

FELD OMEGA

Motor Orange-Peel Grabs

The grab for coarse materials

- Depending on load type, fitted with open, semi-open, or closed jaws
- Jaws are driven individually or directly by electro-hydraulic unit
- Specially adapted jaw contour for better penetration into bulk solids
- Ideal for gripping coarse and bulky materials
- Additional Pantanax wear protection for longer service life

OMEGA N, standard model

Size	Shell capacity [m ³]	Material group	Unladen weight [kg]	Drive power [kW]	Number of jaws
DH 4 K 0	0,30 – 0,80	I - V	720 - 920	5	4
DH 5 K 1	0,50 – 1,25	I - V	1410 – 1935	12	5
DH 6 K 2	0,80 – 2,00	I - V	2170 – 2850	15	6
DH 6 K 3	1,25 – 3,15	I - V	3245 – 4365	24	6
DH 6 K 4	2,00 – 5,00	I - V	4000 – 5130	30	6
DH 6 K 5	3,15 – 8,00	I - V	6140 - 7960	48	6

OMEGA U, B, on-board grab

Size	Shell capacity [m ³]	Material group	Unladen weight [kg]	Drive power [kW]	Number of jaws
DH 4 K 0 U	0,30 – 8,00	---	720-7960	5 - 48	4 - 6
DH 6 K 5 U	0,30 – 8,00	---	720-7960	5 - 48	4 - 6

OMEGA M, refuse grab

Size	Shell capacity [m ³]	Material group	Unladen weight [kg]	Drive power [kW]	Number of jaws
DH 4 K 0 M	0,63 – 8,00	---	780 – 5370	5 – 30	4 – 6
DH 6 K 4 M	0,63 – 8,00	---	780 - 5370	5 - 30	4 - 6

Drive unit

Driven by three-phase AC or DC motor.

The electric motor is switched via a reversing contactor and opens and closes the jaws electro-hydraulically depending on the direction of rotation. Reliable switching processes; control is carried out without solenoid valves. Overload protection through self-regulating hydraulics. Low overall height, compact construction. Secure retention of loads even in the case of a power failure thanks to check valves

Working cylinders

High closing force and high opening speed thanks to differential cylinders driving the jaws directly. Thanks to a special installation position, the cylinder is protected from damage on all sides. Corrosion-resistant piston rod thanks to special chrome plating.

Jaws

The jaws are interchangeable. Various shapes and sizes allow tailoring to the respective load. High degree of filling thanks to favorable top ratio. Robust design for low unladen weight. Long service life thanks to use of fine-grain structural steel and wear-resistant cutting edge sections



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Pivots

All pivots are designed to be low-maintenance. Jaw synchronization with synchronization lever for clamshell grab. For the orange-peel grab, the jaws close independently of one another.

Additional equipment

- **Heat protection** for electrics and hydraulics for use in hot working environments
- **Hydraulics protection** for the hydraulic hoses, for working with very long, bulky loads
- **Tilt switch** to prevent tipping when the grab is out of the crane driver's range of vision
- **Full motor protection** to prevent overheating