



Distributor

HYDRAULIC JACK

We full strive for shared NORMS and VALUES:

- Safety and Stringent quality control
- Maneuverability and Operator comfort
- Reliability
- Technical sophistication & after-sales full support



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GAODE EQUIPMENT CO., LTD.

张拉千斤顶 Tension jack

产品特点 Product Features

广泛应用于桥梁建筑、铁路地铁、水利水电等与预应力锚杆、钢绞线配套的工程中

适用于单股或多股受力，规格为Φ15.24和Φ12.7

在一定条件下，可用于顶推、顶升、改造等作业

使用方便，价格合理

千斤顶用于预应力厂房

It is widely used for the construction of bridge and buildings, railway and subway, water conservancy and hydropower engineering matched with prestressed anchorage and strands.
It is suitable for stressing mono strands or multi strands, the specification is Φ15.24 and Φ12.7.
In some certain circumstance it can be used in the working of pushing, jacking and transforming and so on.
Easy to use with reasonable price .
Jack is used for prestressing workshop.



Model	Tonnage	Tension force KN	Stroke mm	Central diameter mm	Dimension mm	Weight kgs	Tension area	Rated oil pressure	Number of max. Tension strands
QYC250	25	250	200	Φ19	Φ105*500	20	4415 mm ²	60Mpa	Single strand
QYC100B	10	100	850	Φ10	Φ1095*77	37	2230mm ²	43Mpa	Single strand
QYC300	30	300	400	Φ19	Φ110*700	20	6263mm ²	50Mpa	Single strand
YDC650	65	650	200	Φ60	Φ190*345	58	12638mm ²	51Mpa	3 strands
YDC1100	110	1100	200	Φ80	Φ230*356	80	20488mm ²	54Mpa	5 strands
YDC1500	150	1500	200	Φ90	Φ270*356	120	30242mm ²	50Mpa	7 strands
YDC2000	200	2000	200	Φ114	Φ296*372	135	35796mm ²	56Mpa	9 strands
YDC2500	250	2500	200	Φ128	Φ348*373	180	48356mm ²	52Mpa	12 strands
YDC3000	300	3000	200	Φ142	Φ375*385	250	57796mm ²	52Mpa	14 strands
YDC3500	350	3500	200	Φ158	Φ416*385	290	70765mm ²	49Mpa	17 strands
YDC4000	400	4000	200	Φ158	Φ424*385	310	76302mm ²	53Mpa	19 strands
YDC4600	460	4600	200	Φ190	Φ473*390	400	87606mm ²	53Mpa	22 strands
YDC5000	500	5000	200	Φ193	Φ480*395	430	93965mm ²	53Mpa	24 strands
YDC5600	560	5600	200	Φ193	Φ510*400	460	107156mm ²	52Mpa	27 strands
YDC6500	650	6500	200	Φ205	Φ538*400	500	124580mm ²	52Mpa	31 strands
Remark	1. There are available jacks in stock if tonnage is under 560 tons. 2. It need to be customized if tonnage is over 650 tons. 3. Standard stoke is 200mm, if there are specific requirement, it need to be customized.								

电动液压千斤顶 Electro-hydraulic jack

产品特点 Product Features

双作用，液压复位

活塞杆电镀40Cr金属层 增加表面亮度及硬度 防止空气腐蚀

活塞和导向环采用焊铜工艺，更加耐磨

特殊的导向环设计可经受的偏载荷达千斤顶额定承载能力的5%

装有防尘圈，杜绝灰尘进入油缸，所有型号均含快速接头与防尘帽快速接头均含有防层保护

油缸内部多达13道密封件，有效保证密封性能，延长使用年限

Double acting, hydraulic reset
Piston rod is electroplated with 40Cr metal layer to increase surface brightness and hardness to prevent air corrosion
The piston and guide ring are made of welded copper, which is more wear-resistant
Special guide ring design can withstand eccentric loads up to 5% of the rated load capacity of the jack
Equipped with a dust ring to prevent dust from entering the cylinder, all models include quick connectors and dust caps. Quick connectors contain layer protection
There are as many as 13 seals inside the cylinder, which can effectively ensure the sealing performance and prolong the service life.



型号 Model	吨位 Capacity T	本体高度 A Height mm	行程 B-A Stroke mm	伸展高度 B Max Height mm	油缸外径 Outside mm	活塞杆直径 Diameter mm	油缸直径 Diameter mm	压力 Pressure Mpa	重量 Weight kg	电动泵站 Electric pump station
STQ 50/100	50	225	100	325	133	70	100	63Mpa	35	50T-200T 0.55kW 0.75kW 1.5kW 3kW 4kW 5.5kW
STQ 50/160		285	160	445					39	
STQ 50/200		325	200	525					46	
STQ 50/300		425	300	725					48	
STQ 50/500		625	500	1125					63	
STQ 100/100	100	250	100	350	180	100	140	63Mpa	58	
STQ 100/160		310	160	470					63	
STQ 100/200		350	200	550					78	
STQ 100/300		450	300	750					96	
STQ 100/500		650	500	1150					130	
STQ 150/100	150	260	100	360	219	125	170	63Mpa	58	
STQ 150/160		320	160	480					69	
STQ 150/200		360	200	560					86	
STQ 150/300		460	300	760					103	
STQ 150/500		660	500	1160					255	
STQ 200/100	200	285	100	385	273	150	200	63Mpa	100	
STQ 200/160		345	160	505					120	
STQ 200/200		385	200	585					150	
STQ 200/300		485	300	785					190	
STQ 200/500		685	500	1185					230	

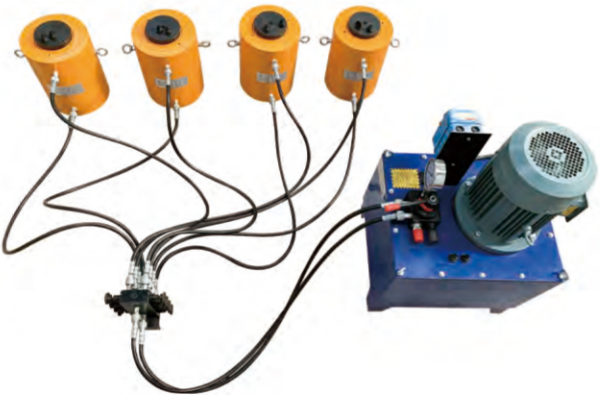
型号 Model	吨位 Capacity T	本体高度 A Height mm	行程 B-A Stroke mm	伸展高度 B Max Height mm	油缸外径 Outside mm	活塞杆直径 Diameter mm	油缸直径 Diameter mm	压力 Pressure Mpa	重量 Weight kg	电动泵站 Electric pump station
STQ 320/100	320	310	100	410	320	180	250	63Mpa	196	1.5kW 3kW 4kW 5.5kW
STQ 320/160		370	160	530					240	
STQ 320/200		410	200	610					258	
STQ 320/300		510	300	810					311	
STQ 320/500		710	500	1210					456	
STQ 400/100	400	355	100	455	375	200	290	63Mpa	198	3kW 4kW 5.5kW 7.5kW
STQ 400/160		415	160	575					231	
STQ 400/200		460	200	660					264	
STQ 400/300		555	300	855					367	
STQ 400/500		755	500	1255					456	
STQ 500/100	500	360	100	460	430	200	290	63Mpa	323	3kW 4kW 5.5kW 7.5kW
STQ 500/160		420	160	580					330	
STQ 500/200		460	200	660					420	
STQ 500/300		560	300	860					581	
STQ 500/500		760	500	1260					599	
STQ 630/100	630	417	100	517	500	250	320	63Mpa	560	4kW 5.5kW 7.5kW 11kW
STQ 630/160		477	160	637					633	
STQ 630/200		517	200	717					696	
STQ 630/300		617	300	917					898	
STQ 630/500		817	500	1317					1250	
STQ 800/100	800	488	100	588	560	300	360	63Mpa	896	7.5kW 11kW
STQ 800/200		598	200	798					1040	
STQ 800/300		698	300	998					1380	
STQ 800/500		898	500	1398					1520	
STQ 1000/100	1000	530	100	630	610	320	450	63Mpa	1286	7.5kW 11kW
STQ 1000/200		620	200	820					1337	
STQ 1000/250		670	250	920					1430	
STQ 1000/300		720	300	1020					1522	
STQ 1000/400		820	400	1220					1706	
STQ 1200/200	1200	640	200	840	670	380	500	63Mpa	1647	
STQ 1200/250		690	250	940					1752	
STQ 1200/300		740	300	1040					1857	
STQ 1200/400		840	400	1240					2069	
STQ 1500/200	1500	670	200	870	750	400	560	63Mpa	2140	
STQ 1500/250		720	250	970					2163	
STQ 1500/300		770	300	1070					2390	
STQ 1500/400		870	400	1270					2642	
STQ 2000/200	2000	720	200	920	860	480	630	63Mpa	3088	
STQ 2000/250		770	250	1020					3264	
STQ 2000/300		820	300	1120					3440	
STQ 2000/400		920	400	1320					3794	

同步电动液压千斤顶 Synchronous electro-hydraulic jack

产品特点 Product Features

双作用，液压复位
活塞杆电镀40Cr金属层 增加表面亮度及硬度 防止空气腐蚀
活塞和导向环采用焊铜工艺，更加耐磨
特殊的导向环设计可经受的偏载荷达千斤顶额定承载能力的5%
装有防尘圈，杜绝灰尘进入油缸，所有型号均含快速接头与防尘帽快速接头均含有防层保护
油缸内部多达13道密封件，有效保证密封性能，延长使用年限

Double acting, hydraulic reset
Piston rod is electroplated with 40Cr metal layer to increase surface brightness and hardness to prevent air corrosion
The piston and guide ring are made of welded copper, which is more wear-resistant
Special guide ring design can withstand eccentric loads up to 5% of the rated load capacity of the jack
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型号 Model	吨位 Capacity T	本体高度 A Height mm	行程 B-A Stroke mm	伸展高度 B Max Height mm	油缸外径 Outside mm	活塞杆直径 Diameter mm	油缸直径 Diameter mm	压力 Pressure Mpa	重量 Weight kg	电动泵站 Electric pump station
TSTQ 50/100	50	225	100	325	127	70	100	63Mpa	35	50T-200T 0.55kW 0.75kW 1.5kW 3kW 4kW 5.5kW
TSTQ 50/160		285	160	445					39	
TSTQ 50/200		325	200	525					46	
TSTQ 50/300		425	300	725					48	
TSTQ 50/500		625	500	1125	140				63	
TSTQ 100/100	100	250	100	350	180	100	140	63Mpa	58	
TSTQ 100/160		310	160	470					63	
TSTQ 100/200		350	200	550					78	
TSTQ 100/300		450	300	750					96	
TSTQ 100/500		650	500	1150	194				130	
TSTQ 150/100	150	260	100	360	219	125	180	63Mpa	58	
TSTQ 150/160		320	160	480					69	
TSTQ 150/200		360	200	560					86	
TSTQ 150/300		460	300	760					103	
TSTQ 150/500		660	500	1160	245				255	
TSTQ 200/100	200	285	100	385	273	150	200	63Mpa	96	
TSTQ 200/160		345	160	505					103	
TSTQ 200/200		385	200	585					116	
TSTQ 200/300		485	300	785					161	
TSTQ 200/500		685	500	1185	221					
TSTQ 320/100	320	310	100	410	330	180	250	63Mpa	196	1.5kW 3kW 4kW 5.5kW
TSTQ 320/160		370	160	530					240	
TSTQ 320/200		410	200	610					258	
TSTQ 320/300		510	300	810					311	
TSTQ 320/500		710	500	1210	352				456	
TSTQ 400/100	400	355	100	455	380	200	290	63Mpa	198	3kW 4kW 5.5kW 7.5kW
TSTQ 400/160		415	160	575					231	
TSTQ 400/200		460	200	660					264	
TSTQ 400/300		555	300	855					367	
TSTQ 400/500		755	500	1255	395				456	

型号 Model	吨位 Capacity T	本体高度 A Height mm	行程 B-A Stroke mm	伸展高度 B Max Height mm	油缸外径 Outside mm	活塞杆直径 Diameter mm	油缸直径 Diameter mm	压力 Pressure Mpa	重量 Weight kg	电动泵站 Electric pump station
TSTQ 500/100	500	360	100	460	430	200	320	63Mpa	323	3kW 4kW 5.5kW 7.5kW
TSTQ 500/160		420	160	580					330	
TSTQ 500/200		460	200	660					420	
TSTQ 500/300		560	300	860					581	
TSTQ 500/500		760	500	1260					599	
TSTQ 630/100	630	417	100	517	500	250	360	63Mpa	560	4kW 5.5kW 7.5kW 11kW
TSTQ 630/160		477	160	637					633	
TSTQ 630/200		517	200	717					696	
TSTQ 630/300		617	300	917					898	
TSTQ 630/500		817	500	1317					1250	
TSTQ 800/100	800	488	100	588	560	300	400	63Mpa	896	7.5kW 11kW
TSTQ 800/200		598	200	798					1040	
TSTQ 800/300		698	300	998					1380	
TSTQ 800/500		898	500	1398					1520	
TSTQ1000/100	1000	530	100	630	600	320	450	63Mpa	1286	7.5kW 11kW
TSTQ1000/200		630	200	830					1332	
TSTQ 1000/300		760	300	1060					1663	
TSTQ 1200/200	1200	640	200	840	670	380	500	63Mpa	1647	
TSTQ 1200/250		690	250	940					1752	
TSTQ 1200/300		740	300	1040					1857	
TSTQ 1200/400		840	400	1240					2069	
TSTQ 1500/200	1500	670	200	870	750	400	560	63Mpa	2140	
TSTQ 1500/250		720	250	970					2163	
TSTQ 1500/300		770	300	1070					2390	
TSTQ 1500/400		870	400	1270					2642	
TSTQ 2000/200	2000	720	200	920	860	480	630	63Mpa	3088	
TSTQ 2000/250		770	250	1020					3264	
TSTQ 2000/300		820	300	1120					3440	
TSTQ2000/400		920	400	1320					3794	

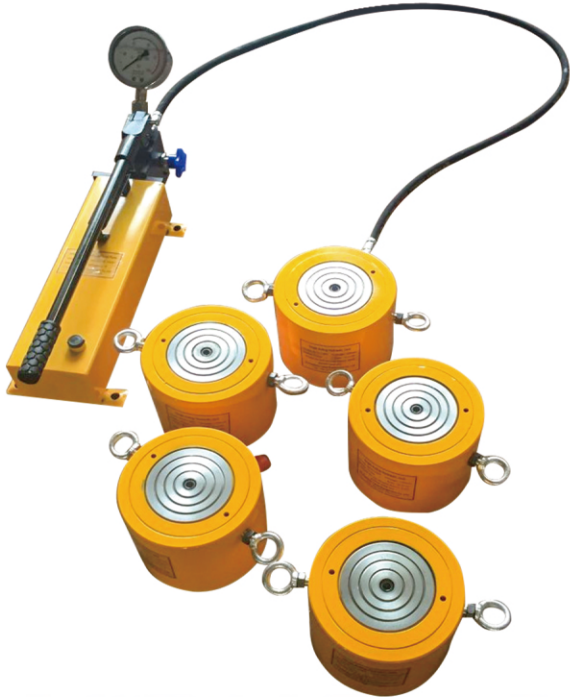
薄型千斤顶

Low profile hydraulic jack

产品特点 Product Features

- 单动式，弹簧复位
- 防尘圈设计减少污染，延长使用寿命
- 轻型紧凑设计，适用于狭小空间
- 活塞焊铜，增加耐磨能力；活塞杆电镀40Cr，增加硬度，防止空气腐蚀
- 本产品广泛适用于电力、化工、钢铁、桥梁、机械等企业，并发挥其无穷动力
- 在桥梁更换支座的使用中，性价比优越于进口品牌

Single acting, spring return
Dust ring design reduces pollution and prolongs service life
Lightweight and compact design for tight spaces
The piston is welded with copper to increase wear resistance; the piston rod is electroplated with 40Cr to increase hardness and prevent air corrosion
This product is widely used in electric power, chemical, steel, bridge, machinery and other enterprises, and exerts its infinite power
In the use of bridge replacement bearings, the cost performance is superior to imported brands



型号 Model	同步顶型号 Sync top model	吨位T Capacity	行程mm Stroke	油缸内径mm Diameter	本体高度mm Height	伸展高度mm Max Height	外径mm Diameter	重量kg Weight
RCS-101	TRCS-101	10	38	45	88	126	70	4.1
RCS-201	TRCS-201	20	44	63	99	143	80	5
RCS-302	TRCS-302	30	62	80	118	180	95	6.8
RCS-502	TRCS-502	50	60	100	122	182	127	10.9
RCS-1001	TRCS-1001	100	45	140	120	165	180	20
RCS-1002	TRCS-1002	100	57	140	141	198	180	22.7
RCS-1520	TRCS-1520	150	30	180	120	150	230	30
RCS-1530	TRCS-1530	150	45	180	140	185	230	35
RCS-2002	TRCS-2002	200	60	200	162	222	250	55

双作用千斤顶 Double acting jack

产品特点 Product Features

本公司生产的双动式千斤顶（双作用千斤顶），特别在大型工程中，是易操作控制和液压千斤顶，设计有安全保压装置，内置卸压阀防止过载，以保护千斤顶以利于安全操作。该装置的连接，采用的是高压胶管和螺纹接头连接，具有使用快捷，并克服快速传统接头漏油缺点主要用于电力、建筑、机械制造、矿山、铁路桥梁、造船等多种行业的设备安装起顶拆卸作业。

The double-acting jacks (double-acting jacks) produced by our company, especially in large-scale projects, are easy-to-operate control and hydraulic jacks. They are designed with safety pressure-retaining devices and built-in relief valves to prevent overloading to protect the jacks for safe operation. The connection of the device adopts high-pressure hose and threaded joint connection, which is fast to use and overcomes the shortcomings of oil leakage of fast traditional joints. It is mainly used for equipment installation in electric power, construction, machinery manufacturing, mining, railway bridges, shipbuilding and other industries. Lifting and dismantling work.



型号 Model	吨位 T Capacity	行程 mm Stroke	本体高度 mm Height	伸展高度 mm Max Height	外径 mm Diameter	基座安装孔 Base Mounting Holes		
						螺栓分布圆直径mm Bolt distribution circle diameter	螺 纹 thread	螺纹深度mm thread depth
RR-1010	10 (89)	254	409	663	73	—	—	—
RR-1012		305	457	762	73	—	—	—
RR-308	30 (267)	210	387	596	102	—	—	—
RR-3014		368	549	917	102	—	—	—
RR-506	50 (444)	156	331	487	127	—	—	—
RR-5013		334	509	843	127	—	—	—
RR-5020		511	733	1244	127	76	1/2" -13	25
RR-156	75 (667)	156	347	503	146	—	—	—
RR-7513		334	525	858	146	—	—	—
RR-1006	100 (889)	168	357	525	178	140	3/4" -10	25
RR-10013		334	524	857	178	140	3/4" -10	25
RR-10018		461	687	1147	178	140	3/4" -10	25
RR-1502	150 (1333)	57	196	253	203	—	—	—
RR-1506		156	385	541	203	159	3/4" -16	25
RR-15013		334	582	915	203	159	3/4" -16	25
RR-15032		816	1116	1931	203	—	—	—
RR-2006	200 (1778)	152	430	582	248	127	1" -8	25
RR-20013		330	608	938	248	127	1" -8	25

自锁式千斤顶 Self-locking jack

产品特点 Product Features

自锁式千斤顶主要用于需长时间支撑重物的地方，它可在除去油压时仍可支持重物，而且安全可靠。可用于水下，单作用，负载回缩，螺母自锁使负载更安全，特别在大型工程中，是易操作控制和液压千斤顶，设计有安全保压装置，内置卸压阀防止过载，以保护千斤顶以利于安全操作。该装置的连接，采用的是高压胶管和螺纹接头连接，具有使用快捷，并克服快速传统接头漏油缺点主要用于电力、建筑、机械制造、矿山、铁路桥梁、造船等多种行业的设备安装起顶拆卸作业。

Self-locking jacks are mainly used in places where heavy objects need to be supported for a long time. It can still support heavy objects when the oil pressure is removed, and it is safe and reliable. It can be used for underwater, single-acting, load retraction, self-locking nut makes the load more secure, especially in large-scale projects, it is easy to operate control and hydraulic jack, designed with safety pressure maintaining device, built-in pressure relief valve to prevent overload, to protect Jack for safe operation. The connection of the device adopts high-pressure hose and threaded joint connection, which is fast to use and overcomes the shortcomings of oil leakage of fast traditional joints. It is mainly used for equipment installation in electric power, construction, machinery manufacturing, mining, railway bridges, shipbuilding and other industries. Lifting and dismantling work.



型号 Model	吨位 T Capacity	行程B-A mm Stroke	油缸面积 cm2 Cylinder area	液压油容量 cm3 hydraulic oil capacity	本体高度A mm Height	伸展高度B mm Max Height	外径 mm Diameter	重量 kg Weight
CLL55-50	55	50	71.3	356.5	164	214	125	16
CLL55-100		100		713	214	314		21
CLL55-150		150		1069.5	264	414		26
CLL55-200		200		1426	314	514		31
CLL55-250		250		1782.5	364	614		36
CLL55-300		300		2139	414	714		41
CLL100-50	100	50	133.3	666.5	187	237	165	31
CLL100-100		100		1333	237	337		39
CLL100-150		150		1999.5	287	437		48
CLL100-200		200		2666	337	537		57
CLL100-250		250		3332.5	387	637		65
CLL100-300		300		3999	437	757		74
CLL150-50	150	50	198	990	209	259	205	53
CLL150-100		100		1980	259	359		66
CLL150-150		150		2970	309	459		78
CLL150-200		200		3960	359	559		92
CLL150-250		250		4950	409	659		105
CLL150-300		300		5940	459	759		118
CLL200-50	200	50	266.5	1332.5	243	293	250	83
CLL200-150		150		3997.5	343	493		118
CLL200-250		250		6662.5	443	693		153
CLL280-50	280	50	366.4	1832	249	299	275	116
CLL280- 150		150		5496	349	499		163
CLL280-250		250		9160	449	699		210
CLL350-50	350	50	457	2285	295	345	310	173
CLL350-150		150		6855	395	545		163
CLL350-250		250		11425	495	745		293
CLL430-50	430	50	559	2795	335	385	350	251
CLL430-150		150		8385	435	585		327
CLL430-250		250		13975	535	785		403
CLL565-50	565	50	730	3650	375	425	400	447
CLL565-150		150		10950	475	625		563
CLL565-250		250		18250	575	825		680
CLL660-50	660	50	857	4285	395	445	430	447
CLL660-150		150		12855	495	645		563
CLL660-250		250		21425	595	845		680
CLL880-50	880	50	1179	5895	455	505	505	711
CLL880-150		150		5895	555	705		871
CLL880-250		250		29475	655	905		1031
CLL1080-50	1080	50	1465	7325	495	545	560	951
CLL1080-150		150		21975	595	745		1143
CLL1080-250		250		36625	695	945		1335

薄型自锁千斤顶 Thin self-locking jack

产品特点 Product Features

- 薄型设计用于标准油缸无法使用的狭小空间
 - 螺母自锁可满足长时间的安全且安全的负载支撑
 - 单作用设计，重力复位
 - 特殊的复合材料镀层，用以增加抗腐蚀及减少摩擦，运动灵活
 - 溢流孔兼有限行程的功能
- Low profile design for tight spaces where standard cylinders cannot be used
Nut self-locking for long-term safe and secure load support
Single-acting design, gravity reset
Special composite coating for increased corrosion resistance and reduced friction for flexible movement
Overflow hole and limited stroke function



型 号 Model	吨位T Capacity	行程mm Stroke	本体高度mm Height	伸展高度mm Max Height	油缸外径mm Diameter	重量kg Weight
CLP-602	60	50	125	175	140	15
CLP-1002	100	50	137	187	175	26
CLP-1602	160	45	148	193	220	44
CLP-2002	200	45	155	200	245	57
CLP-2502	250	45	159	204	275	74
CLP-4002	400	45	178	223	350	134
CLP-5002	500	45	192	237	400	189

单作用多节千斤顶 Single acting multi-section jack

产品特点 Product Features

- 单作用多节千斤顶在薄型顶的基础上经过我厂工程人员精心设计而成，有在空间比较矮的地放，在有效的本体高度内，增大了顶的行程，从而使重物升得更高，使用更加方便。 产品广泛用于石油、化工、电力、制药、冶金、钢铁、车船、桥梁等行业的大中型机械设备的安装和维修，是安装、检修工人理想的必备工具，目前已销往全国一千多家大中型企业。
- The single-acting multi-section jack is carefully designed by the engineers of our factory on the basis of the thin top. It can be placed on the ground with a relatively short space. Within the effective height of the body, the stroke of the top is increased, so that the heavy objects can be lifted. Higher, more convenient to use. Products are widely used in the installation and maintenance of large and medium-sized machinery and equipment in petroleum, chemical, electric power, pharmaceutical, metallurgy, steel, vehicles, bridges and other industries. They are ideal and necessary tools for installation and maintenance workers. A large and medium-sized enterprise.



工作能力 Ability to work	一级行程mm Level 1 Stroke	二级行程mm Level 2 Stroke	最大外径mm outer diameter	本体高度mm Height
MSJ-5T	42	42	65	70
MSJ-10T	48.6	48.6	70	81
MSJ-20T	55.2	55.2	108	92
MSJ-30T	62	62	127	103
MSJ-50T	75	75	146	124
MSJ-100T	96	96	219	156

螺旋千斤顶 Screw jack

产品特点 Product Features

- 螺旋千斤顶又称机械千斤顶，是由人力通过螺旋副传动，螺杆或螺母套筒作为顶举件。普通螺旋千斤顶靠螺纹自锁作用支持重物，构造简单，但传动效率低，返程慢。
- The screw jack, also known as the mechanical jack, is driven by manpower through the screw pair, and the screw or nut sleeve is used as the jacking member. Ordinary screw jacks support heavy objects by thread self-locking, and have a simple structure, but low transmission efficiency and slow return.



型 号 Model	吨位T Capacity	起重高度不小于mm Lifting height not less than	最低高度不大于mm Minimum height not greater than
QL3.2	3.2	110	200
QL5	5	130	250
QL8	8	140	260
QL10	10	150	280
QLD10	10	75	200
QL16	16	180	320
QLD20	20	90	225
QL20	20	180	325
QL25	25	130	275
QL32	32	200	395
QLD32	32	180	320
QL42	42	200	410
QL50	50	250	452
QLD50	50	150	330
QLZ50	50	400	700
QL100	100	200	452
QL200	200	200	472
QL320	320	200	540
QL380	380	200	600

油压千斤顶 Hydraulic jack

产品特点 Product Features

- LYD型立式油压千斤顶是国家定型新系列产品。它结构紧凑，体积小，重量轻，携带方便，广泛适用于工厂仓库、桥梁、码头、交通运输和建筑工程等部门的起重作业。
- LYD vertical hydraulic jack is a new series of products of national stereotypes. It is compact in structure, small in size, light in weight and easy to carry, and is widely used in lifting operations in factories, warehouses, bridges, docks, transportation and construction engineering and other departments.



型 号 Model	吨位T Capacity	最低高度不大于mm Minimum height not greater than	起重高度不小于mm Lifting height not less than	调整高度不小于mm Adjust the height not less than
LYD2	2	158	90	60
LYD3	3	195	125	60
LYD5	5	200	125	80
LYD8	8	236	160	80
LYD10	10	240	160	80
LYD12	12	245	160	80
LYD16	16	250	160	80
LYD20	20	280	180	—
LYD32	32	285	180	—
LYD50	50	300	180	—

双作用空心千斤顶 Double acting hollow jack

产品特点 Product Features

双作用设计，液压复位
空心柱塞的设计既可以用于拉力，又可以用于推力
装有安全阀防止超压引起损坏
烤漆表面使耐腐蚀能力更强
所有型号均含快速接头与防尘帽
装有防尘圈减少污染，延长千斤顶寿命

Double acting design, hydraulic reset
Hollow plunger design can be used for both pull and push
Equipped with safety valve to prevent damage caused by overpressure
Painted surface for greater corrosion resistance
All models include quick connectors and dust caps
Equipped with a dust ring to reduce pollution and prolong the life of the jack



型 号 Model	吨位T Capacity	行程mm Stroke	本体高度mm Height	伸展高度mm Max Height	外径mm Diameter	中心孔径mm Diameter	受力面积(cm2) Area	重量kg Weight
RRH-307	30	178	330	508	114	33.3	47.68	22
RRH-3010	30	257	432	689	114	33.3	47.68	27
RRH-603	60	89	248	337	159	53.8	88.5	28
RRH-606	60	165	324	489	159	53.8	88.5	35
RRH-6010	60	257	438	695	159	53.8	88.5	46
RRH-1001	100	38	165	203	213	79.2	148.36	39
RRH-1003	100	76	254	330	213	79.2	148.36	61
RRH-1006	100	152	342	495	213	79.2	148.36	79
RRH-10010	100	257	460	718	213	79.2	148.36	107
RRH-1508	150	203	349	552	248	79.5	148.36	111

单作用空心千斤顶 Single acting hollow jack

单作用设计，弹簧复位，使用便捷
空心柱塞的设计既可以用于拉力，又可以用于推力
烤漆表面使耐腐蚀能力更强
装有防尘圈可减少污染，延长液压缸使用寿命
各型号均含快速接头和防尘

Single-acting design, spring return, easy to use
Hollow plunger design can be used for both pull and push
Painted surface for greater corrosion resistance
Equipped with a dust ring to reduce pollution and extend the life of the hydraulic cylinder
All models include quick connectors and dust protection



型 号 Model	吨位T Capacity	行程mm Stroke	本体高度mm Height	伸展高度mm Max Height	外径mm Diameter	中心孔径mm Diameter	重量kg Weight
RCH-120	12	8	56	63	70	19.6	1.5
RCH-121	12	41	121	162	70	19.6	2.8
RCS-1211	12	41	121	162	70	19.6	2.8
RCH-123	12	76	184	260	70	19	4.4
RCH-202	20	51	162	213	99	26.9	7.7
RCH-206	20	155	306	461	99	26.9	14.1
RCH-302	30	63	179	242	114	33.3	10.9
RCH-306	30	156	330	486	114	33.3	21.8
RCH-603	60	76	248	324	159	53.8	28.1
RCH-606	60	152	324	476	159	53.8	35.4
RCH-1003	100	76	254	330	213	79	59.9

单作用千斤顶 Single acting jack

产品特点 Product Features

可以在任何位置上使用
单作用设计，弹簧复位，使用便捷
高强度合金经久耐用
装有防尘圈可减少污染，延长液压缸使用寿命
部分型号带有手柄，方便移动
各型号均包括快速接头和防尘帽

Can be used anywhere
Single-acting design, spring return, easy to use
High-strength alloys are durable
Equipped with a dust ring to reduce pollution and extend the life of the hydraulic cylinder
Some models have handles for easy movement
All models include quick connectors and dust caps



型号 Model	吨位 T Capacity	行程 mm Stroke	本体高度 mm Height	伸展高度 mm Max Height	油缸内径 mm Diameter	活塞杆直径 mm rod diameter	外径 mm Diameter	重量 Kg Weight
RC-50	5	16	41	57	40	36	55	1
RC-51		25	90	115			55	1
RC-53		76	145	221			55	1.5
RC-55		127	196	323			55	1.9
RC-57		178	253	431			55	2.4
RC-59		232	304	536			55	2.8
RC-101	10	25	80	105	45	41	60	1.8
RC-102		54	111	165			60	2.3
RC-104		105	161	266			60	3.3
RC-106		156	238	394			60	4.4
RC-108		203	288	491			60	5.4
RC-1010		257	339	596			60	6.4
RC-1012		305	390	695			60	6.8
RC-1014		356	441	797			60	8.2
RC-151	15	25	104	129	55	46	70	3.3
RC-152		51	129	180			70	4.1
RC-154		102	180	282			70	5
RC-156		152	252	404			70	6.8
RC-158		203	302	505			70	8.2
RC-1510		254	353	607			70	9.5
RC-1512		305	404	709			70	10.9
RC-1514		356	455	811			70	11.8
RC-251	25	25	120	145	70	62	90	5.9
RC-252		51	145	196			90	6.4
RC-254		102	196	298			90	8.2
RC-256		159	253	412			90	10
RC-258		210	304	514			90	12.3
RC-2510		260	355	615			90	14.1
RC-2512		311	405	716			90	16.3
RC-2514		362	456	818			90	17.1
RC-308	30	210	337	547	80	65	104	18.1
RC-502	50	51	136	187	100	80	127	15
RC-504		102	187	289			127	19.1
RC-506		159	243	402			127	23.2
RC-5013		337	421	758			127	37.7
RC-756	75	156	246	402	125	90	160	29.5
RC-7513		334	452	786			160	59
RC-1006	100	168	267	435	140	100	180	59
RC-10010		260	359	619			180	72.6

薄型同步千斤顶

Low Profile Synchronized Jack

产品特点 Product Features

本公司生产的RCS薄型同步千斤顶，设计有安全保压装置，内置卸压阀防止过载，以保护千斤顶以利于安全操作。并设计四组截止阀，可随时控制千斤顶同步升与降，该装置的连接，采用的是高压胶管和快速接头连接，具有使用快捷，并克服快速传统接头漏油缺点主要用于电力、建筑、机械制造、矿山、铁路桥梁、造船等多种行业的设备安装起顶拆卸作业。

The RCS thin synchronous jacks produced by our company are designed with a safety pressure maintaining device and a built-in pressure relief valve to prevent overload, so as to protect the jack for safe operation. And four sets of stop valves are designed, which can control the synchronous lifting and lowering of the jack at any time. The connection of the device adopts high-pressure hose and quick joint connection, which is fast to use and overcomes the shortcomings of oil leakage of traditional fast joints. It is mainly used in electricity, construction, Equipment installation, lifting and dismantling operations in machinery manufacturing, mining, railway bridges, shipbuilding and other industries.



型 号	同步顶型号	吨位T	行程mm	油缸内径mm	本体高度mm	伸展高度mm	外径mm	重 量kg
Model	Sync top model	Capacity	Stroke	Diameter	Height	Max Height	Diameter	Weight
RCS-101	TRCS-101	10	38	45	88	126	70	4.1
RCS-201	TRCS-201	20	44	63	99	143	80	5
RCS-302	TRCS-302	30	62	80	118	180	95	6.8
RCS-502	TRCS-502	50	60	100	122	182	127	10.9
RCS-1001	TRCS-1001	100	45	140	120	165	180	20
RCS-1002	TRCS-1002	100	57	140	141	198	180	22.7
RCS-1520	TRCS-1520	150	30	180	120	150	230	30
RCS-1530	TRCS-1530	150	45	180	140	185	230	35
RCS-2002	TRCS-2002	200	60	200	162	222	250	55

超薄型千斤顶

Ultra-thin hydraulic jack

产品特点 Product Features

单动式，弹簧复位
防尘圈设计减少污染 延长使用寿命
轻型紧凑设计 适用于狭小空间
活塞焊铜，增加耐磨能力；活塞杆电镀40Cr，增加硬度，防止空气腐蚀

Single acting, spring return
Dust ring design reduces pollution and prolongs service life
Lightweight and compact design for tight spaces
The piston is welded with copper to increase wear resistance; the piston rod is electroplated with 40Cr to increase hardness and prevent air corrosion



型 号	同步顶型号	吨位T	行程B-A mm	缸面积cm²	油容量cm³	本体高度A mm	伸展高度B mm	外径mm	重 量kg
Model	Sync top model	Capacity	Stroke	Area	Capacity	Height	Max Height	Diameter	Weight
RSM-50	TRSM-50	5	6	6.4	4	33	39	59×41	1
RSM-100	TRSM-100	10	11	14.5	16	43	54	83×56	1.4
RSM-200	TRSM-200	20	11	28.6	31	52	63	102×76	3.1
RSM-300	TRSM-300	30	13	42	55	59	72	118×95	4.5
RSM-500	TRSM-500	50	16	62.1	99	67	83	140×114	6.8
RSM-750	TRSM-750	75	16	102.7	164	80	96	165×139	11.4
RSM-1000	TRSM-1000	100	16	126.8	203	86	102	178×152	14.5
RSM-1500	TRSM-1500	150	16	198.1	277	100	116	216×191	26.3
RSM-1530	TRSM-1530	150	30	198.1	610	140	170	216×191	35

3DCS 系列三维顶升系统

3DCS Intelligent three dimensional jacking system

系统工作原理

Working principle of the system

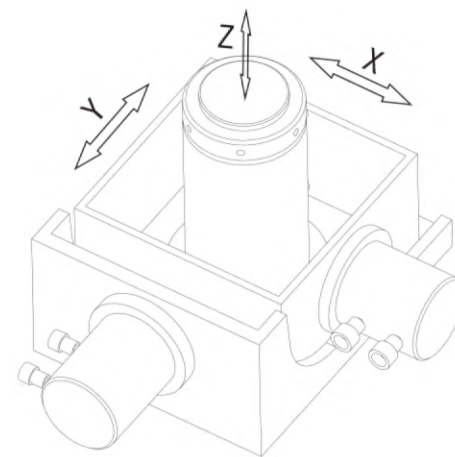
三维调整液压系统主要由三维千斤顶、同步调整液压系统、位移检测系统以及管路附件组成，是一种起重位移的专用工具，三维千斤顶主要结构是由三个双作用超高压千斤顶、结构支撑体以及滑道组成，主顶升千斤顶配有液压安全阀用于保护负载。

The three-dimensional adjustment hydraulic system is mainly composed of three-dimensional jack, synchronous adjustment hydraulic system, displacement detection system and pipeline accessories. It

is a special tool for lifting displacement. The main structure of three-dimensional jack is composed of three double-acting ultra-high pressure jacks, structural support and slideway. The main jack jack is equipped with a hydraulic safety valve to protect the load.

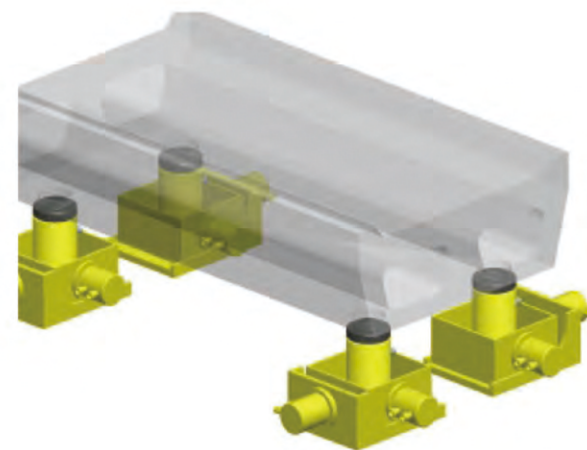
该产品主要应用于船体焊接、铁路、公路的桥梁或类似梁式重物的位移作业，进行低高度、短距离的垂直方向(Y) 横向(X) 和纵向(Z) 的位移，该产品的滑动摩擦副由千斤顶座、立式千斤顶座上的不锈钢滑板与立千斤顶座底部的聚四氟乙烯板组成、摩擦系数小且移动平稳。

This product is mainly used for the displacement of hull welding, railway, highway bridges or similar beam-type heavy objects, and for the vertical (Y) lateral (X) and vertical (Z) displacement of low altitude and short distance. The sliding friction pair of the product consists of a jack seat, a stainless steel slide plate on the vertical jack seat and a PTFE plate at the bottom of the jack seat. The friction coefficient is small and the movement is stable.



顶升示意图

System connection schematic



系统特点

System features

- ✧ 承载能力大，可调整 100 吨至 6000 吨的构件。
The load capacity is large, and the components can be adjusted from 100 tons to 6,000 tons
- ✧ 控制精度高，同步精度可以达到 0.5mm, 并且同步顶升和下降都可完全控制。
The precision is high, the synchronous precision can reach 0.5mm, and the jacking and descending can be completely controlled.
- ✧ 产品应用灵活，可根据不同的使用工况、油缸吨位和数量、顶升精度进行灵活的联机控制。
The product is flexible and can be controlled according to different conditions, cylinder tonnage and quantity, jacking accuracy.
- ✧ 每个控制点相对独立，可对一个或几个控制点单独调节，控制点之间互不干涉。
Each control point is relatively independent and can be adjusted independently or several control points without interference.
- ✧ 系统采用模块化设计，可以控制 4、8、12、16，并且可以联机控制扩展至 99 个点。
The system adopts modular design, which can control 4, 8, 12 and 16, and can be extended to 99 points online.
- ✧ 具有数据存储和记录功能，方便生成报表。
It has data storage and recording function to facilitate the generation of reports.
- ✧ 系统控制界面简洁，操作方便，自动化程度高。
The system control interface is simple, easy to operate and highly automatic

系统参数

System parameter

型 号 Model	顶升方向 Direction	承载能力 Capacity	额定压力 Nominal Pressure	行程 Stroke	有效面积 Effective Area	液压油容量 Oil Capacity	重量 Weight (kg)
		T (KN)	Mpa	mm	cm2	cm3	
3DCS-100	竖直方向	100	70	200	132.7	2655	312
	横向方向	30		100	42.1	400	
	纵向方向	30		100	42.1	400	
3DCS-200	竖直方向	200	70	200	256.9	5318	519
	横向方向	50		100	77	770	
	纵向方向	50		100	77	770	
3DCS-300	竖直方向	300	70	200	456.2	9124	738
	横向方向	75		100	102.6	1067	
	纵向方向	75		100	102.6	1067	
3DCS-500	竖直方向	500	70	200	730.6	14612	1904
	横向方向	150		100	198.6	1986	
	纵向方向	150		100	198.6	1986	
3DCS-800	竖直方向	800	70	200	1176.3	23524	3858
	横向方向	200		100	256.9	2660	
	纵向方向	200		100	256.9	2660	
3DCS-1000	竖直方向	1000	70	200	1465.7	29316	5366
	横向方向	300		100	456.2	4562	
	纵向方向	300		100	456.2	4562	

工程案例

Project case



PMC 系列脉宽同步顶升系统 - 实用型

PMC series pulse width synchronous jacking system - practical

系统工作原理 Working principle of the system

PMC 系列 PLC 同步顶升系统是基于 PLC 控制技术, 通过传感器的反馈来控制升降及定位。控制过程无需考虑重物的中心分布, 适用于对大型、重载桥梁进行顶升作业, 特别适用于配套 RSM/RCS 超薄型千斤顶用于更换桥梁支座。

PMC series PLC synchronous jacking system is based on PLC control technology, which can control the lifting and positioning by the feedback of the sensor. The control process does not need to consider the center distribution of heavy objects. It is suitable for the lifting operation of large and heavy bridge. It is especially suitable for supporting RSM/RCS super thin jacks to replace the bridge support.

通过改变每个油缸的流量来调节千斤顶的顶升位移, 该系统保持了良好的位置控制。通过消除人为干涉, 同步升降维持了机构完整性, 提高了生产效率, 增强了升降动作的安全性。

By changing the flow of each cylinder to adjust the jacking displacement of the jack, the system maintains good position control. Through the elimination of human interference, the synchronous lifting and lifting maintain the integrity of the mechanism, improve the production efficiency, and enhance the safety of the lifting movement.

基于 PLC 控制的同步顶升系统减少了重量分布不均和不同顶升点间负载转移造成的折弯, 扭曲和倾斜的危险。

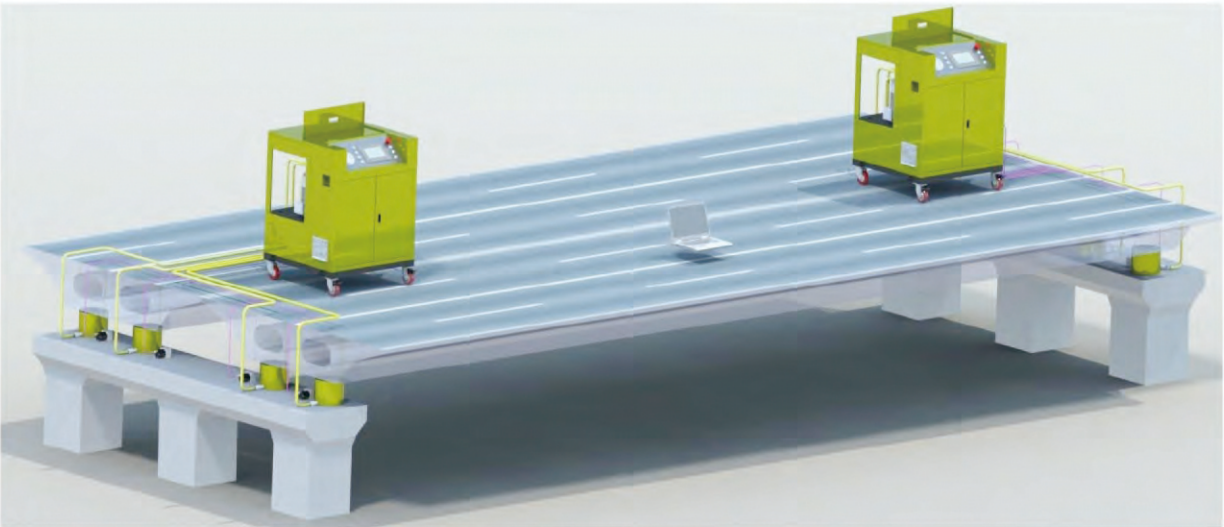
The synchronous jacking system based on PLC reduces the risk of bending, twisting and slanting caused by uneven weight distribution and load transfer between different jacking points.

核心电气控制系统采用了德国西门子 PLC 可编程控制器, 结合了高性能位移传感器和压力传感器检测系统, 实现了压力控制和位移控制控制双重控制, 进而保证了千斤顶的精准控制和顶升过程安全控制。

Core electrical control system USES Germany Siemens PLC programmable controller, combined with the high-performance displacement sensor and pressure sensor test system, realized the pressure control and displacement control control dual control, thus ensures the precision of the jack and jack-up process safety control.



系统连接示意图 System connection schematic



PMC 系列脉宽同步顶升系统 - 实用型

PMC series pulse width synchronous jacking system - practical

系统特点 System features

- 采用了双柱塞泵动力系统, 实现了快速找平, 重载平稳顶升。
Double plunger pump power system is adopted to achieve rapid leveling and heavy load leveling
- 控制精度高, 同步精度可以达到 0.5mm, 并且同步顶升和下降都可完全控制。
The control precision is high, the synchronous precision can reach 0.5mm, and the synchronous jacking and descending can be completely controlled.
- 产品应用灵活, 可根据不同的使用工况、油缸吨位和数量、顶升精度进行灵活的联机控制。
The product is flexible and can be controlled flexibly according to different working conditions, oil cylinder tonnage and quantity and jacking accuracy.
- 每个控制点相对独立, 可对一个或几个控制点单独调节, 控制点之间互不干涉。
Each control point is relatively independent and can be adjusted independently to one or several control points without interference between the control points.
- 系统采用模块化设计, 可以控制 4、8、12、16, 并且可以联机控制扩展至 99 个点。
The system adopts modular design, which can control 4, 8, 12 and 16, and can be extended to 99 points online.
- 具有数据存储和记录功能, 方便生成报表。
It has data storage and recording function to facilitate the generation of reports.
- 可选配变频电机驱动 (VFDM) 和 PLC 装置, 确保精确同步和流量控制。
Optional variable frequency motor drive (VFDM) and PLC device to ensure accurate synchronization and flow control.
- 简洁、直观的人机交互界面, 便于设置参数和操作。
Simple and intuitive human-computer interaction interface, easy to set parameters and operation

系统参数 System parameter

同步点数 Sync Points	型 号 Model	额定压力 Nominal Pressure	额定流量 L/ min Nominal Capcaity		油箱容积 Oil Tank	电源参数 (380v, 50Hz)	外形尺寸 (LxWxH) mm	重量 Weight (kg)
		Mpa	70 MPa	6 MPa	L			
4	PMC04D	70	1.13	6	100	1.5KW	780×760×1080	125
4	PMC04S	70	1.13	6	100	1.5KW	780×760×1080	125
8	PMC08D	70	1.13	6	100	1.5KW	780×760×1080	125
8	PMC08S	70	1.13	6	100	1.5KW	780×760×1080	125
12	PMC12D	70	1.13	6	100	1.5KW	780×760×1080	125
12	PMC12S	70	1.13	6	100	1.5KW	780×760×1080	125
16	PMC16D	70	1.93	10	100	2.2KW	780×760×1080	150
16	PMC16S	70	1.93	10	100	2.2KW	780×760×1080	150

工程案例 Project case



RMCD 系列容积同步顶升系统 - 经济型

RMC series volume synchronous jacking system -economical

系统工作原理
Working principle of the system

RMC 系列容积同步顶升系统是基于“等容积”控制原理，即在相同的时间内给每个控制点输出相同量的液压油来实现同步控制的目的。控制过程无需考虑重物的中心分布，特别适用于小型千斤顶，RSM/RCS 超薄型千斤顶。

The RMC series volume synchronous jacking system is based on the principle of "equal volume" control, which is to output the same amount of hydraulic oil to each control point in the same time to achieve the purpose of synchronous control. The control process does not need to consider the center distribution of heavy objects, especially for small jacks, RSM/RCS super-thin jacks.

容积同步采用开环控制实现同步，所以在选型和高精密制造方面提出了很高的要求，但是由于其操作简单、易于连接、系统稳定、精度高等优点，现今被广泛使用在一些要求高精度、高效率的施工现场。

The RMC series volume synchronous jacking system is based on the principle of "equal volume" control, which is to output the same amount of hydraulic oil to each control point in the same time to achieve the purpose of synchronous control. The control process does not need to consider the center distribution of heavy objects, especially for small jacks, RSM/RCS super-thin jacks.



工程案例
Project case



太原摄乐桥更换支座

RMCD 系列容积同步顶升系统 - 经济型

RMC series volume synchronous jacking system -economical

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The system adopts modular design, which can control 4, 8, 12 and 16, and can be extended to 99 points online.
- 根据使用工况，可选用接入位移传感器和压力传感器，对系统工况进行实时监控。
According to the working condition, the access displacement sensor and pressure sensor can be selected to monitor the system working condition in real time

系统参数
System parameter

同步点数 Sync Points	型 号 Model	额定压力 Nominal Pressure Mpa	额定流量 Nominal Capacity L/min	油箱容积 Oil Tank L	电源参数 (380v, 50Hz)	重量 Weight (kg)
2	PMCD02D	70	0.5x2	100	1.5KW	125
2	PMCD02S	70	0.5x2	100	1.5KW	125
4	PMCD04D	70	0.5x4	100	2.2KW	125
4	PMCD04S	70	0.5x4	100	2.2KW	125
8	PMCD08D	70	0.5x8	100	5.5KW	125
8	PMCD08S	70	0.5x8	100	5.5KW	125
12	PMCD12D	70	0.5x12	100	11KW	150
12	PMCD12S	70	0.5x12	100	11KW	150

额定流量可根据客户需求进行定制。
Rated flow can be customized according to customer needs.

油箱容积可根据客户需求进行定制。
Tank volume can also be customized according to customer needs.

电机可根据需求选用可调速的变频电机 (VFDM)。
Motor can be selected according to the requirements of variable speed motor (VFDM).

工程案例
Project case



SP304 系列 - 液压扳手专用电动泵

SP304 series - special electric pump for hydraulic wrench

高性能散热器，油温达 35℃ 时风扇启动，确保长时间不间断。
High performance radiator, oil temperature up to 35 degrees, the wind fan start, ensure long time.

工程塑料一体成型电器盒，更加耐用。
Engineering plastics integrated forming electrical box is more durable.

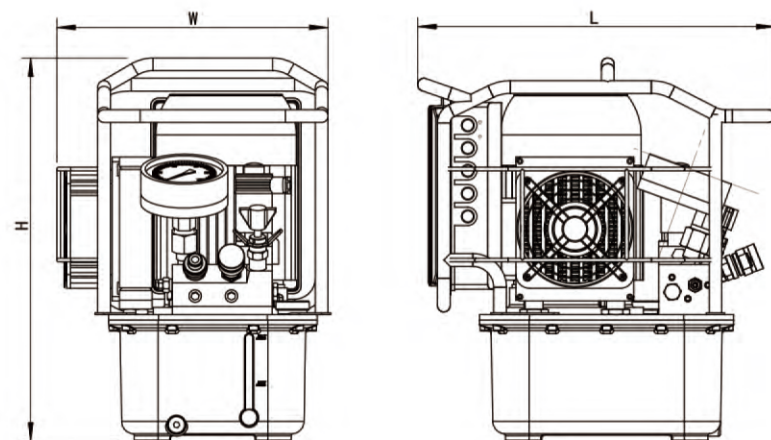
铸造铝合金油箱，油液零泄露，更加轻便，坚固。
Casting aluminum alloy tank, zero leakage of oil, more light and strong.

嵌入式油位计，油位刻度线指示，查看油位更加方便快捷。
The embedded oil level gauge and the oil level calibration line indicate that the oil level is more convenient and fast.

- * 高效率的三级流量压力设计，完美模拟人工操作，实现快速轻负载，慢速重负载，螺栓预紧更加精准。
Efficient three-stage flow pressure design, perfect simulation of manual operation, fast light load and slow heavy load, bolt pre-tightening more accurate.
- * 标准配置同时带动两台液压扳手（另可配置同时带动 4 台液压扳手）。
The standard configuration also drives two hydraulic wrenches at the same time (another 4 hydraulic wrenches can be configured at the same time).
- * 铝钛合金制造泵体，质量小，携带轻便。
Aluminum titanium alloy pump body, small quality, portability.
- * 在 40 ~ 700bar 范围内自由调整输出压力
Adjust output pressure freely in the range of 40 to 700bar.
- * 无碳刷大功率电机，维护方便，寿命长，电机配有启动电容，可带载启动，操作更简洁。
Brushless high-power motor, easy maintenance, long life, motor with starting capacitor can start with load, more concise operation.

外型尺寸

Outer size



技术参数

technical parameter

型号 Model	输出口 Output Port	电源参数 Power Parameter	工作压力 (MPa) Working Pressure			流量 (L/min) Flow			油箱容 积 Tank Volume (L)	外型尺寸 Outer Size (L×W×H) (mm)	参考重量 Reference Weight (KG)
			高压 High	中压 Medium	低压 Low	高压 High Pressure	中压 Medium	低压 Low			
SP304-2	4	220V/1.1KW	70	32	6	0.8	1.6	8	7.6	394x300x420	26
SP304-4	8	220V/1.1KW	70	32	6	0.8	1.6	8	7.6	394x300x420	26

电动油泵Electric oil pump

电动液压泵站的选用：根据千斤顶顶升速度的要求进行合理的选配，具体请查看相应的泵站参数。建议选用大功率的液压泵站，方便长时间操作使用。

Selection of electric hydraulic pump station: According to the requirements of the lifting speed of the jack, a reasonable selection is made. For details, please check the corresponding pump station parameters. It is recommended to choose a high-power hydraulic pump station, which is convenient for long-term operation and use.



电磁换向液压泵
Electromagnetic reversing hydraulic pump

超高压电动油泵
Ultra-high pressure electric oil pump

型号 Model	高压压力 High pressure	高压流量 High pressure flow	低压流量 Low pressure flow	功率 Power	储油量 Oil storage
ZB-0.55	63 MPa	0.4 L/min	1 L/min	0.55 kw	7L
ZB-0.75	63 Mpa	0.7 L/min	2.4 L/min	0.75 kw	16L
ZB-1.5	63 MPa	1 L/min	6 L/min	1.5 kw	26L
ZB-2.2	63 MPa	2.4 L/min	6 L/min	2.2 kw	42L
ZB-3	63 Mpa	3 L/min	6 L/min	3 kw	42L
ZB-4	63 MPa	4 L/min	9 L/min	4 kw	60L
ZB-5.5	63 MPa	6 L/min	9 L/min	5.5 kw	90L
ZB-7.5	63 Mpa	7 L/min	9 L/min	7.5 kw	120L
ZB-11	63 Mpa	9 L/min	15 L/min	11 kw	150L

手动油泵 Manual oil pump



SYB-1单向手动油泵
SYB-1 one-way manual oil pump



SYB-2单向手动油泵
SYB-2 one-way manual oil pump



SYB-2S双向手动油泵
SYB-2S two-way manual oil pump

产品型号 Model			SYB-1	SYB-2	SYB-3	SYB-2S
压力 pressure	高压 High pressure	MPa	63			
	低压 Low pressure		1			
流量 flow	高压 High pressure		2.3			
	低压 Low pressure	M1/次 bout	12.5			
最大手摇力(约) Max. hand crank force (approx.)		N	500			
重量 Weight		kg	9	10	12	15
外形尺寸(长×宽×高)Dimensions (L×W×H)		mm	630×175×170	650×180×145	650×380×145	600×160×140
贮油量 Oil storage		L	0.7	3	6	3

MTH系列 – 驱动扭矩扳手

MTH series-drive torque wrench



- * 航空铝钛合金材料、一体式设计保证了其广泛的适用性。
Aviation aluminum titanium alloy and integrated design ensure its wide applicability.
- * 最大工作压力为 70MPa，采用先进的精密棘轮驱动，输出扭矩重复精度高达 $\pm 3\%$ 。
The maximum working pressure is 70MPa, with advanced precision ratchet drive, the output torque repeatability is as high as $\pm 3\%$.
- * $360^\circ \times 180^\circ$ 可旋转油管接头，使用范围广。
 $360^\circ \times 180^\circ$ rotatable oil pipe joint, wide range of use.
- * 扳机式锁扣可将 360° 微调式反力臂放置在任何支点上。
The trigger button can place the 360° fine-tuning reaction arm on any pivot.
- * 直推式驱动轴设计，能够快速地切换拧紧和拆卸状态。
The design of the direct drive shaft can quickly switch the tightening and disassembling state.
- * 锁扣式驱动轴可根据客户要求定做。
Lock drive shaft can be customized according to customer requirements.
- * 扭矩从 185 到 150000Nm 共 12 个型号，规格最全，螺栓覆盖最广的产品。
The torque from 185 to 150000Nm has 12 models, the most complete specifications, and the most widely covered products.

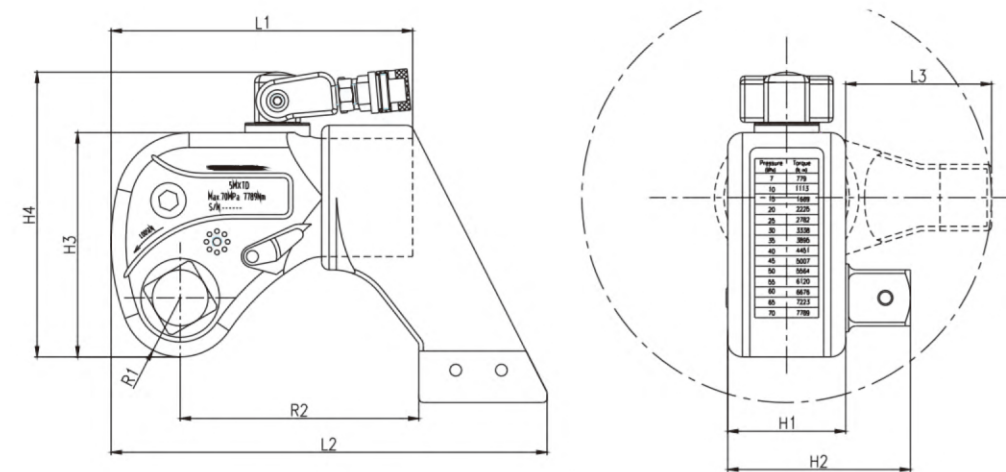


MTH系列 – 驱动扭矩扳手

MTH series-drive torque wrench

外型尺寸

Outer size



MTH系列液压扭矩扳手选型表

Type selection table of MTH series hydraulic torque wrench

型号 Model	MTH-01	MTH-03	MTH-05	MTH-08	MTH-10	MTH-15	MTH-20	MTH-25	MTH-35	MTH-45	MTH-50	MTH-95
扭矩 (Nm) Torque	185	436	779	1072	1553	2050	2617	3493	4963	5912	7032	14085
重量 (Kg) Weight	2.7	4.8	8.8	12	14.5	19	25	37.5	44	63	89	155
L1	138	168	207	226	250	281	304	331	390	412	418	520
L2	194	244	296	326	366	402	442	483	558	570	596	758
L3	63	79	99	110	120	132	146	158	177	188	195	246
H1	50	70	80	90	100	112	120	138	150	163	166	210
H2	73	99	124	133	143	165	183	202	219	229	236	307
H3	96	125	152	170	186	208	226	250	282	288	300	415
H4	140	165	193	211	227	249	267	291	323	332	366	473
R1	26	34	40	46	50	56	60	66	77	80	82	115
R2	107	132	162	178	199	218	240	260	298	303	325	400
方驱 Square Drive	3/4'	1'	1-1/2'	1-1/2'	1-1/2'	2'	2-1/2'	2-1/2'	2-1/2'	2-1/2'	3'	4'

特别注意:

Particular attention

产品的选取依据螺栓锁紧及拆卸扭矩值而定，扭矩值会因螺栓直径、材质、工况及设备制造厂要求而有所不同

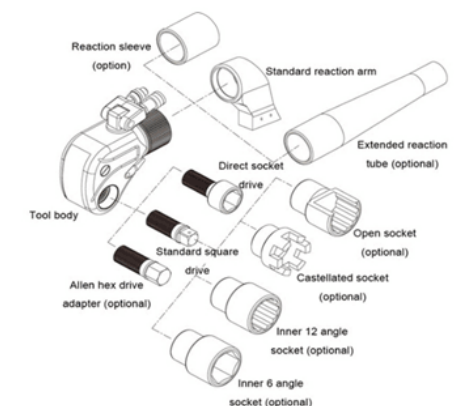
The selection of products depends on bolt tightening and disassemble torque values, which vary according to bolt diameter, material, operating conditions and equipment manufacturer requirements.

表中参数的变更，恕不另行通知。

The parameters of the table are subject to any change without notice.

可根据需要订制特殊规格的驱动轴及反作用力臂。

Special specifications of driving shaft and reaction arm can be customized according to need.



HKB 系列 – 中空扭矩扳手

HKB Series-hollow torque wrench

- ✧ 航空铝钛合金材料，一体成型机身高强度、高韧性。
Aviation aluminum titanium alloy, integrated molding body,high strength, high toughness .
- ✧ 精准的止回掣子结构，克服螺栓扭转回弹导致工具逆转现象。
Precise check button structure to overcome tool reverse phenomenon caused by bolt torsion springback.
- ✧ 360° x180° 可旋转油管接头，无使用空间限制，一体式加长设计，力臂更长，更轻便。
360° x180° rotatable tubing joint, no space restriction, one-piece lengthening design, more longer force arm, more portable.
- ✧ 工作头与反力支点同轴，完善的受力结构设计，提高使用寿命。
The working head and the reaction fulcrum are coaxial, and the perfect force structure design improves the service life.
- ✧ 扭矩恒定输出，扭矩重复精度 ±3%。
Torque constant output, torque repeatability accuracy ±3%
- ✧ 可以更换的多种工作头，反力臂也可根据现场空间定制。
A variety of working heads can be replaced, and the reaction arm can also be customized according to the site space.

油管旋转接头 360° X 270°，操作自由，无空间使用限制。
Hose liberty joint,allow 360° X 270° movement, free operation, no restrictions on space use.

止退棘爪设计，克服扳手棘轮逆转，提高工作效率及扭矩精度。
The check pawl is designed to overcome the ratchet wheel reversing of the wrench, improve work efficiency and torque accuracy.

一体式加长设计，支撑力臂更长，可靠性更高。
The integral lengthening design has longer supporting force arm and higher reliability.

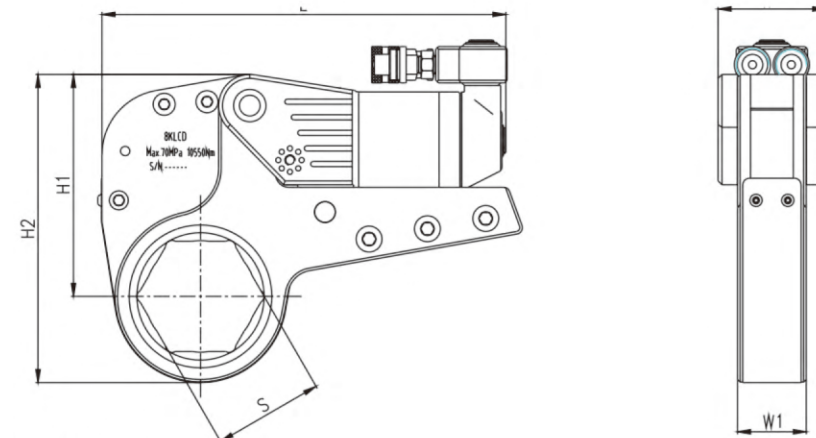
中空设计，扳手直接作用于螺母，扭矩更准，使用更便捷。
Hollow design, wrench directly acting on nuts, more accurate torque, more convenient to use.



HKB 系列 – 中空扭矩扳手

HKB Series-hollow torque wrench

外型尺寸 Outer size



HKB 系列液压扭矩扳手选型表

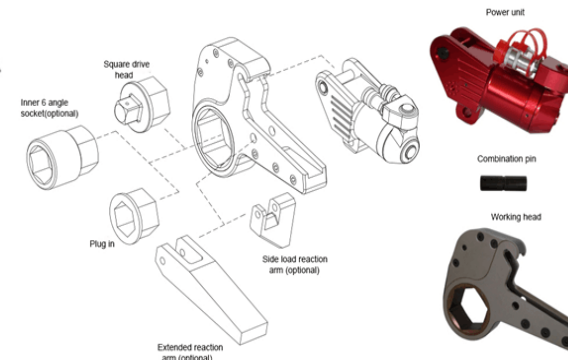
Type selection table of HKB series hydraulic torque wrench

型号 Model	HKB-02	HKB-03	HKB-04	HKB-08	HKB-14	HKB-18	HKB-20	HKB-30	HKB-40	HKB-45	HKB-60
扭矩 Torque Nm	237 2370	345 3446	546 5458	1055 10550	1848 18484	2481 24814	2909 29089	4231 42311	5209 52088	6057 60566	8415 84150
螺母范围 Nuts Range S	36-55	36-60	46-80	70-105	80-115	85-120	90-130	95-145	120-145	130-155	135-180
动力头重量 Weight of Power Head Kg	0.8	0.8	1.9	4.2	6.8	8.1	10.5	12.7	15.2	16.3	23
工作头重量 Weight of Working Head Kg	1.5	1.7	3.6	7.6	12.2	19.3	22.3	32.3	47.5	58.7	75
L	192	218	266	324	382	404	427	479	479	486	514
H1	105	118	139	171	205	229	240	268	285	311	336
H2	147	156	167	198	231	255	265	289	302	352	375
W1	32	32	42	53	64	68	70	85	98	108	117
W2	50	50	66	83	99	105	110	132	148	160	177

特别注意： Particular attention

产品的选取依据螺栓锁紧及拆卸扭矩值而定，扭矩值会因螺栓直径、材质、工况及设备制造厂要求而有所不同
The selection of products depends on bolt locking and disassembly torque values, which vary according to bolt diameter, material, operating conditions and equipment manufacturer requirements.

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The parameters of the table are subject to any change without notice.



整体式液压拉马 Integral hydraulic puller



液压拉马是一种替代传统拉马的理想化新工具。操作方便，使用省力，不受场地限制，本拉马结构紧凑，使用灵活，重量轻，体积小，携带方便，适用于工厂、修理场所。

Hydraulic pullers are an ideal new tool to replace traditional pullers. Easy to operate, labor-saving to use, not limited by the site, this puller has a compact structure, flexible use, light weight, small size, easy to carry, and is suitable for factories and repair places.

型号 Model	DYZ-5	DYZ-10	DYZ-20	DYZ-30	DYZ-50	DYZ-100
安全负重 Safe weight(T)	5	10	20	30	50	100
行程 Stroke(mm)	60	60	60	60	60	100
三爪调节范围 Three-jaw adjustment range(mm)	50-200	50-250	100-350	150-450	200-500	250-600
工作压力 Working pressure(MPa)	40	63	63	63	63	63

分体式液压拉马 Split hydraulic puller



液压拉马是以液压起动杆直接前进移动，故推动杆本身不作转动。钩爪座又可随螺纹直接作前进后退之调距，操作时只要把手前后小幅度摆动，液压起动杆前移，钩爪相对应后退，把被拉物体拉出。

The hydraulic puller moves directly forward with the hydraulic starting rod, so the push rod itself does not rotate. The hook seat can be adjusted forward and backward directly with the thread. During operation, as long as the handle swings back and forth slightly, the hydraulic starter rod moves forward, and the hook correspondingly retreats to pull out the pulled object.

型号 Model	DYF-5	DYF-10	DYF-20	DYF-30	DYF-50	DYF-100
安全负重 Safe weight(T)	5	10	20	30	50	100
行程 Stroke(mm)	60	60	60	60	60	100
三爪调节范围 Three-jaw adjustment range(mm)	50-250	50-300	100-450	150-500	200-550	250-600
工作压力 Working pressure(MPa)	40	63	63	63	63	63

电动升降拉马 Electric lift puller



升降分离式拉顶多用机是一种新型拉顶多用工具。它具有结构合理，操作方便，使用安全，装卸快速等优点。本机广泛适用于工厂、油田、船舶、码头、铁路、建筑工程、坑道作业及汽车、拖拉机、科研等方面。尤其适用于无电源野外操作。本机系参照装卸叉车而设计的，底部为四个钢质万向轮，经久耐用。

The lift-separated top-pulling multi-purpose machine is a new type of top-pulling multi-purpose tool. It has the advantages of reasonable structure, convenient operation, safe use and fast loading and unloading. This machine is widely used in factories, oil fields, ships, docks, railways, construction projects, tunnel operations and automobiles, tractors, scientific research, etc. Especially suitable for field operation without power supply. This machine is designed with reference to the loading and unloading forklift, with four steel universal wheels at the bottom, which is durable.

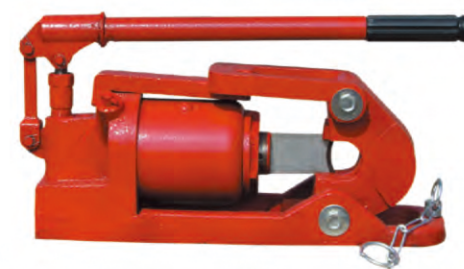
型号 Model	FBL-20	FBL-30	FBL-50	FBL-100	FBL-200	FBL-300	FBL-500
起顶力 Lifting force(T)	20	30	50	100	200	300	500
工作压力 Working pressure(MPa)	63	63	63	63	63	63	63
最大行程 Maximum stroke(mm)	200	200	200	200	200	200	200
拉卸范围 Pulling and unloading range(mm)	300	400	500	600	700	800	900

螺母破切机 Nut Crusher



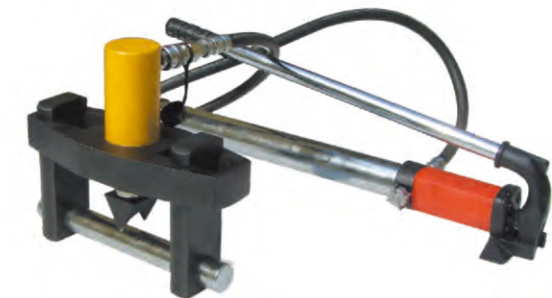
型号 Model	破断力(T) Breaking force	螺母对边范围 Nut side range
MDLP-20	5	S13-S19
MDLP-42	10	S19-S24
MDLP-61	15	S24-S32
MDLP-72	20	S32-S41
MDLP-82	25	S41-S50
MDLP-103	50	S50-S60
MDLP-115	100	S60-S70

钢丝绳切断器 Wire rope cutter



型号 Model	切割范围(mm) Cutting range	活塞行程(mm) Piston stroke	最大切力(T) maximum shear force	手柄操作力(kgf) handle force
QY30	φ 8-30	≥38	7.5	≤25
QY48	φ 8-48	≥60	20	≤39

法兰劈开机 Flange splitting machine



型号 Model	推力(T) Thrust	行程(mm) Journey	法兰厚度(mm) Flange thickness	螺栓尺寸(mm) Bolt size	楔刀(mm) wedge knife
HFS-1	10	36	60-160	16-28	3-29
HFS-2	20	42	80-180	21-36	3-29
HFS-3	30	54	100-210	30-42	3-29

分离式钢丝绳切断器 Separate wire rope cutter



型号 Model	切割范围(mm) Cutting range	活塞行程(mm) Piston stroke	最大切力(T) maximum shear force	压力(MPa) Pressure
FJQ32	φ 8-32	40	16	63
FJQ52	φ 8-52	58	50	63

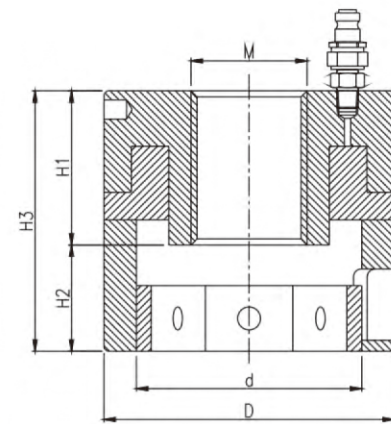
多功能滚动弯管机 Multifunctional rolling pipe bender



型号 Model		DWQJ-76						
圆管 Round tube	主动模 Active mode(mm)	φ 16, φ 19, φ 22, φ 25, φ 32, φ 38, φ 51, φ 63, φ 76						
	被动模 Passive mode(mm)	φ 16, φ 19, φ 22, φ 25, φ 32, φ 38, φ 51, φ 63, φ 76						
方管 Square tube	主动模(mm)	φ 16, φ 19, φ 22, φ 25, φ 30, φ 38, φ 40, φ 50						
	被动模(mm)	φ 16, φ 19, φ 22, φ 25, φ 30, φ 38, φ 40, φ 50						
管壁厚度 Wall thickness(mm)		0.5-2						
电机功率 Motor Power(KW)		1.5						
电压 Voltage(V)		380						
重量 Weight(kg)		290						
外形尺寸 Dimensions (L × W × H)cm		60 × 89 × 109						

YLP 系列 - 普通型螺栓拉伸器

YLP series - General bolt tensioner



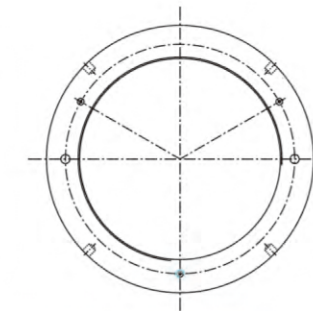
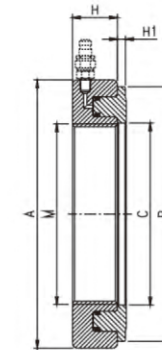
执行机械标准:GB/T 6390-2007
Implementation of mechanical standard: GB/T 6390-2007

注: 工作压力 80MPa, 机械式回位。
Note: working pressure 80MPa, mechanical return.

型号 Model	螺纹规格 Thread	拉伸力 Tensile Force KN	尺寸 Size (mm)					活塞 Piston	
			D	d	H1	H2	H3	面积 The Measure Of Area cm ²	行程 Stroke mm
YLP01	M30×3.5	125	70	54	70	26	96	15.7	5
YLP02	M33×3.5	140	76	60	72	28	103	17.3	5
YLP03	M36×4	150	83	66	74	30	109	18.9	5
YLP04	M39×4	195	88	72	75	32	112	24.5	5
YLP05	M42×4.2	210	94	77	76	34	116	26.5	5
YLP06	M45×4.5	230	100	83	78	38	124	28.5	5
YLP07	M48×5	280	106	89	80	40	129	35.3	5
YLP08	M52×5	300	112	94	82	45	134	37.6	5
YLP09	M56×5.5	385	124	100	84	48	145	48	5
YLP10	M60×5.5	480	136	106	86	51	154	59.7	5
YLP11	M64×6	505	142	112	88	53	151	62.9	5
YLP12	M68×6	610	153	118	90	58	162	76	5
YLP13	M72×6	720	165	124	92	62	166	90.3	5
YLP14	M76×6	755	171	130	95	64	174	94.3	5
YLP15	M80×6	880	183	136	105	68	175	110	5
YLP16	M85×6	1020	195	143	110	72	189	127.2	5
YLP17	M90×6	1165	207	146	115	74	198	145.5	5
YLP18	M95×6	1320	218	157	120	80	218	165	5
YLP19	M100×6	1365	224	164	125	84	223	170.5	5W
YLP20	M105×6	1580	228	175	135	88		197.3	5
YLP21	M110×6	1760	254	181	145	95		220	5
YLP22	M115×6	1800	260	188	155	98		225	5
YLP23	M120×6	1910	271	194	165	100		238.8	5
YLP24	M125×6	1960	277	198	175	105		245	5
YLP25	M130×6	2165	289	210	185	110		270.4	5

DN/HN 系列 - 液压螺母

DN/HN series - hydraulic nut



型号 Model	螺纹规格 Thread specification	外径 Outside diameter	压环外径 Outer diameter of pressure ring	压环内径 Inner diameter of pressure ring	油缸厚度 Cylinder height	压环厚度 Ring height	行程 Stroke	有效面积 Cylinder Effective Area Advance	最大推力 Maximum Cylinder Capacity Advance	重量 Weight
	M	A	B	C	H	H1	mm	cm ²	KN	kg
	mm	mm	mm	mm	mm	mm				
HMV50	M50×1.5	114	104	50.5	38	4	5	29	290	2.70
HMV55	M55×2	120	109	55.5	38	4	5	31.5	315	2.75
HMV60	M60×2	125	115	60.5	38	5	5	33	330	2.80
HMV65	M65×2	130	121	65.5	38	5	5	36	360	3.00
HMV70	M70×2	135	127	70.5	38	5	5	38	380	3.20
HMV75	M75×2	140	132	75.5	38	5	5	40	400	3.40
HMV80	M80×2	146	137	80.5	38	5	5	42	420	3.70
HMV85	M85×2	150	142	85.5	38	5	5	44	440	3.75
HMV90	M90×2	156	147	90.5	38	5	5	47	470	4.00
HMV95	M95×2	162	153	95.5	38	5	5	49	490	4.30
HMV100	M100×2	166	158	100.5	38	6	5	51	510	4.40
HMV105	M105×2	172	163	105.5	38	6	5	53	530	4.65
HMV110	M110×2	178	169	110.5	38	6	5	56	560	4.95
HMV115	M115×2	182	174	115.5	38	6	5	58	580	5.00
HMV120	M120×2	188	179	120.5	38	6	5	60	600	5.25
HMV125	M125×2	192	184	125.5	38	6	5	62	620	5.35
HMV130	M130×2	198	190	130.5	38	6	5	64	640	5.65
HMV135	M135×2	204	195	135.5	38	6	5	66	660	5.90
HMV140	M140×2	208	200	140.5	38	7	5	68	680	6.00
HMV145	M145×2	214	206	145.5	39	7	5	73	730	6.50
HMV150	M150×2	220	211	150.5	39	7	5	75	750	6.60
HMV155	M155×3	226	218	155.5	39	7	5	81	810	6.95
HMV160	M160×3	232	224	160.5	40	7	6	86	860	7.60
HMV165	M165×3	238	229	165.5	40	7	6	89	890	7.90
HMV170	M170×3	244	235	170.5	41	7	6	94	940	8.40
HMV180	M180×3	256	247	180.5	41	7	6	103	1030	9.15
HMV190	M190×3	270	259	191	42	8	7	115	1150	10.50
HMV200	M200×3	282	271	201	43	8	8	125	1250	11.50
HMV205	Tr205×4	288	276	207	43	8	8	128	1280	12.00
HMV210	Tr210×4	294	282	212	44	8	9	134	1340	12.50
HMV215	Tr215×4	300	287	217	44	8	9	137	1370	13.00
HMV220	Tr220×4	306	293	222	44	8	9	144	1440	13.50
HMV225	Tr225×4	312	300	227	45	8	9	152	1520	14.50
HMV230	Tr230×4	318	305	232	45	8	9	155	1550	15.00
HMV235	Tr235×4	326	311	235	46	8	10	162	1620	16.00
HMV240	Tr240×4	330	316	242	46	9	10	165	1650	16.50
HMV250	Tr250×4	342	329	252	46	9	10	176	1760	17.50
HMV260	Tr260×4	356	341	262	47	9	11	188	1880	19.50
HMV270	Tr270×4	368	352	272	48	9	12	198	1980	20.50
HMV280	Tr280×4	380	363	282	49	9	12	211	2110	22.00

风电专用系列 - 螺栓超张拉

HLD series - single stage hydraulic bolt tensioner



风电专用

Special for wind power

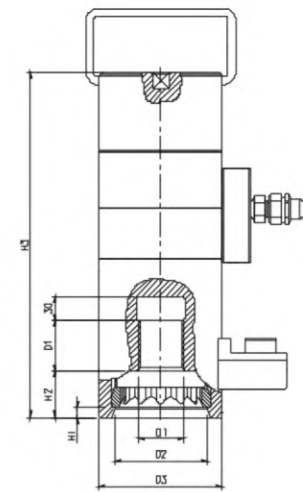
- * 该系列拉伸器适用于各种机型的螺丝工况，例如、金风、上海电气、东方电气、重庆海装、远景能源、维斯塔斯、歌美飒等风机；针对不同型号风机、不同位置螺栓，精科都有针对性的拉伸器与之匹配。
- * The series of tensioners are suitable for various types of screw working conditions, such as Goldwind, Shanghai Electric, Dongfang Electric, Chongqing Seaborne, Envision, Vistas, Siemens Gamesa and other wind turbines; for different types of wind turbines

型号 Model	螺栓规格 Bolt Specification M	螺母对边 The Edge of The Nut S	拉伸力 Tensile Force KN	油缸面积 Oil Cylinder Area mm ²	行程 Stroke mm	油缸外径 Outer Diameter of Oil Cylinder mm	本高 Height mm	最大压力 Maximum Pressure MPa
MSD30. 2. 74	30×3. 5	46	520	3855	8	74	218	135
MSD36. 2. 87	36×4	55	724	4827	10	87	263	150
MSD36. 2. 75	36×4	55	452	3016	8	75	201	150
MSD36. 3. 75	36×4	55	678	4524	8	75	255	150
MSD36C. 2. 96	36×4	55	670	4963	10	96	213	135
MSD36JG. 2. 82	36×4	55	667	4943	10	82	405	135
MSD39. 2. 94	39×4	60	870	5802	10	94	257	150
MSD42. 2. 108	42×4. 5	65	1058	7057	10	108	292	150
MSD42. 3. 100	42×4. 5	65	1190	8817	10	100	338	135
MSD48. 2. 122	48×5	75	1478	9858	12	122	324	150
MSD48. 2. 131	48×5	75	1539	10261	12	131	338	150
MSD56. 2. 138	56×5. 5	85	1734	12847	12	138	372	135
MSD56L. 2. 141	56×5. 5	85	1547	11459	10	141	285	135
MSD64. 2. 150	64×6	95	2011	14901	15	150	421	135
MSD64L2. 151	64×6	95	1839	12265	10	151	321	150



MSD 系列 - 多级液压螺栓拉伸器

MSD Series - Multi-stage Hydraulic Bolt Tensioner



- * 主要用于 10.9 级高强螺栓。
It is mainly used for 10.9 grade high-strength bolts.
- * 最高使用压力：150MPa。
Maximum service pressure: 150MPa
- * 自动快速回程机构设计，大大减轻劳动强度。
The design of automatic quick return mechanism greatly reduces labor intensity.

- * 超行程红色警戒指示线，三级安全保护，确保操作者安全
Ultra red red warning line, three level safety protection to ensure operator safety.

可选附件：
Optional accessories:安全保护罩。
Safety protection cover.带弹簧的旋转落幕套。
Rotating curtain with spring.可选表面镀镍涂层。
Optional surface nickel plated coating.分配器接头。
Distributor connector.螺杆伸长测量杆。
Screw extension measuring rod.

型号 Model	螺纹 Thread D1	螺母对边 The Edge Of The Nut S	拉伸力 Tensile Force KN	D2 mm	D3 mm	H1 mm	H2 mm	H3 mm
MSD 20	M 20×2. 5	30	200	44	59	6	19	182
MSD 24	M 24×3	36	290	51	65	8	24	188
MSD 27	M 27×3	41	380	56	73	10	25	192
MSD 30	M 30×3. 5	46	460	62	79	12	27	198
MSD 33	M 33×3. 5	50	570	67	84	14	29	240
MSD 36	M 36×4	55	670	72	90	16	32	248
MSD 39	M 39×4	60	800	78	98	18	34	253
MSD 42	M 42×4. 5	65	920	84	107	20	37	256
MSD 45	M 45×4. 5	70	1080	90	112	22	39	260
MSD 48	M 48×5	75	1220	95	123	24	42	268
MSD 52	M 52×5	80	1450	103	129	28	46	288
MSD 56	M 56×5. 5	85	1680	107	136	31	49	328
MSD 60	M 60×5. 5	90	2010	115	146	34	52	330
MSD 64	M 64×6	95	2210	121	155	37	55	346
MSD 68	M 68×6	100	2600	127	164	40	58	358
MSD 72	M 72×6	105	2880	131	177	44	62	378
MSD 76	M 76×6	110	3320	137	183	46	66	385
MSD 80	M 80×6	115	3610	143	203	50	68	414
MSD 90	M 90×6	130	4650	161	232	58	77	446
MSD 100	M 100×6	145	5830	179	252	66	85	487

注：上表所示螺栓拉伸器是为拆装高强度 10.9 级螺栓，并根据伸长极限 0.2 的 90% 设计的；若需要更高的拉伸力，则使用表中螺栓拉伸头同样螺纹尺寸邻近的下一个较大的油缸（例如对 M42 来说，用 MSD45 来代替 MSD42）或进行特殊设计。以上单级拉伸器是本公司产品中很少一部分，90% 以上的拉伸器根据工况都需要专门特殊设计，我们有多成熟的设计和现场使用经验，为你定做最适合工况的产品；详情请与本公司联系。

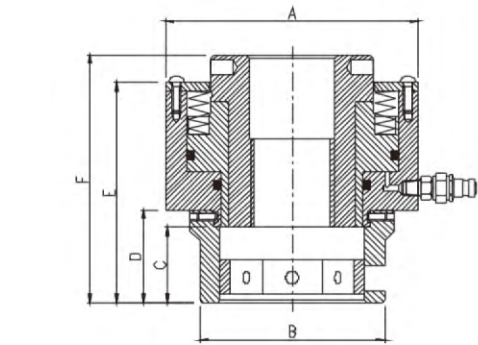
Note: The bolt tensioner shown above is designed to disassemble and assemble high-strength 10.9 bolts according to 90% of the elongation limit of 0.2; if higher tensile force is required, the next larger cylinder with the same thread size of the bolt tensioner head in the table (for example, for M42, MSD45 is used instead of MSD42) or special design is used. The above single-stage tensioner is a very small part of our products, more than 90% of the tensioner according to the working conditions need special design, we have many years of mature design and field experience to customized for you .

TSD 系列 - 单级液压螺栓拉伸器

TSD series - single stage hydraulic bolt tensioner



- * 最高使用压力：150MPa
Maximum service pressure: 150MPa
- * 自动回程机构设计
Design of automatic return mechanism
- * 超行程红色警戒指示线，确保操作者安全。
Ultra red warning line to ensure operator safety.



- * 不同规格的螺栓可以使用同一台拉伸器预紧或拆松，但必须更换拉伸头和拨套。
The bolts of different specifications can be pre loaded or loosened by the same tensioner, but the drawing heads and the sockets must be replaced.

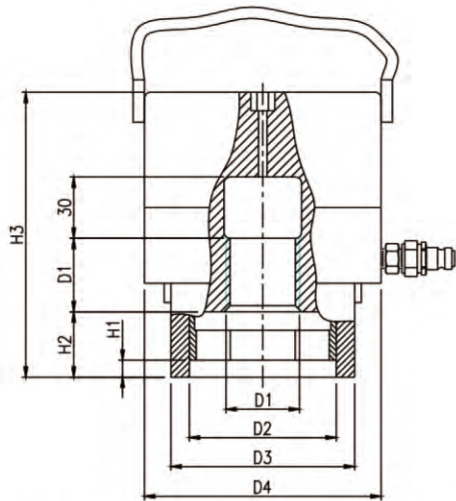
型 号 Model	适合螺栓 Fit Bolt	最大负载 Maximum Load (KN)	尺寸 size (mm)						行程 Stroke (mm)	重量 Weight (Kg)
			A	B	C	D	E	F		
TSD0	M20	307	109	55	23	25	111	128	8	5
	M22			60	25	27	113	130		
	M24			66	27	29	115	132		
TSD1	M24	486	109	74	27	29	120	138	8	7
	M27			77	30	32	123	141		
	M30			80	33	35	126	144		
	M33			85	36	38	129	147		
	M36			90	39	41	132	150		
TSD2	M33	814	132	90	36	44	135	150	8	10
	M36			96	39	47	138	153		
	M39			98	42	50	141	156		
	M42			105	45	53	144	159		
TSD3	M39	989	150	110	42	42	136	450	10	15
	M42			113	45	45	140	155		
	M45			114	50	50	144	161		
	M48			118	52	52	146	163		
TSD4	M52	1413	174	132	55	56	154	174	10	20
	M56			135	59	60	158	178		
TSD5	M56	1649	198	135	59	60	161	179	12	25
	M60			143	64	64	165	183		
	M64			150	68	68	169	187		
	M68			158	72	72	173	191		
TSD6	M72	2131	222	165	76	76	184	207	12	35
	M76			170	80	80	188	211		
TSD7	M76	2544	252	170	80	80	194	221	12	50
	M80			175	85	85	197	224		
	M85			190	90	88	199	226		
	M90			205	95	95	209	236		
TSD8	M95	3101	282	215	100	100	214	243	12	65
	M100			235	105	105	219	248		
TSD9	M105	3793	318	240	110	110	224	254	12	85
	M110			248	115	118	234	264		
	M115			260	120	120	234	264		
TSD10	M115	4936	360	260	120	120	261	297	12	110
	M120			270	125	125	266	302		
	M125			286	140	130	271	307		

ESD 系列 - 单级液压螺栓拉伸器

ESD series - single stage hydraulic bolt tensioner



- * 主要用于 10.9 级高强螺栓。
It is mainly used for 10.9 grade high strength bolts.
- * 自动快速回程机构设计，大大减轻劳动强度。
The design of automatic quick return mechanism greatly reduces labor intensity.



- * 超行程红色警戒指示线，三级安全保护，确保操作者安全。
Super stroke red warning line, three level safety protection to ensure operator safety.

型号 Model	螺纹 D1 Thread D1	螺母对边 Nut to the Side	拉伸力 Tensile Force	D2	D3	D4	H1	H2	H3
	m m	S	KN	mm	mm	mm	mm	mm	mm
ESD 20	M 20×2.5	30	200	42	52	65	6	19	94
ESD 24	M 24×3	36	290	49	60	78	8	22	102
ESD 27	M 27×3	41	380	55	67	86	10	25	108
ESD 30	M 30×3.5	46	460	61	74	97	12	27	106
ESD 33	M 33×3.5	50	570	66	81	107	14	29	114
ESD 36	M 36×4	55	670	71	90	117	16	32	118
ESD 39	M 39×4	60	800	77	96	127	18	34	125
ESD 42	M 42×4.5	65	920	83	102	137	20	37	134
ESD 45	M 45×4.5	70	1080	89	110	148	22	39	135
ESD 48	M 48×5	75	1220	94	116	158	24	42	140
ESD 52	M 52×5	80	1450	102	128	169	28	46	151
ESD 56	M 56×5.5	85	1680	106	135	179	31	49	158
ESD 60	M 60×5.5	90	2010	114	142	199	34	52	167
ESD 64	M 64×6	95	2210	120	151	211	37	55	172
ESD 68	M 68×6	100	2600	124	155	228	40	58	180
ESD 72	M 72×6	105	2880	130	168	238	44	62	186
ESD 76	M 76×6	110	3320	139	180	259	48	66	197
ESD 80	M 80×6	115	3610	142	188	267	50	68	202
ESD 90	M 90×6	130	4650	160	210	300	58	77	220
ESD 100	M 100×6	145	5830	178	237	340	66	85	240

注：上表所示螺栓拉伸器是为拆装高强度 10.9 级螺栓，并根据伸长极限 0.2 的 90% 设计的；若需要更高的拉伸力，则使用表中螺栓拉伸头同样螺纹尺寸邻近的下一个较大的油缸（例如对 M42 来说，用 ESD45 来代替 ESD42）。或进行特殊设计。以上单级拉伸器是本公司产品中很少一部分，90% 以上的拉伸器根据工况都需要专门特殊设计，我们有多年成熟的设计和现场使用经验，为你定做最适合工况的产品；详情请与本公司联系。

Note: The bolt tensioner shown in the above table is for disassembling high-strength 10.9 bolts and designed according to 90% of the elongation limit of 0.2; if higher tensile force is required, the same bolt tensioning head in the table is used. The next larger cylinder adjacent to the thread size (for example, ESD45 instead of ESD42 for M42), or specially designed. The above single-stage tensioner is a small part of the company's products. More than 90% of the tensioners need special design according to the working conditions. We have many years of mature design and field experience, and we can customize the most suitable products for any working conditions . please contact us for details.

EPS150 系列 – 超高压电动泵

EPS150 series ultra high voltage electric pump



- ✧ 泵站最高使用压力 150MPa。
The maximum service pressure of pumping station is 150MPa.
- ✧ 单作用、高性能超高压电动泵。
Single acting high performance electric pump.
- ✧ 泵体由铝钛合金制作，重量轻。
The pump body is made of aluminum titanium alloy with light weight.
- ✧ 无碳刷大功率电机，维护方便，寿命长。
Brushless high power motor has convenient maintenance and long service life.
- ✧ 适用于液压螺栓拉伸器，造船、风电等现场。
It is suitable for hydraulic bolt tensioner, shipbuilding, wind power and other fields.
- ✧ 卡扣式快速接头，操作快捷、方便。
Fastener type quick connector is quick and convenient to operate.

技术参数

technical parameter

型号 Model	输出口 Output Port	电源参数 Power Parameter	工作压力 (MPa) Working Pressure	流量 (L/min) Flow	油箱容积 Tank Volume (L)	外型尺寸 Outer Size (mm)	参考重量 Reference Weight (KG)
EPS150-220	1/4 G	220V/1.5KW	150	0.8	8	500x260x530	38
EPS150-380	1/4 G	380V/1.5KW	150	0.8	8	500x260x530	38

EMP2004 系列 – 超高压电动泵

EMP2004 series ultra high voltage electric pump



- ✧ 泵站最高使用压力 200MPa。
The maximum service pressure of pumping station is 200MPa.
- ✧ 高低压自动切换，工作效率更高。
High and low voltage automatic switching, higher efficiency.
- ✧ 泵体由铝钛合金制作，重量轻。
The pump body is made of aluminum titanium alloy with light weight.
- ✧ 无碳刷大功率电机，维护方便，寿命长。
Brushless high power motor has convenient maintenance and long service life.
- ✧ 适用于液压螺栓拉伸器，造船、风电等现场。
It is suitable for hydraulic bolt tensioner, shipbuilding, wind power and other fields.
- ✧ 卡扣式快速接头，操作快捷、方便。
Fastener type quick connector is quick and convenient to operate.

技术参数

technical parameter

型号 Model	输出口 Output Port	电源参数 Power Parameter	工作压力 (MPa) Working Pressure		流量 (L/min) Flow		油箱容积 Tank Volume (L)	外型尺寸 Outer Size (L×W×H) (mm)	参考重量 Reference Weight (KG)
			高压 High Pressure	低压 Low Pressure	高压 High Pressure	低压 Low Pressure			
EMP2004	G1/4	220V/1.1KW	200	3	0.3	2.5	8	400x310x440	27

PHG 系列 – 汽油发动机液压泵

FB204 series ultra high voltage electric pump



- ✧ 在工作现场无电源及压缩空气时，这是一个合理的选择。
This is a reasonable choice when there is no power supply and compressed air at work site.
- ✧ 可操作单、双作用液压工具，工作压力可达 70MPa 外置式调压阀，压力 7-70MPa 之间连续可调。
Operating single-acting and double-acting hydraulic tools, the working pressure can reach 70 MPa external pressure regulating valve, and the pressure can be continuously adjusted between 7 and 70 MPa.
- ✧ PHG 系列汽油发动机、液压泵均有预置单向阀，以防止由前推位置转向保压位置时的压力丢失。
PHG series gasoline engines and hydraulic pumps have pre-installed one-way valves to prevent pressure loss from the forward position to the holding position.
- ✧ 泵由一个四冲程，2.0kW 的 HONDA 发动机所驱动，在所有汽油发动机中具有最低的重量马力比普通汽油机具有强制空气冷却功能。
Driven by a 4-stroke, 2.0kW HONDA engine, the pump has the lowest weight horsepower among all gasoline engines with forced air cooling function compared with ordinary gasoline engines.
- ✧ PHG 系列泵装有管状可移动保护架，以防止泵被损坏移动方便。
PHG series pumps are equipped with tubular movable protector to prevent the pump from being damaged and easy to move.

技术参数

technical parameter

型号 Model	输出口 Output Port	发动机参数 Engine Parameters		工作压力 (MPa) Working Pressure		流量 (L/min) Flow		油箱容积 Tank Volume (L)	外型尺寸 Outer Size (L×W×H) (mm)	参考重量 Reference Weight (KG)
		排量 Displacement (cm3)	转速 Speed (r/min)	高压 High Pressure	低压 Low Pressure	高压 High Pressure	低压 Low Pressure			
PHG120	M16×1.5	163	3000	70	—	1.1	—	8	540×430×500	54
PHG220	M16×1.5	163	3000	70	6	1.1	6	8	540×430×500	54

HP 系列—单作用铝制高压手动泵

HP series - single acting aluminum high pressure manual pump

- ✧ 合理的结构和外观设计，整体美观、便于携带。
The reasonable structure and appearance design are beautiful and easy to carry.
- ✧ 双速设计，泵的工作效率提高 80%。
Double speed design, pump efficiency increased by 80%.
- ✧ 内置安全阀，用于过载保护。
Built in safety valve for overload protection.
- ✧ 油箱容量大，可适用于多种型号的油缸或工具。
The tank has large capacity and can be applied to various types of cylinders or tools.
- ✧ 铝钛合金材料制造，质量轻、强度高、耐腐蚀、抗冲击，能适合各种工作环境。
Aluminum-titanium alloy material, light weight, high strength, corrosion resistance, impact resistance, can be suitable for various working environments
- ✧ 最大工作压力为 280MPa。
The maximum working pressure is 280MPa
- ✧ 内置精密高低压切换阀，性能稳定可靠。
Built in precision high and low pressure switch valve, stable and reliable performance.



型号 Model	输出口 Output Port	工作压力 (MPa) Working Pressure		流量 (L/min) Flow		可用油量 Tank Volume (ML)	外型尺寸 Outer Size (L×W×H) (mm)	参考重量 Reference Weight (KG)
		高压 High Pressure	低压 Low Pressure	高压 High Pressure	低压 Low Pressure			
HP100	G1/4	100	2	1.1	6	8	556x124x160	8.8
HP160	G1/4	100	2	1.1	6	8	556x124x160	8.8
HP250	G1/4	250	2	1.1	6	8	556x124x160	8.8
HP280	G1/4	280	2	1.1	6	8	556x124x160	8.8

螺栓及螺母最大扭矩推荐值
Recommended values of maximum torque for bolts

强度等级 Strength grade		4. 8		6. 8		8. 8		10. 9		12. 9	
最小破断强度 Minimum breaking strength		400 MPa		600 MPa		800 MPa		1000 MPa		1200 MPa	
材 质 Texture of material		一般构造用钢 General structural steels		机械构造用钢 Mechanically constructed steel		铬钼合金钢 chrome molybdenum steel		镍铬钼合金钢 Nickel chromium molybdenum alloy steel		镍铬钼合金钢 Nickel chromium molybdenum alloy steel	
螺栓 Bolt	螺母对边 The edge of the nut	扭矩值 Torque value		扭矩值 Torque value		扭矩值 Torque value		扭矩值 Torque value		扭矩值 Torque value	
M	S	KGM	NM	KGM	NM	KGM	NM	KGM	NM	KGM	NM
16	24	9	87	13	131	18	174	25	245	30	294
18	27	13	128	20	192	26	256	37	360	44	432
20	30	17	170	26	256	35	341	49	479	59	575
22	34	24	232	36	348	47	465	69	653	80	784
24	36	30	294	45	442	60	589	84	828	101	994
27	41	44	432	66	647	88	863	124	1214	149	1457
30	46	60	585	89	877	119	1171	168	1646	201	1975
33	50	81	796	122	1195	162	1593	228	2240	274	2688
36	55	104	1023	157	1535	209	2046	294	2878	352	3453
39	60	135	1324	203	1986	270	2649	380	3725	456	4469
42	65	167	1638	251	2457	334	3277	470	4608	564	5529
45	70	209	2045	313	3068	417	4090	587	5752	704	6903
48	75	251	2461	376	3691	502	4921	706	6921	847	8305
52	80	325	3181	487	4771	649	6362	913	8946	1095	10736
56	85	404	3956	605	5934	807	7912	1135	11127	1362	13352
60	90	504	4932	755	7398	1006	9864	1415	13871	1698	16645
64	95	608	5960	912	8940	1216	11920	1710	16762	2052	20115
68	100	738	7230	1107	10845	1475	14460	2075	20335	2450	24401
72	105	885	8669	1327	13003	1769	17337	2488	24381	2985	29257
76	110	1050	10287	1574	15430	2099	20573	2952	28931		34717
80	115	1234	12094	1851	18141	2468	24188	3471	34014		40815
85	120	1493	14636	2240	21953	2987	29271		41163		49395
90	130	1787	17510	2680	26266	3573	35021		49248		59098
100	145	2484	24341	3726	36512		48683		68460		82152
110	155	3342	32751		49126		65501		92111		110533
120	175	4378	42902		64354		85805		120663		144795
125	180		48683		73024		97366		136920		164304

上表中螺栓预紧扭矩数据仅作参考使用
The data of bolt pretightening torque in the above table are for reference only.

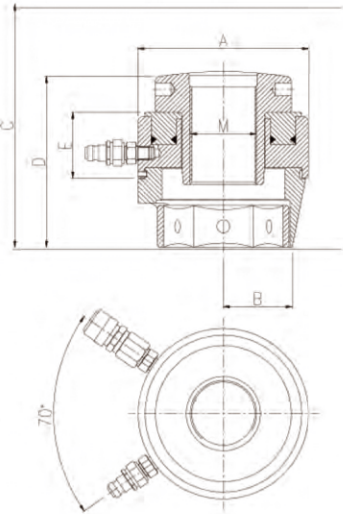
螺栓预紧扭矩值首先应依据机械设备设计所需扭矩为准
The pre tightening torque of bolts should be based on the torque required for mechanical equipment design.

注：表中数值为螺栓达到屈服极限的 60% 时所测定，建议锁紧扭矩值为，表中数据 ×(70-80)%。
Note: The value in the table is 60% of the yield limit of the bolt. It is suggested that the value of locking torque should be: the data in the table ((70-80)%).

例如：M52、8.8 级螺栓，则锁紧扭矩为：6362 × (70 - 80) % = 4453 - 5090 Nm。
For example, M52, 8.8 bolts, locking torque is 6362 x 70-80 %=4453-5090Nm.

选择扳手前应确认一个原则，即拆松螺母的扭矩是锁紧扭矩的 1.5 - 2.5 倍。
A principle should be confirmed before choosing spanner, that is, the torque of loosening nut is 1.5-2.5 times of locking torque.

HLD 系列 - 单级液压螺栓拉伸器
HLD series - single stage hydraulic bolt tensioner



- ✧ 使用最大压力：150MPa
Use a maximum pressure of 150 MPa.

✧ 结构紧凑，维护简单。
Compact and easy to maintain.

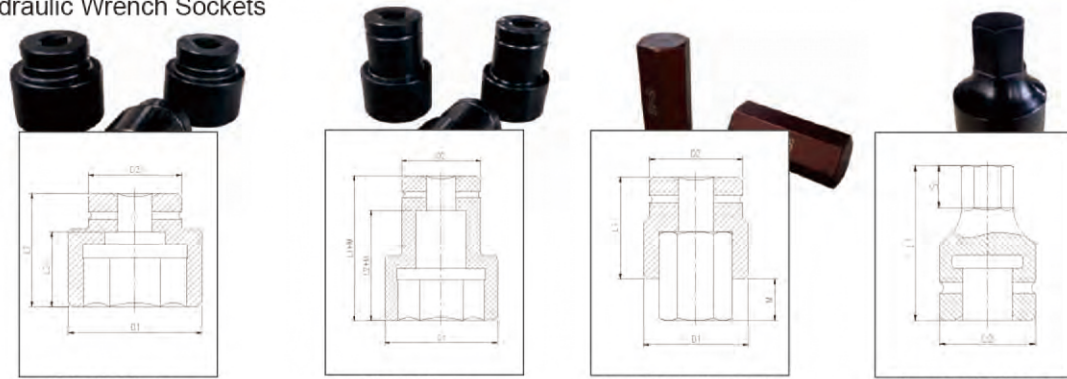
✧ 体积小、重量轻。
Small size and light weight.
- ✧ 更换拉杆方便
Easy to replace the tie rod

✧ 通用于石化行业工况
Commonly used in petrochemical industry conditions

型号 Model	螺栓直径 Bolt Diameter		最大载荷 Maximum Load	油压面积 Oil Pressure Area	重量 Weight	A	B	C	D	E	F
	Inch	mm	KN	mm ²	Kg	mm	mm	mm	mm	mm	mm
HLD1		16	226	1506	3. 5	73	24	110	74	45	49
	3/4	18	226	1506	3. 5	73	24	110	74	45	49
		20	226	1506	3. 5	73. 5	27	110	74	45	49. 5
	7/8	22	226	1506	3	73. 5	27	115	74	45	53
	1	24	226	1506	3	73. 5	30	125	78	45	58. 5
	1 1/8	27	226	1506	3	73. 5	32	130	78	45	63. 5
HLD2		30	455	3031	5	102	30	150	90	54	69
	1 1/4	33	455	3031	5	102	34	150	90	54	72
	1 3/8	36	455	3031	5	102	36	160	95	54	78
	1 1/2	39	455	3031	5	102	38	170	100	54	80
HLD3	1 1/2	39	803	5357	9	133	42	175	95	56	83. 5
	1 5/8	42	803	5357	9	133	42	185	100	56	92. 5
	1 3/4	45	803	5357	9	133	44	195	103	56	98
	1 7/8	48	803	5357	9	133	46	205	107	56	101
	2	52	803	5357	9	133	48	210	112	56	106
HLD4	1 7/8	48	1288	8591	15	163	50	205	105	58	108
	2	52	1288	8591	15	163	52	215	108	58	108
	2 1/4	56	1288	8591	15	163	54	235	117	58	118. 5
		60	1288	8591	15	163	54	238	120	58	127
	2 1/2	64	1288	8591	15	163	58	254	129	58	130. 5
HLD5	2 1/2	64	1978	13188	25	193	64	254	125	60	130. 5
		68	1978	13188	25	193	72	258	130	60	138
	2 3/4	72	1978	13188	25	193	72	258	130	60	143
	3	76	1978	13188	25	193	74	258	141	60	153

驱动型液压扳手套筒

Driving Hydraulic Wrench Sockets



单帽套筒 -D
Single cap socket -D

双帽套筒 -D
Double cap socket -D

外六角套筒 -LFB
Double cap socket -D

外六角套筒 -F
Outer six corner socket -F

* 高强度铬钼合金钢制造。
Manufacture of high strength Cr Mo alloy steel

* 采用标准热处理工艺，安全可靠·经久耐用。
The standard heat treatment process is safe, reliable and durable.

* 标准为公制套筒尺寸, 可定制英制套筒或各种非标套

筒。
The socket is standard metric size, and can be made into British or various non-standard size.

* 重载套筒标准 DIN3121/3129。
Heavy socket standard DIN3121 / 3129

螺栓规格 Bolt specification		3/4" (19×19)				1" (25, 4×25, 4)				1-1/2" (38×38)				2" (51×51)				2-1/2" (64×64)			
直径 M diameter	对边 S Opposite side	D1	D2	L1	L2	D1	D2	L1	L2	D1	D2	L1	L2	D1	D2	L1	L2	D1	D2	L1	L2
M16	24	42	42	50	27																
M20	30	48	44	54	31																
M22	34	52	44	54	31	52	52	58	30												
M24	36	54	44	57	34	55	55	61	33	74	74	76	34								
M27	41	60	44	60	37	63	55	64	36	74	74	79	37								
M30	46	66	44	68	45	70	58	68	40	74	74	82	40								
M33	50	71	44	70	47	75	64	71	43	81	81	85	43								
M36	55					81	66	76	48	87	87	90	48	100	100	97	48	115	115	118	54
M39	60					87	66	79	51	87	87	93	51	103	103	100	51	115	115	118	54
M42	65					92	68	82	54	97	87	96	54	105	105	104	54	120	120	118	54
M45	70					97	75	85	57	102	87	99	57	112	112	107	57	120	120	121	57
M48	75					102	75	91	63	112	87	105	63	119	119	113	63	128	128	127	63
M52	80					108	75	95	67	118	95	109	67	123	123	117	67	130	130	131	67
M56	85					116	78	99	71	123	95	114	72	127	127	122	72	132	132	136	72
M60	90									128	98	118	76	132	115	126	76	139	139	140	76
M64	95									133	98	124	82	138	115	132	82	145	145	145	82
M68	100									139	102	128	86	138	115	136	86	153	142	150	86
M72	105									145	102	132	90	148	115	140	90	160	142	154	90
M76	110									150	105	136	94	154	120	146	96	166	142	160	96
M80	115									155	110	150	105	159	120	150	100	173	142	164	100
M85	120													165	125	155	105	180	142	169	105
M90	130													177	125	160	110	190	160	174	110
M95	135													182	130	165	115	195	160	179	115
M100	145													194	135	175	125	210	160	189	125
M105	150																	215	170	200	130
M110	155																	223	170	210	135
M115	165																	230	170	220	140
M120	175																	240	170	235	155

液压扭矩扳手的選擇

Selection of hydraulic torque wrench

一、扭矩的确认

1. Confirmation of torque

参考图纸要求找出螺栓的扭矩值为多少, 对螺栓所需扭矩不清楚, 请参照“螺栓及螺母最大扭矩推荐值”查找相应的扭矩值。
Reference paper requires to find out the value of bolt torque, if bolt torque is not clear, please refer to the "bolt and nut maximum torque recommended value" to find the corresponding torque value.

二、空间的考虑

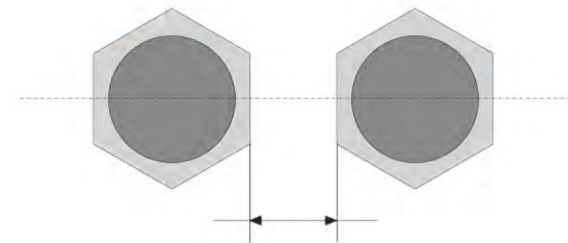
2, space considerations

由于使用现场按住位置的限制，注意选择扳手使用空间的位置。如图

Due to the restriction on the position of the field, choose the location of the wrench's space. As a picture.

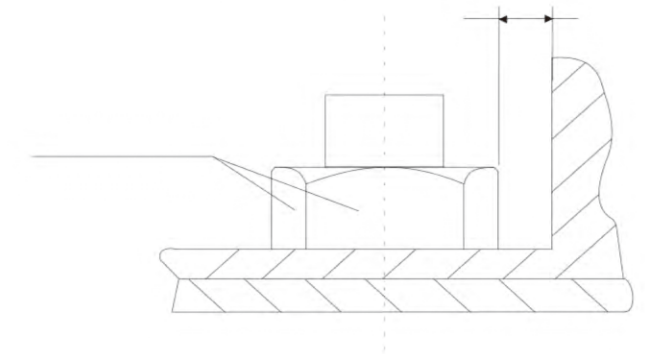
1、螺栓间距小

Small bolt spacing.



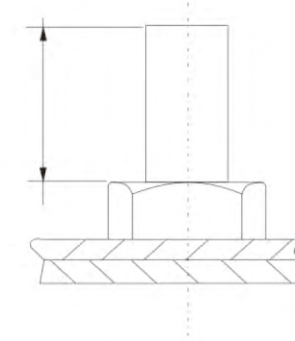
2、螺栓（螺母）与设备板壁太过于接近

The bolt (nut) is too close to the equipment wall.



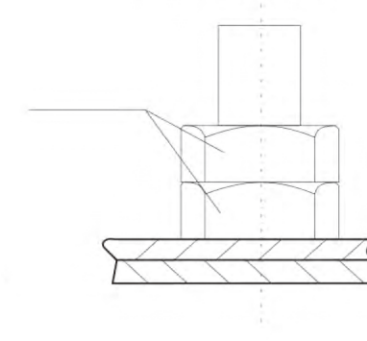
3、螺栓太长

The bolt is too long



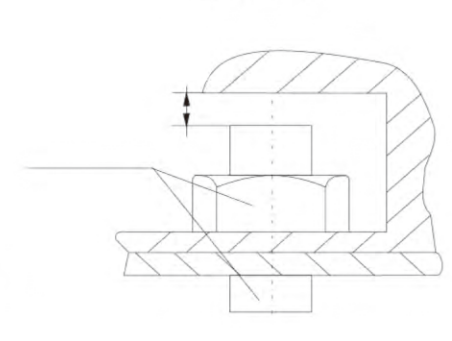
4、螺栓有双螺母

Bolts have double nuts.



5、高度空间矮小

Short height space



以上的情况，驱动型无法工作时就需要选中空液压扳手，他独特之处在于可将扳手分为两部分：工作头部分和动力头部分，同型号动力头不变，工作头在该型号范围内，可通过更换工作头来实现拆装大小不同规格的螺栓。另外，也可以在一个规格中加装变径改变其六角对边大小来实现拆装不同规格的螺栓。

In the above case, when the driving type is not work, it needs to select the hollow hydraulic wrench. Its unique feature is that the wrench can be divided into two parts: the working head and the power head, the same type of power head is unchanged, the working head in this type of range, can be replaced by the working head to achieve the disassembly of bolts of different sizes: It can also be installed in a specification to change the hexagonal diagonal size to achieve the disassembly of bolts of different specifications.

力矩放大器(加力扳手)

Torque Amplifier (Afterburner Wrench)

力矩放大器是在发电厂电力检测及各工业行业生产检修安装现场，紧固和拆卸大直径螺栓螺母相当困难，尤其在操作人员难以施工的环境中(如设备周围空间较小，无法使用加力杆及各类特种扳手等)，综合国内外先进技术研制成功力矩放大扳手，可帮您从根本上解决这一难题。力矩放大器、力矩倍增器、反力臂支爪(反作用脚)套筒扳头组成，操作人员只需施加很小的力，即可得到4-70倍的输出力矩，从而轻捷的完成螺栓螺母的紧固拆卸工作。每套配有铝合金提箱。

Torque amplifiers are used in power plant power inspection and production, maintenance and installation sites in various industrial industries. It is quite difficult to fasten and disassemble large-diameter bolts and nuts, especially in environments where it is difficult for operators to construct (for example, the space around the equipment is small, and afterburners cannot be used. and all kinds of special wrenches, etc.), the torque amplification wrench has been successfully developed by integrating advanced technology at home and abroad, which can help you fundamentally solve this problem. It is composed of torque amplifier, torque multiplier and reaction arm claw (reaction foot) socket wrench. The operator only needs to apply a small force to obtain 4-70 times the output torque, so as to easily complete the bolt and nut Fastening and dismantling work. Each set comes with an aluminum alloy carrying case.



型号 Model	适用螺栓直径 Applicable bolt diameter	适用螺母对边尺寸 Applicable nut size	型号 Model	MDS -15	MDS -20	MDS -35	MDS -55	MDS -75	MDS -100	MDS -150	MDS -200
MDS-15	M20-M30	S30-46	D mm	85	78	86	96	112	134	146	146
MDS-20	M22-M36	S32-55	H mm	130	158	184	190	201	285	305	325
MDS-35	M30-M45	S46-70	h mm	34	78	91	91	103	79.5	97	108
MDS-55	M36-M52	S55-80	输入方轴 Input square shaft(mm)	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
MDS-75	M42-M60	S65-90	输出方轴 Output square shaft(B)	25	25	30	35	40	50	55	60
MDS-100	M52-M72	S80-105	传动比 gear ratio	4.8	17	20	23.4	25.8	67.5	74.8	96.8
MDS-150	M60-M80	S90-115	重量 Weight(kg)	2.6	3.9	5.5	7.5	10	17	25	31
MDS-200	M72-M95	S105-135	扭矩值 Torque value(Nm)	1500	2000	3500	5500	7500	10000	15000	20000

大功率液压扭力扳手

High power hydraulic torque wrench

随着我国机械制造业的技术水平的不断提高，为确保产品质量，许多设备和设施已经并将日益广泛的采用高强度螺栓，并对螺栓的紧固的预紧力矩提出严格的要求，尤其是承受重载荷及强烈冲击振动的重型机械设备就更为重要，为了提高螺纹联接质量及可靠性，精确地控制高强度螺栓联接的预紧力矩，本厂科技人员综合应用国内外先进技术，研制成功液压扭矩扳手，可帮助您解决这一难题。

液压扭矩扳手是帮助您装、拆螺栓、螺母，同时能比较准确的控制拧紧扭矩的理想工具，它广泛适用于冶金、电力、化工、机械、通信等行业的机械设备和设施，重要螺栓联接的安装及拆卸维修，能方便快捷地完成您的装拆螺栓任务，同时可有效地保证您所需的扭矩值。

With the continuous improvement of the technical level of my country's machinery manufacturing industry, in order to ensure product quality, many equipment and facilities have adopted and will increasingly widely use high-strength bolts, and put forward strict requirements for the tightening torque of bolts, especially Heavy-duty machinery that bears heavy loads and strong shock and vibration is even more important. In order to improve the quality and reliability of threaded connections, and to precisely control the pre-tightening moment of high-strength bolted connections, our technicians comprehensively applied domestic and foreign advanced technologies to successfully develop Hydraulic torque wrenches can help you solve this dilemma.

Hydraulic torque wrench is an ideal tool to help you install and remove bolts and nuts, and at the same time can control the tightening torque more accurately. Installation and disassembly maintenance can quickly and easily complete your bolt assembly and disassembly tasks, while effectively ensuring the torque value you need.



型号 Model	油缸最大压力 MPa Cylinder max. pressure	油缸直径 mm Cylinder diameter	最大工作扭矩 N.m Max. working torque	液压缸行程套筒转角 Hydraulic cylinder stroke sleeve angle	扳手适用螺纹范围（粗牙） Applicable thread range of wrench (coarse thread)
NJS-1	63	40	9954	36 °	M20-M30
NJS-2	63	45	12600	36 °	M30-M48
NJS-3	63	45	14868	34 °	M48-M56
NJS-4	63	65	41391	34 °	M64-M80
NJS-5	63	65	41391	30 °	M90-M100