

Large orange peel grapple for the handling of bulky scrap, the KM 650 large for various applications is available with different tine shapes, different volumes (250l, 350l, 500l), with 4 or 5 tines.

- ▷ **Different tine shapes** of the KM 650 series to accommodate handling a variety of materials:
  - **KM 651:** fully closing tines for handling swarf, loose waste, soil, gravel etc.
  - **KM 652:** half closing tines for handling swarf, scrap, rubbish, waste paper etc.
  - **KM 653:** pointed tines for bulky scrap, car bodies, bundled waste paper etc.
- ▷ **Number of tines** can be chosen with 4 or 5 tines.
- ▷ **Long life** due to a solid design: the hydraulic cylinder pistons are protected by the gripping arms and the hydraulic hoses, connections and oil distributor are positioned in the robust centre section. Special wear resistant materials used in the production of the gripping arms and oversized bearings ensure a long service life for these sturdy grapples.
- ▷ **A lifting-eye** on the centre section acts as an additional stop.
- ▷ **Powerful operation** with high closing force (13 kN to 18 kN at an operating pressure of 26 MPa).



### Orange peel grapple KM 650 large

Type	Number of tines	Volume (litre)	Opening max. A (mm)	Width E (closed) (mm)	Height C (closed, incl. rotator) (mm)	Self weight (w/o rotator) (kg)	Load capacity (kg)	Closing force (kN)
KM 651-4-250	4	250	1550	1285	1015	445	2500	18
KM 651-4-350		350	1720	1260	1100	470	3000	16
KM 651-4-500		500	2155	1320	1350	555	3000	13
KM 651-5-250	5	250	1550	1285	1015	520	2500	18
KM 651-5-350		350	1720	1260	1100	545	3000	16
KM 651-5-500		500	2155	1320	1350	635	3000	13
KM 652-4-250	4	250	1550	1285	1015	425	2500	18
KM 652-4-350		350	1720	1260	1100	440	3000	16
KM 652-4-500		500	2155	1320	1350	505	3000	13
KM 652-5-250	5	250	1550	1285	1015	505	2500	18
KM 652-5-350		350	1720	1260	1100	520	3000	16
KM 652-5-500		500	2155	1320	1350	595	3000	13
KM 653-4-250	4	250	1550	1285	1015	390	2500	18
KM 653-4-350		350	1720	1260	1100	395	3000	16
KM 653-4-500		500	2155	1320	1350	435	3000	13
KM 653-5-250	5	250	1550	1285	1015	470	2500	18
KM 653-5-350		350	1720	1260	1100	480	3000	16
KM 653-5-500		500	2155	1320	1350	525	3000	13

**Package consists of:** orange peel grapple, non-return valve

### Accessories

Type	Description
KM 04 F	recommended KINSHOFER rotator for KM 650 large
KM 04 F140-30US	recommended KINSHOFER rotator for KM 650 large – for heavy duty application
KM 06 F140-40	recommended KINSHOFER rotator for KM 650 large – for heavy duty application

### Requirements of truck crane

#### Operating pressure at oil flow:

max. 26 MPa (260 bar) at 25 - max. 75 l/min

⚠ **Mind the pressure!**

### Technical drawings

