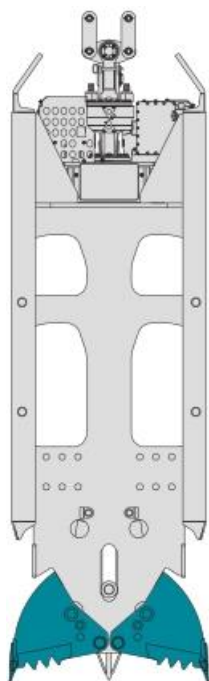


KHD

*HYDRAULIC GRAB FOR DIAPHRAGM WALL
BENNA IDRAULICA PER DIAFRAMMI*

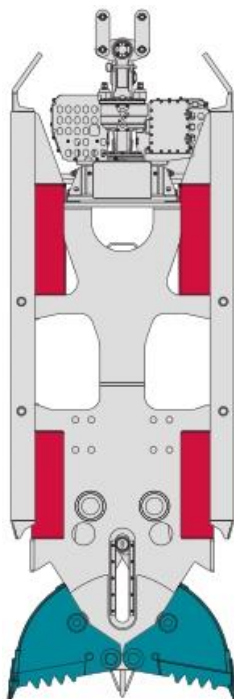


KHD22



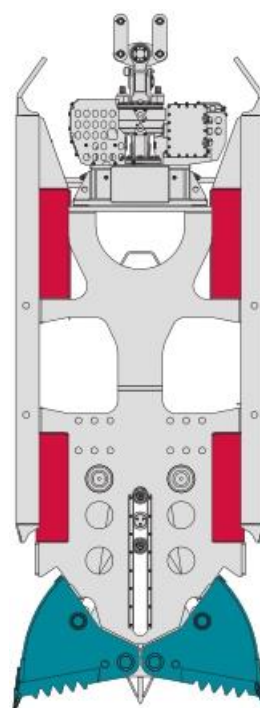
長度 2200 ÷ 2500 mm
寬度 420 ÷ 800 mm
重量 9 ÷ 16 t

KHD25



長度 2500 ÷ 3200 mm
寬度 600 ÷ 1500 mm
重量 12 ÷ 23 t

KHD28



長度 2800 ÷ 4000 mm
寬度 600 ÷ 1500 mm
重量 16 ÷ 30 t



1 懸掛塊 Suspension block:
2 條繩頭或有滑輪的單繩

*▲ 液壓旋轉接頭 Hydraulic turning joint +/- 180°
2 旋轉測試 +/- 180°

3 * 垂直度監測系統 Verticality monitoring system
垂直控制工具

4 * 用於垂直調整的轉向襟翼
Steering flaps for verticality adjustment

5 高強型本體
HD main frame

6 * 加重塊可達 4.5 噸
Additional weight up to 4,5 t

7 * 導軌 Guides
導軌

8 液壓缸
Hydraulic cylinders

9 鉗口平衡導軌
Jaws balancing guide

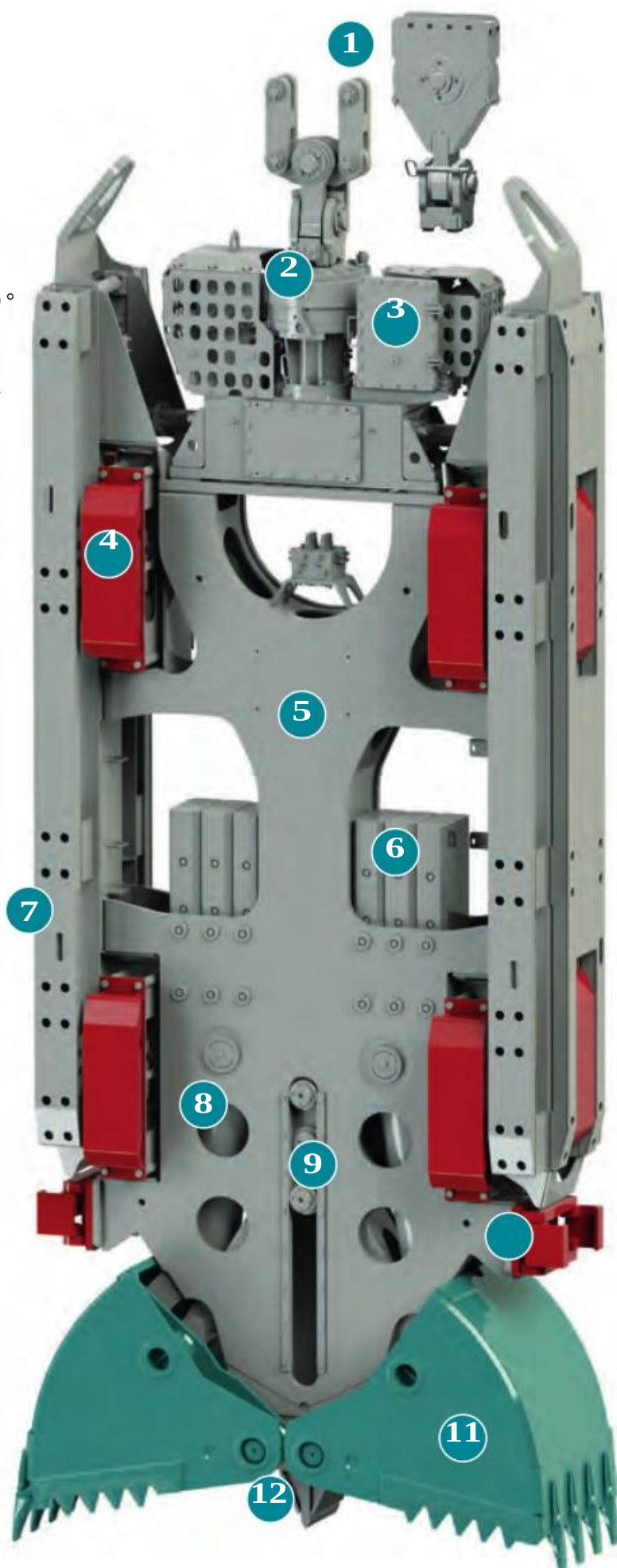
10 * 鋼板樁導軌
Sheet pile guide

11 鉗口 Jaws

12 鑿尖 Chisel

* 選用 Optional

▲ 根據抓斗尺寸限制
Limits according to grab size



GRAB BODY EXTENSIONS

抓斗本體延長件

Width extension sets

With front guides and jaws the digging width can be extended

Length extension sets

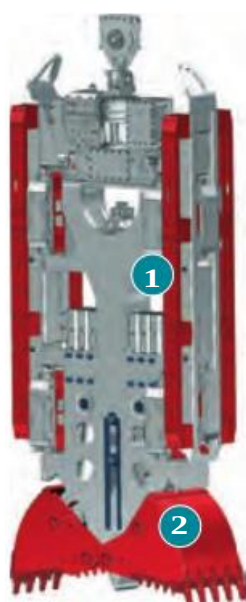
With side guides and jaws the digging opening can be extended

長度延長套件

借助前導軌和顎式顎板，可以擴大挖掘寬度

長度延長套件

借助側導軌和顎式顎板，可以擴大挖掘開口



寬度延伸
Width extension

- 1 導軌 Guides
Carene frontali
- 2 顎斗 Jaws
閥門 Valve



長度延伸
Length extension

- 1 導軌 Guides
Carene laterali
- 2 顎斗 Jaws
閥門 Valve



SHEET PILE GUIDE*

鋼板樁導軌*



To facilitate the detachment of sheet piling from the diaphragm wall and to guide the grab during excavation.

為了方便將板樁導軌從隔牆拆下並在挖掘過程中引導抓斗。

* Optional
選用

TEETH

顎斗齒



Wear sharp for high penetration and center rib for great strength. Hammerless tooth system featuring for simply preplacement and integrated locking device for higher safety.

磨損鋒利，穿透力強，中心肋條，強度高。無錘斗齒系統具有簡單的預裝功能和整合式鎖定裝置，安全性更高。

GRAB BODY EXTENSION*

抓斗本體延伸*



The grab body extension increases the guided length and therefore the verticality of the excavation and in addition the weight and the impact energy.

Length of grab body extension 2 m

抓斗本體延伸增加了引導長度，從而增加了挖掘的垂直度以及重量和衝擊能量。

抓斗主體延伸長度 2 米

重量 Weight :

KHD 22 - max. 2300 kg

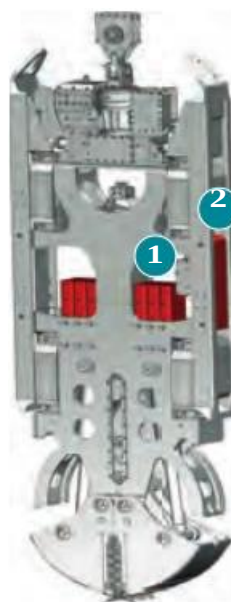
KHD 25 - max. 2600 kg

KHD 28 - max. 2800 kg

* Optional
選用

ADDITIONAL WEIGHT

附加重量



The additional modular weight increases the impact energy of the grab in hard soil and rock.

額外的模組化重量

增加抓斗在硬土和岩石中的衝擊能量。



1

2

Additional weight

額外重量

6 x 550 kg

Additional weight

額外重量

2 x 600 kg

重量 Weight:

KHD 22 - max. 2000 kg

KHD 25 - max. 3000 kg

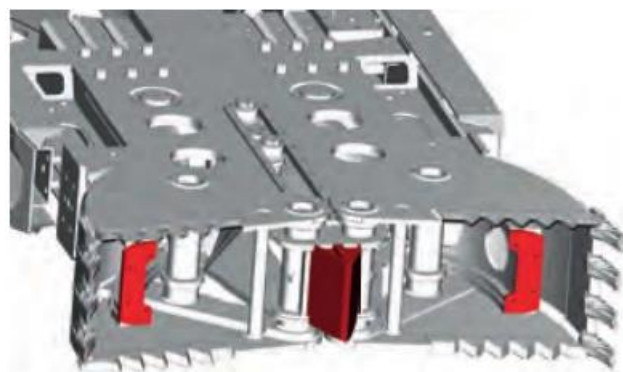
KHD 28 - max. 4500 kg

CLEANERS AND CHISEL

清潔器和鑿尖

The chisel is integrated into the main body of the grab and provides more efficient excavation. Large side ejectors ensure complete emptying of the excavation material.

鑿尖整合在抓斗主體中，可實現更有效率的挖掘。大型側面噴射器可確保挖掘材料完全排空。



HYDRAULIC CYLINDERS

液壓缸

Two hydraulic cylinders and the jaws balancing guide ensure fast and effective excavation.

兩個液壓缸和顎式平衡導軌確保快速有效的挖掘。



KHD22

夾力 Force
2 x 50 t

KHD25

夾力 Force
2 x 80 t

KHD28

夾力 Force
2 x 110 t

HYDRAULIC TURNING JOINT*

液壓旋轉接頭*

The hydraulic turning joint allows precise alignment of the grab with the trench and operation at various angles which is useful on limited working sites.

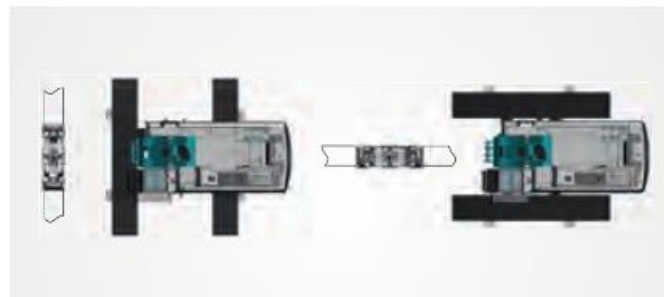
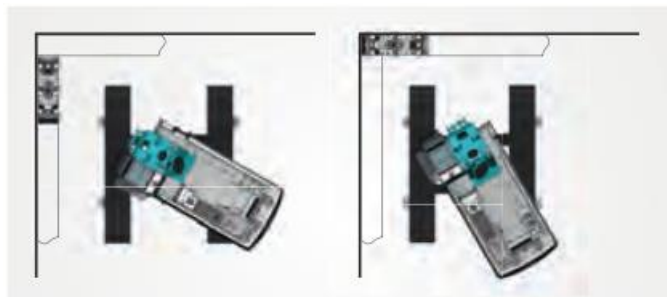
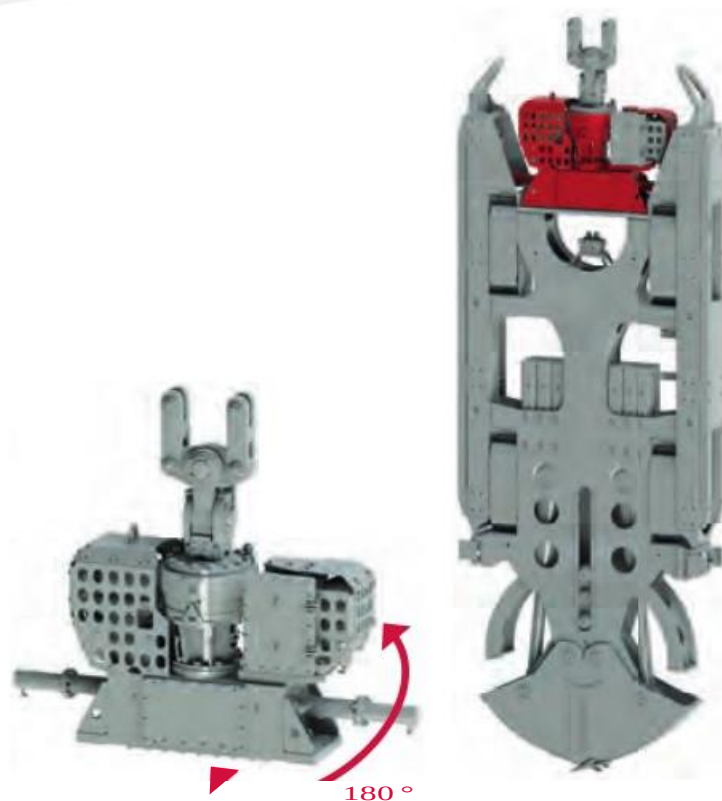
Complete rotation of the grab by ± 180 degrees.

液壓轉動接頭可使抓斗與溝槽精確對準，並可在不同角度進行操作，這在有限的工作場地非常有用。

抓斗完全旋轉 ± 180 度。

* Optional: 600 mm excavation thickness required

選用：需 600 毫米挖掘厚度



CORNER PANELS

角板

90 °EXCAVATION

90 °挖掘



STEERING PLATES*

轉向板*

All information on the orientation of the grab and the deviation from the correct trajectory are displayed on the control panel. The operator can correct the direction of excavation by activating the twelve optional steering plates. Due to the reinforced electric cable and the winder placed at the base of the boom, information and activation of steering plates are in real time. Each plate can assume two positions and the system is hydraulically operated. The grab must be equipped with the hydraulic turning joint.

抓斗方向和與正確軌跡的偏差的所有資訊都顯示在控制面板上。操作員可以透過啟動十二個可選的轉向板來修正挖掘方向。由於加強型電纜和捲揚機位於吊桿底部，因此轉向板的資訊和啟動都是即時的。每個板可以處於兩個位置並且系統由液壓操作。抓斗必須配備液壓翻轉接頭。

* Optional. Not available on KHD22 grab
選用. 不適用於 KHD22 抓斗



VERTICALITY MONITORING SYSTEM*

垂直度監測系統*

The instrumentation records verticality deviations to an accuracy of less than 0,1%. The DIALOG monitoring system includes a depth sensor on the winch and a NEMO sensor fitted on the grab. The NEMO measures verticality along the X and Y axis (via 2 inclinometers) and rotation along the Z axis (via gyroscope). The sensors transmit their measurements to the DIALOG which displays the trajectory followed by the grab in all three axis. The data is stored for downloading and post processing. The reinforced electric cable and the winder placed at the base of the boom guarantee a transmission of information without interruptions.

儀器記錄的垂直度偏差精度小於 0.1%。DIALOG 監控系統包括絞車上的深度感測器和安裝在抓斗上的 NEMO 感測器。NEMO 測量沿著 X 和 Y 軸的垂直度（透過 2 個傾角儀）以及沿著 Z 軸的旋轉度（透過陀螺儀）。感測器將其測量結果傳輸到 DIALOG，後者顯示抓取在所有三個軸上的軌跡。資料儲存以供下載和後製。加強型電纜和位於吊桿底部的捲繞器保證了訊息傳輸不間斷。

* Optional
選用



KHD22

HYDRAULIC GRAB

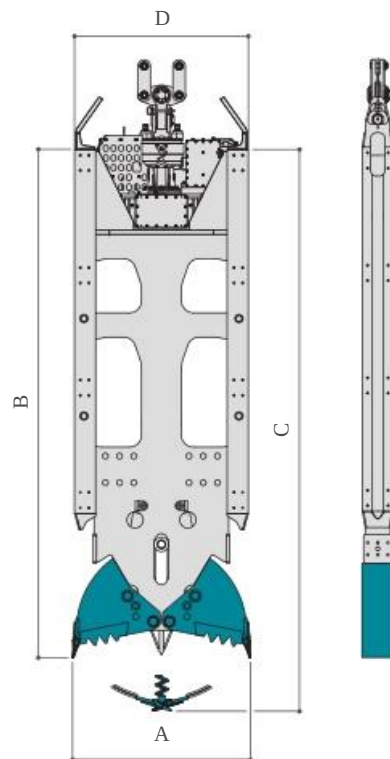
BENNA IDRAULICA

液壓抓斗

TECHNICAL SPECIFICATIONS

技術規格

			2200	2500
Jaw opening 開啟鉗口	A	mm	2200	2500
Height with open jaws 開啟鉗口的高度	B	mm	6930	6950
Height with closed jaws 閉合鉗口的高度	C	mm	7550	7700
Width of guide Larg 導軌寬度	D	mm	2140	2440
Closing force 閉合力		kN	1000	1000



KHD22-2200			420	600	800
容量 Capacity	Capacità	m ³	0,40	0,60	0,80
Weight of basic grab	基本抓斗重量	kg	8700	9700	10200
Hydraulic turning joint	液壓旋轉接頭		–	可用 available	available
KHD22-2500			420	600	800
容量 Capacity	Capacità	m ³	0,70	1,00	1,30
Weight of basic grab	基本抓斗重量	kg	9300	11000	11500
Hydraulic turning joint	液壓旋轉接頭		–	可用 available	available

Additional modular weight for grab available up to 2000 kg / 抓斗的額外模組化重量可達 2000 kg

Weight of hydraulic turning joint included ~1100 kg / 包括液壓旋轉接頭的重量 ~1100 kg



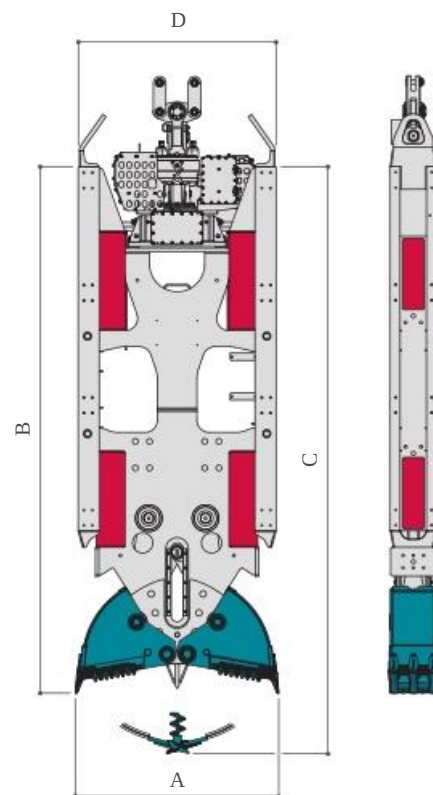
KHD25 *HYDRAULIC GRAB*

BENNA IDRAULICA
液壓抓斗

TECHNICAL SPECIFICATIONS

DATI TECNICI

			2500	2800	3000	3200
Jaw opening 開啟鉗口	A	mm	2500	2800	3000	3200
Height with open jaws 開啟鉗口的高度	B	mm	7150	7190	7210	7230
Height with closed jaws 閉合鉗口的高度	C	mm	7860	8020	8120	8230
Width of guide 導軌寬度	D	mm	2440	2740	2940	3140
Closing force 閉合力		kN	1600	1600	1600	1600



KHD25-2500			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,62	0,82	0,93	1,03	1,23	1,54
Weight of basic grab	基本抓斗重量	kg	12000	12800	13200	13800	14500	15300
Weight of steering flaps*	Peso scudi mobili*	kg	2200	2400	2500	2550	2600	2700
KHD25-2800			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,78	1,05	1,18	1,31	1,57	1,96
Weight of basic grab	基本抓斗重量	kg	13000	14200	14600	14800	15500	16100
Weight of steering flaps*	轉向襟翼的重量*	kg	2200	2400	2500	2550	2600	2700
KHD25-3000			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,83	1,11	1,25	1,39	1,67	2,09
Weight of basic grab	基本抓斗重量	kg	13600	14800	15100	15400	16100	16700
Weight of steering flaps*	轉向襟翼的重量*	kg	2400	2600	2700	2750	2800	2900
KHD25-3200			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,94	1,25	1,41	1,56	1,88	2,35
Weight of basic grab	基本抓斗重量	kg	13800	15000	15300	15600	16300	17300
Weight of steering flaps*	轉向襟翼的重量 i*	kg	2500	2700	2800	2850	2900	3000

Weight of hydraulic turning joint included ~1100 kg / 包括液壓旋轉接頭的重量 ~ 1100 kg Additional weight for grab available up to 3000 kg / 抓斗的額外模組化重量可達 3000 kg

* Optional / 選用



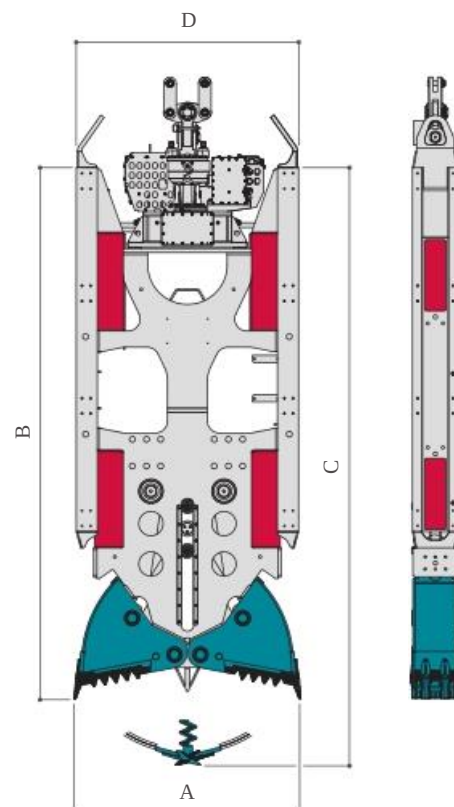
KHD28 HYDRAULIC GRAB

BENNA IDRAULICA
液壓抓斗

TECHNICAL SPECIFICATIONS

DATI TECNICI

			2800	3000	3200	4000
Jaw opening 開啟鉗口	A	mm	2800	3000	3200	4000
Height with open jaws 開啟鉗口的高度	B	mm	7220	7230	7250	7400
Height with closed jaws 閉合鉗口的高度	C	mm	8040	8090	8190	9000
Width of guide 導軌寬度	D	mm	2740	2940	3140	3940
Closing force 閉合力		kN	2200	2200	2200	2200



KHD28-2800			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,78	1,05	1,18	1,31	1,57	1,96
Weight of basic grab	基本抓斗重量	kg	16000	17200	17600	17800	18500	19100
Weight of steering flaps*	轉向襟翼的重量*	kg	2200	2400	2500	2550	2600	2700
KHD28-3000			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,83	1,11	1,25	1,39	1,67	2,09
Weight of basic grab	基本抓斗重量	kg	16600	17800	18100	18400	19100	19700
Weight of steering flaps*	轉向襟翼的重量*	kg	2400	2600	2700	2750	2800	2900
KHD28-3200			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	0,94	1,25	1,41	1,56	1,88	2,35
Weight of basic grab	基本抓斗重量	kg	16800	18000	18300	18600	19300	20300
Weight of steering flaps*	轉向襟翼的重量*	kg	2500	2700	2800	2850	2900	3000
KHD28-4000			600	800	900	1000	1200	1500
容量 Capacity	Capacità	m ³	1,17	1,56	1,76	1,95	2,34	2,39
Weight of basic grab	基本抓斗重量	kg	18400	19600	19700	20200	20900	22700
Weight of steering flaps*	轉向襟翼的重量*	kg	2700	2900	3100	3200	3300	3400

Weight of hydraulic turning joint included ~1100 kg / 包括液壓旋轉接頭的重量~ 1100 kg Additional weight for grab available up to 4500 kg / 抓斗的額外模組化重量可達 4500 kg

* Optional / 選用



EQUIPMENT SET-UP

ALLESTIMENTO ATTREZZATURA

設備設定



KHD hydraulic grab
KHD 液壓抓斗



KHD boom system - main components
KHD 吊臂系統 - 主要組件



Base carrier
底座載體

APPLICATION

應用

The KHD hydraulic grabs and the KHD system can be easily fitted on Casagrande base carrier or on hydraulic mobile cranes. Excavation performance according to size of grab.

KHD 液壓抓斗和 KHD 系統可以輕鬆安裝在 Casagrande 底座載體或液壓移動起重機上。挖掘性能取決於抓斗的尺寸。



B200XP-2
25 t*



B250 XP-2
28 t*



B300 XP-2
31 t*



B360 XP-2
35 t*



液壓起重機
HYDRAULIC CRANE 80 t
Grab 25 t*

HYDRAULIC CRANE >100 t
Grab 30 t*

* Approx. weight of grab with full load / 滿載抓斗大約重量





CASAGRANDE S.P.A.

Via A. Malignani, 1
33074 Fontanafredda - Pordenone (Italy)

Tel. +39 0434 9941
Fax +39 0434 997009



info@casagrandegroup.com
www.casagrandegroup.com