



KAITE

# 螺旋式摆动油缸

Hydraulic Rotary Actuator

选型样本



KAITE

威海凯特液压技术有限公司

Weihai Kaite Hydraulic Technology Co., LTD

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## COMPANY INTRODUCTION

### 公司简介



威海凯特液压技术有限公司是一家专注于螺旋式摆动油缸的研发、生产和销售的企业，自 2015 年成立至今，已成长为山东省高新技术企业和软件技术企业，拥有 7000 m<sup>2</sup> 的现代化工业厂房，先后通过 ISO9001 国际质量管理体系、ISO14001 环境认证体系和欧盟 CE 认证，并拥有 20 余项国家实用新型专利，旗下产品分为五大品类百余款型号，广泛应用于矿山机械、建筑机械、特种车辆、市政车辆等行业，成功供货给中铁科工、徐工等国内知名龙头企业，并且远销美国，澳大利亚，等多个国家，赢得了客户的广泛好评。

Weihai Kaite Hydraulic Technology Co., Ltd. is a company specializing in the development, production and sales of hydraulic rotary actuators. Since its establishment in 2015, it has grown into a high-tech Enterprise and software technology enterprise in Shandong province, with 7000 m<sup>2</sup> modern industrial plant, has certified by ISO9001 international quality management system, ISO14001 environmental management system and European CE management, and has more than 20 national utility model patents, its products are divided into five categories of more than 100 models, widely used in mining machinery, construction machinery, special vehicles, municipal vehicles and other industries, and is qualified supplier of China Railway Science and Technology, SANY, XCMG and other well-known leading enterprises, and exported to the United States, Australia, and other countries, won the wide acclaim of customers.



## 公司荣誉——荣誉称号

Company Honors



## 公司荣誉——认证证书

Honorary Title



## 公司荣誉——专利证书

Certificate of Authentication



## 生产场景

Production Scenarios



我公司拥有数控车、旋风铣等专业生产设备百余台，设立了加工车间和组装车间，分别进行齿加工、打磨、焊接、组装、喷漆等工序。

Our company has more than one hundred sets of professional production equipment such as CNC lathes and cyclone mills, and has set up processing workshops and assembly workshops for tooth processing, grinding, welding, assembly, painting and other processes respectively.





PRODUCT  
INTRODUCTION  
产品介绍

通用  
系列



KT10 系列

通用  
系列



KT20 系列

通用  
系列



KT30 法兰式系列

通用  
系列



KT30 底座式系列

通用  
系列



KT40 系列

通用  
系列



KT50 系列

专用  
系列



KTPT2 系列

专用  
系列



KTRL75/200 系列

定制  
系列



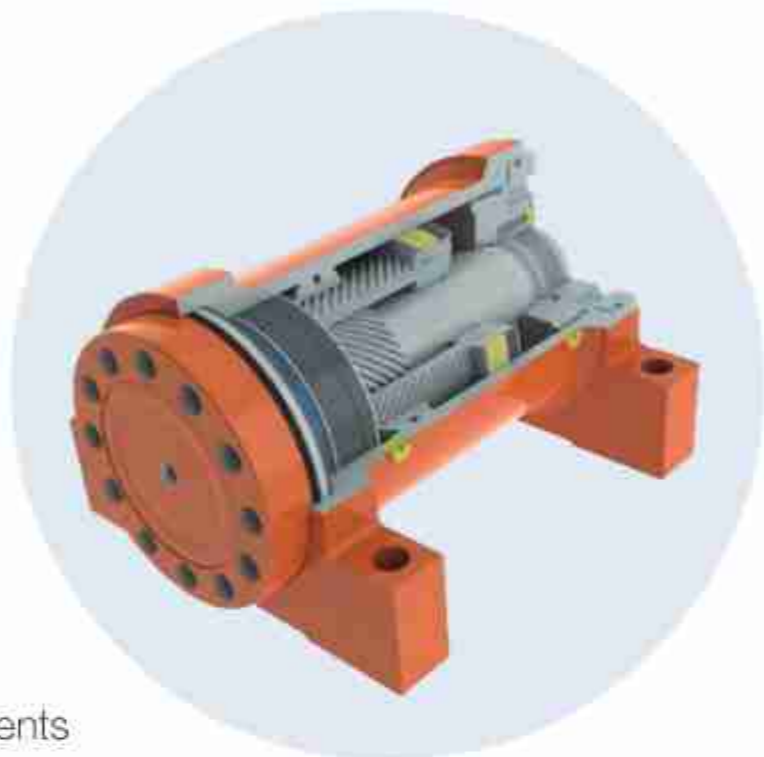
定制系列

### 功能强大 Powerful

扭矩大, 承载力高  
High torque, high bearing capacity

### 耐用 Durable

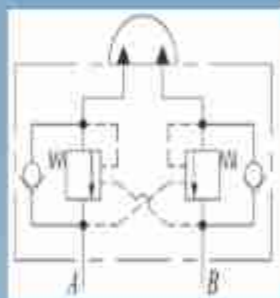
活动部件封闭, 可以适用于恶劣环境  
moving parts enclosed, suitable for harsh environments



### 平衡阀 / Counter balance valve

#### 双向平衡阀特性 / valve schematic

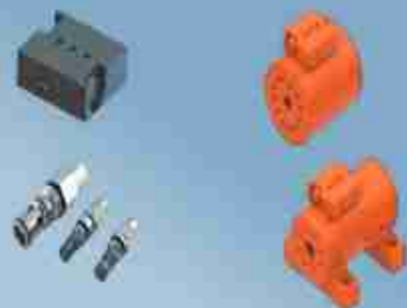
双向平衡阀可以保持负载位置, 防止液压回路故障时的意外转动以及保持负载运动的平稳。Counterbalance valve protect rotation in the event of a hydraulic line failure and protect the actuator against excessive torque loading.



阀体材质 / Valve material  
阀体材料可以选择钢质或者铝, 默认为钢质平衡阀体。The standard one is steel made, aluminum, optional.  
阀缸出厂时, 阀体均配有丝堵, 用户可以自行选择使用或者不用平衡阀, 缸体上均有备用油口。The thread holes for valve mount available which allow customer order with or without valve.

#### Pressure set

KT10,20和40系列设定压力为228bar, 先导比为3:1。  
KT30系列设定压力为250bar, 先导比为2.5:1。  
KT10,20 and 40 series set pressure is 228bar, the pilot ratio is 3:1.  
KT30 series set pressure is 250bar, the pilot ratio 2.5:1.



产品结构由双层斜齿轮副构成, 在液压的推动下将直线运动转换成旋转输出, 旋转角度可定制。

This design is based on a system with a multiple helical gear, the linear movement of the piston is converted into a rotational movement via the multiple helical gears by hydraulic pressure, the rotational movement variable.

### 负载及扭矩说明 / Description of load and torque

#### 跨骑式安装 / Straddle mount

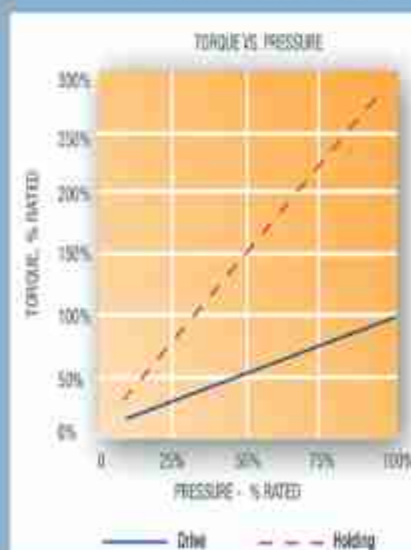


#### 悬臂式安装 / Cantilever mount

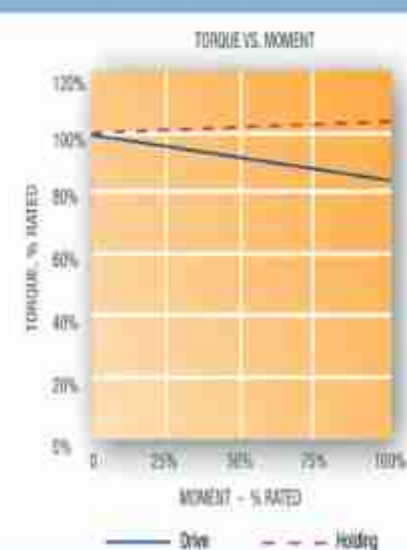


### 油缸性能曲线 / Performance

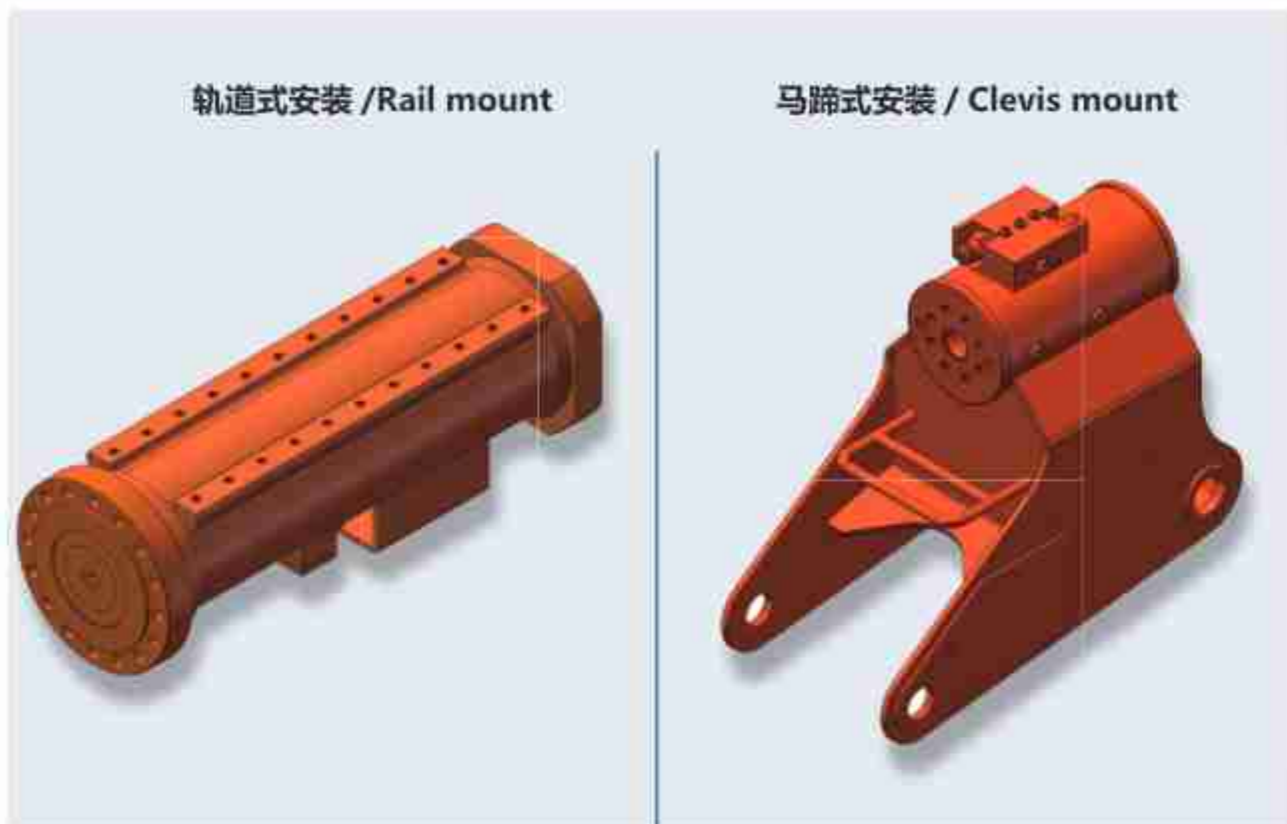
#### 扭矩压力关系曲线 Torque vs pressure



#### 弯矩扭矩关系曲线 Torque vs moment







举例 / Example:

KT10 - 27 - 360 - Q F Y J



NO.	简介 / Description	详解 / Detailed Explanation
1	油缸系列 / Series No.	常用系列 / Common series: KT10,KT20,KT30,KT40,KT50
2	输出扭矩值除以 100 / Output Torque Value Divided By 100	例如: 输出扭矩为 4700nm 的油缸, 记作: 47, 即 4700/100=47 For example: the output torque is 4700nm, denoted as: 47, ie 4700/100=47
3	输出旋转角度 / Output Rotation Angle	标准角度一般为 180°, 360°, 特殊角度可定制 Standard angles are generally 180°, 360°, special angles can be customized
4	输出形式 / Torque Output Form	Q- 前法兰 / Front flange, S- 双法兰 / Double flange, Z- 轴输出 / Shaft output, H- 花键轴 / Spline Shaft
5	安装方式 / Mounting	Q- 前法兰安装 / Front flange mount, H- 后法兰安装 / Rear flange mount, D- 底座安装 / Foot mounting, M- 马鞍式安装 / Clevis mounting
6	平衡阀 / Counterbalance valve	Y- 有普通平衡阀 / With ordinary Counterbalance valve, W- 无平衡阀 / Without Counterbalance valve, A- 铝合金平衡阀 / Aluminum alloy Counterbalance valve
7	密封件 / Seals	J- 进口常温密封件 / Imported normal temperature seals, G- 国产普通密封件 / Seals made in China, D- 耐低温密封件 / Withstand low temp, H- 耐高温密封件 / Withstand high temp

## 产品概述 / Our Product



KT10 系列

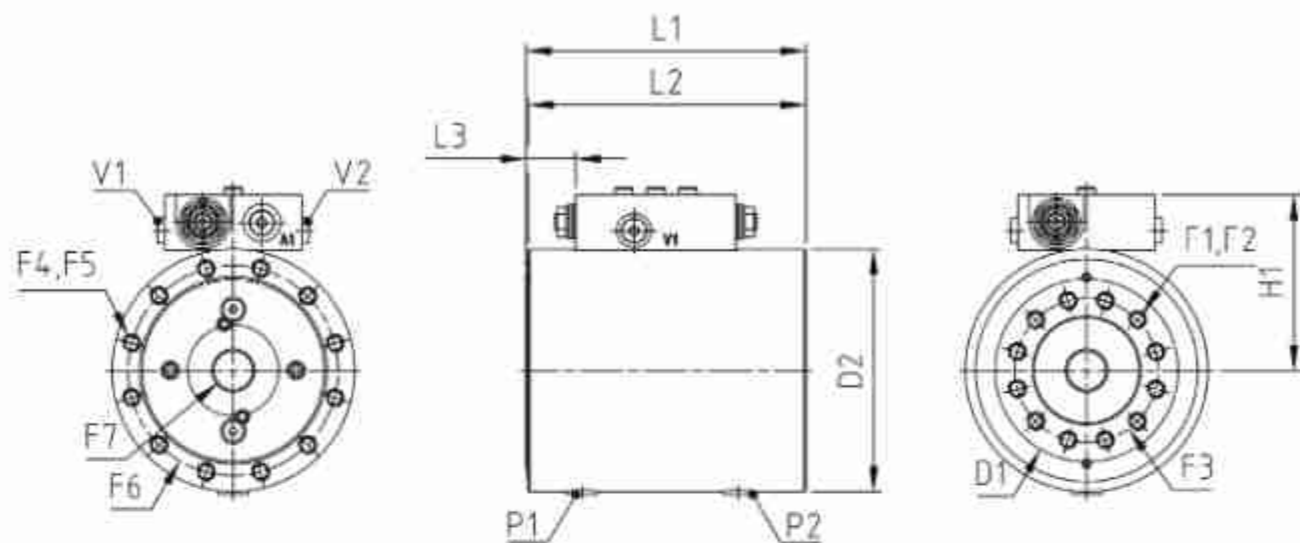
KT20 系列

KT30 系列

KT40 系列

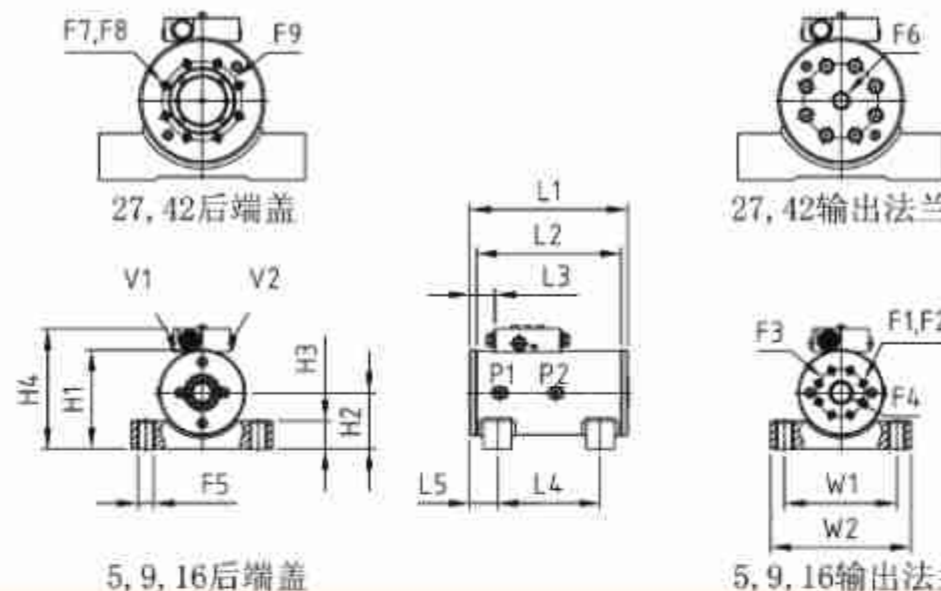
KT50 系列





KT10 系列 /KT10 SERIES

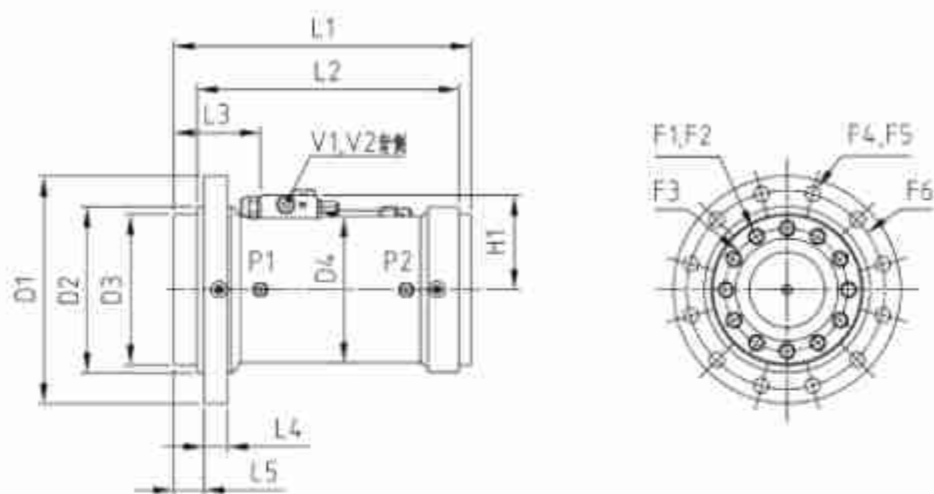
型号 /Model	2	3	6	10	16	27
输出扭矩 /Drive Torque Nm@21MPa	180	320	600	1000	1600	2700
保持扭矩 /Holding Torque Nm@21MPa	630	1200	1900	3800	5700	9400
悬臂最大弯矩 /Max Cantilever Moment Nm	560	1000	2200	5600	9000	11200
径向负载 /Radial Capacity kg	900	1350	1850	3600	4980	6700
轴向负载 /Axial Capacity kg	900	1350	1850	3600	4980	6700
排量 (180°) /Displacement 180° cc	63.9	121	192	365	552	914
排量 (360°) /Displacement 360° cc	-	243	384	733	1105	1829
重量 (180°) /Weight 180° kg	6.4	10	14.2	26	43.3	57
重量 (360°) /Weight 360° kg	-	12.8	19.2	35	54.5	83
D1 安装盘直径 /Dia Of Mounting Flange mm	77.2	89	102	127	148	185
D2 壳体直径 /Housing Diameter mm	100	119	135	170	198	226
F1 法兰端螺孔尺寸 /Flange Screw Hole Size mm	M8*1.25	M8*1.25	M10*1.5	M12*1.75	M12*1.75	M16*2
F2 法兰端螺孔个数 /Flange Screw Hole Quantity	8	8	12	12	12	12
F3 法兰端螺孔中心圆直径 /Flange Screw Hole Center Circle Diameter mm	54	73	80	102	127	140
F4 端盖螺孔尺寸 /Flange Housing Tapped Hole Size mm	M8*1.25	M8*1.25	M10*1.5	M12*1.75	M12*1.75	M12*1.75
F5 端盖螺孔数量 /Number Of Threaded Holes in Flange Housing	8	8	12	12	12	12
F6 端盖螺孔中心圆直径 /Flange Shell Screw Hole Center Circle Diameter mm	86	103	117	151	175	203
F7 安装孔直径 /Dia Of Mount mm	14.3	17	21.4	35.7	45.7	66.7
H1 中心线到阀体的尺寸 /Centerline To Valve Top in mm	80	90	98	115	129	143
L1 180°总长度 /Overall Length (180°) mm	140	143	156	184	224	241
L1 360°总长度 /Overall Length (360°) mm	-	189	212	258	311	346
L2 不含旋转法兰长度 (180°) /Length Without Swivel Flange (180°) mm	138	142	154	182	221	239
L2 不含旋转法兰长度 (360°) /Length Without Swivel Flange (360°) mm	-	188	211	256	308	344
L3 法兰距平衡阀长度 (180°) /Length From Flange To Counterbalance Valve (180°) mm	25.4	26.9	27.7	27.9	38.6	43.9
L3 法兰距平衡阀长度 (360°) /Length From Flange To Counterbalance Valve (360°) mm	-	22.6	24.6	42.7	60.2	70.4
P1 P2 壳体油口 /Ports Housing	ISO-1179-1/BSPP 'G' 系列, 尺寸从 1/8 到 1/4, 详见图纸 / ISO-1179-1/BSPP 'G' Series, Size From 1/8 to 1/4, See Drawing For Details					
V1 V2 阀体油口 /Ports Valve	ISO-11926/SAE 系列, 尺寸为 7/16, 详见图纸 / ISO-11926/SAE Series, Size is 7/16, See Drawing For Details.					



KT20 系列 /KT20 SERIES

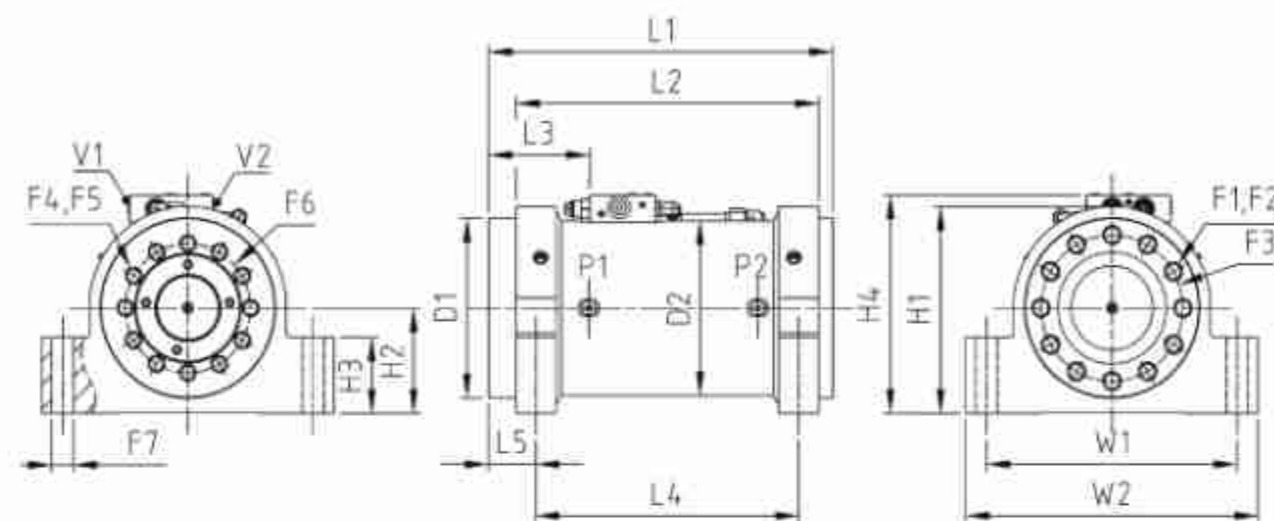
型号 /Model	5	9	16	27	42
输出扭矩 /Drive Torque Nm@21MPa	500	900	1600	2680	4200
保持扭矩 /Holding Torque Nm@21MPa	1300	2400	4400	7100	10500
悬臂安装最大弯矩 /Max Cantilever Moment Nm	1360	2480	5420	11300	15800
脚踏安装最大弯矩 /Max Straddle Moment Nm	2500	4500	10200	16400	31600
径向负载 /Radial Capacity kg	1380	2130	4190	5580	9530
轴向负载 /Axial Capacity kg	500	680	1000	1400	1770
排量 (180°) /Displacement 180° cc	132	234	436	726	1070
重量 (180°) /Weight 180° kg	12.5	17	30	51	77
D1 安装盘直径 /Dia Of Mounting Flange mm	104	117	142	170	196
D2 壳体直径 /Housing Diameter mm	101	114	139	165	191
F1 法兰端螺孔尺寸 /Flange Screw Hole Size mm	M10*1.5	M10*1.5	M12*1.75	M20*2.5	M20*2.5
F2 法兰端螺孔个数 /Flange Screw Hole Quantity	6	8	8	8	10
F3 法兰端中心圆直径 /Flange Screw Hole Center Circle Diameter mm	53.9	65	85	102	121
F4 内轴通孔尺寸 /Clearance Hole For Shaft Through Bolt mm	M20	M24	M24	-	-
F5 地脚安装孔尺寸 /Housing Foot Clearance Hole Required Bolt Size mm	M16	M20	M24	M24	M30
F6 轴中心孔 /Center Hole of Shaft mm	-	-	-	M24*3	1-1/4-7
F7 端盖螺孔尺寸 /Flange Housing Tapped Hole Size mm	-	-	-	M12*1.75	M16*2
F8 端盖螺孔数量 /Number Of Threaded Holes in Flange Housing	-	-	-	8	10
F9 端盖螺孔中心圆直径 /Flange Shell Screw Hole Center Circle Diameter mm	-	-	-	108	121
H1 不含平衡阀高度 /Height without counterbalance valve mm	119	135	158	193	218
H2 端面距中心线高 /Height of Center Hole mm	66	76.2	85.9	108	121
H3 地脚高 /Foot Height mm	34.3	38.1	44.5	63.5	70
H4 总高度 /Overall Height mm	146	163	185	220	245
L1 总长度 /Overall Length mm	188	216	248	298	337
L2 不含旋转法兰长度 /Length Without Swivel Flange mm	173	197	229	276	314
L3 法兰距平衡阀距离 /Length From Flange To Counterbalance Valve mm	32	34.5	44.7	48.8	49
L4 脚安装孔距离 /Mounting Length mm	111	140	152	184	216
L5 法兰与安装孔距离 /Distance Between Flange and Mounting Hole mm	37.9	37.6	47	57.2	60.5
W1 地脚安装孔距离 /Mounting Width mm	145	152	197	222	267
W2 总宽度 /Overall Width mm	178	191	248	279	330
P1 P2 壳体油口 /Ports Housing	ISO-1179-1/BSPP 'G' 系列, 尺寸从 1/8 到 1/4, 详见图纸 / ISO-1179-1/BSPP 'G' Series, Size From 1/8 to 1/4, See Drawing For Details				
V1 V2 阀体油口 /Ports Valve	ISO-11926/SAE 系列, 尺寸为 7/16, 详见图纸 / ISO-11926/SAE Series, Size is 7/16, See Drawing For Details.				





KT30 (法兰式) 系列 / KT30 (Flange Mount) SERIES

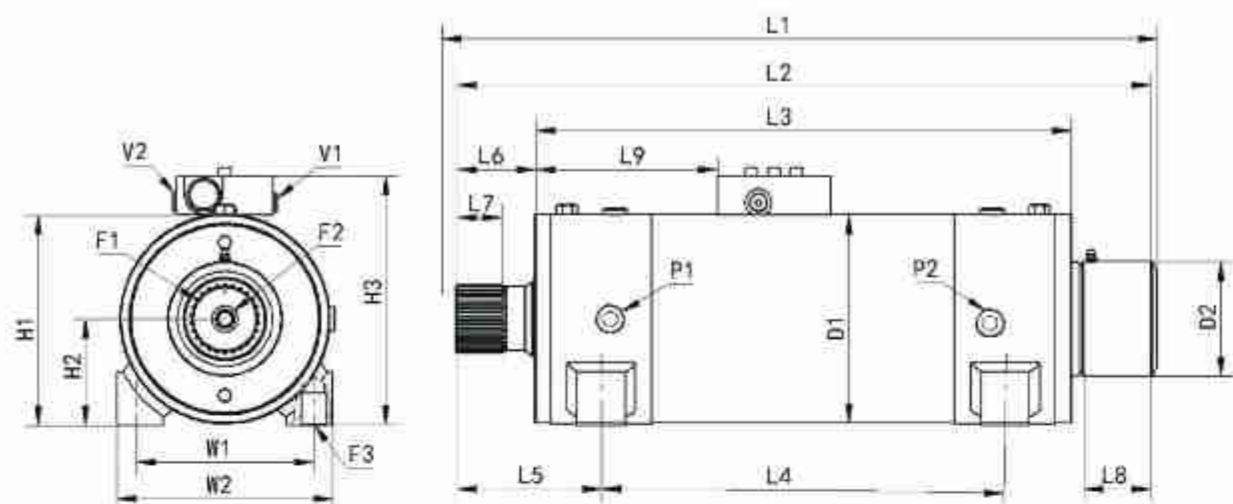
型号/Model	19	28	47	73	105	140	180	240
输出扭矩/Drive Torque Nm@21MPa	1900	2800	4700	7300	10500	14000	18000	24000
保持扭矩/Holding Torque Nm@21MPa	4900	6800	12000	18000	26000	35000	46000	59000
悬臂安装弯矩/Max Cantilever Moment Nm	5200	7100	11900	18400	29500	38800	55900	72900
跨骑式安装弯矩 (180°) /Max Straddle Moment (180°) Nm	13400	16900	30800	47800	75100	98900	130500	170000
跨骑式安装弯矩 (360°) /Max Straddle Moment (360°) Nm	19200	24600	45400	71200	111500	146000	197700	256500
径向负载/Radial Capacity kg	1800	2300	3600	5000	6800	8200	10000	11800
轴向负载/Axial Capacity kg	1400	1800	2700	3600	4500	5900	6800	8200
排量 (180°) /Displacement (180°) cc	492	688	1180	1870	2680	3540	4650	6000
排量 (360°) /Displacement (360°) cc	980	1390	2360	3740	5360	7080	9320	12000
重量 (180°) /Weight (180°) kg	34.5	50	72.5	110	160	220	280	360
重量 (360°) /Weight (360°) kg	45.5	63.4	100	140	200	290	370	455
D1 筒体法兰直径/Overall Flange Diameter mm	200	235	280	315	355	396	442	475
D2 止口直径/Pilot Diameter mm	150	175	205	230	260	290	315	340
D3 安装直径/Dia Of Mounting Flange mm	139	155	183	209	234	263	288	310
D4 壳体直径/Housing Diameter mm	140	152	178	203	229	254	279	305
F1 法兰端螺孔尺寸/Flange Screw Hole Size mm	M12*1.75	M16*2	M20*2.5	M22*2.5	M24*3	M27*3	M27*3	M30*3.5
F2 法兰端螺孔个数/Flange Screw Hole Quantity	12	12	12	12	12	12	12	12
F3 法兰端螺孔中心圆直径/Flange Screw Hole Center Circle Diameter mm	115	125	150	170	195	215	240	255
F4 端盖端螺孔尺寸/Flange Housing Tapped Hole Size mm	M10*1.5	M12*1.75	M16*2	M20*2.5	M22*2.5	M24*3	M27*3	M27*3
F5 端盖端螺孔数量/Number Of Threaded Holes In Flange Housing	12	12	12	12	12	12	12	12
F6 端盖端螺孔中心圆直径/Flange Shell Screw Hole Center Circle Diameter mm	175	206	245	275	310	345	380	410
H1 中心到阀体顶部高度/Centerline To Valve Top in mm	99.1	106	118	131	144	156	169	182
L1 总长度 (180°) /Overall Length (180°) mm	298	323	365	413	475	524	551	600
L1 总长度 (360°) /Overall Length (360°) mm	427	470	538	615	705	776	836	906
L2 不含旋转法兰长度 (180°) /Length Without Swivel Flange (180°) mm	261	286	323	363	431	463	493	534
L2 不含旋转法兰长度 (360°) /Length Without Swivel Flange (360°) mm	392	433	496	565	661	715	775	843
L3 法兰与平衡阀距离 (180°) /Length From Flange To Counterbalance Valve (180°) mm	75.2	134	143	130	152	185	196	221
L3 法兰与平衡阀距离 (360°) /Length From Flange To Counterbalance Valve (360°) mm	149	157	197	232	267	308	338	374
L4 外法兰厚度/Mounting Flange Thickness mm	25.2	26	31	33	40	42	46	52
L5 外法兰和内法兰距离/Distance from Outer Flange to Inner Flange mm	27	32	35	42	40	53	54	56
P1 P2 壳体油口/Ports Housing	ISO-1179-1/BSPP 'G' 系列, 尺寸从 1/8 到 1/4, 详见图纸/ISO-1179-1/BSPP 'G' Series, Size From 1/8 to 1/4, See Drawing For Details							
V1 V2 阀体油口/Ports Valve	ISO-1179-1/BSPP 'G' 系列, 尺寸 3/8, 详见图纸/ISO-1179-1/BSPP 'G' SAE Series, Size is 3/8, See Drawing For Details							



KT30 (底座式) 系列 / KT30 (Foot Type) SERIES

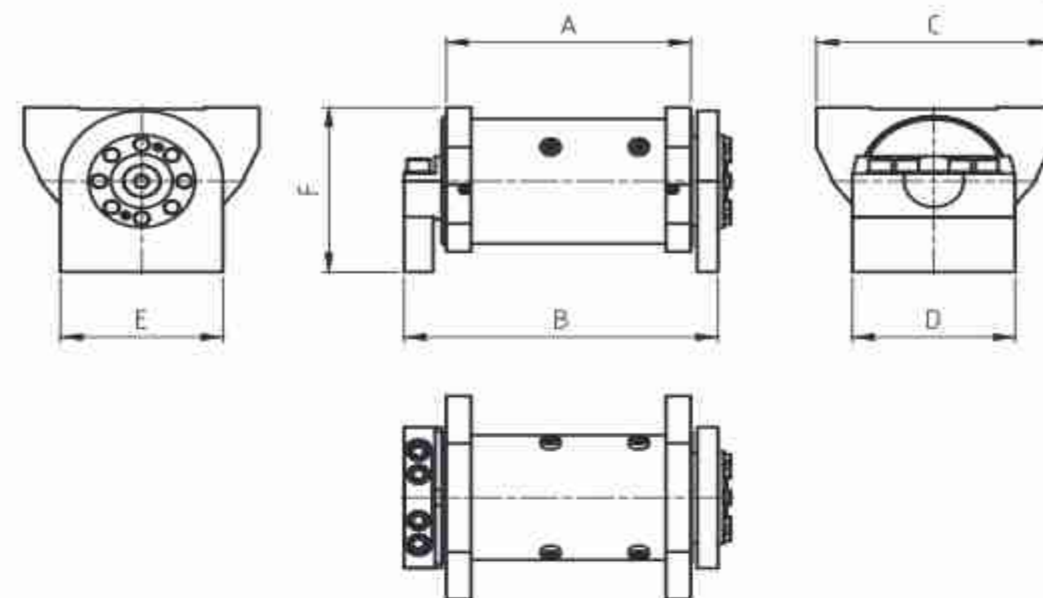
型号/Model	19	28	47	73	105	140	180	240
输出扭矩/Drive Torque Nm@21MPa	1900	2800	4700	7300	10500	14000	18000	24000
保持扭矩/Holding Torque Nm@21MPa	4900	6800	12000	18000	26000	35000	46000	59000
悬臂安装弯矩/Max Cantilever Moment Nm	5200	7100	11900	18400	29500	38800	55900	72900
跨骑式安装弯矩 (180°) /Max Straddle Moment (180°) Nm	13400	16900	30800	47800	75100	98900	130500	170000
跨骑式安装弯矩 (360°) /Max Straddle Moment (360°) Nm	19200	24600	45400	71200	111500	146000	197700	256500
径向负载/Radial Capacity kg	1800	2300	3600	5000	6800	8200	10000	11800
轴向负载/Axial Capacity kg	1400	1800	2700	3600	4500	5900	6800	8200
排量 (180°) /Displacement (180°) cc	492	688	1180	1870	2680	3540	4650	6000
排量 (360°) /Displacement (360°) cc	980	1390	2360	3740	5360	7080	9320	12000
重量 (180°) /Weight (180°) kg	34.5	50	72.5	110	160	220	280	360
重量 (360°) /Weight (360°) kg	45.5	63.4	100	140	200	290	370	455
D1 安装直径/Dia Of Mounting Flange mm	139	155	183	209	234	263	288	310
D2 壳体直径/Housing Diameter mm	140	152	178	203	229	254	279	305
F1 法兰端螺孔尺寸/Flange Screw Hole Size mm	M12*1.75	M16*2	M20*2.5	M22*2.5	M24*3	M27*3	M27*3	M30*3.5
F2 法兰端螺孔个数/Flange Screw Hole Quantity	12	12	12	12	12	12	12	12
F3 法兰端螺孔中心圆直径/Flange Screw Hole Center Circle Diameter mm	115	125	150	170	195	215	240	255
F4 端盖端螺孔尺寸/Flange Housing Tapped Hole Size mm	M10*1.5	M12*1.75	M16*2	M20*2.5	M22*2.5	M24*3	M27*3	M27*3
F5 端盖端螺孔数量/Number Of Threaded Holes In Flange Housing	12	12	12	12	12	12	12	12
F6 端盖端螺孔中心圆直径/Flange Shell Screw Hole Center Circle Diameter mm	108	120	133	150	170	190	210	230
F7 安装孔直径/Dia Of Mount mm	M16	M20	M22	M24	M27	M30	M36	M36
H1 不含平衡阀高度/Centerline To Valve Top in mm	156	186	212	240	276	305	327	362
H2 底座中心线高度/Height of Center Hole mm	80	94.9	108	122	140	154	165	184
H3 地脚高/Foot Height mm	48	70	78	88	105	110	120	135
H4 总高度/Overall Height mm	179	201	226	271	283	310	334	366
L1 总长度 (180°) /Overall Length (180°) mm	298	323	365	413	475	524	551	600
L1 总长度 (360°) /Overall Length (360°) mm	427	470	538	615	705	776	836	906
L2 不含旋转法兰长度 (180°) /Length Without Swivel Flange (180°) mm	261	286	323	363	431	463	493	534
L2 不含旋转法兰长度 (360°) /Length Without Swivel Flange (360°) mm	392	433	496	565	661	715	775	843
L3 法兰与平衡阀距离 (180°) /Length From Flange To Counterbalance Valve (180°) mm	75.2	134	143	130	152	185	196	221
L3 法兰与平衡阀距离 (360°) /Length From Flange To Counterbalance Valve (360°) mm	149	157	197	232	267	308	338	374
L4 地脚安装孔距离 (180°) /Mounting Length (180°) mm	229	248	281	314	374	400	426	460
L4 地脚安装孔距离 (360°) /Mounting Length (360°) mm	358	395	454	516	604	652	708	766
L5 法兰与安装孔距离/Flange to Mounting Hole mm	38.1	43.9	50	56.9	59.9	74.2	75.9	80
W1 地脚安装孔宽度/Mounting Width mm	190	230	260	300	340	380	410	450
W2 总宽度/Overall Width mm	222	268	310	350	400	447	484	530
P1 P2 壳体油口/Ports Housing	ISO-1179-1/BSPP 'G' 系列, 尺寸从 1/8 到 1/4, 详见图纸/ISO-1179-1/BSPP 'G' Series, Size From 1/8 to 1/4, See Drawing For Details							
V1 V2 阀体油口/Ports Valve	ISO-1179-1/BSPP 'G' 系列, 尺寸 3/8, 详见图纸/ISO-1179-1/BSPP 'G' SAE Series, Size is 3/8, See Drawing For Details							





KT40 系列 /KT40 SERIES

型号 /Model	28	50	67
输出扭矩 /Drive Torque Nm@21MPa	2800	5000	6700
保持扭矩 /Holding Torque Nm@21MPa	6100	10600	14300
旋转角度 /Rotation Angle	220°	220°	200°
跨步安装最大弯矩 /Max Cantilever Moment Nm	4200	7600	10100
径向负载 /Radial Capacity kg	2040	3130	3900
轴向负载 /Axial Capacity kg	2040	3130	3900
排量 /Displacement cc	775	1360	1650
重量 /Weight kg	33.6	58	75
D1 安装盘直径 /Dia Of Mounting Flange mm	140	165	178
D2 花键连接器 (可选) 直径 /Spline Connector (Optional) Diameter mm	80	89.9	98.3
F1 轴端花键尺寸 /Shaft end spline size	公制尺寸, 详见图纸 /Metric Dimensions, See Drawing For Details		
F2 轴端固定孔规格 (两端) /Shaft End Fixing Hole Size (Both Ends) mm	M12*1.75	M12*1.75	M12*1.75
F3 地脚安装孔螺帽规格 /Foot Thread Mounting Hole Specifications mm	M16*2	M20*2.5	M22*2.5
H1 不含平衡阀高度 /Height without counterbalance valve mm	150	176	203
H2 底面距中心线高 /Height of Center Hole mm	73.2	83.9	102
H3 总高度 /Overall Height mm	173	196	220
L1 总长度, 含连接器 /Overall Length With Connectors mm	431	561	608
L2 总长度, 不含连接器 /Overall Length Without Connectors mm	417	546	579
L3 不含旋转部分长度 /Length Without Swivel Flange mm	335	422	445
L4 地脚安装孔距 /Foot Mounting Hole Distance	265	320	320
L5 轴端面与安装孔距离 /Distance Between Shaft End and Mounting Hole mm	75.1	113	130
L6 轴伸 /Shaft Extension mm	40.9	61.9	67.6
L7 花键长度 /Spline Length mm	20.6	40	49
L8 可选花键连接器长度 /Optional Spline Connector Lengths mm	32.5	52.6	60.5
W1 地脚安装孔宽度 /Mounting Width mm	104	140	150
W2 总宽度 /Overall Width mm	133	170	203
P1 P2 壳体油口 /Ports Housing	ISO-1179-1/BSPP 'G' 系列, 尺寸从 1/8 到 1/4, 详见图纸 / ISO-1179-1/BSPP 'G' Series, Size From 1/8 to 1/4, See Drawing For Details		
V1 V2 阀体油口 /Ports Valve	ISO-11926/SAE 系列, 尺寸为 7/16, 详见图纸 /ISO-11926/SAE Series, Size is 7/16, See Drawing For Details.		

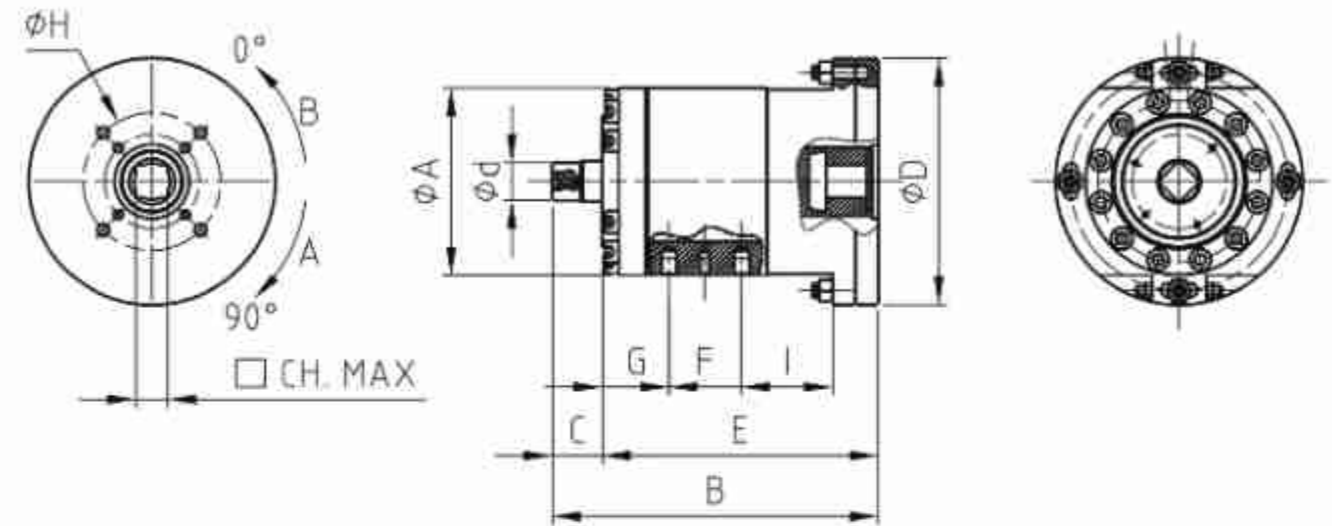
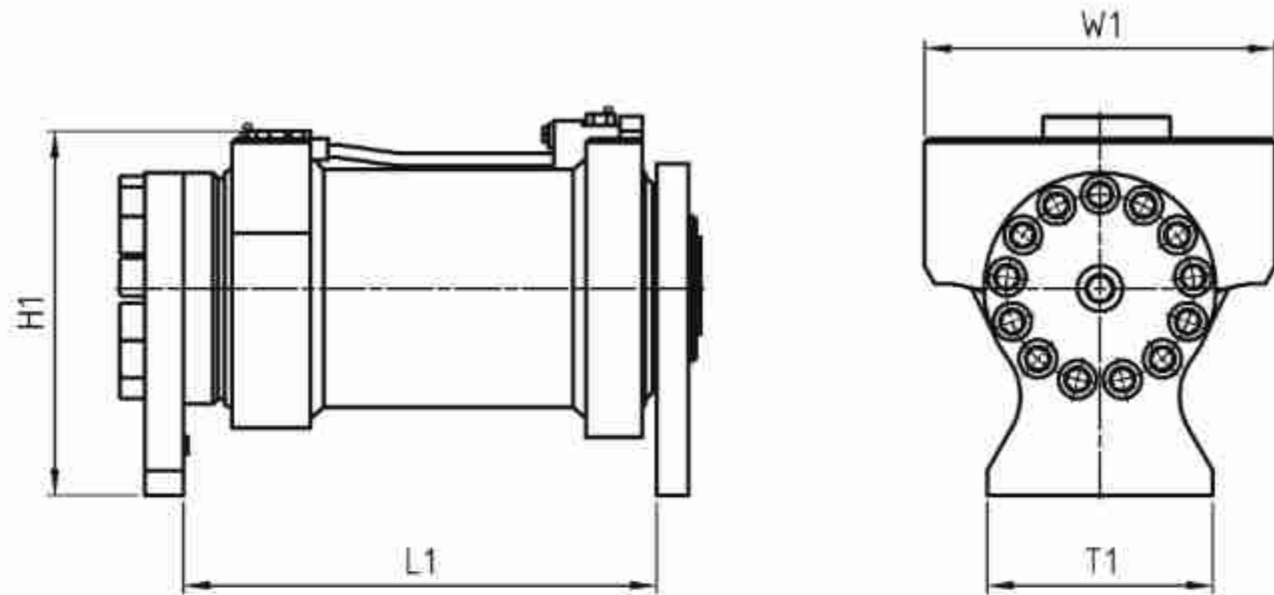


KT50 系列 /KT50 SERIES

型号 /Model	05	06	07	08	09	10	11	12
驱动扭矩 /Drive Torque (Nm)	930	2820	4740	7110	10620	14690	18640	24860
保持扭矩 /Holding Torque (Nm)	2470	5640	9480	14200	21240	29380	37280	49720
重量 /Weight (kg)	35	85	145	195	260	385	545	680
排量 /Displacement (L/min)	240	525	1060	1460	1935	2600	3515	4540
旋转角度 /Total Tilt	180°	180°	180°	180°	134°	134°	134°	134°
最大机器重量 /Maximum Machine Weight (kg)	1800	4775	6800	9100	13000	20000	27000	34000
尺寸 /Dimension (mm)	A	212	238	288	345	372	408	495
	B	230	335	378	488	495	535	595
	C	190	216	276	270	210	445	480
	D	98	127	152	155	375	254	268
	E	98	127	145	180	260	290	268
	F	203	230	280	285	300	347	395







KTPT2 系列 /KTPT2 SERIES

型号 /Model	4.5	30	50	70	100	180	240	300	465
实际机器重量 /Actual Machine Weight (tonnes)	1.5 - 1.8	1.9-3.0	3.0-5.0	5.0-7.0	7.0-10.0	11.0-18.0	18.0-23.0	24.0-32.0	32.0-50.0
高度尺寸 H1/Height Dim H1 (mm)	203	170	193	259	285	294	375	382	418
长度尺寸 L1/Length Dim L1 (mm)	215	242	270	343	378	432	495	535	583
高度尺寸 W1/Width Dim W1 (mm)	190	190	218	254	280	380	465	480	550
宽度尺寸 T1/Width Dim T1 (mm)	98	120	130	160	180	310	330	350	400
含收管的重量 /Weight (w/ manifold/no feet) (kg)	23	27	39	67	84	142	213	253	332
驱动扭矩 207bar/Drive Torque 207bar (Nm)	930	1630	2600	4375	6650	13300	17875	24860	44300@310bar
制动扭矩 225bar/Brake Torque 225bar (Nm)	2260.0	6430	9350.0	14850	20450.0	40725	53100	70280.0	111800@324bar

KTRL75/200 系列 /KTRL75/200 SERIES

型号 /Model	75	110	140	200
phi A	132	137	151	151
B	260	286	299	330
C	37	37	50	37
phi d	30	30	30	30
phi D	169	179	168	199
E	223	249	249	293
F	58	58	58	75
G	37	38	38	38
phi H	102-F10-	125-F12-	102-F10-	140-F14-
I	91	111	-	135
CH(max)	36	44	36	52
Min./Max.PRESSURE(bar)	30-160	30-160	30-160	30-160
扭矩/Torque (Nm@100bar)	790	1160	790	1997
排量/Displacement (cm³)	179	262	179	450
重量/Weight	19	27	22	35
油口/Ports	1/4	1/4	1/4	1/4
工作温度/Working Temp. (°C)	-20-80	-20-80	-20-80	-20-80
位置指示器 /Position Indicator Kit (optional)	RL33/K...	RL33/K...	RL33/K...	RL33/K...





摆动油缸广泛应用到工程机械的各个方面，图中分别是在煤矿机械和隧道设备中的应用。

Hydraulic rotary actuator is widely used in all aspects of construction machinery, and the picture are used in coal mining machinery and tunnel equipment.

图中是摆动油缸在湿喷台车中的应用，通常 X/Y 轴线安装两种摆动油缸提供不同方向的旋转。

The picture shows the application of hydraulic rotary actuator in wet spray trolley, usually x/y axis installation of two swing cylinder to provide different direction of rotation.



图中是摆动油缸在挖掘机挖斗关节处的应用，在车身不动的基础上实现挖斗的旋转，大大提高了工作效率。

The picture shows the application of hydraulic rotary actuator at the joint of excavator bucket. The bucket rotation is realized on the basis of car body immobility, and the working efficiency is greatly improved.



图中是摆动油缸在高空作业车的应用，可以使作业平台自由转动，提升了作业效率。

The picture shows the application of hydraulic rotary actuator in the aerial work truck, which can make the working platform rotate freely and enhance the operation efficiency.



图中是摆动油缸在垃圾清扫车上的应用，简化了翻转运动，并且使翻转更可靠。

The picture shows the application of hydraulic rotation actuators on a garbage sweeper, which simplifies the turning motion and makes turning more reliable.



图中是在输油管道等阀门中的应用，实现远程安全高效操作。

The picture shows the application of hydraulic rotary actuators in oil pipelines and other valves to achieve remote safe and efficient operation.







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Kaite Hydraulic has established a professional and standardized quality inspection system,  
each link is guarded by a dedicated person,  
each hydraulic rotary actuator factory has an exclusive community code,  
to achieve a comprehensive traceable source of production; sales and service,  
to create a one-stop cooperation mode of "at your side, rest assured that trust" for customers.



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