

Brick Stack Grapple - Scissor Grab

KM 331

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 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 (mm)	Load capacity (kg)	Gripping min./max. A (mm)	Height C (mm)	Self weight (kg)
KM 331-1000 c	1000	2000	220 - 1420	1565	315
KM 331-1100 c	1100	2000	160 - 1450	1665	320
KM 331-1200 c	1200	1800	98 - 1475	1765	325
KM 331-1300 c	1300	1600	40 - 1500	1865	330

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 1000 mm), pressure relief valve, non-return 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)	
	non-standard compression rails: all grapples are available with compression rail lengths not listed. Call for details	
	non-standard plunge depth: all grapples are available with plunge depths not listed. Call for details	
	alternatively with gear type rotator with shaft	

Requirements of Truck Crane

Operating pressure: 20 - 37 MPa (200 - 370 bar)
Pump capacity: 25 - 75 l/min

Pump capacity / Operating pressure	
> 40 l/min	/ 200 bar
≤ 40 l/min	/ 370 bar

Technical Drawings

