33
32
31
30
29
28
27

STARKE

DIESEL HAMMER SERIES

HD8–HD220

INTELLIGENT MANUFACTURER
OF PILING EQUIPMENT

Diesel Hammer
HD8–HD220

STARKE
Full of Might.

High striking energy

High cost performance

Easy operati on

Simpie mal ntenance

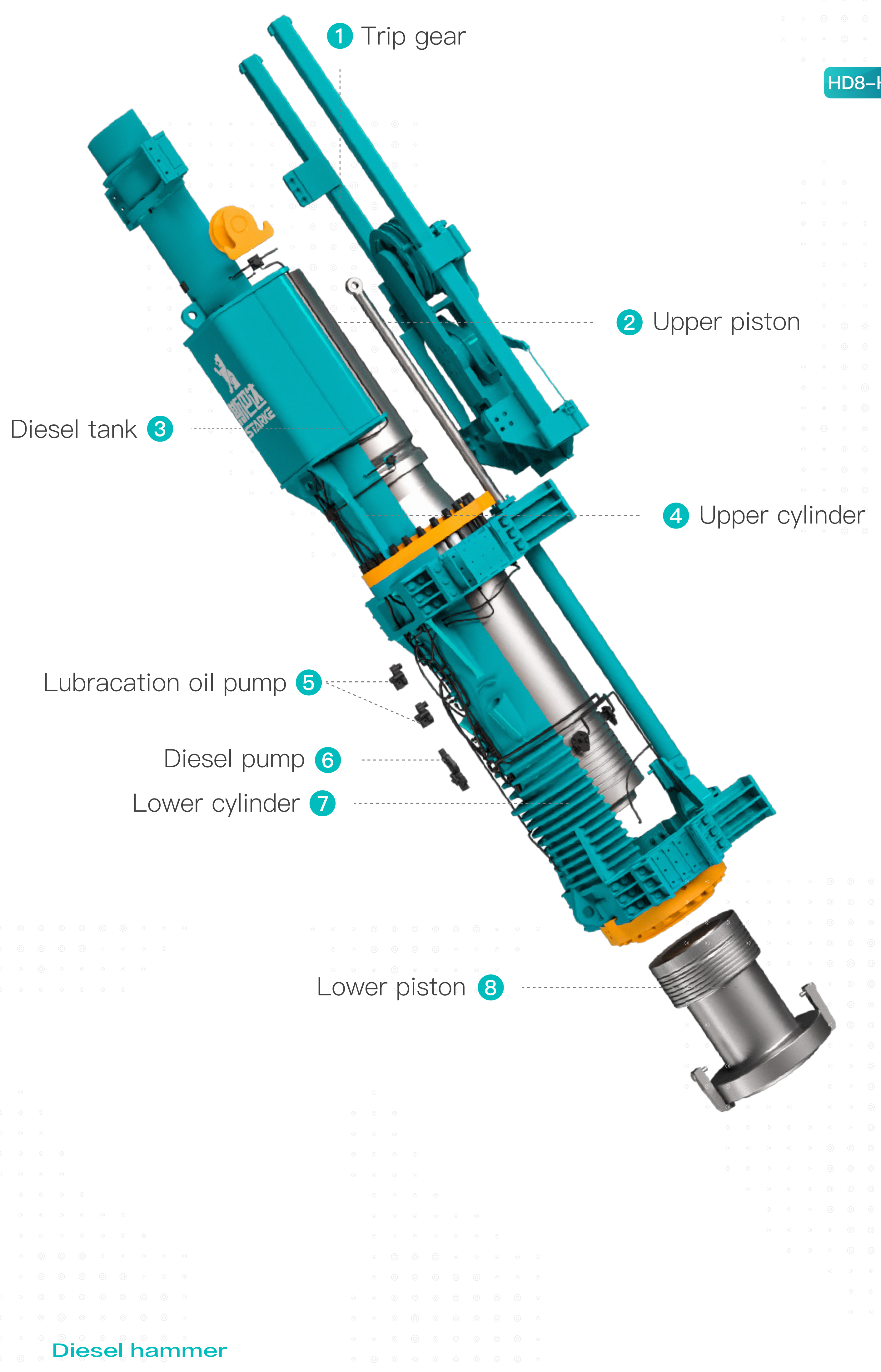
Convenient transportation

Diesel Hammer
HD8–HD220

Precision all around.

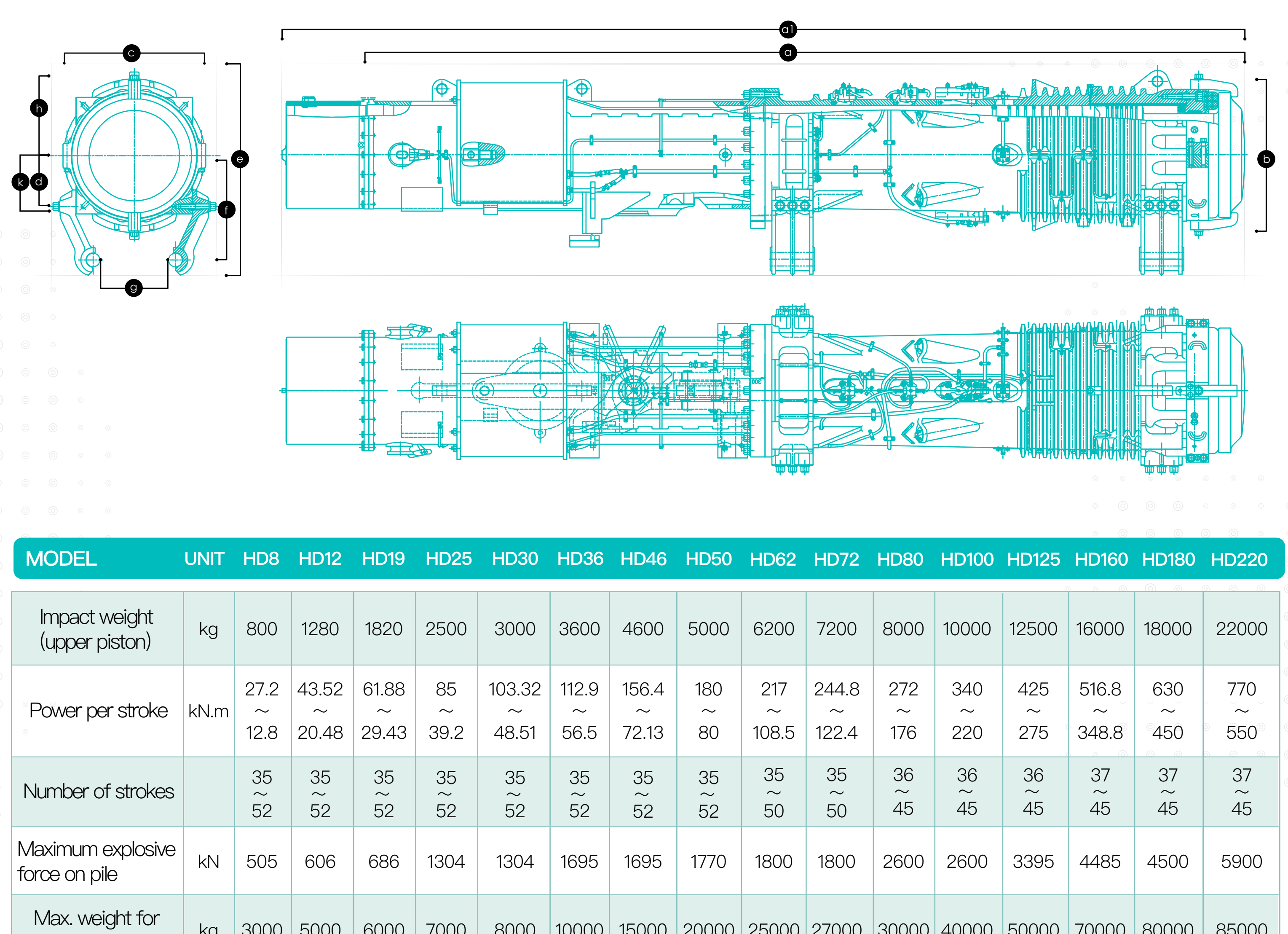
Structure

HD8–HD220



Diesel hammer

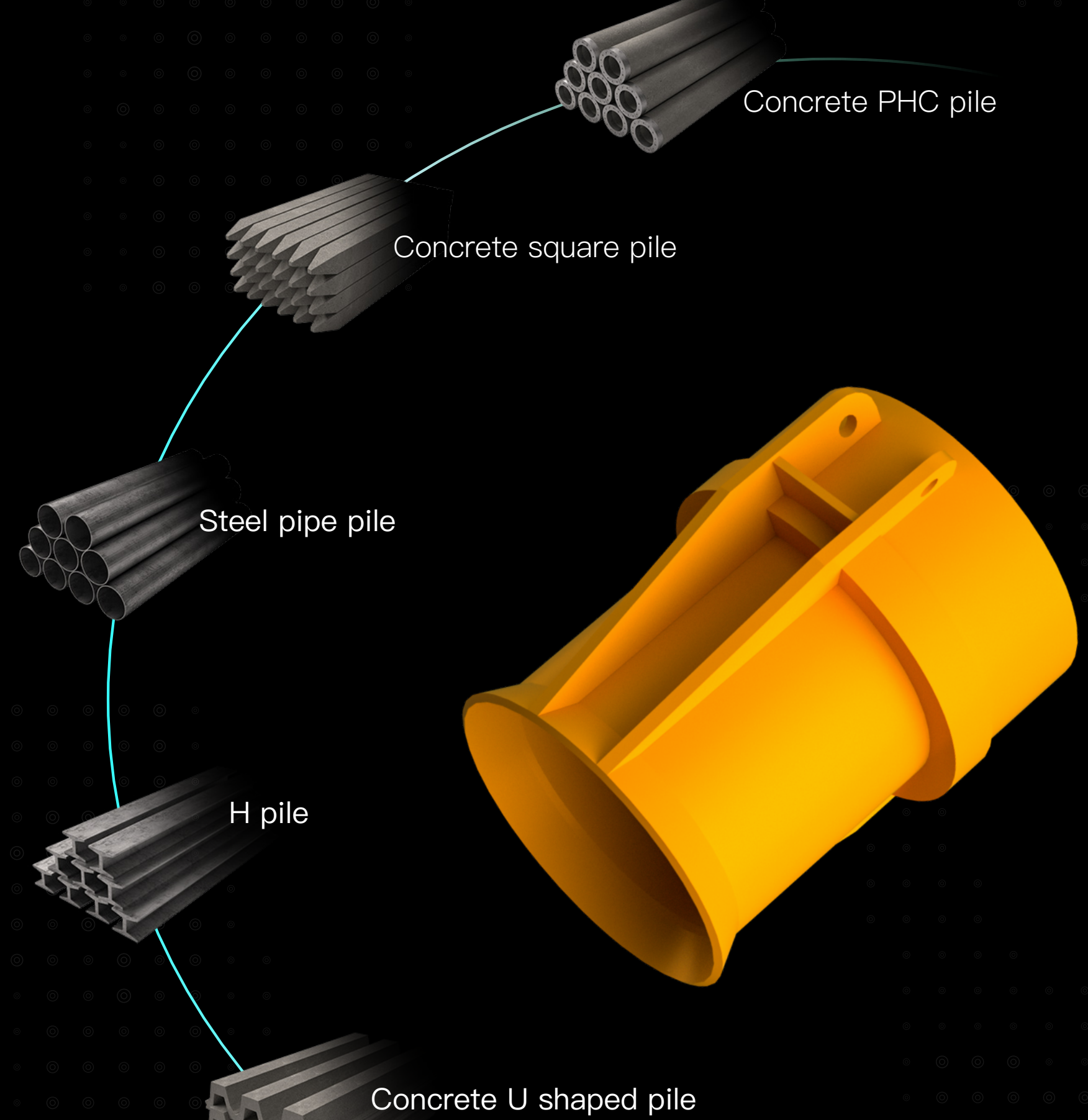
Technical Parameters



MODEL	UNIT	HD8	HD12	HD19	HD25	HD30	HD36	HD46	HD50	HD62	HD72	HD80	HD100	HD125	HD160	HD180	HD220
Impact weight (upper piston)	kg	800	1280	1820	2500	3000	3600	4600	5000	6200	7200	8000	10000	12500	16000	18000	22000
Power per stroke	kN.m	27.2 ~ 12.8	43.52 ~ 20.48	61.88 ~ 29.43	85 ~ 39.2	103.32 ~ 48.51	112.9 ~ 56.5	156.4 ~ 72.13	180 ~ 80	217 ~ 108.5	244.8 ~ 122.4	272 ~ 176	340 ~ 220	425 ~ 275	516.8 ~ 348.8	630 ~ 450	770 ~ 550
Number of strokes		35 ~ 52	35 ~ 52	35 ~ 52	35 ~ 52	35 ~ 52	35 ~ 52	35 ~ 52	35 ~ 52	35 ~ 50	35 ~ 50	36 ~ 45	36 ~ 45	36 ~ 45	37 ~ 45	37 ~ 45	37 ~ 45
Maximum explosive force on pile	kN	505	606	686	1304	1304	1695	1695	1770	1800	1800	2600	2600	3395	4485	4500	5900
Max. weight for suitable pile	kg	3000	5000	6000	7000	8000	10000	15000	20000	25000	27000	30000	40000	50000	70000	80000	85000
Max. steel rope diameter for trip gear	mm	Φ20	Φ20	Φ20	Φ22	Φ22	Φ25	Φ25	Φ25	Φ25	Φ25	Φ30	Φ30	Φ30	Φ38	Φ38	Φ38
FUEL CONSUMPTION																	
Diesel (max)	L/h	3.8	5.0	6.5	9.1	10.1	12.6	16.6	16.6	19.1	20.4	26	29	43	50	53	65
Lubricating oil (max)	L/h	2.6	2.6	2.6	2.6	2.6	3.0	3.0	3.0	3.0	3.0	5.0	5.0	5.0	5.0	5.0	5.0
VOLUME																	
diesel tank	L	31.5	34.5	37.5	63.5	63.5	83	83	81	98	98	129	129	185	300	290	400
Lubricating oil tank (max)	L	8.2	10	10	17.5	17.5	17	17	20.9	29.5	29.5	43.5	43.5	75.5	75.5	80	90
WEIGHT																	
Trip gear (approx.)	kg	160	160	160	175	175	600	600	600	600	600	1170	1170	1170	2200	2500	2500
Hammer (approx.)	kg	2050	3110	3750	5550	6050	8200	9200	11400	12300	13100	16900	20560	25500	32800	38000	47000
DIMENSIONS																	
Height of hammer (a)	mm	4418	4450	4700	4910	4910	5270	5270	5560	5990	5990	6220	6220	6383	7115	7145	7390
Height of hammer with lengthen cylinder (a1)	mm	4970	5000	5300	5410	5410	5770	5770	/	6490	6490	6720	6720	6963	7465	7845	7760
Max. outer diameter of lower piston (b)	mm	Φ350	Φ440	Φ440	Φ560	Φ560	Φ660	Φ660	Φ670	Φ710	Φ710	Φ810	Φ810	Φ910	Φ990	Φ1060	Φ1180
Max. horizontal width of hammer (c)	mm	625	625	625	700	700	930	930	1002	980	980	1100	1100	1185	1380	1580	1580
Central distance between hammer and hammer guide screw (d)	mm	200	280	280	235	235	275	275	320	380	380	350	350	370	380/ 460	/	/
Max. vertical height of hammer (e)	mm	730	770	795	930	930	1030	1030	1120	1130	1130	1376	1376	1485	1610	2000	2000
Central distance between hammer and lead guide (f)	mm	370	395	405	485	485	530	530	544	560	560	720	720	760	830	1050	1050
Central distance of lead guide (g)	mm	330	330	330	330	330/ 600	330/ 600	330/ 600	330/ 600	330/ 600	330/ 600	600	600	600	600	1000	1000
Distance between hammer center and protection board of diesel pump (h)	mm	300	327	337	380	380	440	440	460	480	480	495	495	560	620	/	/
Max. length of stroke of upper piston	mm	3573	3492	3734	3842	3842	3693	3693	4029	4518	4518	4110	4110	4556	5010	5280	5280

Strong Adaptability.

Diesel Hammer
HD8–HD220



Applicapable Pile Types

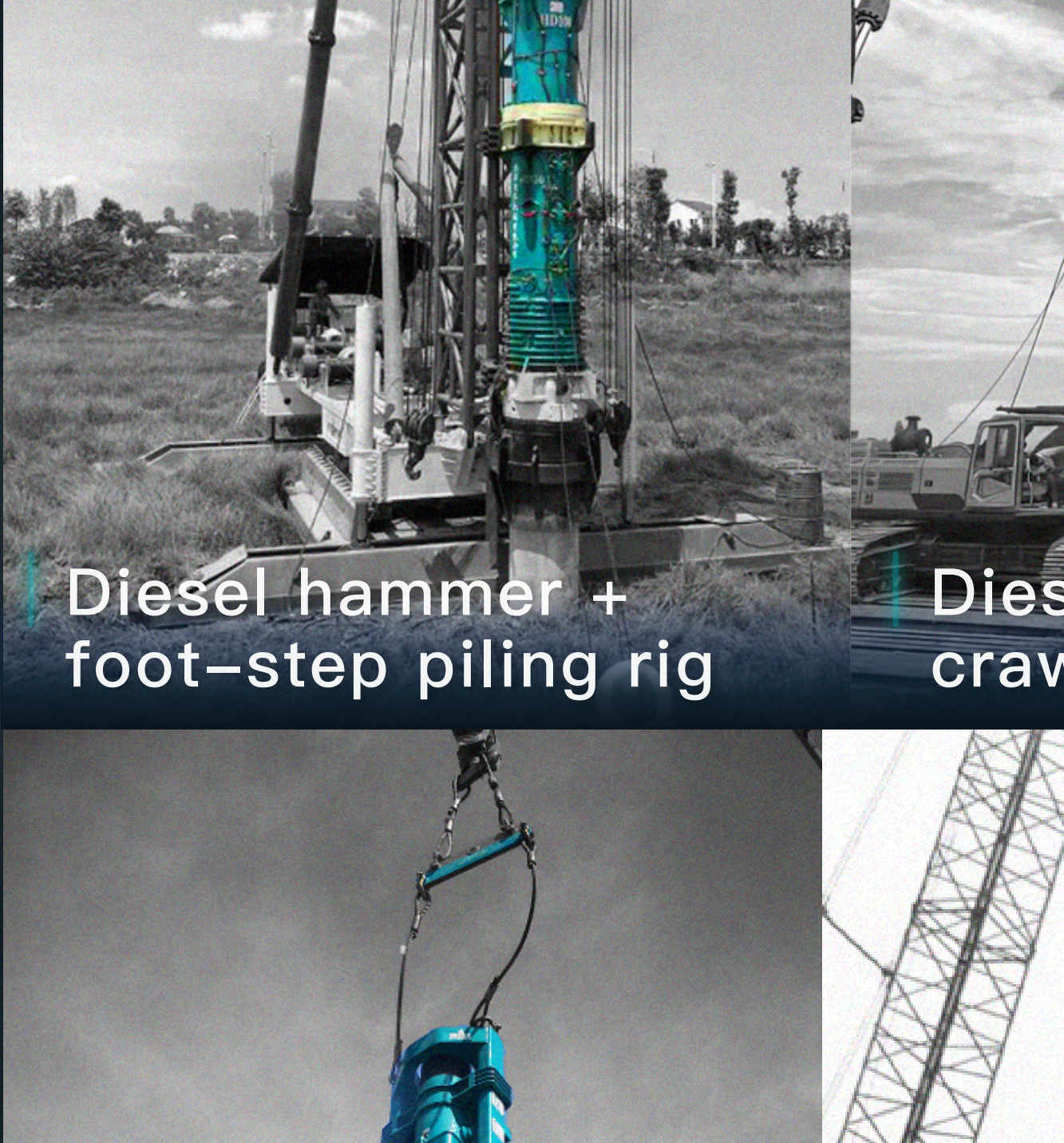
*Pile caps can be customized according to the actual needs of customers.

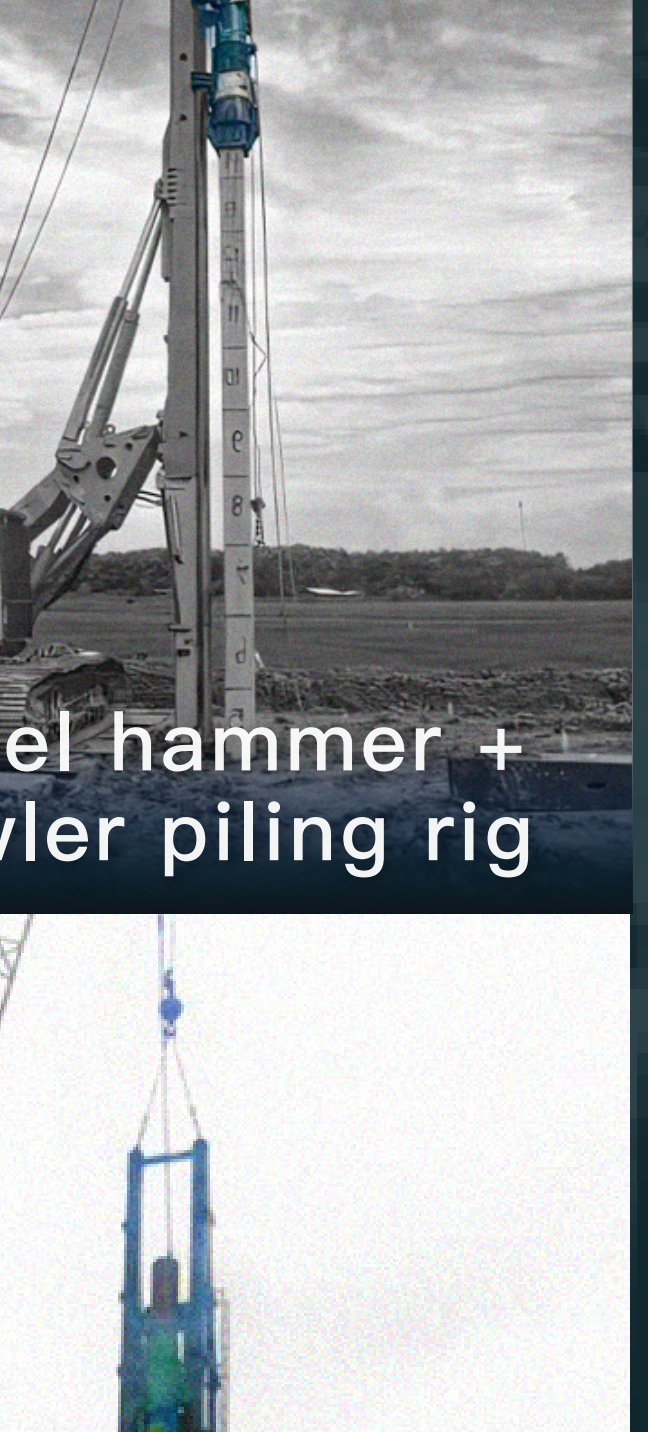
Diesel hammer

Matching Piling Method

Diesel hammer + foot-step piling rig

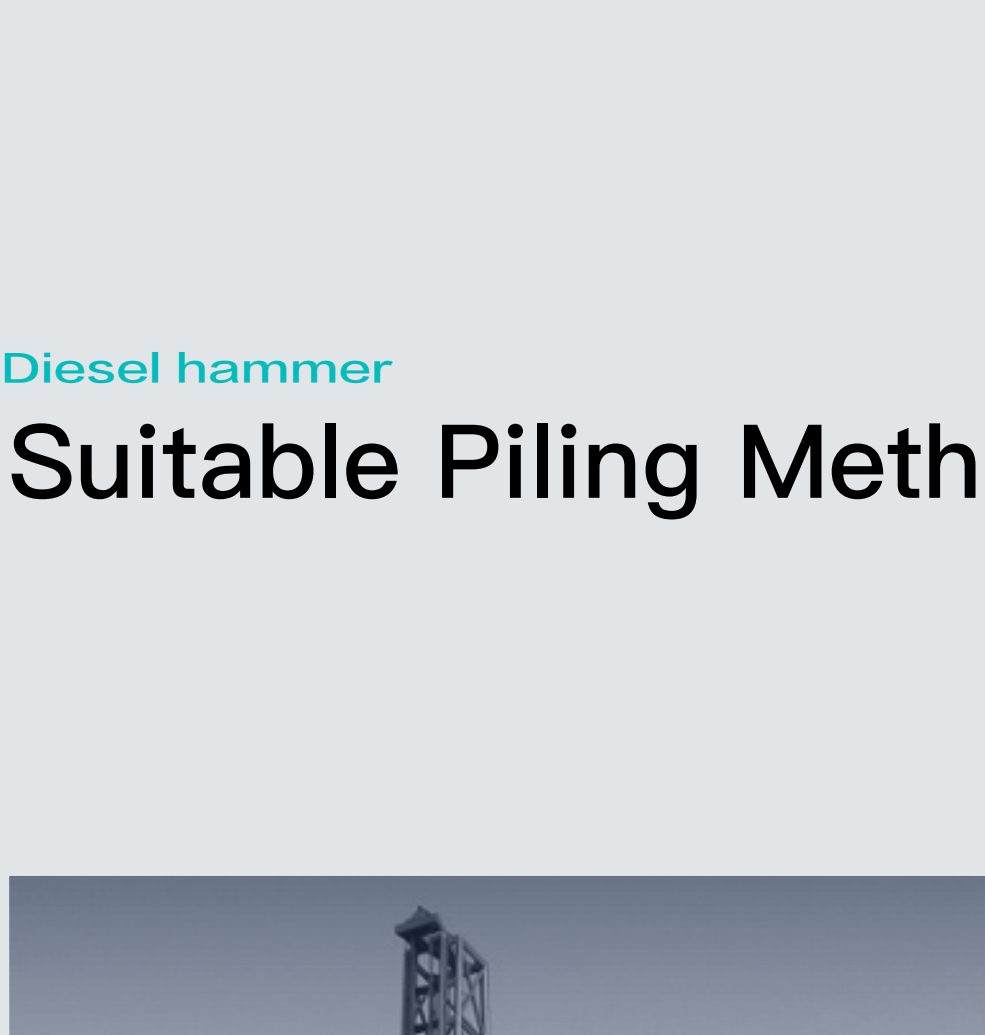
Diesel hammer + crawler piling rig

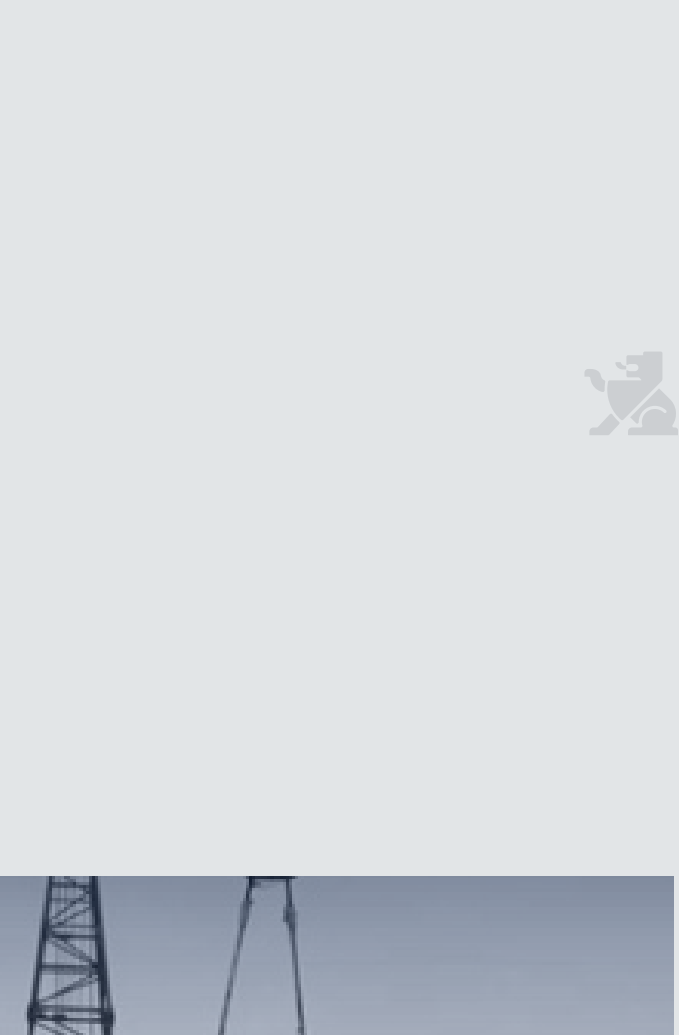

Lifting piling by crawler crane


Diesel hammer + lifting cage

Diesel hammer

Suitable Piling Method

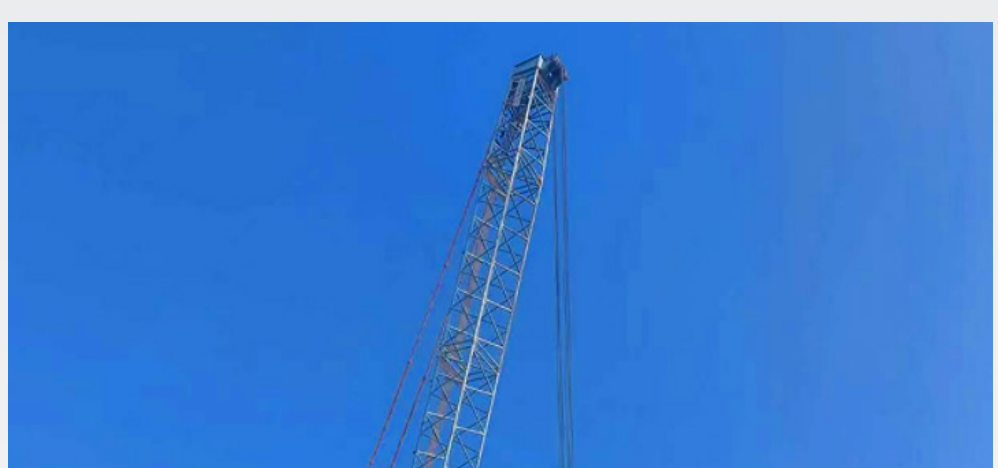

Vertical piling


Raked piling by lifting

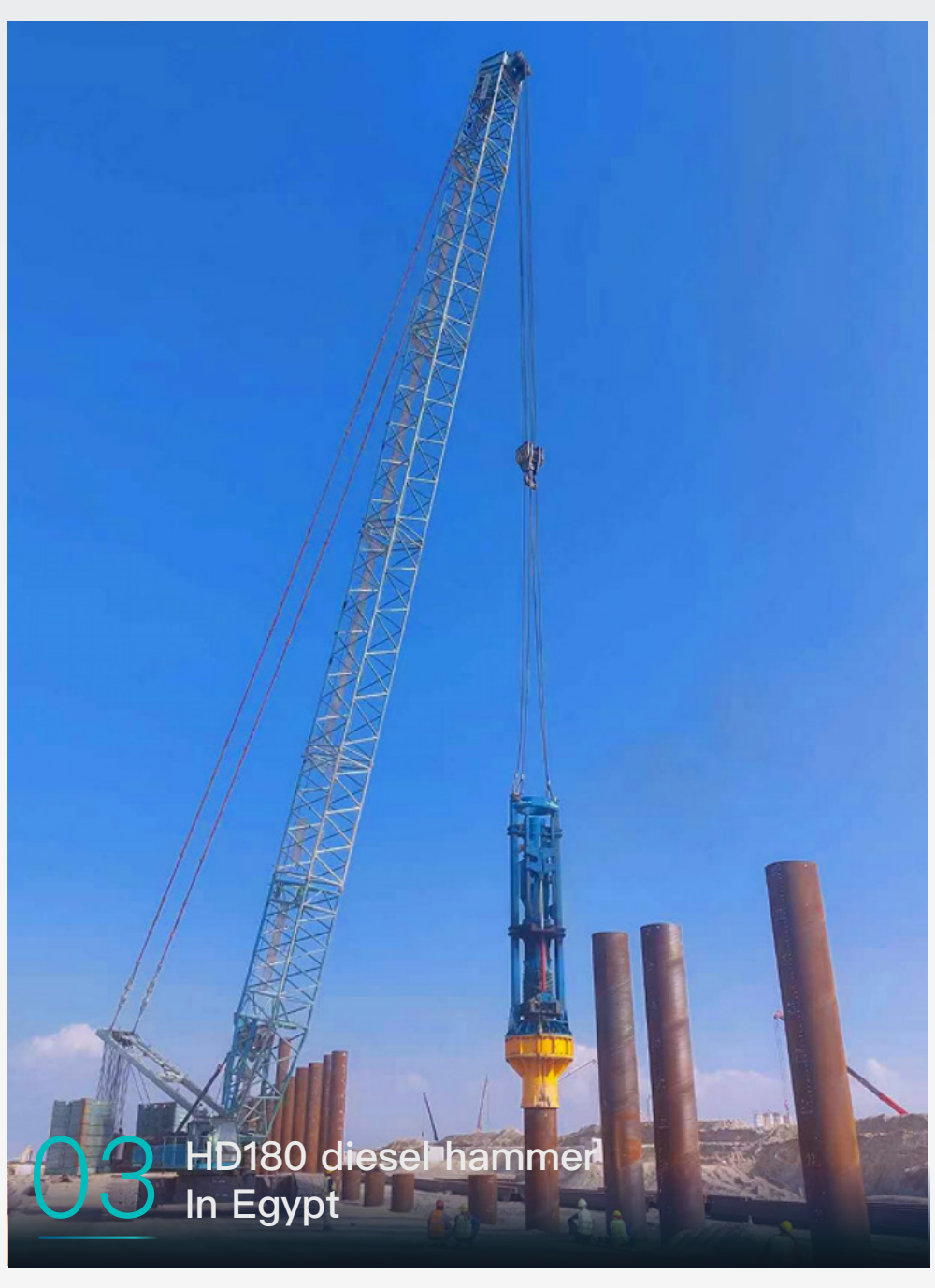
Diesel hammer

Construction Cases

Global Construction

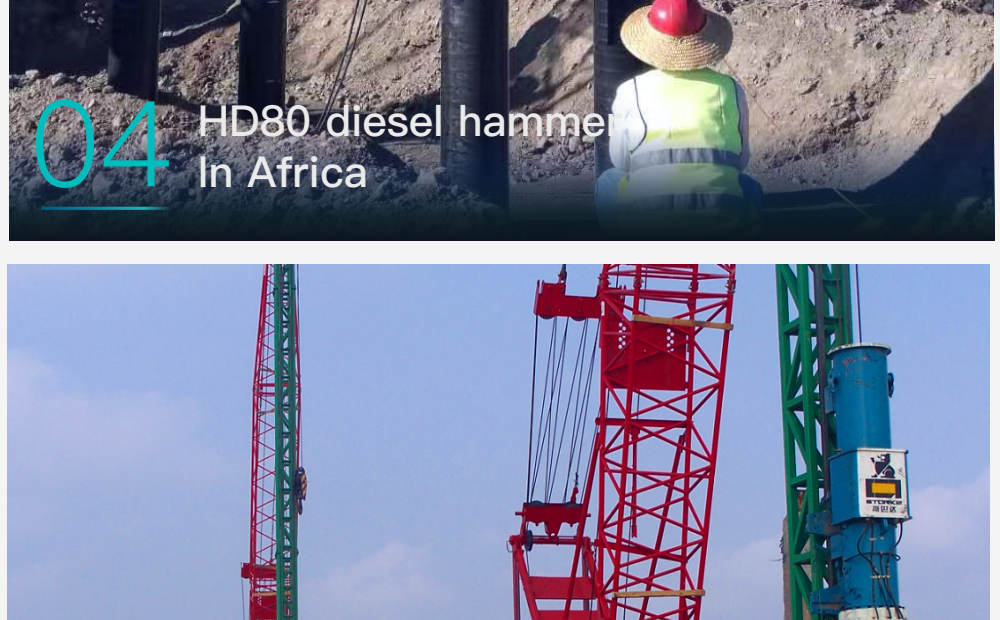

01 HD180 diesel hammer
In Nansha port,China

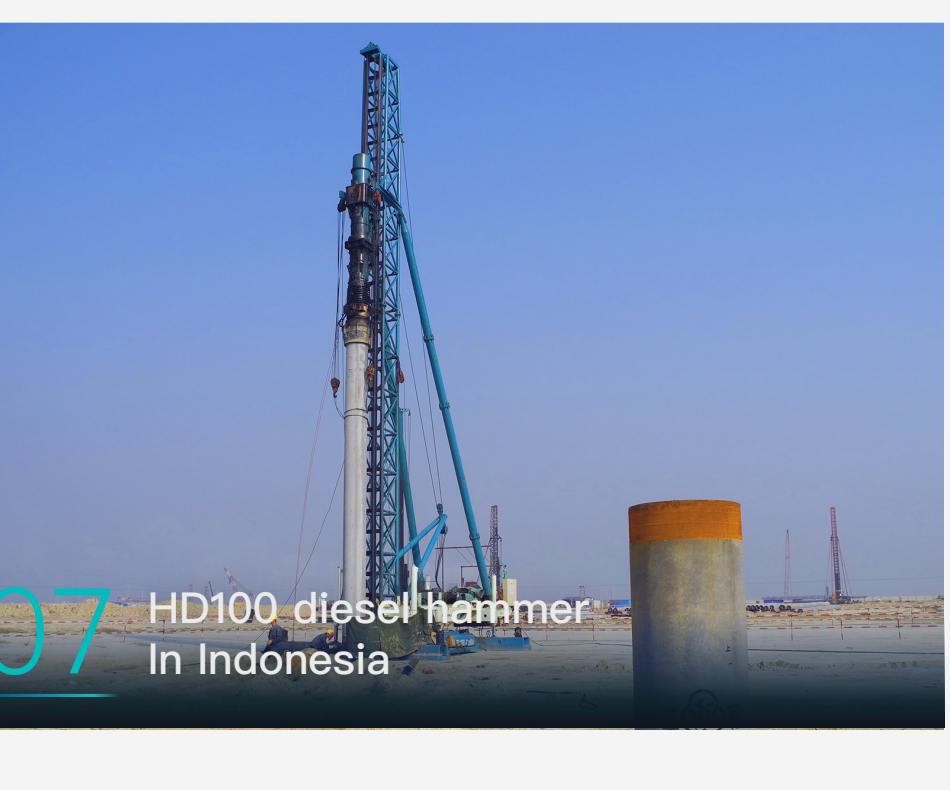
02 HD36 diesel hammer
In Uzbekistan


03 HD180 diesel hammer
In Egypt

04 HD80 diesel hammer
In Africa

05 HD160 diesel hammer
In China

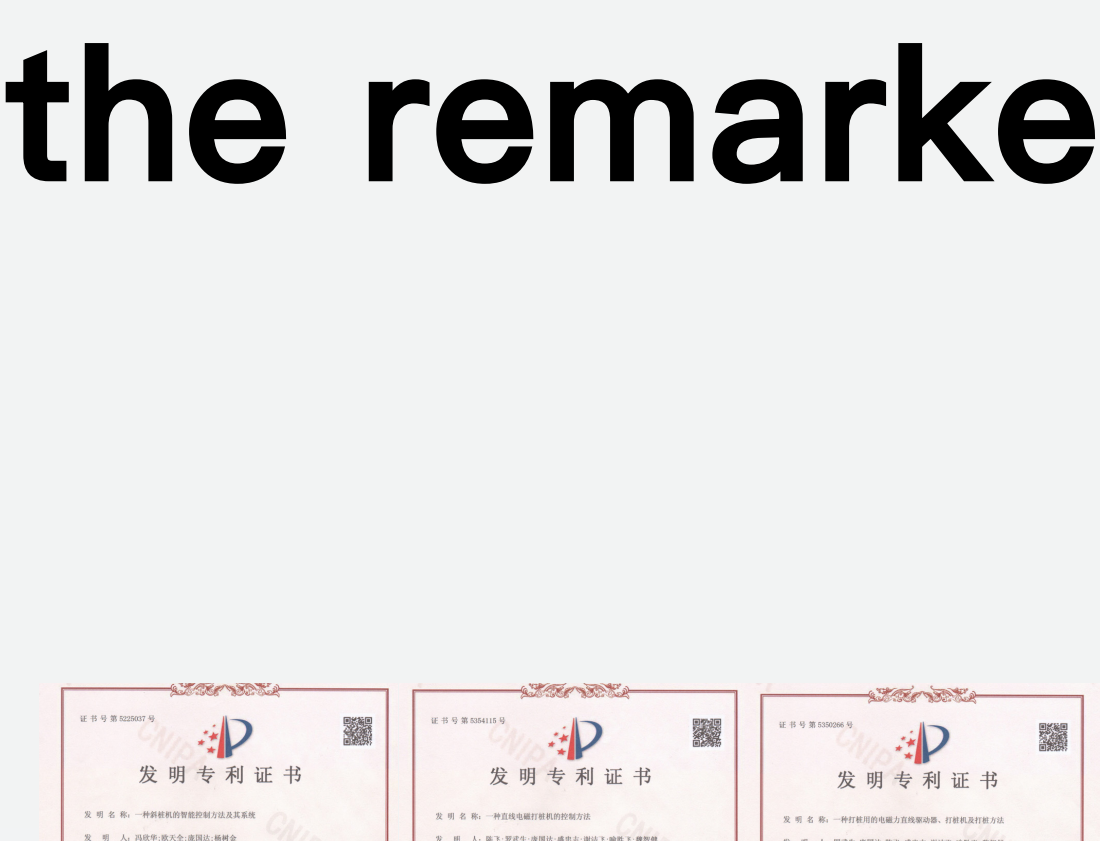

06 HD46 diesel hammer
In Vietnam


07 HD100 diesel hammer
In Indonesia

Diesel hammer

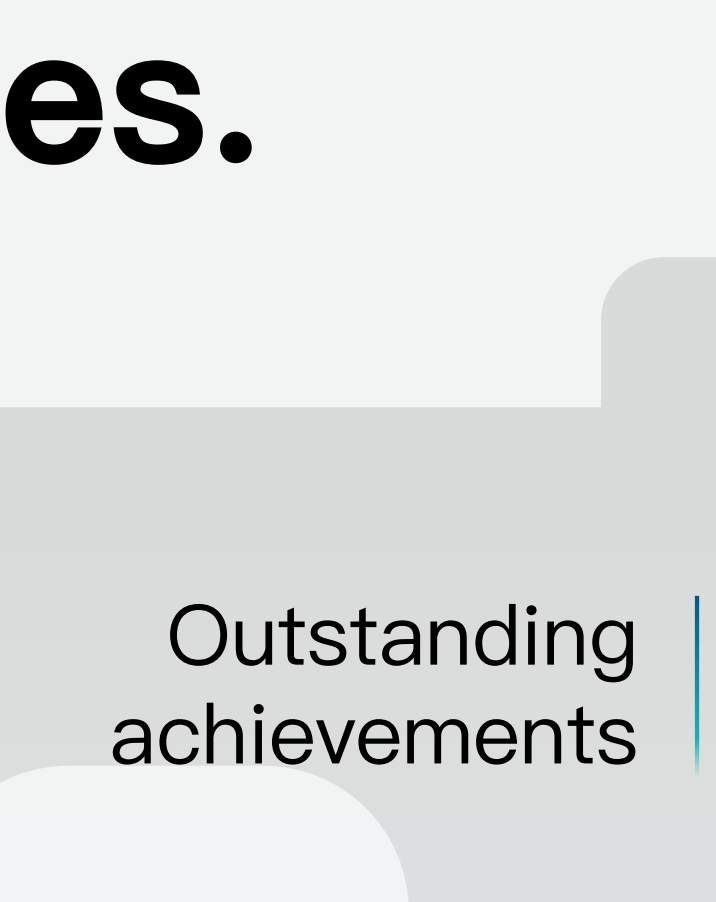
Higlight the remarkebles.

Outstanding achievements


01

02

广东省
桩工机械工程技术研究中心
广东省科学技术厅
二〇一七年


CERTIFICATE
of conformity
No. 8600992

Hydraulic Impact Hammer

STARKE

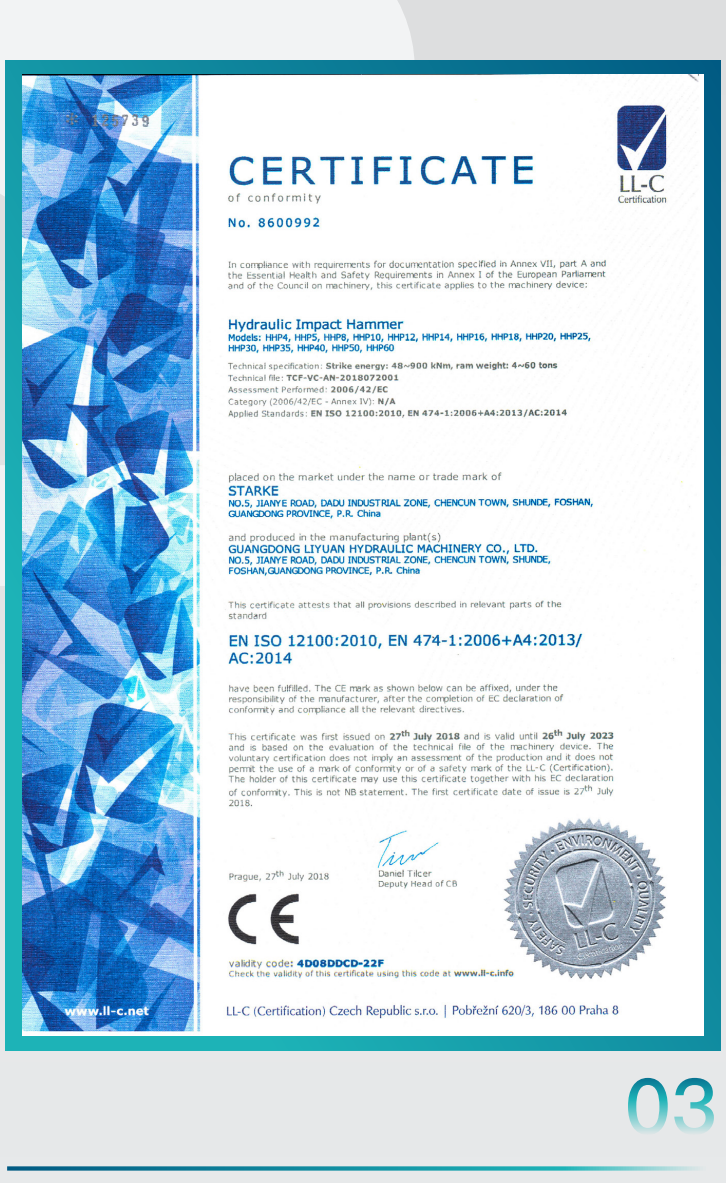
GUANGDONG LIYUAN HYDRAULIC MACHINERY CO., LTD.

EN ISO 12100:2010, EN 474-1:2006+A4:2013/AC:2014

LL-C (Certification) Czech Republic s.r.o. | Pobřežní 620/3, 186 00 Praha 8

03

04


SHANGHAI SAILWAY CERTIFICATION CO.,LTD.

QUALITY MANAGEMENT SYSTEM
CERTIFICATE

Certificate Number: SW22Q20625R0M

This is to Certify that the Quality Management System of
Guangdong Liyuan Hydraulic Machinery Co., Ltd.
Organization Code/Unified Social Credit Code: 91440606708166612B
Registration Address:Dadu Industrial Zone, Chencun Town, Shunde District, Foshan City
Production/Business Address:No.5, Jianye Road, Dadu Industrial Zone, Chencun Town, Shunde District, Foshan City, Guangdong Prov.

Has been Audited to Conform to the Following Quality Management System Standard:
GB/T19001-2016/ISO9001:2015
for the Scope of Registration:
R&D and Production of Hydraulic Machinery for Construction Engineering (HD Series Diesel Hammer, YZY Series Static Pile Driver, HHP Series Hydraulic Pile Hammer, SV Series Hydraulic Vibratory Hammer and JB Series Walking Pile Frame).

(Issued By)
Date of Issue: May 26, 2022
Date of Expiry: May 25, 2025

Patent	01
Piling Equipment Engineering Research Center of Guangdong,China	02
CE Certificate	03
ISO 9001 Certificate	04

Diesel hammer

About Us

Established in 1993, STARKE is China's leading piling equipment manufacturer. We provide high quality piling machine for all kinds of foundation projects, capable from custom design to after-sales services, offering total solutions for customers.

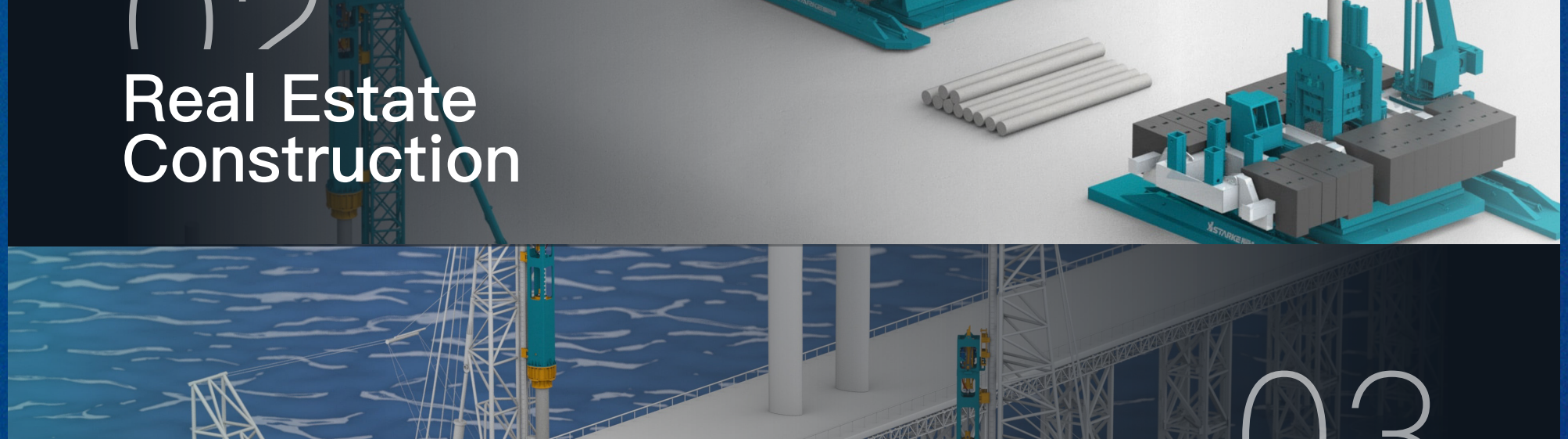
Our main products include: diesel pile hammers; hydraulic impact hammers; hydraulic vibratory hammers; static pile pressing machines; hydraulic crawler piling rigs; foot-step piling rigs and rock breakers.

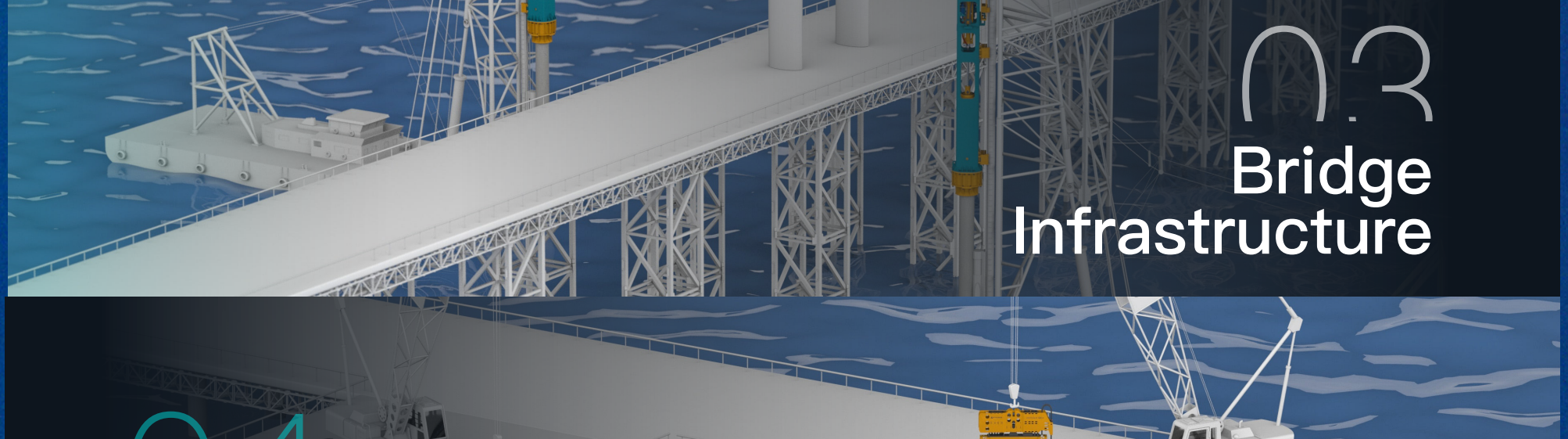
For 30 years we did not stop our foot step on innovation. Improving product quality and customer service is our key purpose. Not only we are the market leader for piling hammers in China, our products have also been well sold in international market, with over 30 countries already using STARKE's equipment, throughout North & South America, the Southeast Asia counties, the Middle East countries, Africa and to Europe.

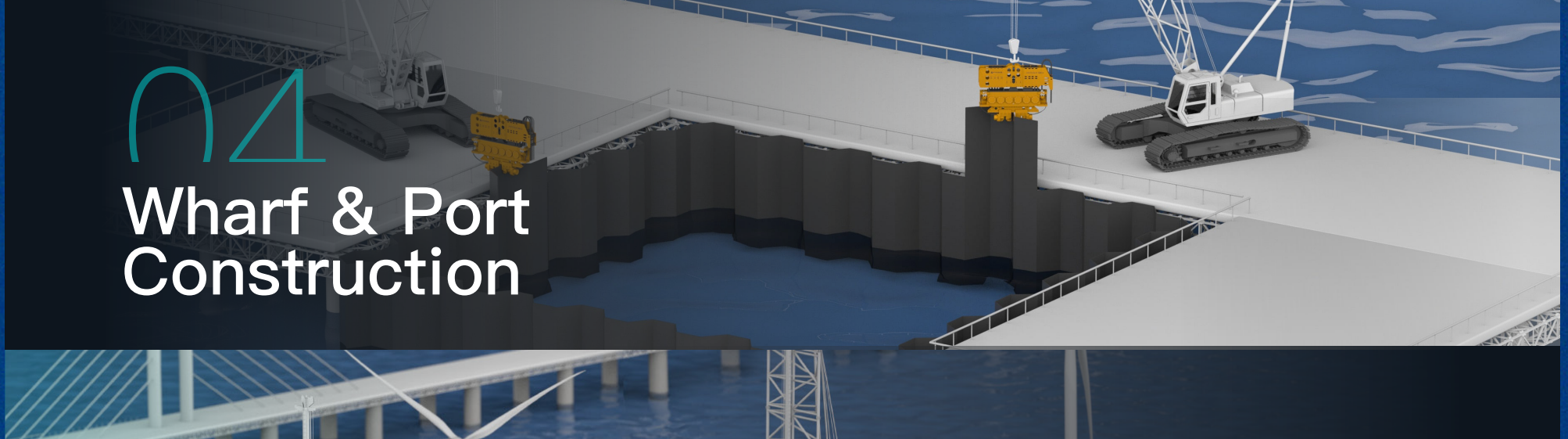
We have obtained the ISO9001 certificate in 2000 and CE certificate for diesel hammers and hydraulic impact hammers.

Hydraulic Impact Hammer

Product Category


01 Municipal Construction


02 Real Estate Construction


03 Bridge Infrastructure

04 Wharf & Port Construction

05 Wind Power

06 Mine

Guangdong Liyuan Hydraulic Machinery Co., Ltd.
STARKE
NO.5 Jianye Road,Dadau Industery Zone,Chencun Twon,Shunde,Foshan,Guangdong,China
☎ +86-757-23318333 23318111
✉ liyuan@starke.com.cn
+86-757-23832488
528313