

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.



## Packages brick stack grapple KM 332 c

Type	Plunge depth (mm)	Load capacity at plunge depth min./max. (kg)	Gripping A min./max. (mm)	Height (incl. rotator) (mm)	Self weight (kg)
<b>KM 332-1000 c</b>	1000	2000	400 - 1400	1415	310
<b>KM 332V-1100 c</b>	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, upper suspension KM 501 (4500), compression rails KM 381 29 (1000), pressure relief valve, non-return valve

**Please note:** compression rails will be KM 381 39 for packages in the UK. Other packages with different opening ranges available in the UK: KM 332-850c / KM 332-1000c / KM 332-1100c / KM 332-1200 / KM 332-1300c.

## Brick stack grapples KM 332 / KM 333

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

The price does not include the compression rails.

Wider opening ranges 400 - 1800 mm are available for KM 332 and KM 333

**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.

## Accessories

Type	Description
<b>KM 04 F</b>	recommended KINSHOFER min.ator for KM 332 / KM 333

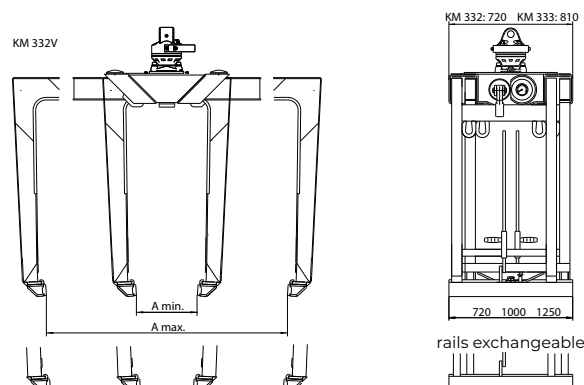
## Requirements of truck crane

### Operating pressure at oil flow:

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

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

## Technical drawings



## Compression rails



KM 381 29

Type	Description	Length (mm)	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 within 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	<b>adapter for clamping arms</b> to take compression rails KM 381 09	40
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**Please note:** additional lengths of compression rails are available on request.

## Others



KM 381 08 S

<b>Non-standard opening range:</b>	all grapples are available with opening ranges not listed
<b>Non-standard plunge depth:</b>	all grapples are available with plunge depth not listed

Type	Description	Weight (kg)
KM 381 08 S	<b>tilting device</b> to reduce overall height of the equipment in transport	for shaft rotators 12
KM 381 08 F		for flange rotators 18



KM 381 18	<b>height reduction link</b> to reduce the overall height of the equipment in transport - for flange rotators	15
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KM 381 31

KM 381 05	<b>height stop</b> for quick adjustment of plunge depth	8
KM 381 06	<b>spring loaded guide rails</b> for stabilizing the top layer of the stack	---
KM 381 07	<b>spring loaded guide plates</b> for lateral stabilizing of the stack	---
KM 381 31	<b>adapter for concrete pipes</b> with diameters from 800 to 1350 mm	60