



Guide Rod Diesel Pile Hammer

导杆式柴油打桩锤

DD系列导杆式柴油打桩锤是一种利用二冲程内燃机原理进行工作的桩工机械，该打桩锤具有结构简单，操作、维修方便，性能稳定等特点。广泛应用于木桩、金属桩、混凝土预制桩、灰土桩、灌注桩、夯扩桩等桩型施工，是港口、码头、机场、桥梁、水利、高等级公路、高层建筑等基础桩施工的最理想设备。

DD Series Guide Rod Diesel Pile Hammers are used for piling machinery with two-stroke diesel engines. It has simple structure, be simple to operate and maintain, and high quality. It can be widely used for a variety of piles, including wooden pile, metal pile, prefabricated concrete pile, lime soil pile, concrete poured pile, and concrete tamped pile. These DD Series Guide Rod Diesel Pile Hammers are the ideal equipments for constructions of ports, docks, airports, bridges, water conservancies, highways and high-rise buildings, ect.



DD系列导杆式柴油打桩锤技术参数

Technical Data for DD Series Guide Rod Diesel Pile Hammer

| 型号 Type | DD1 | DD3 | DD4 | DD6 | DD12 | DD18 | DD25 | DD35 | DD45 | DD55 | DD65 | DD75 | DD85 | DD105 | DD128 | DD160 | DD180 | DD200 |
|-------------------------------------------|------------|------------|-----------|------------|------------|------------|------------|------------|-------|-------|-------|-------|------------|------------|------------|-------|-------|-------|
| 参数名称 Designation | | | | | | | | | | | | | | | | | | |
| 气缸体质量 Cylinder complex mass (Kg) | 150 | 300 | 400 | 600 | 1200 | 1800 | 2500 | 3500 | 4500 | 5500 | 6500 | 7500 | 8500 | 10500 | 12800 | 16000 | 18000 | 20000 |
| 气缸体最大冲程 Max. cylinder stroke (m) | 1.2 | 1.5 | 1.6 | 1.9 | 2.1 | 2.1 | 2.5 | 2.8 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 频率 Impact Frequency (min-1) | 60-80 | 60-70 | 60-70 | 45-60 | 45-60 | 45-60 | 35-50 | 40-50 | 35-50 | 35-50 | 35-50 | 35-50 | 35-50 | 35-50 | 35-50 | 35-50 | 35-50 | 35-50 |
| 最大能量 Max. energy (Kj) | 1.8 | 4.5 | 6.3 | 12.8 | 29.8 | 37.8 | 57.5 | 89.6 | 120 | 157 | 189 | 219 | 235 | 310 | 380 | 480 | 540 | 600 |
| 燃油消耗量 Oil consumption (l/h) | 1.0 | 1.6 | 2.1 | 3.1 | 4.5 | 6.9 | 10 | 12 | 14.5 | 16.5 | 18 | 21 | 25 | 31 | 38 | 46 | 48 | 50 |
| 最大爆炸力 Force of explosion pile (KN) | 110 | 160 | 213 | 258 | 445 | 596 | 968 | 1250 | 1430 | 1690 | 1980 | 2280 | 2560 | 2950 | 3460 | 4325 | 4510 | 4750 |
| 适宜最大桩重 Suitable for driving piles (Kg) | 400 | 1000 | 1500 | 2000 | 4000 | 5000 | 6000 | 7000 | 9000 | 13000 | 16000 | 18500 | 22000 | 30000 | 38000 | 48000 | 55000 | 60000 |
| 压缩比 Reduction ration | 18 | 18 | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 | 25 | 25 | 25 | 28 | 28 | 30 | 30 |
| 机锤总重 Hammer mass (Kg) | 300 | 610 | 1000 | 1350 | 2550 | 3350 | 4200 | 5400 | 7900 | 10000 | 13000 | 14000 | 15800 | 19600 | 24200 | 30200 | 34800 | 38900 |
| 导轨中心距 Guide distance (mm) | 120 240 | 120 240 | 槽钢 10# | 300 330 | 360 330 | 360 330 | 360 330 | 360 330 | 330 | 330 | 330 | 330 | 330 600 | 330 600 | 330 600 | 600 | 600 | 600 |

注:

- 1、随着技术进步，上述参数可能有所变动，敬请关注本公司产品改进和发展。
- 2、导轨距离120、240、300、360均为槽钢导轨形式；导轨中心距330、600均为圆管导轨型式，规格分别为Φ70、Φ102。
- 3、DD55、DD65、DD75分别有加强型规格，其最大爆炸力均比同规格提高10-15%。
- 4、对于中大吨位规格，本公司提供多导杆结构型式的打桩锤，该产品为我公司专利产品。

Note:

1. With the advances in technology, the above specifications may be subject to change. Please pay attention to the improvement and development of our company's products.
2. The type of hammers with guide distance 120mm、240mm、300mm、360mm are Channel steel, the type of hammers with distance 300mm、600mm are steel tube, the specification is Φ70、Φ102.
3. DD55、DD65、DD75 type of hammer has enhancement type hammer, the max. explosive power of them will be raised by 10-15 percent.
4. The multi-guide rod diesel pile hammer can be provide for mid-large hammers by our company, it is our patented product.