



永安机械
YONGAN MACHINERY

液压冲击锤

HYDRAULIC IMPACT HAMMER



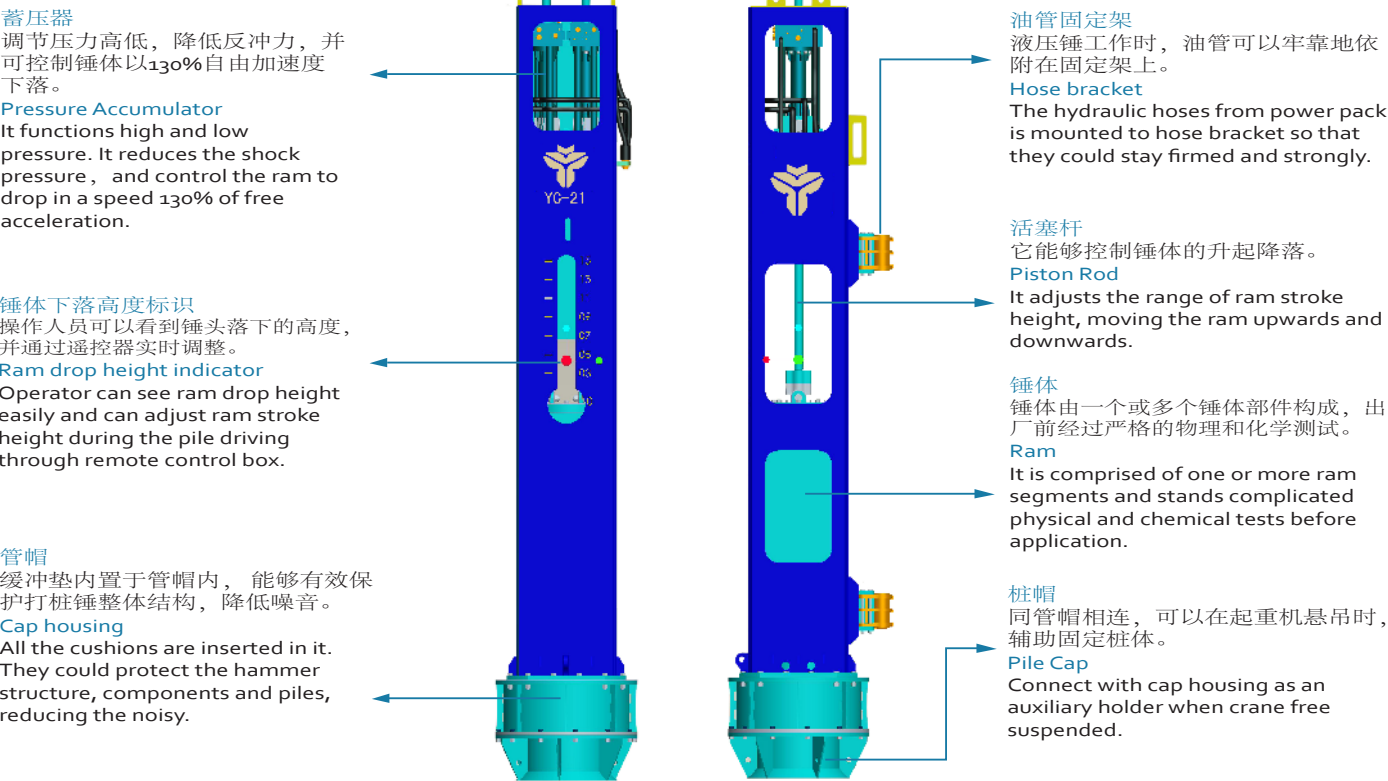
Technical Data

技术参数 >>

型号 Model		YC-5	YC-8	YC-11	YC-15	YC-17	YC-21	YC-25
液压冲击锤 Hydraulic impact hammer	冲击能量 Impact energy (KN. m)	60	120	165	225	255	315	375
	锤体行程 Ram stroke height (mm)	1200	1500	1500	1500	1500	1500	1500
	冲击频率 Impact frequency (per min/Max) (BPM)	40/98	38/90	38/90	35/90	35/90	30/90	28/85
	锤体质量 Ram weight (Kg)	5000	8000	11000	15000	17000	21000	25000
	提升方式 Lifting method	单缸提升 Single hydraulic cylinder lifting			双缸提升 Double hydraulic cylinder lifting			
动力站 Power pack	发动机功率 Engine power (HP)	180	260	325	400	550	600	900
	操作压力 Operating pressure(Mpa)	24	24	24	24	24	24	24
	最大流量 Max oil flow(L/min)	200	260	380	550	680	760	910
	油箱容积 Hydraulic oil tank volume (L)	800	1200	1400	1800	2000	2000	2200
	燃油容积 Fuel tank volume (L)	400	500	500	500	600	600	700
尺寸 (不含桩帽) Size (W/O pile cap)	长 Length (mm)	5500	6500	6650	7050	7160	7188	7638
	宽 Width (mm)	900	950	976	1052	1106	1260	1300
	高 Height (mm)	900	950	976	1052	1106	1260	1300

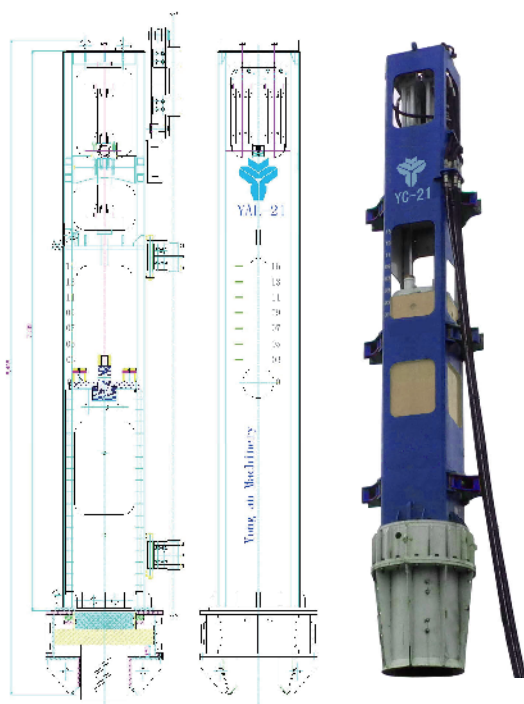
Product structure

产品结构 >>



Product feature

产品特性 >>



1. 高能量效率和传递

由于锤体的高效化设计和缓冲垫的安放，锤头传递到桩头上的打击能量的损失大大减少，工作的效率得以最大化。

通过蓄压器系统，实现锤头下落中的加速和能耗补偿。

PROMINENT ENERGY TRANSFERRING RATE

With the help of efficient design of hammer body and the cushion arrangement, impact energy transferred with lower energy loss. That means the job efficiency can be maximized.

Equipped with Pressure Accumulator system, which could quicken the drop and compensate the energy loss during ram drop.

2. 多功能性和广泛的应用范围

永安打桩锤广泛使用于混凝土桩（圆形，方形，六方型），钢管桩，工字钢桩，板桩等。

固定导轨式（圆柱形和四方形），起重机悬吊式，海上导轨式，U型架等形式都可应用。

不仅可以用于陆上和海上打桩工况，斜桩、水下5米内打桩、动力冲击、打板桩等都可以适用。

VERSATILITY AND WIDE RANGE OF PILE DRIVING APPLICATION

Yongan pile hammer could inserts many types and sizes of piles: Concrete pile (round shape, square shape and octagonal shape), steel casing pile, H-Beam and so on.

Fixed Leader Type (Round Shape and Square Type), Crane Suspended Type, Offshore Leader Type, U-Type Leads and others can be available.

Not only onshore and offshore pile driving conditions, but also batter piles and under water (above 5m) and sheet piling are applicable.

3. 打桩频率高，有锤头行程精确控制功能

快速打桩时可以使用高频打桩；也可以启用远程控制系统，控制稳定的锤头行程，实现精确打桩。这些功能对于防止锤头突然不稳定高度运动造成的故障极为重要。

一旦出现软基的情况，便进行轻微插桩打击，从而保护起重机或打桩机的安全。

HIGH BLOW RATE & PRECISE RAM STROKE MOVEMENT

High blow rate is effective for fast pile driving; remote control system could also function for stable ram stroke controlling. Accuracy pile driving without failure is very important for avoiding breakdown due to sudden unstable ram movement.

In case of soft driving condition, small pitching pile driving is operated, that could prevent sudden pile drop to the ground, thus suspended crane or piling rig is safe.

4. 简易化设计和高可靠性

采用简易化设计理念，使得操作维护和机械修理两方面都容易操作。采用用户友好化设计的遥控装置使得操作也简单易行。

永安液压冲击锤按照长寿命，故障最小化设计制造。电气和液压系统（包括油管、电缆、联轴器等相关附件）均采用精准设计加工，以确保系统可靠。

SIMPLICITY IN DESIGN AND LONG-TERM RELIABILITY

The adoption of simple design principle allows easy maintenance and quick trouble shooting for operators. Together, easy operation could be realized with user-friendly remote control.

Yongan hydraulic pile hammers are designed and manufactured for long life service with minimal downtime. Precise workmanship is adopted to electric and hydraulic system including hoses, cables, couplings and other related parts, thus the whole system is reliable.

5. 质量可靠的易损件

永安打桩锤只选用高品质易损件，以确保易损件使用寿命，从而降低客户的使用成本。

QUALIFIED CONSUMABLE PARTS

All Yongan hammer choose only qualified consumable parts to assure the long life time of the parts. Thus customer can save the cost from consumable parts.

