

The robust brick stack grapple KM 331 handles loads up to 4,400 lbs.

- ▷ **Fixed plunge depth** with pivot clamping arms - hydraulically operated.
- ▷ **Versatile tool** with opening range of 1.6 to 59.1 in i.e. for handling of single concrete products like curbstones, or handling of brick packs.
- ▷ **Synchronised function of clamping arms** due to sturdy gear-toothed quadrants.
- ▷ **Safety** through internal pressure relief valve (independent from crane pressure) and non-return 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.



### Package brick stack grapple KM 331 c

Type	Plunge depth A (in)	Load capacity (lbs)	Gripping min./max. D (in)	Height C (in)	Self weight (lbs)
KM 331-1000 c	39	4,400	8.7 - 55.9	62	693
KM 331-1100 c	43	4,400	6.3 - 57.1	66	704
KM 331-1200 c	47	3,960	3.9 - 58.1	70	715
KM 331-1300 c	51	3,520	1.6 - 59.1	73	726

**Package consists of:** brick stack grapple, KINSHOFER rotator KM 04 F, short connecting hoses KM 203 01 (rotator to grapple), upper suspension KM 501, compression rails KM 381 40 (length 39.4 in), pressure relief valve, non-return valve, KM 685 06 hook set 4

**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 bundling). The capacity listed does not apply to stacks of low-profile and unbundled items.
- full plunge depth is only suitable up to opening range of 43 in (see technical drawings)

### Accessories

Type	Description	Self weight (lbs)
KM 511 4500	upper suspension with pendulum damper	33
KM 381 40 720	compression rails - 28 in (2 pieces)	64
KM 381 40 920	compression rails - 36 in (2 pieces)	81
KM 381 40 1000	compression rails - 39 in (2 pieces)	88
KM 381 40 1120	compression rails - 43 in (2 pieces)	99
KM 381 40 1250	compression rails - 49 in (2 pieces)	114
KM 381 40 1400	compression rails - 55 in (2 pieces)	128
KM 685 06 hook set 4	lifting hooks with safety latches (4 pieces)	

### Requirements of truck crane

**Operating pressure at oil flow:**  
 2,900 - 3,750 psi at max. 20 GPM  
 2,900 - 5,350 psi at max. 10.5 GPM

### Technical drawings

