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JIETAIHAOLI

专业旋挖钻机配件制造商
Professional Manufacturer of Hydraulic Piling Rig Spares

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搓管机&拔管机
Casings oscillators & Pile puller



捷泰豪力
JIETAIHAOLI

搓管机 Casing Oscillators



JTV系列的液压搓管机结构坚固而紧凑，可安装于旋挖钻机的前端。安装于旋挖钻机的底盘时，搓管机的全部扭矩可转移至套管，凭借钻机的重量可产生反作用力，作用于安装套管过程中产生的垂直力。通过调节搓管机和钻机之间的相对水平位置，精确定位套管位置。

通过专用的连接装置，可将搓管机锁紧在不同类型的钻机底盘上。液压动力由钻机的车载液压系统提供。作为备选方案，搓管机也可由外接液压装置提供动力，通过遥控进行单独操作。

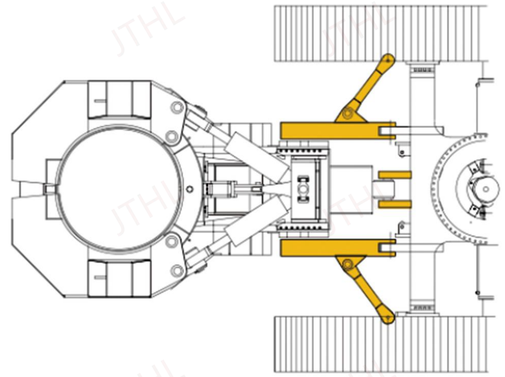
多链节式夹持器可确保将所有力以均匀表面压力的方式转移至特定类型和形状的钻机套管。搓管机易于调整，在现场通过安装补芯套件可以方便地适用于较小直径的套管。

JTV serious hydraulic casing oscillators are designed to be used as front-end attachment to rotary drilling rigs by their sturdy and compact construction. When mounted to the undercarriage of a rotary drilling rig,the full torque of the casing oscillator can be transferred to the casing string and the weight of the drilling rig can be activated as a reaction force to the vertical forces generated during installation of the drill casing. Exact setting-up over the pile position is achieved by adjustment of the relative horizontal position between casing oscillator and drilling rig.

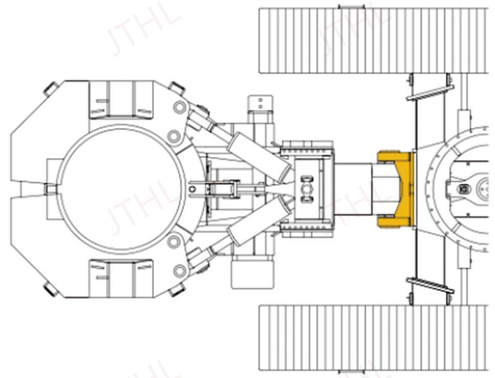
Mounting the casing oscillator with positive locking to different types of undercarriage is achieved by type-specific adapter units.The hydraulic power supply is provided by the on-board hydraulic system of the drilling rig.As an alternative,the casing oscillator can also be powered by an external hydraulic power pack and operated by remote control independently from the drilling rig.

The multi-link clamping collar ensures a positive-fit and form-specific transfer of all forces to the drill casing by uniform surface pressure.The casing oscillator can easily be adapted on site for use with smaller casing diameters by appropriate sets of inserts.

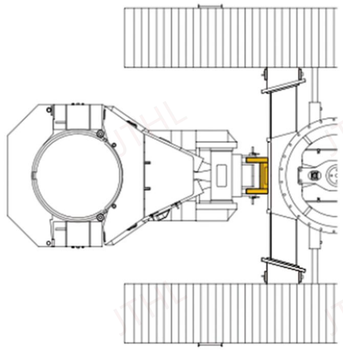
底盘连接 Connection to undercarriage



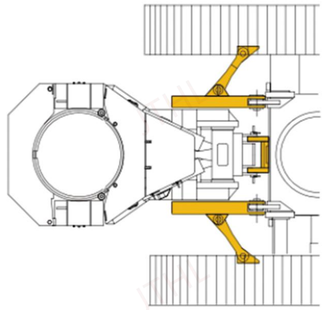
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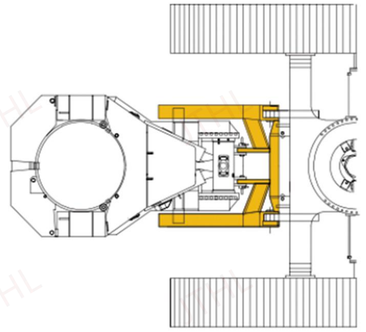
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III

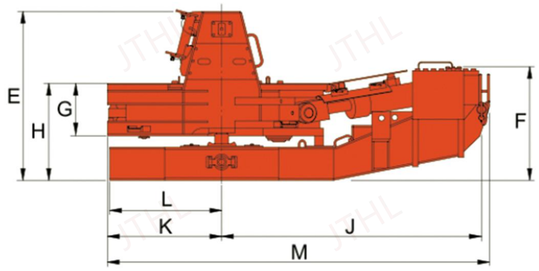


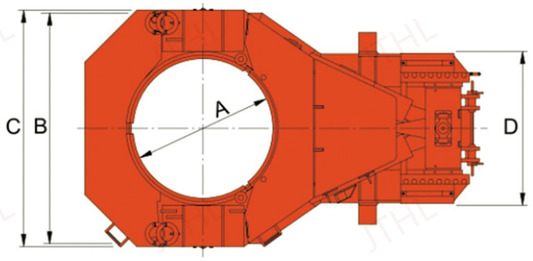
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V

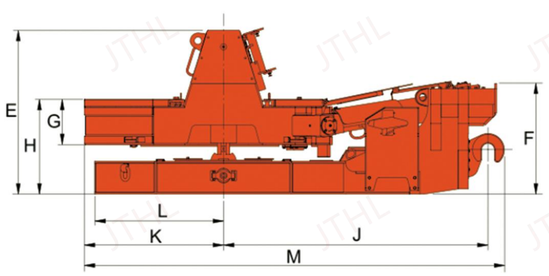
JTV 1180 HD-03 . JTV 1300 L-03

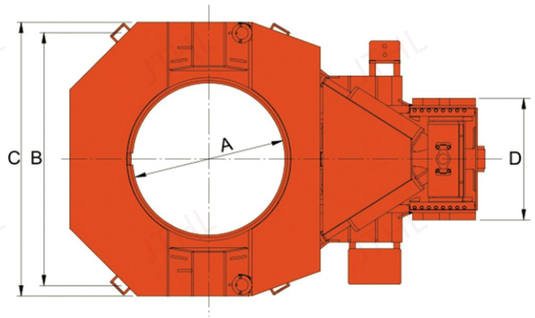




	技术数据	Technical data		JTV 1180 HD-03	JTV 1300 L-03
A	最大套管直径	Max.casing diameter	mm	1180	1300
	最大工作压力	Max.operating pressure	bar	320	320
	扭矩	Torque	kNm	1075	1140
	行程	Stroke	mm	500	500
	提升力	Lifting force	kN	1450	1450
	夹紧力	Clamping force	kN	750	750
	摇摆角度	Rotation angle	°	26	25
	套管摆动线周长	Casing rotation	mm	267	283
	重量（约）	Weight (approx.)	kg	7500	8000
	尺寸	**Dimensions**			
B	基架的宽度	Width of base frame	mm	2010	2270
C	夹钳的宽度	Width of clamp	mm	2030	2300
D	靠近主机一侧的宽度	Width on carrier side	mm	1300	1300
E	总高度	Overall height	mm	1480	1480
F	靠近主机一侧的高度	Height on carrier side	mm	1038	1038
G	夹钳的高度（加盖）	Height of clamp (with cover)	mm	460	460
H	地面距夹钳顶部的高度	Height ground to top of clamp	mm	850	850
J	桩的中心距到底盘连接点的距离	Dist.pile axis -	mm	2275	2335
	水平调节长度	Horizontal adjustment length	mm	530	530
K	桩的中心距到夹钳前端的距离	Dist.pile axis -front of clamp	mm	1000	1100
L	桩的中心距到基架前端的距离	Dist.pile axis -front of frame	mm	980	1040
M	总长度	Overall length	mm	3345	3505

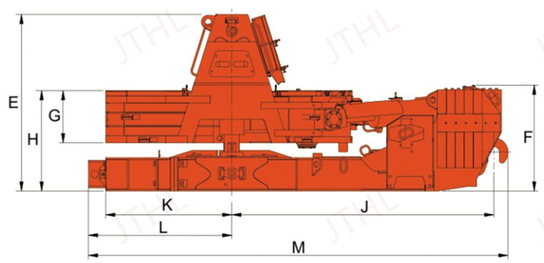
JTV 1500 HD-07

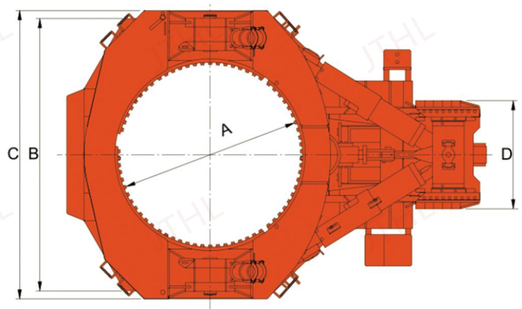




	技术数据	Technical data		JTV 1500 HD-07
A	最大套管直径	Max.casing diameter	mm	1500
	最大工作压力	Max.operating pressure	bar	320
	扭矩	Torque	kNm	2200
	行程	Stroke	mm	520
	提升力	Lifting force	kN	2010
	夹紧力	Clamping force	kN	965
	摇摆角度	Rotation angle	°	25
	套管摆动线周长	Casing rotation	mm	327
	重量（约）	Weight (approx.)	kg	12500
	尺寸	**Dimensions**		
B	基架的宽度	Width of base frame	mm	2600
C	夹钳的宽度	Width of clamp	mm	2715
D	靠近主机一侧的宽度	Width on carrier side	mm	1200
E	总高度	Overall height	mm	1590
F	靠近主机一侧的高度	Height on carrier side	mm	1100
G	夹钳的高度（加盖）	Height of clamp(with cover)	mm	440
H	地面距夹钳顶部的高度	Height ground to top of clamp	mm	920
J	桩的中心距到底盘连接点的距离	Dist.pile axis -carrier connection	mm	2565
	水平调节长度	Horizontal adjustment length	mm	690
K	桩的中心距到夹钳前端的距离	Dist.pile axis -front of clamp	mm	1350
L	桩的中心距到基架前端的距离	Dist.pile axis-front of frame	mm	1150
M	总长度	Overall length	mm	4080

JTV 2000 HD-07





配有下固定钳
with lower holding clamp

JTV 2000 HD-07

	技术数据	Technical data		
A	最大套管直径	Max.casing diameter	mm	2000
	最大工作压力	Max.operating pressure	bar	320
	扭矩	Torque	kNm	2965
	行程	Stroke	mm	600
	提升力	Lifting force	kN	2430
	夹紧力	Clamping force	kN	1125
	摇摆角度	Rotation angle	°	25
	套管摆动线周长	Casing rotation	mm	436
	重量（约）	Weight (approx.)	kg	20000
	尺寸	**Dimensions**		
B	基架的宽度	Width of base frame	mm	3150
C	夹钳的宽度	Width of clamp	mm	3200
D	靠近主机一侧的宽度	Width on carrier side	mm	1200
E	总高度	Overall height	mm	1960
F	靠近主机一侧的高度	Height on carrier side	mm	1175
G	夹钳的高度（加盖）	Height of clamp(with cover)	mm	580
H	地面距夹钳顶部的高度	Height ground to top of clamp	mm	1115
J	桩的中心距到底盘连接点的距离	Dist.pile axis -carrier connection	mm	2905
	水平调节长度	Horizontal adjustment length	mm	690
K	桩的中心距到夹钳前端的距离	Dist.pile axis -front of clamp	mm	1400
L	桩的中心距到基架前端的距离	Dist.pile axis-front of frame	mm	1590
M	总长度	Overall length	mm	4655

搓管机配件 Accessories for casing oscillators

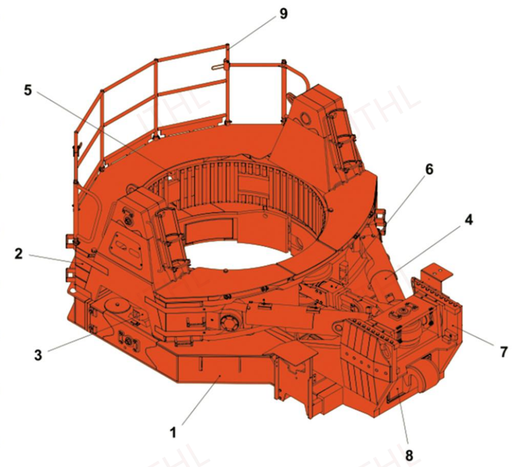
JTHL 搓管机配件 Accessories for JTHL casing oscillators	
液压动力装置	Hydraulic power pack
安全栏杆	Safety rails

补芯 **Reduction inserts**

套管直径 Casing diameter	搓管机 Casing oscillator			
(mm)	JTV 1180	JTV 1300	JTV 1500	JTV 2000
620	o	o		
750	o	o		
880	o	o	o	
1000	o	o	o	
1180		o	o	
1200			o	
1300			o	
1500				o
1800				o

可根据需求提供其他补芯件
Other reduction inserts on request

主要部件描述 Description of main components	
1	基架 Base frame
2	夹钳 Clamp
3	提升油缸 Lifting cylinder
4	夹钳摇摆油缸 Clamp rotation cylinder
5	夹紧油缸(加盖) Clamping cylinder (covered)
6	对中调节杆 Centering rod
7	滑块 Slide block
8	滑动箱（用于水平调整） Sliding box (for horizontal adjustment)
9	安 全 栏 杆(可选) Safety rails (optional)



液压动力装置 HD 460　　Hydraulic Power Pack HD 460

技术规格　　Technical Specitications

HD460液压动力装置尤其适用于向各种液压设备提供动力。该设备构造非常紧凑,可完全整合至铁制柜子中。本设备由现代工业发动机驱动。六缸四冲程柴油机配有涡轮增压器和气冷式增压冷却系统，整个传动系统可纵向安装在柜子中。
3回路冷却系统使HD460能够在环境温度(-20℃至50℃)下操作。

The HD 460 hydraulic power pack is ideally suited for supplying power to a diverse range of hydraulic equipment. Being fully integrated into a steel container it offers a very compact form of construction.It is driven by a modern industrial engine.The six-cylinder four-stroke diesel engine is fitted with a turbo charger and an air-cooled charge air cooling system. The entire drive train is mounted longitudinally in the container.
The 3-circuit cooling system has been designed to enable the HD 460 to be operated in ambient temperatures ranging from -20℃ to +50℃.

发动机	**Engine**	
额定输出功率	Rated power output	**260 kW**
额定转速	Nominal rotation speed	**1,800 U/min (rpm)**
燃料箱的容量	Volume of fuel tank	**575 l**
发动机符合《废气排放标准》	Engine conforms to Exhaust Emission Standard	**EEC 97/68 EC Stage Ⅲ A EPA/CARB TIER 3 可选：Stage III B optional:TIER 4 interim**
液压系统	**Hydraulic system**	
流速(开路)	Flow rate (open circuit)	**460 l/min**
最大油压	Max,oil pressure	**350 bar**
液压油箱的容量	Hydraulic oil tank capacity	**400 l**
电气系统	**Electric system**	
2x12伏特系列，143 Ah	2x12 volts serial each 143 Ah	
电压	Voltage	**24 V**

基本型号（尺寸）　　Basic model(dimensions)

基本型号的HD460液压动力装置的总重量为4850kg。对于所有的其他型号,当从上方观察时,动力装置的重心稍微偏离壳体(液压管路输出盘)前端的中心。

The basic model of the HD 460 hydraulic power pack has an overall weight of 4850 kg.As with all other models,the power pack's centre of gravity has been moved slighty off centre towards the front of the housing (manifold plate)when viewed from above.

长度 Length	4850 mm
宽度 Width	2100 mm
高度 Height	2715 mm
重量* Weight	4850 kg

* 为燃料箱空置重量
Fuel tank empty

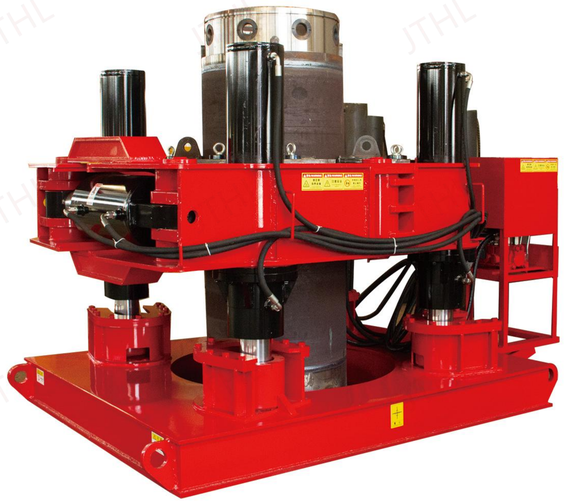


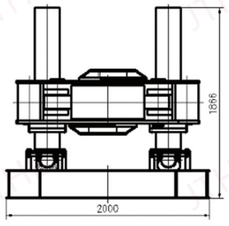


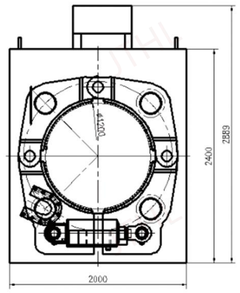
拔管机 Pile Puller

拔管机是各类岩土钻掘工程中钻机的配套辅助设备，适用于灌注桩、地下连续墙、全护筒工艺等，用于起拔钻孔护壁套管和钻杆。也可用于各类钻具事故处理中起拔套管和钻杆。

The pipe drawing machine is an auxiliary equipment for various types of rock and soil drilling projects. It is suitable for cast-in-situ piles, underground continuous walls, and full-cylinder processes. It is used to lift the drilling wall casing and drill pipe. It can also be used to lift casings and drill pipes in the handling of various drill accidents.







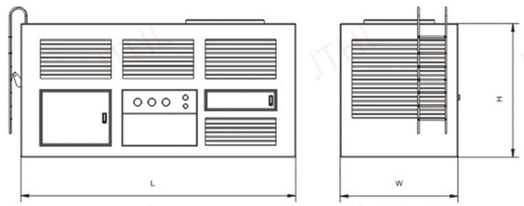
	规格Size		1000	1200	1500	2000
D	最大套管直径 / Max.Casing diameter	mm	1000	1200	1500	2000
	起拔油缸数量	个	4	4	4	4
	抱紧油缸数量	个	1	1	1	1
	工作压力 / Operating pressure	Mpa	27	27	27	27
	提升行程/ Stroke	mm	1000	1000	1000	1000
	提升力 / Lifting force	t	280	320	400	600
	夹紧力 / Clamping force	t	100	120	170	220
	长*宽*高 / Length of machine	m	2.2*1.8*1.7	2.4*2*2	2.8*2.4*2.2	4*3*2.4
	重量 /Weight	kg	7000	8700	12000	14000

动力站 Power Pack

动力站发动机分为电动机和柴油机两种类型，可以根据用户需要自由选配，也可以根据用户的需求特殊定制。

The power station engine is divided into two types of electric motor and diesel engine, which can be freely selected according to user needs, and can also be customized according to user needs.





		电动机动力站 Electric motor power station		柴油机动力站 Diesel engine power station	
		1000~2000		1000~2000	2200~3000
发动机/Motor		三相异步电动机 Three-phase asynchronous motor		康明斯Cummins QSB-5.9-C180-33	康明斯Cummins QSC8.3-C240-30
功率/ Power	kw	45	60	180/133kw	240/179kw
转速/ Revoltions	rpm	1500	1500	2200	2200
供油量/ Pumps Outpu	L/min	60	90	2×200	2×208
工作压力/Operating pressure	Bar	300	300	270	270
油箱容量/ Capacity Hydr.液压/柴油/Oil/Fuel	L	600	850	1300/400	2200/460
外形尺寸/Dimensions	mm	2000×1500×1800	2500×1500×2200	3500×1700×2000	4000×2000×2000
重量/Weight	Kg	2700	3650	5400	6500