.4
BRH-EP-210	2	14	25-381	245	20	5.9
BRH-EP-213	2	25	63-457	304	29	17.2
BRH-EP-216	2	35	76-635	355	31	25.8

SPLIT-TYPE SKID-RESISTANT HYDRAULIC GEAR PULLER

TYPE

BRH-EPH SERIES

PRODUCT FEATURES

- Unique "Safety Cage" system, can firmly fixed the work-piece with the good skidresistance and safety.
- Self - centering, anti - eccentric load, ensures that the screw rod is always in the center of force and extends the service life.
- Through the T type handle and the safety cage to control the wheel quickly, it's more convenient to operate.
- No screw design. The large stroke cylinder plunger directly acts on the drawn workpiece, which is easier to operate and safer to use.



Model	Quantity of Jaws	Capacity (T)	Spread Range (mm)	Max. Reach (mm)	Cylinder Stroke (mm)	Oil Capacity (cm ³)	Weight (kg)
BRH-EPH-108	3	10	19-304	203	156	226	11
BRH-EPH-110	3	15	25-381	245	254	516	23
BRH-EPH-113	3	25	63-457	304	362	1202	48
BRH-EPH-116	3	50	76-635	355	337	2399	91
BRH-EPH-208	2	10	19-304	203	156	226	10
BRH-EPH-210	2	15	25-381	245	254	516	22
BRH-EPH-213	2	25	63-457	304	362	1202	44
BRH-EPH-216	2	50	76-635	355	337	2399	87

MECHANICAL FLANGE ALIGNMENT TOOLS

TYPE

BRH-FA-1TM



TYPE

BRH-FA-4TM



PRODUCT INTRODUCTION

The mechanical flange alignment tools is applied for middle size and low pressure flanges' alignment, which provide the simplest solution. The alignment tools provide a simple, safe and modern solution to the traditional vertical displacement and rotational misalignment, which can also reduce the risk and save cost. The simplest solution for small size, low pressure flange is provided. The flange alignment tools is applied for ANSI, API, BS and DIN flanges.

Model	Capacity (T)	Min. Bolt Hole Diameter (mm)	Max. Alignment Distance (mm)	Remark	Weight (kg)
BRH-FA-1TM	1	16	26	1x hydraulic flange alignment tool, 1 2m long hose, 1 manual hydraulic pump (including pressure gauge and gauge adapter), 1 portable tool box.	1.6
BRH-FA-4TM	4	25	113		8.6

HYDRAULIC FLANGE ALIGNMENT TOOLS

TYPE

BRH-FA-9TE



PRODUCT INTRODUCTION

The hydraulic flange alignment tools apply to large, high pressure flange. The alignment tools provide a simple, safe and modern solution to the vertical displacement and rotational misalignment of a conventional flange.

PRODUCT FEATURES

- Suitable for vertical displacement and rotational misalignment of flanges.
- Special for high pressure, large pipeline flanges.
Appropriate for all horizontal and vertical pipeline flanges, including ANSI, API, BS, SPO and DIN flanges.
- Suitable for most pipeline structure.
- Capacity is 9T; suitable for all kinds of pipeline operations.
- Portable and lightweight design, suitable for confine space; no need for chains, pulleys or rigs.

Model	Capacity (T)	Working Pressure (MPa)	Accessory	Remark	Weight (kg)
BRH-FA-9TE	9	70	Ratchet Belt	1x hydraulic flange alignment tool, 1 2m long hose, 1 manual hydraulic pump (including pressure gauge and gauge adapter), 1 portable tool box	27

PNEUMATIC HYDRAULIC FOOT PUMP

TYPE

BRH-PA SERIES



PRODUCT INTRODUCTION

Max working pressure of this pump is 700 bar. It can work with the low tonnage hydraulic cylinders or other hydraulic tools together. The pressure is adjustable within 0-700bar. Internal relief valves for overload protection. Power source of this pump is compressed air, no electric spark or flame hazard. Pedal switch control. The manual switch control and big oil tank can be customized according to the client request. It works with single acting hydraulic cylinder, equipped with liquid level indicator and NPT 3/8" couplings.

Model	Working Pressure (MPa)	Cylinder Type	Oil Tank Capacity (cm ³)	Oil Flow (L/min)		Air Pressure Range (Bar)	Air Consumption (L/min)	Sound Level (dBA)	Weight (kg)
				No-load	With Load				
BRH-PA-133	70	Single Acting	589	0.65	0.13	4.1-8.3	255	85	5.5
BRH-PA-1150	70	Single Acting	1311	0.65	0.13	4.1-8.3	255	85	8.2

LIGHTWEIGHT HYDRAULIC FOOT PUMP

TYPE

BRH-P SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



HIGH QUALITY MATERIAL



PRODUCT FEATURES



- Rugged, durable and compact
- Steel frame with steel drawer for maximum stability
- Foot lock and lightweight construction for easy portability
- Two-speed operation reduces pedal stroke
- Large foot pad release valve for controlled load drop
- Integrated pressure relief valve for overload protection

Model	Working Pressure (bar)		Oil Displacement per Stroke (ml/ time)		Remark	Dimensions (mm)	Weight (kg)
	1st stage	2nd stage	1st stage	2nd stage			
BRH-P-392FP	15	700	11.26	2.47	Steel	600×193×433	7
BRH-P-400FP	26	700	12	2	Steel	720×180×200	8

STEEL WIRE ROPE HYDRAULIC SWAGING MACHINE

TYPE

BRH-YTJ SERIES



PRODUCT INTRODUCTION

Steel wire rope hydraulic swaging machine, developed independently by KIET, is a new machine with aesthetic aircraft design and advanced manufacturing technology. The body is made of high-quality alloy steel, known for its high durability. The machine is operated by hydraulic power. It has compact structure, stable operation, low noise, and high efficiency. Steel wire rope hydraulic swaging machine works with a non-cutting plastic processing technology, which allows the soft metal to flow fully in the mold cavity without destroying the strength of the steel wire, meanwhile achieve the purpose of forming shapes from the friction of the steel wires generated from tightening the steel wire rope. At present, we have 100T, 200T, 300T, 500T, 800T, 1000T, 1500T, 2000T, 3000T, 5000T, etc.



Aluminum ferrule



All kinds of sling

ACCESSORIES



Sling field applications

STEEL WIRE ROPE HYDRAULIC SWAGING MACHINE



FIELD APPLICATIONS

Steel wire rope hydraulic swaging machine is widely used in steel, shipbuilding, power plants, ports, transportation, construction and others. Compared with the traditional plug and weave craft for steel wire rope sling, the suppression craft greatly reduces the damage to the rope. It is a cold processing technology. The finished wire rope is of high strength, the swaging part is of beautiful appearance, corrosion resistance, and can save the wire rope, make sure the length accurate and guarantee the high production efficiency.

Model	Capacity (T)	Wire Rope Diameter (mm)	Rated Working Pressure (MPa)	Motor Power (KW)	Voltage (V)	Current Frequency (HZ)	Weight (kg)
BRH-YTJ-100	100	6-14	70	0.75	380	50	200
BRH-YTJ-150	150	6-20	70	2.2	380	50	375
BRH-YTJ-350	350	6-32	70	2.2	380	50	420
BRH-YTJ-500	500	6-38	28	7.5	380	50	2040
BRH-YTJ-800	800	10-48	30	15	380	50	4010
BRH-YTJ-1000	1000	10-56	63	7.5	380	50	4508
BRH-YTJ-1500	1500	10-65	70	5.5	380	50	10000
BRH-YTJ-2000	2000	10-78	28	30	380	50	21453

HYDRAULIC CONTROL VALVE

Needle Valve : BRH-V-82 / BRH-V-182 / BRH-V-8F

BRH-V-82 : To control cylinder speed. Also used as shut-off valve for temporary load holding. NPT3/8" female ports.

BRH-V-182 : Same as BRH-V-82, but with NPT1/4" female ports. Also suitable for gauge subbing (also BRH-V-82).

BRH-V-8F : Similar to BRH-V-82, but with very fine metering for precise flow control. Not recommended using as a shut-off valve.



Hydraulic Principle Diagram

BRH-V-17: Ruggedly built to resist shock and operate with low pressure drop. Closes smoothly without pounding. NPT3/8" female ports.

Hydraulic Check : BRH-V-17



Hydraulic Principle Diagram



BRH-V-42 : It can be mounted on the cylinder to hold the load in case of system pressure loss. Normally used with double-acting cylinders where pilot port receives pressure from a Tee-fitting in the cylinder retract line. NPT3/8" female ports
Pilot pressure ratio 14% (6.5:1)

Hydraulic Check : BRH-V-42



Hydraulic Principle Diagram



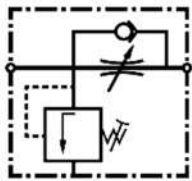
HYDRAULIC CONTROL VALVE

Manual Check Valve : BRH-V-66/BRH-V-66NV/ BRH-V-66F

BRH-V-66, BRH-V-66NV : For load holding applications with single or double acting cylinders. Valves allow oil to flow back to tank when cylinder retracts.

BRH-V-66NV is supplied with Viton seals, nickel-plated.

BRH-V-66F: Similar to BRH-V-66, but with very fine metering capability for precise flow control. BRH-V-66F is not designed for load holding.



Hydraulic Principle Diagram



Pressure Relief: BRH-V-152 / BRH-V-152NV

BRH-V-152 : Limit pressure developed by the pump in hydraulic circuit, thus limiting the force imposed on other components. Valve opens whenever preset pressure is reached.

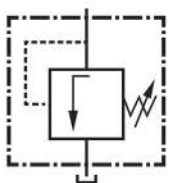
To increase pressure setting, turn handle clockwise.

Includes:

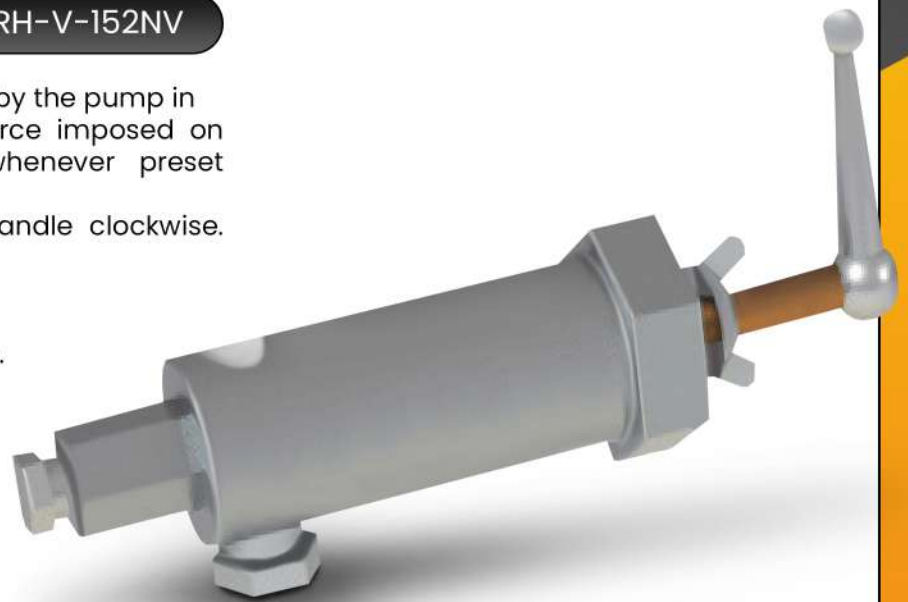
0.9m return line hose kit;

±3% repeatability;

55-700bar pressure adjustment range.



Hydraulic Principle Diagram



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



HIGH QUALITY MATERIAL

SINGLE ACTING PULLING HYDRAULIC CYLINDER

TYPE

BRH-BRC SERIES



EASY TO USE



STRONG & HIGH
DURABILITY



EXCELLENT
PERFORMANCE



PRODUCT FEATURES

- High strength alloy steel material
- Plunger limit structure to prevent the piston from protruding too long
- Chrome-plated plunger for longer lifting life; painted finish for greater corrosion resistance
- The dust ring reduces pollution and prolongs the life of the jack
- 3/8"-18NPT coupler and dust cap included on all models

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Oil Capacity (cm ³)	Cylinder OD (mm)	Weight (kg)
BRH-BRC-25	2.5	264	127	45	48	1.8
BRH-BRC-46	5	301	140	101	57	4.5
BRH-BRC-106	10	289	151	228	85	9.5
BRH-BRC-106A	10	587	151	227	85	15.9
BRH-BRC-106B	10	541	151	227	85	13.2
BRH-BRC-306	30	1085	155	722	136	48.1
BRH-BRC-606	50	719	152	1155	140	53.5

DOUBLE ACTING PULLING HYDRAULIC CYLINDER

TYPE
BRH-DRC SERIES



EASY TO USE



STRONG & HIGH DURABILITY



EXCELLENT PERFORMANCE



Propeller synchronous lifting installation



Propeller synchronous lifting installation

Model	Capacity (T)	Closed Height (mm)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (cm ³)	Extended Height (mm)	Cylinder OD (mm)	Bore Diameter (mm)	Plunger Diameter (mm)	Weight (kg)
BRH-DRC-10	10	606	160	13.5	217	766	86	55	36	18
BRH-DRC-30	30	733	160	44	703	893	125	90	50	40
BRH-DRC-50	50	727	160	70	1125	887	148	110	56	63

ON-TRACK HEAVY LOAD HYDRAULIC PUSHER

TYPE

BRH-SCM SERIES



**STRONG & HIGH
DURABILITY**



**EXCELLENT
PERFORMANCE**



**HIGH QUALITY
MATERIAL**

PRODUCT INTRODUCTION

The on-track heavy load hydraulic pusher is composed of clamping cylinder and pushing-moving cylinder, electric hydraulic pump, hydraulic hose, and widely used in pushing large-scale equipment for installation. It is equipped with heavy rail (38kg/m, 43kg/m, 50kg/m). In order to smoothly move the heavy objects, you must use two sets hydraulic pushers at the same time. Conveniently, safely, quickly and accurately move the large power plant transformers, large power plants boilers, large marine diesel engines and other large equipment to the designated installation location.

Model	Standard Configuration	Prepared by User	How to use
BRH-SCM-200T	1×clamping cylinder, 1×pushing-moving cylinder, 1×electric hydraulic pump, 4×6m hydraulic hose, 1×distributing valve	2×active sliding boots, 2×passive sliding boots, 200T equipment	Connect 1×clamping cylinder and 1×pushing-moving cylinder by hydraulic hose in series, driving by 1×electric hydraulic pump
BRH-SCM-400T	2×clamping cylinder, 2×pushing-moving cylinder, 2×electric hydraulic pump, 8×6m hydraulic hose, 2×distributing valve	4×active sliding boots, 4×passive sliding boots, 400T equipment	Connect 2×clamping cylinders, 2×pushing-moving cylinders, 2×electric hydraulic pumps and 2×distributing valves by hose in series,

MOBILE HYDRAULIC LIFTING JACK

TYPE

BRH-JCJ SERIES



EASY TO USE



EXCELLENT PERFORMANCE



STRONG & HIGH DURABILITY



HIGH QUALITY MATERIAL



PRODUCT FEATURES

- Rugged wear-resistant heavy-duty structure extends its service life. All-round wheels for easy transport and placement.
- Electric drive mode, working capacity range 50-200T, suitable for various high-intensity operations.
- Adjustable handle can be adjusted in three directions for easy transport and tilt angle adjustment.
- Auxiliary ram to increase the collapsed height, significantly increase the lifting height, without need of support pad.

Model	Capacity (T)	Working Pressure (MPa)	Stroke (mm)	Pump Type	Valve Type
BRH-JCJ-50-356	50	70	356	Electric Hydraulic Pump	Manual Valve/Solenoid Valve
BRH-JCJ-50-690	50	70	690	Electric Hydraulic Pump	Manual Valve/Solenoid Valve
BRH-JCJ-100-406	100	70	406	Electric Hydraulic Pump	Manual Valve/Solenoid Valve
BRH-JCJ-100-445	100	70	445	Pneumatic Hydraulic Pump	Manual Valve
BRH-JCJ-100-686	100	70	686	Electric Hydraulic Pump	Manual Valve/Solenoid Valve
BRH-JCJ-150-350	150	70	350	Electric Hydraulic Pump	Manual Valve/Solenoid Valve

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