

# KM 611-A

## ALUMINUM & STEEL PLATE GRAPPLE

### FROM YOUR HOME OF ATTACHMENTS

When delicate materials demand absolute control.

#### OUR ATTACHMENTS SOLVE YOUR PROBLEMS



*"We need to move many plates quickly and efficiently."*

The system offers high flexibility and can grip and precisely position up to five aluminum plates (standard) or steel plates (with adapter) simultaneously.



*"There is always a safety risk when lifting heavy loads."*

Two double lowering brake valves in the main cylinders provide double safety on both sides. Additionally, a non-return valve in the lower cylinders protects against hydraulic pressure loss.



*"Low assembly effort with low susceptibility to errors."*

The intelligent pressure sequence control allows only one circuit to be used for two functions (gripping and securing), which significantly simplifies installation.



*"Nobody wants to bear high maintenance costs."*

Easily accessible lubrication points simplify maintenance. Furthermore, the Vulkolan profile mats can be replaced directly on site to ensure safe handling of the panels over the long term.



*"Avoid damage if possible."*

All hydraulic hoses are protected and integrated into the carrier and arms, minimizing the risk of damage and downtime.



*"Nothing should protrude beyond the truck during transport."*

A special version for Z-cranes is designed so that, when leaned against the crane arm during transport, it does not protrude beyond the permissible truck width.



Animation  
KM 611-A



# KM 611-A

# Aluminum & Steel Plate Grapple

The KM 611-A aluminum plate grapple has been developed especially for the handling and positioning of aluminum plates. Thanks to optional bolt-on compression rails, thinner steel plates can also be handled safely.

There are two versions available: for standrad truck cranes (-A) as well as for Z-crane (-A-Z).



- ▷ **Long service life as all hydraulic hosing is protected** inside the shell carrier and arms and all bearings are generously dimensioned.
- ▷ **Easy maintenance** due to easy accessible greasing points. On-site exchangeable Vulkolan profile mats for secure gripping of plates.
- ▷ **Precise positioning** thanks to Kinshofer rotators: 4t or 6t rotator for standard version, 6t rotator for Z-crane version.
- ▷ **Adjustable gripping height** for up to 5 plates.
- ▷ **Hydraulic drop protection** with non-return valve for secure handling of loads even in the case of pressure drops.
- ▷ Two rows of pan head screws arranged at predefined intervals **prevent the aluminum plates from tilting or slipping** for additional safety.
- ▷ **Double lowering brake valves** in both main cylinders **for safe working** without unintentional opening or closing.
- ▷ **Clever pressure sequence control** allows for only one required hydraulic circuit.
- ▷ **Optional:** bolt-on compression rails with flattened profile for easy gripping of thinner steel plates.

### KM 611-A Aluminum & Steel Plate Grapple

Type	Gripping range min. - max. A1 - A2	Height closed w/o rotator C1	Height open w/o rotator C2	Adjustable arm height	Width E	Weight	Load capacity
KM 611-A	1,020 - 3,150 mm 40 - 124 in	1,760 mm 69.3 in	750 mm 29.5 in	310 mm 12.2 in	925 mm 36.4 in	385 kg 847 lbs	1,500 kg 3,300 lbs
KM 611-A-Z	1,020 - 3,150 mm 40 - 124 in	1,760 mm 69.3 in	750 mm 29.5 in	310 mm 12.2 in	925 mm 36.4 in	455 kg 1,001 lbs	1,500 kg 3,300 lbs

\* weight for package KM 611-A-Z

**Package KM 611-A consists of:** grapple, non-return valve and double lowering brake valves

**Package KM 611-A-Z consists of:** grapple, rotator KM 06 F140-40, upper suspension KM 501 (6,000), crane rest device, non-return valve and double lowering brake valves

### Requirements of carrier machine

**Operating pressure:** 200 - 250 bar (20 - 25 MPa) / 2,880 - 3,600 psi  
**Recommended pump capacity:** 40 - 80 l/min / 10.6 - 21.1 GPM

### Technical drawings

