

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 16 to 55in 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 large 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 - easy to operate between the stacks.



KM 332V

Package brick stack grapple KM 332V-1100 c

Type	Plunge depth (in)	Load capacity at min./max. plunge depth (lbs)	Gripping A min./max. (in)	Height (in)	Self weight (lbs)
KM 332V-1100 c	43 - 65	4,180 / 2,970	16 - 55	60 - 81	781

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 39.4 in), 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 bundling) - the capacity listed does not apply to stacks of low-profile and unbundled items.

Brick stack grapple KM 332/333

Type	Plunge depth (in)	Load capacity at min./max. plunge depth (lbs)	Gripping A min./max. (in)	Height (w/o rotator) (in)	Self weight (w/o compression rails) (lbs)
KM 332-850	34	4,840	16 - 55	42	539
KM 332-1000	39	4,400	16 - 55	48	561
KM 332-1300	51	3,520	16 - 55	60	583
KM 332V-850	34 - 55	4,840 / 3,520	16 - 55	42 - 64	638
KM 332V-1100	43 - 65	4,180 / 2,970	16 - 55	52 - 73	726
KM 333-850	34	6,600	16 - 55	43	880
KM 333-1000	39	5,500	16 - 55	49	913
KM 333V-1100	43 - 65	5,060 / 3,520	16 - 55	53 - 74	1,078

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 16 - 71 in are available for - KM 332 - KM 333

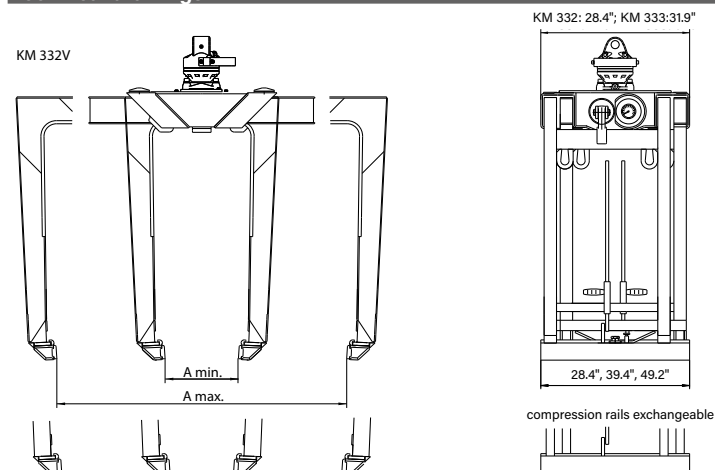
Accessories

Type	Description
KM 04 F	recommended KINSHOFER rotator for KM 332/333

Requirements of truck crane

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

Technical drawings






Compression rails

Type	Description	Length (in)	Weight (lbs)
 KM 381 29	KM 381 29 720	28	37
	KM 381 29 1000	39	53
	KM 381 29 1250	49	62
 KM 381 39	KM 381 39 720	28	53
	KM 381 39 900	35	62
	KM 381 39 1000	39	73
	KM 381 39 1100	43	84
	KM 381 39 1200	47	88
	KM 381 39 1250	49	92
 KM 381 32	KM 381 32 1000	39	136
	KM 381 32 1250	49	167
 KM 381 09	KM 381 09 720	28	37
	KM 381 09 1000	39	51
	KM 381 09 1250	49	62
KM 381 38	adapter for clamping arms to take compression rails KM 381 09		88

Please note: additional lengths of compression rails are available on request

Others

Type	Description	Weight (lbs)
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	tilting Device to reduce overall height of the equipment in transport	26
	for shaft rotators for flange rotators	40
 KM 381 18	height Reduction Link to reduce the overall height of the equipment in transport - for	33
	flange rotators	
 KM 381 31	height Stop for quick adjustment of plunge depth	18
	spring Loaded Guide Rails for stabilizing the top layer of the stack	
	spring Loaded Guide Plates for lateral stabilizing of the stack	
	adapter for Concrete Pipes with diameters from 31.5 to 53.2 in	132