

Brick Stack Grapple – Parallel Squeeze

KM 332/333

The technically unique KM 332 brick stack grapple is a versatile tool for palletized and non-palletized materials.

- **Rigid or adjustable plunge depth** of parallel opening and closing clamping arms - hydraulically operated.
- **Versatile tool** with opening range of 400 mm to 1400 mm i.e. for handling of single concrete products like curbstones, or handling of brick packs.
- **Handling of heavy loads** with reinforced version **KM 333**.
- **Adjustable plunge depth** of **KM 332V** and **KM 333V** can match the size of the stack-easy adaption with a mechanical latch.
- **Precise synchronisation of the arms** as a result of two in series double acting hydraulic cylinders.
- **Safety** through internal pressure relief valve (independent from crane pressure) and non-return valve (safe clamping force at pressure drop).
- **Long life** due to generously dimensioned bearings, integrated grease reservoir, automatic wear compensation of main bearing, spherical central bearing for the cylinders.
- **Easy to use** with durable and replaceable rubber inserts – simple to operate between the stacks.



Package Brick Stack Grapple KM 332 c

Type	Plunge depth (mm)	Load capacity at min./max. plunge depth (kg)	Gripping A min./max. (mm)	Height (incl. rotator) (mm)	Self weight (kg)
KM 332-1000 c	1000	2000	400 – 1400	1415	310
KM 332V-1100 c	1100 – 1650	1900 / 1350	400 – 1400	1515 – 2065	355

Package consists of: brick stack grapple, rotator KM 04 F, short connecting hoses KM 203 01 (rotator to grapple), upper suspension KM 501 4500, compression rails KM 381 29 1000 (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 kind of banding)
- the capacity listed does not apply to stacks of low-profile and unbanded items. Compression Rails will be KM 381 39 for packages in the UK
- other packages with different opening ranges available: KM 332-850c/ -1000c/ -1100c/ -1200/ -1300c in the UK

Brick Stack Grapple KM 332/333

Type	Plunge depth (mm)	Load capacity at min./max. plunge depth (kg)	Gripping A min./max. (mm)	Height (w/o rotator) (mm)	Self weight (w/o compression rails) (kg)
KM 332-850	850	2200	400 – 1400	1065	245
KM 332-1000	1000	2000	400 – 1400	1215	255
KM 332-1300	1300	1600	400 – 1400	1515	275
KM 332V-850	850 – 1400	2200 / 1600	400 – 1400	1065 – 1615	290
KM 332V-1100	1100 – 1650	1900 / 1350	400 – 1400	1315 – 1865	340
KM 333-850	850	3000	400 – 1400	1090	400
KM 333-1000	1000	2500	400 – 1400	1240	415
KM 333V-1100	1100 – 1650	2300 / 1600	400 – 1400	1340 – 1890	490

Please note:

- the load capacity listed in the table depends on the load (the surface conditions, the size of individual stones, stack size and kind of bundling). The capacity listed does not apply to stacks of low-profile and unbundled items
- the price does not include the compression rails
- wider opening ranges 400 – 1800 mm are available for
 - KM 332
 - KM 333

Accessories

Type **Description**

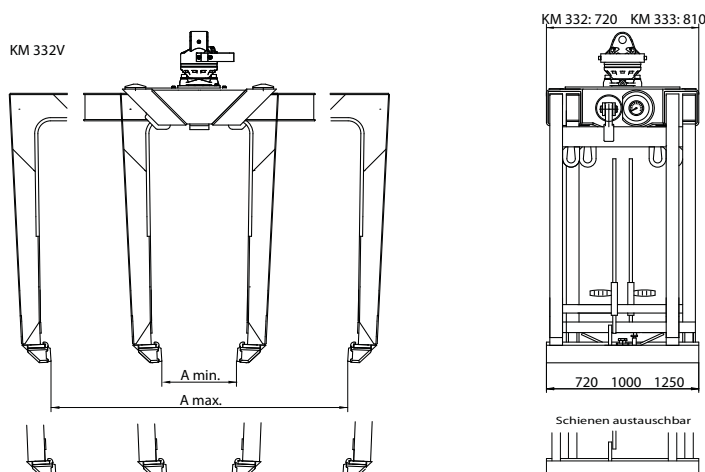
KM 04 F recommended **KINSHOFER** rotator for KM 332/333

Requirements of Truck Crane

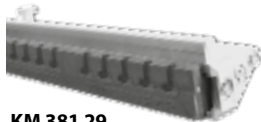
Operating pressure: **20 - 37 MPa (200 - 370 bar)**
Pump capacity: 25 - 75 l/min

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

Technical Drawings



Compression Rails



KM 381 29

Type	Description	Length (mm)	Self weight (kg)
KM 381 29 720	compression rails with smooth rubber inserts (2 pieces)	720	17
KM 381 29 1000		1000	24
KM 381 29 1250		1250	28



KM 381 39

KM 381 39 720	compression rails with two rubber inserts, upper insert contoured, lower insert smooth (2 pieces each)	720	24
KM 381 39 1000		1000	33
KM 381 39 1250		1250	42



KM 381 32

KM 381 32 1000	spring loaded rails with parallel-action teeth (2 pieces) - fitted in seconds by locking lever	1000	62
KM 381 32 1250		1250	76



KM 391 09

KM 381 09 720	compression rails for adapter KM 381 38 (2 pieces)	720	17
KM 381 09 1000		1000	23
KM 381 09 1250		1250	28

KM 381 38	Adapter for clamping arms to take compression rails KM 381 09	40
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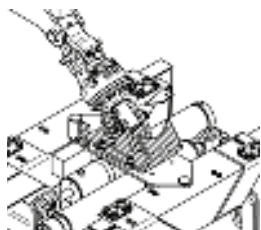
Please note: Additional lengths of compression rails are available on request.

Others

Type	Description	Self weight (kg)
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Non-Standard Opening Range: all grapples are available with opening ranges not listed. Call for details.

Non-Standard Plunge Depth: all grapples are available with plunge depth not listed. Call for details.



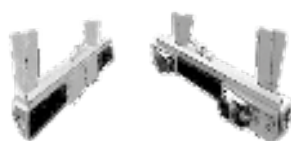
KM 381 08

KM 381 08 S	Tilting Device to reduce overall height of the equipment in transport	for shaft rotators	12
KM 381 08 F		for flange rotators	18



KM 381 18

KM 381 18	Height Reduction Link to reduce the overall height of the equipment in transport - for flange rotators.	15
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KM 381 31

KM 381 05	Height Stop for quick adjustment of plunge depth	8
KM 381 06	Spring Loaded Guide Rails for stabilizing the top layer of the stack	---
KM 381 07	Spring Loaded Guide Plates for lateral stabilizing of the stack	---
KM 381 31	Adapter for Concrete Pipes with diameters from 800 to 1350 mm	60