



Torque Tools

扭矩工具



HighReach Measuring&Controlling System Co., Ltd.

陕西恒瑞测控系统有限公司

<http://www.hr-tool.cn>

Company Profile

公司简介

HighReach Measuring&Controlling system Co., Ltd is the leading manufacturer and exporter of torque tools in China. We manufacture and supply the most reliable and comprehensive torque solutions, which include mechanical torque wrenches, torque screwdrivers, torque multipliers, hydraulic torque wrenches, pumps, dial indicating torque wrenches and a number of torque-related products.

HighReach has been growing rapidly over the past 10 years. Our staffs are all well-educated, trained and experienced to provide continued services. We have developed an impressive list of satisfied customers, located in the North and South America, Europe and Asia, by providing them with the high quality torque solutions at a competitive price, delivering their orders on schedule and supplying them with excellent after-sales service. Meanwhile, we established good business relationships with the customers from the U.S.A, Australia, Canada, Mexico, Russia, Chile, Middle East, South Africa and so on.

HighReach regards reaching higher Standard, higher Requirement and higher Quality to satisfy customers requirements as our credo. We welcome new and regular customers to contact us for future business relationships and mutual success.

陕西恒瑞测控系统有限公司专注于研发、生产压力传感器、智能变送器以及液压扳手、数显扳手、倍增器、检定仪等各类扭矩工具。“HighReach”牌系列扭矩工具以其精度高、性能稳定、操作方便、服务周到等特点，被广泛运用于航天、航空、船舶、电力、水利、化工、汽车、铁路等领域，产品远销美国、加拿大、俄罗斯、南美、东南亚等数十个国家和地区，深受国内外客户的青睐！

公司拥有一支技术过硬、经验丰富的创新型研发和生产团队，注重融合同行业最前沿的生产技术，与西北工业大学、北京航天二院、中国航天空气动力技术研究院、中航工业西安飞机工业(集团)有限责任公司、中航工业陕西飞机工业(集团)有限公司等多家机构建立着广泛长期的技术交流与合作关系，保持雄厚的技术储备和开发能力；继往开来，我们将再接再厉，努力将“HighReach”牌系列产品打造成国内一流、世界著名的流体测量和扭矩测量专家。



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MTW Series Mechanical Torque Wrench

MTW 系列机械扳手

MTW系列 机械扳手分为公制式(MTW-P)和英制式 (MTW-I), 扭矩范围从1N.m~ 3000N.m,预置范围广, 扳手头部可根据客户的要求随意更换开口头和棘轮头。680N.m以上扳手, 套筒采用分体连接。



Our Mechanical Torque Wrenches have two types: MTW-P series Metric Type and MTW-I series Inch Type. The torque value covers from 1N.m to 3000N.m. The head can be replaced with Ratchet Heads, Ring Ends, Open Ends, etc. The sleeve of wrench for above 680N.m is designed by separate connection.

MTW-P Series Torque Wrench in Metric

MTW-P公制系列扭矩扳手

Model 型号	Range 设定范围 (N.m)	Gradation 分度值 (N.m)	Total Length 总长 (mm)	Arms of Force 有效力臂 (mm)	Weight 重量 (Kg)	Square Drive 方榫尺寸 (mm)	Open End Size 开口公称尺寸 (mm)
MTW-P-5	1-5	0.05	187	120	0.18	6.3	5-27
MTW-P-10	3-10	0.1	200	140	0.2	10	
MTW-P-22.5G	5-22.5	0.25	255	190	0.44	10	
MTW-P-25	5-25	0.2	190	140	0.28	10	8-32
MTW-P-50G	15-50	0.5	307	240	0.45	10	
MTW-P-60	10-60	0.5	307	240	0.45	10	
MTW-P-100G	30-100	1	420	350	0.84	12.5	12-36
MTW-P-180G	50-180	1	530	430	1.48	12.5	
MTW-P-200	50-200	1	580	480	1.73	12.5	
MTW-P-230G	70-230	1	670	580	1.85	12.5	24-55
MTW-P-300B	90-300	1.5	680	575	2.6	20	
MTW-P-360	90-360	1.5	680	575	2.6	20	
MTW-P-400B	120-400	2	780	675	3.18	20	
MTW-P-450	75-450	2.5	780	675	3.18	20	
MTW-P-500B	125-500	2.5	890	788	3.3	20	
MTW-P-600	150-600	2.5	890	788	3.3	20	
MTW-P-680G	200-680	4	1098	990	6.8	20	
MTW-P-760	200-760	4	1098	990	6.8	20	36-85
MTW-P-800	200-800	4	1098	990	6.8	20	
MTW-P-1000	300-1000	5	1300	1180	7.6	25	
MTW-P-1200	400-1200	8	1530	1410	8.5	25	
MTW-P-1500	460-1500	8	1530	1410	8.5	25	
MTW-P-2000A	720-2000	8	1320	1200	7.6	25	
MTW-P-3000A	1000-3000	10	1500	1368	25	25	

MTW-I Series Torque Wrench in Inch

MTW-I 英制系列扭矩扳手

Model 型号	Range 设定范围 (lbf.in/lbf.ft)	Gradation 分度值	Unit 单位	Total Length 总长 (mm)	Arms of Force 有效力臂 (mm)	Weight 重量 (Kg)	Square Drive 方榫尺寸 (mm)	Open End Size 开口公称尺寸 (mm)
MTW-I-5EI	10-50	0.5	lbf.in	187	120	0.18	6.3	5, 5.5, 6, 7, 8-22
MTW-I-10EI	20-100	1	lbf.in	200	140	0.2	10	
MTW-I-22.5E	5-20	0.15	lbf.ft	255	165	0.28	10	
MTW-I-22.5EI	40-200	2	lbf.in	225	165	0.28	10	8, 9, 10, 11, 12-24
MTW-I-50E	10-40	0.3	lbf.ft	307	240	0.45	10	
MTW-I-50EI	120-400	4	lbf.in	307	240	0.45	10	
MTW-I-100E	20-80	0.6	lbf.ft	420	350	0.84	12.5	12, 13, 14, 15, 16-26
MTW-I-100EI	240-800	8	lbf.in	420	350	0.84	12.5	
MTW-I-180E	35-140	0.5	lbf.ft	530	430	1.48	12.5	15, 16, 17, 18, 19-36
MTW-I-230E	50-170	0.5	lbf.ft	670	530	1.85	12.5	
MTW-I-300E	50-200	1	lbf.ft	680	575	2.6	12.5	24, 25, 26, 27, 28-32, 34, 36, 38, 41, 46
MTW-I-400E	90-300	1.5	lbf.ft	890	788	3.18	20	
MTW-I-500E	100-400	2	lbf.ft	890	788	3.3	20	
MTW-I-680E	150-600	3	lbf.ft	1098	980	6.8	20	36, 38, 41, 46, 50, 55, 60, 65, 70, 75
MTW-I-1000E	200-750	5	lbf.ft	1300	1180	7.5	25	
MTW-I-1200E	300-900	6	lbf.ft	1530	1410	8.5	25	
MTW-I-2000E	500-1500	10	lbf.ft	1830	1710	13	25	
MTW-I-3000E	600-2250	7.5	lbf.ft	1500	1360	25	25	

MTW-D Series Torque Wrench

MTW-D 双标尺系列机械扳手



Model 型号	Range 设定范围 (N.m)	Other Range 其他单位	Square Drive 方榫 (inch)	Total Length 总长 (mm)	Weight 重量(Kg)
MTW-D-20	2-20	None	1/4"	210mm	0.25
MTW-D-25	5-25	45-255Kgf.cm	3/8"	270mm	0.56
MTW-D-110	20-110	1.02-10.2Kgf.m	3/8"	370mm	0.84
MTW-D-210	42-210	4.3-21.4Kgf.m	1/2"	455mm	1.34
MTW-D-350	70-350	8-35.7Kgf.m	1/2"	630mm	2.38

MTW-S Digital Display Adjustable Torque Wrench

MTW-S 跳脱式数显扭矩扳手



Model 型号	Torque Range&Unit 扭矩范围和单位					Square Drive 方榫 (inch)	Total Length 总长 (mm)	Weight 重量(Kg)
	N.m	lbf.ft	ln.LB	Kgf.m	Kgf.cm			
MTW-S-25	5-25	4-18	45-225	0.5-2.5	50-250	3/8"	390	1.14
MTW-S-50	10-50	8-36	90-450	1-5	100-500	3/8"	390	1.14
MTW-S-100	20-100	15-75	180-900	2-10	200-1000	1/2"	390	1.16
MTW-S-200	40-200	30-150	360-1800	4-20	400-2000	1/2"	460	1.47
MTW-S-300	60-300	40-220	500-2500	6-30	600-3000	1/2"	550	1.30
MTW-S-340	70-340	50-250	600-3000	7-34	700-3400	1/2"	550	1.30

MTW-G Series Mechanical Rebar Torque Wrench

MTW-G 系列机械钢筋扭矩扳手



Ferroconcrete, for its advantage of durability and plasticity, is widely used in civil & industrial construction as well as road, bridge, tunnel, mine, hydraulic engineering and ocean engineering, etc. There are two connection ways to the rebar of ferroconcrete.

One is welded connection which is gradually abandoned, the other is threaded connection, with advantage of fast speed, high reliability and high efficiency. The MTW-G series mechanical rebar torque wrench can accurately control the torque value of the threaded connection and is an ideal tool for the rebar threaded connection.

钢筋混凝土以其可模性，耐久性等优点被广泛应用于民用和工业建筑以及公路、桥梁、隧道、矿井、水利工程、海洋工程等领域。钢筋混凝土的钢筋连接有两种方式，一种是逐渐淘汰的焊接连接，另一种是螺纹连接。螺纹连接具有速度快、可靠性高，施工高效的特点，MTW-G系列机械钢筋扭矩扳手可精确控制钢筋螺纹连接扭矩值，是钢筋螺纹连接的理想工具。

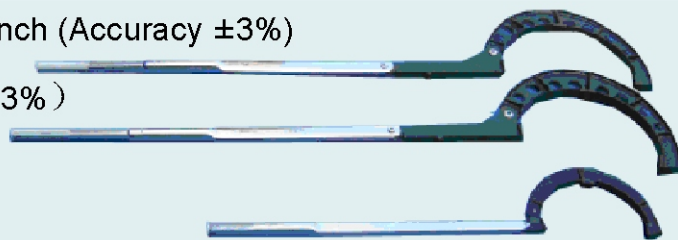
Model 产品型号	Torque Range 扭矩值范围	Rebar Dia. 紧固钢筋规格	Torque Value 紧固扭矩值	National Standard 执行国家标准
MTW-G-360	90~400（N.m）	Φ16	100N.m	JGJ107-2010
		Φ18	200N.m	
		Φ20		
		Φ22	280N.m	
		Φ25		
		Φ28	320N.m	
		Φ32		
		Φ36	360N.m	

Product Features:

- 1.Special double windows adjustment. It can reach the best accuracy of the torque value by the help window, avoiding the errors caused by the manual adjustment. The minimum torque value can reach 1 N.m.
- 2.Easy operation. It will alarm when it reaches the tightening torque value, avoiding the overload or insufficient.

产品特点:

1. 特有的双视窗调节，避免了手动调节的人为误差，通过辅助视窗来达到最佳精度效果，最小扭矩值可以精确到1N.m;
2. 使用操作简单，当达到紧固的扭矩值后具有清亮的报警提示，避免扭矩值过载和紧固不到位的弊端。

MTW-S Series Carbon Electrode Torque Wrench (Accuracy $\pm 3\%$)MTW-S 系列石墨电极扭矩扳手（精度 $\pm 3\%$ ）

In smelting industry, the connection quality of inter-electrode directly affects the energy efficiency of electric arc furnaces and the normal running furnace. In order to keep the good condition of electrodes, the positive torque control of carbon electrodes is very important when you install and replace the carbon electrode. The MTW-S Series Carbon Electrode Torque Wrench ends the history of relying on skills or experience in installation and replacement and ensures the safety, high efficiency and low cost operation for smelting industry.

在冶炼行业，石墨电极间的连接质量直接影响电弧炉能源利用的效率和正常的熔炼工作，为了保证电极具有良好的使用状态，在石墨电极的安装和更换时，控制扭矩的大小非常重要，我公司生产的MTW-S系列石墨电极扭矩扳手结束了以往冶炼行业中安装和更换石墨电极时靠技术、靠经验的历史，为冶炼行业安全操作、高效操作、低成本操作提供了可靠的保证需求。

Model 产品型号	Electrode Dia. 适用电极直径	Max Torque Value 扭矩值	Electrode Dia. (inch) 英制电极直径
MTW-S-150	Φ150	150N.m	6
MTW-S-220	Φ200	220N.m	8
MTW-S-420	Φ250	420N.m	10
MTW-S-580	Φ300	580N.m	12
MTW-S-800	Φ350	800N.m	14
MTW-S-1200	Φ400	1200N.m	16
MTW-S-1500	Φ450	1500N.m	18
MTW-S-1900	Φ500	1900N.m	20
MTW-S-2300	Φ550	2300N.m	22
MTW-S-2600	Φ600	2600N.m	24
MTW-S-3000	Φ650	3000N.m	26
MTW-S-3600	Φ700	3600N.m	28

Product Features:

1. Labor-saving with special lengthening handle.
2. Exquisite appearance, abrasion resistance, scratch resistance.
3. Special clamping structure with features of higher gripping strength, antiskid and reliable clamping prevents the damage of carbon electrodes.

Non-standard products could be customized according to electrode size requirements.

产品特点：

1. 配置专用加长手柄，操作省力；
2. 外观精美，耐磨耐划；
3. 夹持石墨电极采用特殊结构，抓紧力大，防滑，夹持可靠，不会损坏石墨电极；可根据用户的电极尺寸进行非标设计。

GTW Series Dial Indicating Torque Wrench(Accuracy $\pm 3\%$)GTW系列 指针式扭矩扳手(精度 $\pm 3\%$)

GTW Series Dial Indicating Torque Wrench is one of high quality, high accuracy and ergonomic products. It is a measuring tool and the torque value is indicated by the dial. It consists of plate-body, elastic part, amplifier, indicator and memory parts. With the features of high accuracy, reliable performance, easy using, and long life, it is widely used in aviation, aerospace, shipping, automobile, motorcycle, precise machinery, electric power, engine, inner-engine, etc.

GTW 系列指针式扭矩扳手是一种高品质, 高精度, 追求人机功效的新型扭矩计量器具, 可将测量的扭矩值直观的在表盘上指示出来. 由扳体、弹性原件、放大机构、显示机构、记忆机构五部分组成, 有精度高、性能可靠, 使用方便、使用寿命长等特点。主要使用于航天、航空、船舶、汽车、精密机械、电力、发动机、内燃机等行业.



Model 型号	Torque Range 扭矩范围 N.m	Gradation 分度值 N.m	Length 总长 mm	Square Drive 方榫 mm	Weight 重量 Kg
GTW1.5A	0.2~1.5	0.02	215	6.3	0.4
GTW3A	0.3~3	0.05	215	6.3	
GTW6A	0.6~6	0.1	215	6.3	
GTW12A	1~12	0.2	215	6.3	
GTW25A	3~25	0.5	250	10	0.6
GTW50A	5~50	0.5	332	10	
GTW100A	10~100	1	380	12.5	0.7
GTW200A	20~200	2	470	12.5	1
GTW280A	30~280	5	665	20	1.7
GTW420A	40~420	5	890	20	2.5
GTW560A	50~560	5	1100	20	4
GTW700A	70~700	10	1258	20	5.5
GTW850A	100~850	10	1360	25	6.1
GTW1000A	100~1000	10	1490	25	6.4

HRJ Series Ratchet Wrench

HRJ系列棘轮扳手

HRJ-13 Series Ratchet Wrench

HRJ-13 系列棘轮扳手



Model 型号	Square Drive 方榫(inch)	Surface Treatment 表面处理	Material 材质
HRJ-13-1	1/4	Matt Chrome Plating /Bright Plating Chrome 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-13-2	3/8	Matt Chrome Plating /Bright Plating Chrome 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-13-3	1/2	Matt Chrome Plating /Bright Plating Chrome 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢

HRJ-14 Series Ratchet Wrench

HRJ-14系列棘轮扳手



Model 型号	Square Drive 方榫(inch)	Surface Treatment 表面处理	Material 材质
HRJ-14-1	1/4	Matt Chrome Plating /Bright Plating Chrome 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-14-2	3/8	Matt Chrome Plating /Bright Plating Chrome 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-14-3	1/2	Matt Chrome Plating /Bright Plating Chrome 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢

HRJ-15 Series Ratchet Wrench

HRJ-15系列棘轮扳手



Model 型号	Square Drive 方榫	Surface Treatment 表面处理	Material 材质
HRJ-15-1	1/4×12	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-15-2	3/8×14	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-15-3	3/8×15	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-15-4	3/8×16	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-15-5	1/2×14	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-15-6	1/2×16	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢
HRJ-15-7	1/2×18	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	Chrome-Vanadium Steel/Carbon Steel 铬钒钢/碳钢

HRJ-16 Series Ratchet Wrench HRJ-16系列棘轮扳手



Model 型号	Square Drive 方榫	Surface Treatment 表面处理	Material 材质
HRJ-016-1	1/4×6	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-2	3/8×8	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-3	3/8×10	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-4	3/8×11	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-5	1/2×10	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-6	1/2×12	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-7	1/2×15	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-8	1/2×18	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-016-9	1/2×24	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬

HRJ-17 Series Ratchet Wrench HRJ-17系列棘轮扳手



HRJ-17-3	3/8×10	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-17-4	3/8×11	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-17-5	1/2×10	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-17-6	1/2×12	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-17-7	1/2×15	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-17-8	1/2×18	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-17-9	1/2×24	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬

HRJ-18 Series Ratchet Wrench HRJ-18系列棘轮扳手



Model 型号	Square Drive 方榫	Surface Treatment 表面处理	Material 材质
HRJ-18-1	3/4×40	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-18-2	1/2×24	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬
HRJ-18-3	1×40	Matt Chrome Plating/Bright Chrome Plating 亚光镀铬/光亮镀铬	40Chrome 40铬

HRC-94 Pieces Manual Tools Kit

HRC-94手动组合工具



品名 Name	件数 pieces	规格 specification
12.5系列棘轮扳手 (12.5 series ratchet w/rench)	1	快速脱落葫芦柄、胶把 (quick off middle protrude handle, rubber handle)
6.3系列棘轮扳手 (6.3 series ratchet w/rench)	1	快速脱落葫芦柄、胶把 (quick off middle protrude handle, rubber handle)
12.5系列接杆 (12.5mm extension rod)	2	125、250mm
6.3系列接杆 (6.3mm extension rod)	2	75、150mm
12.5系列火花塞套筒 (12.5 series spark plug socket)	2	16、21mm
12.5系列万向接头 (12.5 series universal joint)	1	1/2"
6.3系列万向接头 (6.3 series universal joint)	1	1/4"
6.3系列软轴万向接头 (6.3 series soft-axle universal joint)	1	150mm
6.3系列滑行杆 (6.3 series slide clamp)	1	100mm
6.3系列旋杆 (6.3 series revolving bar)	1	150mm
12.5系列公制套筒 (12.5 series metric socket)	20	8、9、10、11、12、13、14、15、16、17、18、19、20、21、22、23、24、27、30、32mm
12.5系列公制长套筒 (12.5 series metric flank drive socket)	4	14、15、17、19mm
6.3系列公制套筒 (6.3 series metric socket)	13	4、4.5、5、5.5、6、7、8、9、10、11、12、13、14mm
6.3系列公制长套筒 (6.3 series metric flank drive socket)	8	6、7、8、9、10、11、12、13mm
6.3mm系列一字形旋具套筒 (6.3mm series slotted bit socket)	3	4、4.5、7mm
6.3mm系列十字形旋具套筒 (6.3mm series phillips bit socket)	2	1#、2#
6.3mm系列米字形旋具套筒 (6.3mm series pozidriv bit socket)	2	1#、2#
6.3mm系列花形旋具套筒 (6.3mm series torx bit socket)	6	T-8、T-10、T-15、T-20、T-25、T-30
6.3系列六角形旋具套筒 (6.3 series hex bit socket)	4	3、4、5、6mm
8mm系列一字形旋具套筒 (8mm series slotted bit socket)	3	8、10、12
8mm系列十字形旋具套筒 (8mm series phillips bit socket)	2	3#、4#
8mm系列米字形旋具套筒 (8mm series pozidriv bit socket)	2	3#、4#
8mm系列花形旋具头 (8mm series torx bit head)	4	T-40、T-45、T-50、T-55
8mm系列六角形旋具头 (8mm series hex bit head)	4	8、10、12、14mm
12.5系列旋具头 (接头) (12.5 series bit head adaptor)	2	1/2"*8mm 5*16"用于转接8mm旋具头 (1/2"*8mm 5*16"used to transit 8mm bit head)
12.5系列三用转接头 (12.5 series 3-way adapter)	1	1/8"方孔和1/2"方榫 (1/8" square hole and 1/2" square drive)
12.5系列三用转接头 (12.5 series 3-way adapter)	1	弹套 (elastic sleeve)

HRC-32B Series Manual Tools Kit

HRC-32B系列手动组合工具

品名 Name	件数 Pieces	Specifications 规格
12.5 series hexagonal sockets in metric 12.5系列公制六角套筒	26	8、9、10、11、12、13、14、14、15、16、17、18、19、20、21、22、24、26、27、28、30、32mm
12.5 series dodecagonal sockets in metric 12.5系列公制十二角套筒	6	10、12、14、15、17、19mm
12.5 series extension rod 12.5系列接杆	2	125、250mm
12.5 series universal joint 12.5系列万向接头	1	1/2"
12.5 series three joints 12.5系列三用接头	1	1/2"
12.5 series spark plug joints 12.5系列火花塞接头	2	16、21mm
12.5 series auto fall off ratchet wrench 12.5系列自动脱落棘轮扳手	1	φ18



HRQZ-19 Air Wrench Tools Kit

HRQZ-19气动扳手（组合工具）



件数 pieces	品名/规格 Name/Specifications
1	气动棘轮 air ratchet
1	旋具头夹具 screwdriver bit fixture
1	万向接头 universal joint
1	3"接长杆 3" extension bar
1	迷你注油壶 mini oiler
1	加油嘴 zerk fitting
3	螺丝批头 screwdriver bit
1	聚四氟乙烯密封件 PTFE sealing element
7	套筒: sockets 10、11、12、13、15、17、19
1	油罐 oil tank
1	压塑箱 molding box

HRQB-17 Air Wrench Tools Kit

HRQB-17气动扳手（组合工具）



件数 Pieces	品名/规格 Name/Specifications
1	1/2"气动冲击扳手 1/2" pneumatic impact wrench
1	1/2"气动棘轮扳手 air ratchet wrench
1	迷你注油壶 mini oiler
1	油罐 oil tank
1	六角键扳手 hex key wrench
1	加油嘴 zerk fitting
10	套筒: 10、11、12、13、15、17、19 Sockets: 10、11、12、13、15、17、19
1	塑料携带盒 plastic casing

DTW Series Digital Torque Wrench

DTW 系列数显扭矩扳手



DTW Series Digital Torque Wrench adopts microprocessor digital technology, strain gauge sensor as its key part helps to achieve precise torque value, good stability and low power consumption.

DTW数显扭矩扳手采用微处理器数字化处理技术，核心是应变计传感器。该产品示值精确，性能稳定，耗电量小。

Function:

- Three working modes: value tracking, peak holding, over-torque alarming
- Three units (N.m, lbf.ft, lbf.in) interconversion
- Exchangeable head
- Lack voltage displaying, auto off if three minutes no use
- 300 sets of data memory, communicating with PC for calibrating and downloading

功能:

- 具有三种工作模式：示值跟踪，峰值保持，预值报警
- 三种单位 (N.m, lbf.ft, lbf.in) 相互转换
- 扳手头部可更换
- 低电压显示, 不使用时三分钟自动断电
- 可存储三百组数据, 可与计算机通讯, 实现校验和数据下载

Model 型号	Range 设定范围			Gradation 分度值		Square Drive 方榫	Arms of Force 有效力臂 L2	Total Length 总长	Weight 重量	
	N.m	lbf.ft	lbf.in	N.m	lbf.ft	lbf.in	mm	mm	mm	Kg
DTW10B	2-10	1.47-7.38	17.7-88.5	0.01		0.1	10	277	355	0.75
DTW20B	4-20	2.9-14.7	35.4-177	0.01		0.1	10	277	355	0.75
DTW50B	10-50	7.4-36.9	88.5-442.5	0.01		0.1	10	277	355	0.8
DTW100B	20-100	14.7-73.8	177-885	0.1		1	12.5	330	412	1.1
DTW200B	40-200	29.5-147.5	354-1770	0.1		1	12.5	400	485	1.4
DTW300B	60-300	44-221	530-2655	0.1		1	12.5	500	588	1.7
DTW500B	100-500	74-369	885-4425	0.1		1	20	710	798	3.45
DTW800B	160-800	117-590	1416-7080	0.1		1	20	800	1050	4.6
DTW1000B	200-1000	147-738	1770-8850	0.1		1	25	900	1150	7.5
DTW 2000B	400--2000	295--1475	3540--17700	0.1		1	25	1200	1425	10.2

TM Series Torque Multiplier

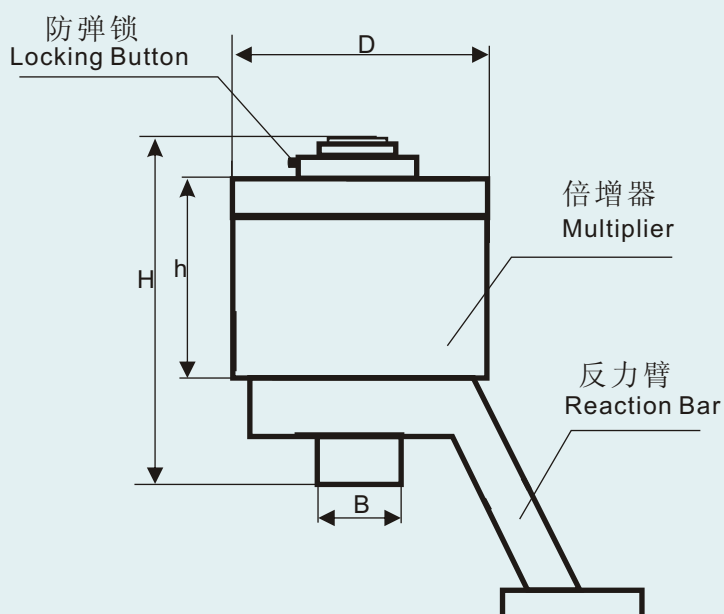
TM 系列扭矩倍增器

TM Series Torque Multiplier is a torque multiplying device. The gearing design allows for a high torque output with minimal input. It is applied to the difficult operation that other big wrenches can not complete. The operation is simple, and it saves the manpower.

TM系列扭矩倍增器是一种将力矩放大的装置，其传动机构使得机械扳手施加较小的扭矩便可以得到4-70倍的扭矩输出。适用于其他大扭矩扳手难以使用的场合，空间。其操作简单，节省人力。

TM-W Series Torque Multiplier

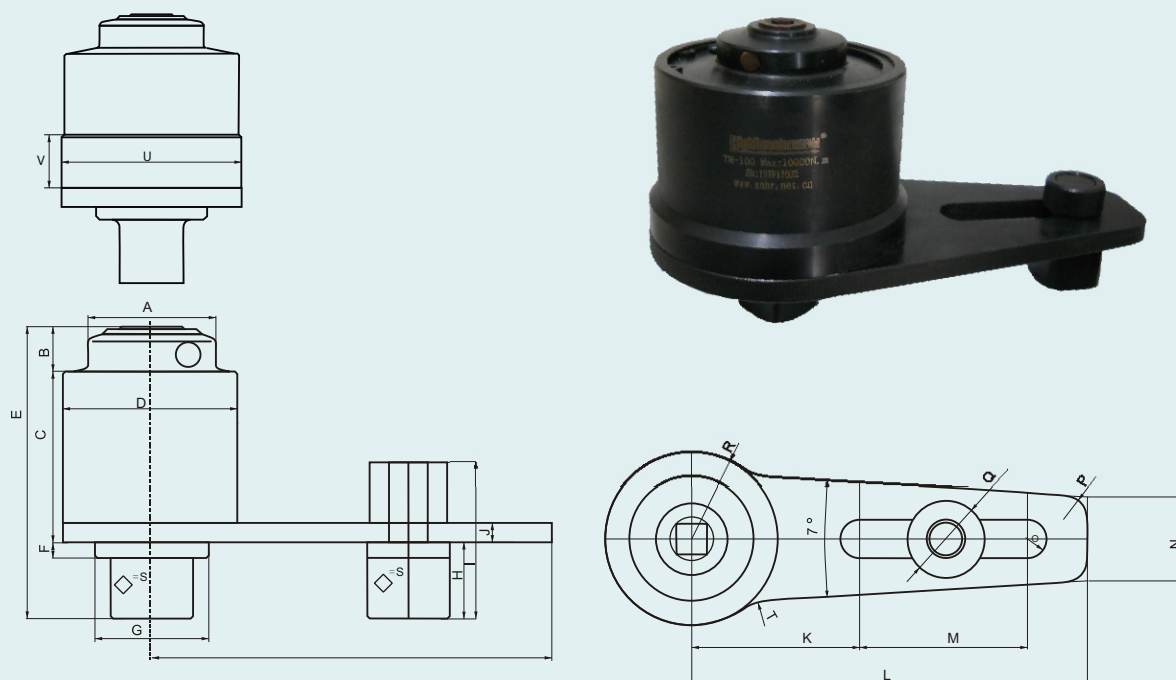
TM-W系列扭矩倍增器



Model 型号	TM-10W	TM-20W	TM-35W	TM-55W	TM-75W	TM-100F	TM-150F	TM-200F
D (mm)	80.5	80.5	96.5	117	121	—	—	—
H (mm)	88	105	163	187	195	—	—	—
h (mm)	49	76	94	107	107	—	—	—
Input Square Drive 输入方榫	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Output Square Drive (B) 输出方榫	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	2 1/2"
Torque Ratio 扭矩比	1: 4	1:13.7	1:17	1:21	1:24.3	1:29	1:61.2	1:67
Approx. Weight (kg) 重量	2.3	3.3	5.9	9.7	13	16	30	30
Max Torque Output (N.m) 最大扭矩输出	1000	2000	3500	5500	7500	10000	15000	20000

TM-F Series Torque Multiplier

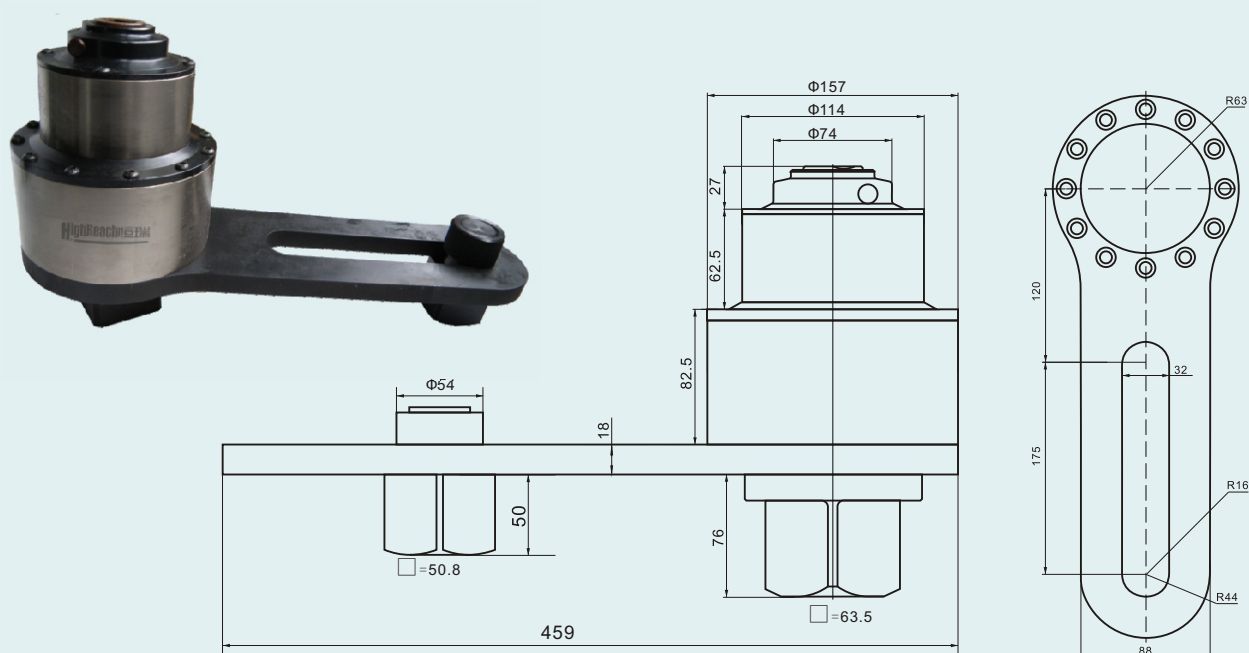
TM-F系列扭矩倍增器



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
TM-20F	52	18	71	72	121	6.5	47	32	65	9	70	165	70	35	8	10	32	36.5	1"	25	—	—
TM-35F	52	16.5	73	87	134	2.5	56	29.5	66.5	12	80	180	80	45	9	12	34	43.7	1"	25	—	—
TM-55F	62	22	80	104	160	7.5	66	45	78	11.5	95	210	90	55	11	15	38	53.5	1.5"	25	107	31
TM-75F	62	22	90	114	172	5.5	72	45	84	14	110	240	100	64	13.5	18	38	61	1.5"	30	122	37
TM-100F	70	24	102.5	142	195.5	17	102	45	87	16	130	275	110	76	15	20	43	71	1.5"	30	—	—

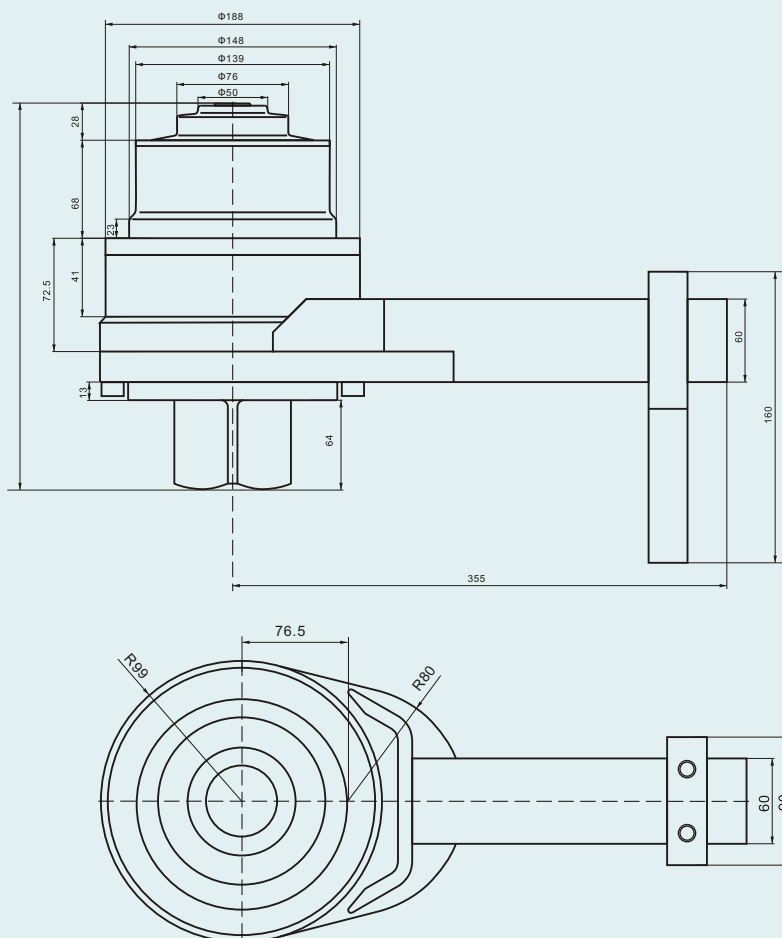
TM-150F Series Torque Multiplier

TM-150F扭矩倍增器



TM-200F Series Torque Multiplier

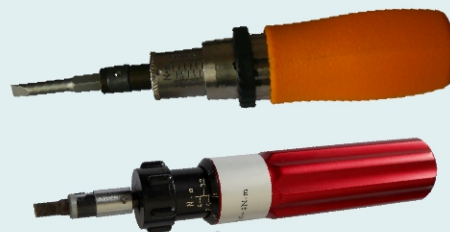
TM-200F 扭矩倍增器



TSD Series Torque Screwdriver

TSD 扭矩起子

TSD series torque screwdriver is an advanced tool with the function of presetting torque value and slipping alarm, specially for tightening the instrument, gauges, electromechanical devices, home appliances, etc. for which the tightening torque is highly required.



TSD系列扭矩起子结构先进，具有扭矩预置功能和打滑报警功能，是对紧固力矩有较高要求的仪器、仪表、机电设备、家用电器等产品进行螺纹连接而设计生产的专用工具

Model 型号	Range 设定范围 (N.m)	Gradation 分度值 (N.m)	Hex Bit Size 内六角公称尺寸 (mm)	Length 总长度 (mm)	Max. End 径向最大尺寸 (mm)	Weight 重量 (Kg)
TSD-1.2	0.2-1.2	0.1	6.3	120	30	0.15
TSD-2	0.4-2	0.1	6.3	186.5	35	0.15
TSD-4	0.8-4	0.2	6.3	186.5	35	0.25
TSD-6	1.2-6	0.3	6.3	186.5	35	0.4

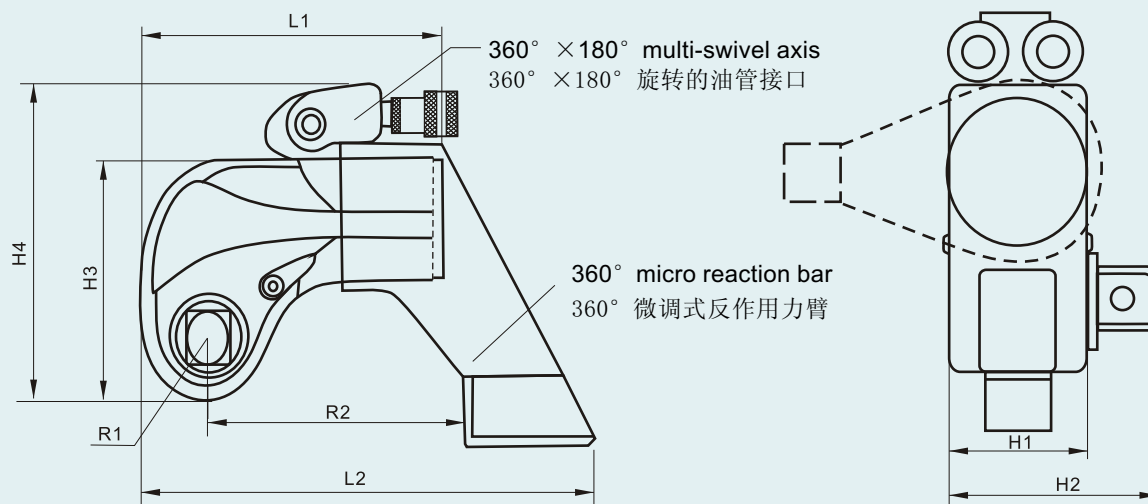
HTW Series Hydraulic Torque Wrench

HTW系列液压扳手

HTW-D Series Square Drive Hydraulic Torque Wrench

HTW-D 系列驱动式液压扳手

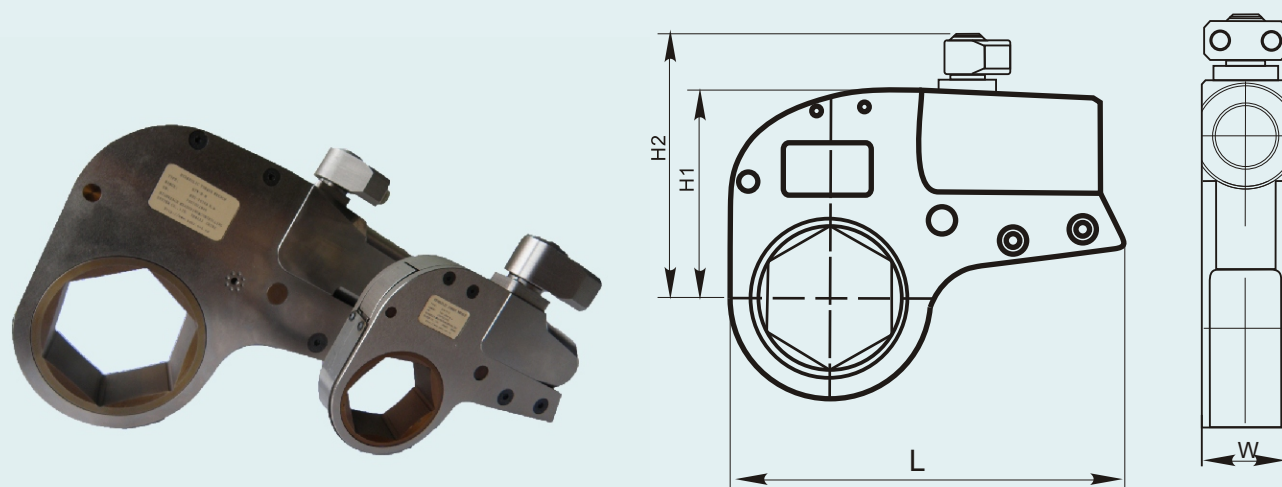
- Aluminum-titanium alloy and super high strength steel alloy with precise treatment on all components
- Innovatively designed for durability and boosting productivity
- 360 X 180 multi-swivel axis allows the hoses to adapt to new positions with ease
- Output accuracy: $\pm 3\%$
- 采用高科技航天材料，（铝钛合金）或超高强度合金。
- 独特的创新设计使得稳定性更强，效率更高。
- 可 $360^{\circ} \times 180^{\circ}$ 旋转的油管接头 无使用空间限制，自由操作。
- 精度高达 $\pm 3\%$ 。



Model 型号	HTW-D-1	HTW-D-3	HTW-D-5	HTW-D-8	HTW-D-10	HTW-D-20	HTW-D-25	HTW-D-35
Torque Range 扭矩范围(N.m)	194-1939	480-4605	768-7682	1100-11001	1583-15834	2721-27208	3542-36446	7320-50283
Nut 螺母范围(M)	16-36	16-36	27-56	30-64	36-72	42-90	48-100	64-120
Weight 重量(Kg)	2	4	7	9.1	13.1	25	31	45
L1	130	175	196	213	231	295	314	355
L2	182	244	273	308	336	443	464	489
H1	50	65.5	76	90	100	120	137	153
H2	72	95	120	130	141	182	200	217
H3	99	130	148	171	187	228	255	290
H4	144	172	191	216	230	268	295	330
R1	26	34	39	47	51	59	67	79
R2	99	130	152	171	174	250	251	271
Square Drive 驱动轴	3/4"	1"	1-1/2"	1-1/2"	1-1/2"	2-1/2"	2-1/2"	2-1/2"

HTW-H Series Low Profile Hydraulic Torque Wrench

HTW-H 系列中空液压扳手



- Aluminum-titanium alloy and super high strength steel alloy with precise treatment on all components.
- 360°×360°swivel hose connection
- Integrated cylinder head suitable for several ratchet links, with a wide application.
- Inclusive design, top safety
- Smart design for applying to different working places
- The Max torque value can be up to 250,000N.m
- 采用高科技航天材料（铝钛合金）或超高强度合金钢制造
- 360° ×360° 旋转接头，接近无油管设计
- 一体成型动力头，提高使用寿命；一只动力头可以配合多种工作头使用，工作范围广
- 包容设计，安全性最佳
- 轻、薄、短、小、扭力大，适应各种“高难度”空间
- 最大扭矩值可达25万N.m

Model 型号	HTW-H-2	HTW-H-4	HTW-H-8	HTW-H-14	HTW-H-18	HTW-H-30
Torque Range 扭矩范围(N.m)	180-1886	440-5328	892-10168	1558-17639	2431-23707	3528-41882
Hexagon Size Range 螺母范围 (mm)	27-50	27-65	50-90	65-115	75-135	80-155
Cylinder Weight 动力头重量(Kg)	1.2	1.9	3.3	5	5.8	9
Ratchet Link Weight 工作头重量 (Kg)	1.4	2.9	6.5	11.5	12.8	22
L	155	206	267	322	382	430
H1	128	149	194	225	247	282
H2	88	109	154	180	200	235
W	32	42	54	64	73	86

HTW-C Series Special Customized Hydraulic Torque Wrench

HTW-C 特殊定制液压扭矩扳手



Besides HTW-D square drive hydraulic torque wrench and HTW-H low profile hydraulic torque wrench, we can customize the hydraulic torque wrench according to the working environment on spot and technical parameters. The Max torque value can be up to 250,000N.m.

Features:

- Utmost meet the the customers' needs on working site
Adopting high strength metalwork, humanized design, working pressure up to 70Mpa
- High accuracy
Torque accuracy can be adjusted and the error is less than or equal to $\pm 3\%$
- Safety
Integrated body, except the socket driving screws, other moving part without exposure
- Economy
Our hydraulic torque wrench fits for assembling and disassembling all kinds screws and bolt
- Saving manpower, reducing workloads, improving work efficiency
- The matching pump (working pressure 7-70Mpa)

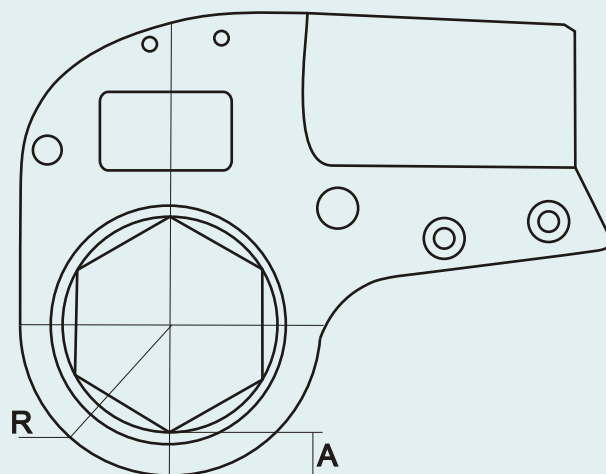
本公司除HTW-D驱动式液压扭矩扳手和HTW-H中空式液压扭矩扳手外，可根据现场工作空间要求及技术参数量身定做液压扭矩扳手, 最大扭矩值可达25万N.m

特点:

- 最大限度的满足客户的现场使用需要
采用高强度金属制造，人性化设计，工作压力高达70Mpa
- 高精度 扭矩精确可调，误差不超过 $\pm 3\%$
- 安全性 一体成型机身，除套筒带动螺母外，其他运动机械均不外露
- 经济型 本公司提供的液压扳手，适合各种规格的螺栓、螺母的拆装
- 节约劳动力，减轻工作强度、提高工作效率
- 与之配套的泵站工作压力范围（7-70Mpa）

Hexagon link table

中空扳手工作头厚度表



Hexagon size 螺母尺寸 (mm)	HTW-H-2		HTW-H-4		HTW-H-8		HTW-H-14		HTW-H-18		HTW-H-30	
	R	A	R	A	R	A	R	A	R	A	R	A
27	25	9.5										
32	28	9.5										
36	30.5	9.5										
41	33	9.5	37	13.5								
46	36	9.5	40	13.5								
50	38.5	9.5	42.5	13.5								
55			45.5	13.5	48	16.5						
60			48	13.5	52	17						
65			51	13.5	55	17						
70					57.5	17						
75					60.5	17						
80					63	17	67	20.5				
85					66	17	70	20.5				
90					69	17	72.5	20.5				
95							75.5	20.5				
100							78	20.5	81	23		
105							82	21	84	23.5		
110							85	21.5	87	23.5	91	27
115							88	21.5	90	23.5	93	27
120									93.5	24	96.5	27
130									99	24	102	27
135									102	24	105	27
145											112	28
155											117.5	28

TWC Series Torque Calibrator

TWC 系列扭矩检定仪

TWC-W-B Portable Torque Wrench Calibrator (Accuracy $\pm 1\%$, Optional $\pm 0.3\%$)

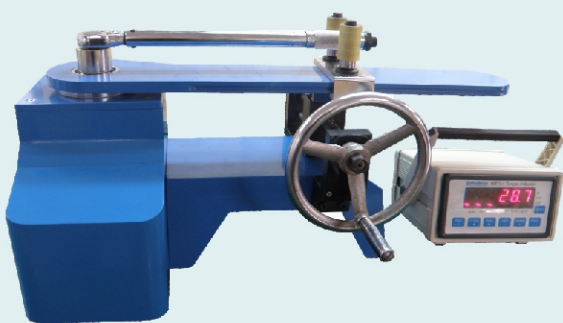
TWC-W-B 便携式扭矩扳手检定仪 (精度 $\pm 1\%$, 可选 $\pm 0.3\%$)

Model 型号	Range 量程 (N.m)	Square Drive Hole 方榫孔 (mm)
TWC-W-2B	0.2~2	6.3
TWC-W-10B	1~10	6.3/10
TWC-W-100B	10~100	12.5
TWC-W-200B	20~200	12.5
TWC-W-300B	30~300	12.5/20
TWC-W-500B	50~500	20



TWC-SG Screw-Driven Type Loading Calibrator (Accuracy $\pm 1\%$, Optional $\pm 0.3\%$)

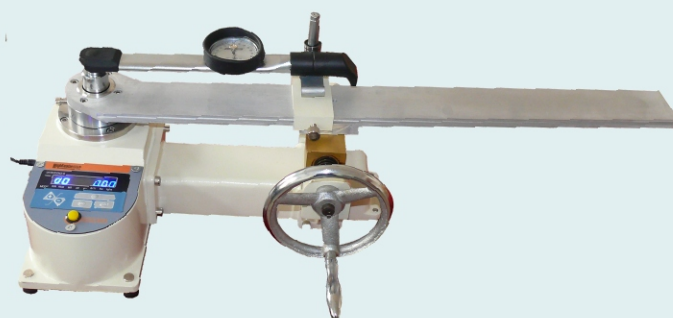
TWC-SG 丝杠式加载检定仪 (精度 $\pm 1\%$, 可选 $\pm 0.3\%$)



Model 型号	Range 量程 (N.m)	Square Drive Hole 方榫孔 (mm)
TWC-SG2	0.2~2	6.3
TWC-SG10	1~10	6.3/10
TWC-SG100	10~100	12.5
TWC-SG200	20~200	12.5
TWC-SG300	30~300	12.5/20
TWC-SG500	50~500	20

TWC-JN Torque Wrench Calibrator (Accuracy $\pm 1\%$)

TWC-JN 扭矩扳手检定仪 (精度 $\pm 1\%$)



Model 型号	Range 量程 N.m	Square Drive Hole 方榫尺寸 (mm)	Dimension 外形尺寸 (mm)			Weight 重量 (Kg)
			Length长	Width宽	Height高	
TWC-JN-20	2~20	9.5	512	265	225	11.2
TWC-JN-50	5~50					
TWC-JN-100	10~100	12.7	690	325	280	12
TWC-JN-200	20~200	12.7	690	325	280	13
TWC-JN-300	30~300	19	775	325	280	25.2
TWC-JN-500	50~500	19	1145	400	310	26
TWC-JN-1000	100~1000	25.4	1800	515	365	48

TWC-W-P Rotary Type Loading Calibrator (Accuracy $\pm 1\%$, Optional $\pm 0.3\%$)

TWC-W-P 旋转式加载检定仪 (精度 $\pm 1\%$, 可选 $\pm 0.3\%$)

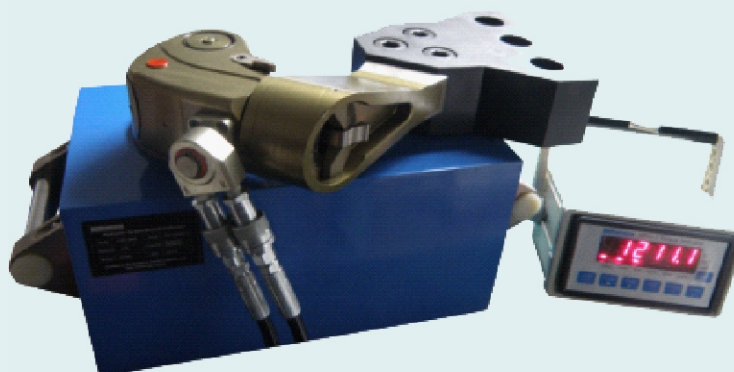


(1000-3000N.m)

Model 型号	Range 量程		Square Drive Hole 方榫孔(mm)
	N.m	lbf.ft	
TWC-W-1000P	100~1000	73.8~738	19/25
TWC-W-2000P	200~2000	147.0~1470	19/25
TWC-W-3000P	300~3000	221.4~2214.0	19/25

TWC-H Hydraulic Torque Wrench Calibrator (Accuracy $\pm 1\%$)

TWC-H 液压扳手检定仪 (精度 $\pm 1\%$)



Model 型号	Range 量程 (N.m)	Weight 重量 (Kg)	Hole 套筒孔		Remark 备注
			Square Drive 方榫 (mm)	Square Drive Hole 方榫孔 (mm)	
TWC-H-1000	100~1000	55	25	25	可根据液压扳手实际尺寸定制反力加载装置 The reaction force device can be customized according to the actual dimension of hydraulic torque wrench
TWC-H-2000	200~2000	55	25	25	
TWC-H-3000	300~3000	55	25	25	
TWC-H-5000	500~5000	75	38	65	
TWC-H-10000	1000~10000	125	63	65	
TWC-H-20000	2000~20000	125	63	90	
TWC-H-30000	3000~30000	145	63	90	
TWC-H-50000	5000~50000	145	63	90	

TWC-ZN Electrical Loading Torque Calibrator (Accuracy $\pm 1\%$, Optional $\pm 0.3\%$)

TWC-ZN 电动加载扭矩扳手检定仪 (精度 $\pm 1\%$, 可选 $\pm 0.3\%$)

Model 型号	Range 量程		Square Drive Hole 方榫孔 (mm)
	N.m	lbf.ft	
TWC-ZN2	0.2~2	0.14~1.47	6.3
TWC-ZN10	1~10	0.73~7.38	6.3/10
TWC-ZN100	10~100	7.38~73.8	12.5
TWC-ZN200	20~200	14.7~147.6	12.5
TWC-ZN300	30~300	22.1~221.4	12.5/20
TWC-ZN500	50~500	36.9~369	20
TWC-ZN1000	100~1000	73.8~738	25
TWC-ZN2000	200~2000	147.0~1470	25
TWC-ZN3000	300~3000	221.4~2214.0	25



TWC-Z High Strength Bolt Torque Coefficient Calibrator

TWC-Z 高强度螺栓扭矩系数检定仪

Parameter and Measuring Range 检测参数及量程			Bolt Specification 测试螺栓规格	Bolt Length 测试螺栓长度
Axial Force 轴力	Torque 扭矩	Measuring Angle 测量角度		
500-2500KN	5000-25000N.m	0-300°	M30-M60/M42-M64	200mm-800mm

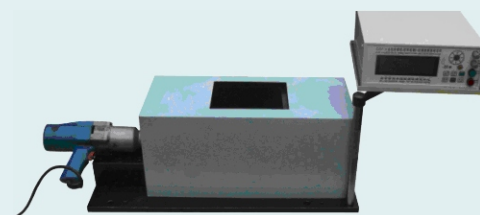
Measuring Accuracy 测量精度					
Axial force 轴力		Torque 扭矩		Angle 角度	
Value Error 示值误差	Repeatability 重复性	Value Error 示值误差	Repeatability 重复性	Value Error 示值误差	Repeatability 重复性
$\pm 1\%$	1%	$\pm 1\%$	1%	$\pm 1\%$	1%



TWC-DQ Torque and Speed Calibrator (Accuracy $\pm 0.3\%$)

TWC-DQ 转速扭矩检定仪 (精度 $\pm 0.3\%$)

Model 型号	Range 量程		Square Drive Hole 方榫孔 (mm)
	N.m	lbf.ft	
TWC-DQ10	1~10	0.73~7.38	6.3/10
TWC-DQ100	10~100	7.38~73.8	12.5
TWC-DQ200	20~200	14.7~147.6	12.5
TWC-DQ300	30~300	22.1~221.4	12.5/20



PHTW-P Series Electric Pump

PHTW-P 系列电动泵



PHTW-P-1 Manual Valve Pump
PHTW-P-1 手动换向液压泵



PHTW-P-2 Electromagnetic Valve Pump
PHTW-P-2 电磁换向液压泵



PHTW-P-3 Electromagnetic Valve Pump
PHTW-P-3 电磁换向液压泵

- Suit for various kinds of hydraulic wrenches.
- Long time continuous operation, its work efficiency is two or three times of general wrench pumps.
- Adjustable pressure within 0~700 Bar, remote wire (in case of PHTW-P-1, manual) to operate.
- Fuel tank to ensure the heat can be dispelled quickly.
- Can be started-up under pressure, light weight, easy operation, and good performance.
- 适用于各类液压扳手
- 可长期连续工作, 效率是一般液压泵的2~3倍
- 可调压力在0~700 Bar, 线控手柄 (PHTW-P-1, 手动换向) 操作控制
- 铝材油箱迅速散热
- 可在加压状态启动, 轻便, 易操作, 性能好

Model 型号	Flow 流量 (L/min)	Operating Pressure 工作压力(bar)	Output 输出	Weight 重量 (Kg)	Oil Capacity 储油量	Motor 电机	Size 尺寸(mm) (LxWxH)
PHTW-P-1	1 st Stage (一级): 10 2 nd Stage (二级): 1.2	1 st Stage (一级): 70 2 nd Stage(二级): 700	2 channels of synchronous, Interface thread: NPT1/4" 同时驱动2台液压扳手, 接口螺纹 NPT1/4"	41	9 L available oil 5 L 9 L 可用油量 5 L	Single-phase 220V 1.5Kw 单向 220V 1.5Kw	420X280X460
PHTW-P-2	1 st Stage (一级): 10 2 nd Stage (二级): 1.2	1 st Stage (一级): 70 2 nd Stage(二级): 700	2 channels of synchronous, Interface thread: NPT1/4" 同时驱动2台液压扳手, 接口螺纹 NPT1/4"	43	9 L available oil 5 L 9 L 可用油量 5 L	Single-phase 220V 1.5Kw 单向 220V 1.5Kw	420X280X460
PHTW-P-3	1 st Stage (一级): 7 2 nd Stage (二级): 0.8	1 st Stage (一级): 70 2 nd Stage(二级): 700	2 channels of synchronous, Interface thread: NPT1/4" 同时驱动2台液压扳手, 接口螺纹 NPT1/4"	27	8 L available oil 5 L 8 L 可用油量 5 L	Single-phase 220V 1.1Kw 单向 220V 1.1Kw	375X300X458

HRAD-P-5 Air Pump

HRAD-P-5 气动泵

Main specification

- High operating pressure: 70MPa
 - High pressure flow: 0.7L/min
 - Low operating pressure: 2MPa
 - Low pressure flow: 2.4L/min
 - Air-motor pressure: 0.6MPa
 - Weight: 26Kg
-
- 最高工作压力: 70MPa
 - 高压流量: 0.7L/min
 - 最低工作压力: 2MPa
 - 低压流量: 2.4L/min
 - 气源压力: 0.6MPa
 - 重量: 26Kg



SYB Series Hand Pump

SYB手动泵



Model 型号	Max. Output Pressure 最大输出压力 (kg/cm ²)	High Pressure 高压	Low Pressure 低压	Capacity 储油量 (CC)	Equipment Weight 本体重量 (Kg)	Dimension 尺寸 (mm)	A/M 型式
SYB-700-D	700	2.3	13	3300	16.5	720*230*170	Manual
SYB-700-2	700	2.3	13	3200	12.5	580*140*170	Manual
SYB-700-1	700	2.3	13	2050	14.5	580*140*170	Manual
SYB-700	700	2.3	13	1400	10	610*140*160	Manual & Pedal
SYB-630	630	2.3	13	700	11	610*140*160	Manual & Pedal

Hydraulic Cylinder

液压油缸

HCS-Series Low Hight Hydraulic Cylinder

HCS -系列薄型液压缸

- Capacity: 5-150Ton
- Stroke: 6-62mm
- Max. Pressure: 700Bar
- Lightweight, low profile cylinder design is ideal for confined spaces
- Baked enamel finish for increased corrosion resistance
- Plunger wiper reduces contamination, extending cylinder life
- Chrome plated steel plungers
- Single-acting, spring return

- 能力：5-150Ton
- 行程：6-62mm
- 最大工作压力：700Bar
- 轻巧紧凑设计用于狭小工作空间
- 烤漆表面使耐腐蚀能力更强
- 防尘圈减少污染, 延长液压缸使用寿命
- 镀铬
- 单作用，弹簧回缩.



Model 型号	Cylinder Capacity at 700 BarTon(kn) 承载能力	Stroke(mm) 行程	Effective Area(cm) 有效面积	Oil Capacity(cm) 容量	Collapsed Height A(mm) 本体高度	Extended Height B(mm) 伸展高度	Outside Diameter D(mm) 外部直径	Weight(kg) 重量
HCS-10	10(101)	38	14.4	55	88	126	70	4.1
HCS-20	20(201)	44	28.3	126	99	143	92	5
HCS-30	30(295)	62	41.9	260	118	179	102	6.8
HCS-50	50(435)	60	62.1	373	122	183	124	10.9
HCS-100	100(887)	57	126.9	723	141	198	165	22.7

HLP- Series Pancake Lock Nut Cylinder

HLP-系列薄型螺母锁定液压缸

- Capacity: 60-520 Ton
- Stroke: 45-50mm
- Max. Pressure: 700Bar
- Pancake lock nut cylinders have an extremely low height for use in confined areas
- Lock nut for positive and safe mechanical load holding over a long period of time
- Single-acting, load return
- Optional special synthetic coating for improved corrosion resistance and lower friction for smoother operation by 3% unbalance loading on rated load, without extrusion and damage
- Overflow port functions as a stroke limiter
- 能力：60-520Ton
- 行程：45-50mm
- 最大工作压力：700Bar
- 薄型设计用于标准油缸无法使用的狭小工作空间



- 安全的螺母锁定设计可以满足长时间稳定且安全的负载支撑
- 单作用，负载回位
- 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, 可成熟额定载荷3%的扁载, 而不会产生挤压损伤
- 溢流孔兼有限制行程的功能

Model 型号	Cylinder Capacity at 700 BarTon (kn) 承载能力	Stroke(mm) 行程	Oil Capacity(cm ³) 容量	Collapsed Height 本体高度 (mm)	Extended Height 伸展高度 (mm)	Outside Diameter 外部直径 (mm)	Weight 重量(kg)
HLP-602	60(578)	50	433	125	175	140	15
HLP-1002	100(978)	50	734	137	187	175	26
HLP-1602	160(1511)	45	1040	148	193	220	44
HLP-2002	200(1955)	45	1284	155	200	245	57
HLP-2502	260(2489)	45	1649	159	204	275	74
HLP-4002	400(3822)	45	2515	178	223	350	134
HLP-5002	520(4977)	45	3285	192	237	400	189

HQF Series Hydraulic Cylinder

HQF通用型液压油缸

HQF series separate electric hydraulic cylinder has features of double-acting, hydraulic return, high tonnage and many strokes for choosing.

It is one kind of quality products of our company. Advanced processing and manufacturing technology as well as high strength cylinder block design provide

high safety factor and long life, It is widely used in the fields of highway, railway, bridges, subway, construction, shipbuilding, mining, foundation settlement test, static piling, pile foundation detection area and so on.

It can also be equipped with hydraulic lock (optional), the model is HQFS.



HQF型分离式电动液压千斤顶为双作用，油压回程，大吨位，有多种行程可供选择。采用最先进的加工工艺及制造技术、高强度缸体设计，具有安全系数高、寿命长等特点，是我公司积多年经验研制的成熟优质产品，广泛应用于公路、铁路、桥梁、地铁、建筑、造船、矿山、基础沉降试验、静力压桩、桩基检测等行业。

HQF型分离式液压千斤顶可配备液压锁（供选择），型号为HQFS

Model 型号	Cylinder Capacity 吨位 (Ton)	Inside Dia 油缸内径 (mm)	Outside Dia 油缸外径 (mm)	Piston Rod Dia 活塞杆直径 (mm)	Stroke 行程 (mm)	Collapsed Height 本体高度 (mm)	Extended height 伸展高度 (mm)	Pressure 额定压力 (Mpa)	Weight 重量 (kg)
HQF50-100	50	100	140	70	100	240	340	63	25
HQF50-160					160	300	460		30
HQF50-200					200	340	540		34
HQF50-250					250	390	640		39
HQF50-300					300	440	740		43
HQF50-400					400	540	940		52
HQF100-100	100	140	194	100	100	275	375	63	52
HQF100-160					160	335	495		64
HQF100-200					200	375	575		70
HQF100-250					250	425	675		78
HQF100-300					300	475	775		86
HQF100-400					400	575	975		102
HQF150-100	150	180	245	125	100	285	385	63	89
HQF150-160					160	345	505		106
HQF150-200					200	385	585		120
HQF150-250					250	435	685		139
HQF150-300					300	485	785		143
HQF150-400					400	585	985		169
HQF200-100	200	200	273	150	100	300	400	63	120
HQF200-160					160	360	520		130
HQF200-200					200	400	600		145
HQF200-250					250	450	700		160
HQF200-300					300	500	800		180
HQF200-400					400	600	1000		220
HQF320-100	320	250	325	180	100	310	410	63	170
HQF320-160					160	370	530		210
HQF320-200					200	410	610		205
HQF320-250					250	460	710		230
HQF320-300					300	510	810		250
HQF320-400					400	610	1010		300
HQF400-100	400	280	377	200	100	340	440	63	250
HQF400-160					160	400	560		280
HQF400-200					200	440	640		300
HQF400-250					250	490	740		330
HQF400-300					300	540	840		360
HQF400-400					400	640	1040		420
HQF500-100	500	320	426	250	100	360	460	63	360
HQF500-160					160	420	580		410
HQF500-200					200	460	660		436
HQF500-250					250	510	760		482
HQF500-300					300	560	860		540
HQF500-400					400	660	1060		630
HQF630-100	630	360	490	280	100	417	517	63	576
HQF630-160					160	477	637		645
HQF630-200					200	517	717		693
HQF630-250					250	567	817		751
HQF630-300					300	617	917		809
HQF630-400					400	717	1117		925
HQF800-100	800	400	550	320	100	467	567	63	810
HQF800-200					200	567	767		974
HQF800-250					250	617	867		1035
HQF800-300					300	667	967		1110
HQF800-400					400	767	1167		1257
HQF1000-200	1000	450	610	360	200	620	820	63	1337
HQF1000-250					250	670	920		1430
HQF1000-300					300	720	1020		1522
HQF1000-400					400	820	1220		1706
HQF1200-200	1200	500	670	380	200	640	840	63	1647
HQF1200-250					250	690	940		1752
HQF1200-300					300	740	1040		1857
HQF1200-400					400	840	1240		2069
HQF1200-200	1500	560	750	400	200	670	870	62	2140
HQF1200-250					250	720	970		2163
HQF1200-300					300	770	1070		2390
HQF1200-400					400	870	1270		2642
HQF2000-200	2000	630	860	480	200	720	920	65	3088
HQF2000-250					250	770	1020		3264
HQF2000-300					300	820	1120		3440
HQF2000-400					400	920	1320		3794

HFS Series Hydraulic/Mechanical Flange Spreader

HFS 系列液压/机械法兰分离器

HFSH, HFSM flange spreaders are designed to operate the separation by manual control, without any flange bending or other problems. They are the best tools for the flange separation.

HFSH, HFSM系列法兰分离器可以人为控制分离操作,而且不会让法兰弯曲或发生打滑问题。FS系列分离器是法兰分离的理想应用工具。



- 尖端厚度/ 最大分开距离: 6mm/81mm
- 最大分离力: 8-14ton
- 最大工作压力: 700bar (HFSH-14)
- Tip clearance/ Maximum spread: 6mm/81mm
- Maximum spread force: 8-14ton
- Maximum operating pressure: 700bar (HFSH-14)
- For maintenance, testing and valve change outs
- Integrated wedge concept: Friction-free, smooth and parallel wedge movement eliminates flange damage and spreading arm failure
- Unique interlocking wedge design - no first step bending and risk of slipping out of joint
- Requires very small access gap of only 6 mm
- Stepped spreader arm design-each step can spread under full load
- Few moving parts, high durability and low maintenance
- 适用于维护、检修、测试和阀门更换
- 整体分离楔概念: 无摩擦,平行平滑运动,消除法兰损伤和分离楔损坏的危险
- 独特的互锁楔子设计, 第一级无弯曲无滑脱危险
- 插入口要求尺寸仅为6mm
- 台阶形张臂的设计使每格台阶可承受满负荷
- 较少的运动部件, 经久耐用, 维护方便

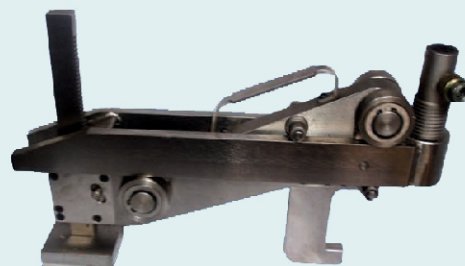
Model 型号	Maximum spreading force ton(KN) 最大分离力	Tip clearance (mm) 尖端厚度	Maximum spread(mm) 最大分距	Spreader Type 类型	Oil capacity(cm ³) 油容积	Weight(kg) 重量
HFSH-14	14(125)	6	81	Hydr.	78	7.1
HFSM-8	8(72)	6	81	Mech.	-	6.5

HTM Series Flange Alignment Tools

HTM 系列法兰调整工具

螺栓孔圈: 17-54mm
法兰厚度: 17-203mm
最大调整力: 0.3-5ton

Bolt Hole Size: 17-54mm
Flange Wall Thickness: 17-203mm
Maximum Lifting Force: 0.3-5ton



- Flange alignment tools rectify twists and rotational misalignment without additional stress in pipe lines.
- Apply to most commonly used ANSI, API, BS and DIN flanges
- Two Manual operation models: HTM-1 applies to the small flange, HTM-3 applies to the large ANSI flange
- No slings, hooks, or lifting gear. Extremely safe, high precision
- HTM-1 supplied with three bushings for different bolt hole sizes, can be used in reversed position
- HTM-3 fits on the following flanges:
Ring Type Joints: flange wall thickness 30 - 100 mm
Gasket Type Joints: flange wall thickness 25 -115 mm
- The highly adjustable reach of the wing and the reversible lift hook of HTM-3 allow precise alignment.
- 在不产生管线张力情况下，矫正扭曲旋转错误
- 适用于大多数通用类法兰ANSI、API、BS和DIN法兰
- 两种手动操作型号，HTM-1适用于小型法兰，HTM-3用于大型高压法兰
- HTM-1特有的能适合不同螺孔尺寸的3只衬套，可便于进行逆向操作
- HTM-3适用于下列法兰：
 - 1 密封圈法兰：法兰壁厚最小30mm,最大100mm
 - 2 垫圈法兰：法兰壁厚最小25mm,最大115mm
- HTM-3上的高调节度翼形螺母及逆向提升吊钩可使其进行精确调整

Model 型号	Maximum Lifting Force Ton 最大调整力(KN)	Bolt hole Range 螺栓孔范围		Flange Wall Thickness 法兰厚度	
		(mm)	(inch)	(mm)	(inch)
HTM-1	0.3(3)	17-27.2	$1\frac{1}{16}$ - $1\frac{1}{8}$	17-50	11/16- 2
HTM-3	3.0(27)	25-54	1 - $2\frac{1}{8}$	30-115	$1\frac{3}{16}$ - $4\frac{1}{2}$
HTM-5	5.0(45)	≥ 31.5	$\geq 1\frac{1}{4}$	8-203	$3\frac{1}{8}$ -8

HNS Series Hydraulic Nut Splitter

HNS 系列液压螺母破切器

工作能力:5-90ton

螺栓范围:M6-M48

最大工作压力:700bar

Operational capability: 5-90 ton

Bolt range:M6-M48

Maximum working pressure:700bar



Separating nuts by hydraulic nut splitters is a safe and effective method which not only saves time but also prevents the joint parts from being damaged. The series products adopt elbows design and equip with heavy chisels which can cut various nuts.

液压螺母破切器分离螺母是一个安全有效的方法，此方法不仅省时而且不会造成接头部件损坏而导致的损失。该系列产品采用弯头设计，配有重型凿，可以切割许多种螺母。

- 紧凑的设计，使用方便
- 独特的角度头设计
- 单向作用弹簧回位液压缸
- 适合各种应用：卡车维修、管道工业、槽罐清理、石油化工、钢铁建筑、采矿等等
- Compact design, easy to use
- Unique angle head design
- Single-acting, spring return cylinder
- Hydraulic nut splitter applications include servicing truck maintenance, piping industry, tank cleaning, petrochemical, steel construction, mining and so on.

Model 型号	Bolt Range 螺钉范围	Hexagon Nut Range 六角螺母范围 (mm)	Capacity 工作能力 (ton)	Oil Capacity 油容量 (cm ³)	Weight 重量 (kg)
HNS-1019	M6-M12	10-19	5	15	1.2
HNS-1924	M12-M16	19-24	10	20	2
HNS-2432	M16-M22	24-32	15	60	3
HNS-3241	M22-M27	32-41	20	80	4.4
HNS-4150	M27-M33	41-50	35	155	8.2
HNS-5060	M33-M39	50-60	50	240	11.8
HNS-6075	M39-M48	60-75	90	492	34.1

HBT Series Hydraulic Bolt Tensioner

HBT 系列液压螺栓拉伸器

- Six load cells from 5/8" to 3 3/4" or from M16 to M95
- Twin ports for quick connection of multiple tools
- Only one size of bridge per size of load cell
- Detachable and rotational bridge simplifies bolt tensioner positioning .
- Full bridge window
- Piston stroke indicator
- Special surface treatment protects against corrosion.
- Anti-slip grip for more secure handling.
- Universal and multi-use tool



- 六种施力头，尺寸从5/8"到3-3/4"或者从M16到M95
- 双油口,可快速连接多个工具
- 每种尺寸的动力单元配有一种规格的支承桥
- 可拆卸并旋转的支承桥简化了工具定位工作
- 完整的支承桥窗口
- 行程指示器
- 表面经过特别处理,防锈蚀
- 防滑把手确保稳妥操作
- 通用型和多用途工具

Load Cell and Bridge Reference 施力头和支撑桥	Range 范围		Technical data 技术数据			Weight(kg) 重量
		(in)	Cylinder effective area(mm ²) 缸体有效面积	Maximum load(KN) 最大负载	Stroke(mm) 行程	
GT1-LCB	M16-M30	5/8"-1"	149540	22430	10	3
GT2-LCB	M30-M39	1 1/8"-1 1/2"	267720	40150	10	4.1
GT3-LCB	M39-M52	1 1/2"-2"	521720	76890	10	7
GT4-LCB	M52-M68	2"-2 1/2"	978210	146690	10	12.2
GT5-LCB	M68-M80	2 1/2"-3 1/4"	1507970	226140	10	18.7
GT6-LCB	M80-M95	3 1/4"-3 3/4"	1897210	284510	10	27.8



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