

The robust brick stack grapple KM 331 handles loads up to 2000 kg.

- ▷ **Fixed plunge depth** with pivot clamping arms - hydraulically operated.
- ▷ **Versatile tool** with opening range of 40 mm to 1500 mm i.e. for handling of single concrete products like curbstones, or handling of palletized brick packs.
- ▷ **Synchronised function of clamping arms** due to sturdy gear-toothed quadrants.
- ▷ **Safety** through internal pressure relief valve (independent from crane pressure) and holding valve (safe clamping force at pressure drop).
- ▷ **Reduced overall height** in comparison to the plunge depth due to lower rotator position.
- ▷ **Compression rails** with durable and replaceable rubber inserts.



### Packages brick stack grapple KM 331 c

| Type          | Plunge depth A (mm) | Load capacity (kg) | Gripping D (min./max.) (mm) | Height C (mm) | Self weight (kg) |
|---------------|---------------------|--------------------|-----------------------------|---------------|------------------|
| KM 331-1000 c | 1000                | 2000               | 220 - 1420                  | 1565          | 353              |
| KM 331-1100 c | 1100                | 2000               | 160 - 1450                  | 1665          | 360              |
| KM 331-1200 c | 1200                | 1800               | 98 - 1475                   | 1765          | 365              |
| KM 331-1300 c | 1300                | 1600               | 40 - 1500                   | 1865          | 372              |

**Package consists of:** brick stack grapple, KINSHOFER rotator KM 04 F, short connecting hoses KM 203 01, upper suspension KM 501 (4500), compression rails KM 381 40 (1000), pressure relief valve, holding valve

**Please note:** the load capacity listed in the table depends on the load (the surface conditions, the size of individual stones, stack size and Type of banding). The grapple is not suitable for stacks of low-profile and unbundled items.

full plunge depth is only suitable up to opening range of 1100 mm (see technical drawings).

### Accessories

| Type                 | Description                                  | Self weight (kg) |
|----------------------|--|------------------|
| KM 511 (4500)        | upper suspension with pendulum damper        | 15               |
| KM 381 40 (1000)     | compression rails - 1000 mm (2 pieces)       | 40               |
| KM 381 40 (1250)     | compression rails - 1250 mm (2 pieces)       | 52               |
| KM 685 06 hook set 4 | lifting hooks with safety latches (4 pieces) | --               |

### Requirements of truck crane

#### Operating pressure at oil flow:

20 - 26 MPa (200 - 260 bar) at max. 75 l/min

20 - 37 MPa (200 - 370 bar) at max. 40 l/min

### Technical drawings

