



## MEILLER Roll-Off Tipper





Karlsruhe plant



Ulm plant



Düsseldorf plant



Plant in Waidhofen/Ybbs, Austria



Plant in Niepolomice, Poland

## MEILLER - success and corporate culture with tradition

F. X. MEILLER GmbH & Co KG is a Munich family enterprise which has enjoyed an exceptional reputation for over 160 years. The MEILLER brand is synonymous today with innovative products and system solutions in the construction and waste management sectors, thanks to a superior level of technological advancement and the extraordinary durability of our solutions.

Our customer relations are primarily defined by trust – trust in our first-class products and services.

Our brand embodies the following promises:

MEILLER develops, produces, markets and maintains products for construction and waste management which offer the customer outstanding added value.

With its headquarters in Munich, new production locations in Europe and a network of over 400 sales and service partners around the world, MEILLER has excellent links to the locations of construction and waste management customers.



Parent plant in Munich



Plant in Slaný, Czech Republic



Plant in Sakarya, Turkey

Subject to changes in the course of further development.

## The optimum roll-off tipper

This brochure contains detailed information on our roll-off tipper product range. Every MEILLER roll-off tipper is designed to ensure maximum productivity and efficiency, right from the first day and for its entire operating life. The MEILLER roll-off tipper is designed for truck chassis from **7.49 to 41 tons** total weight for fast and efficient transportation of containers. Our roll-off tipper impresses through its low tare weight, high component strength and elasticity, simple handling as well as its long service life.

Use of superior materials and the employment of the latest production processes ensure that, in addition to a high payload and degree of stability, our customers can enjoy an excellent level of value retention when it comes to our tippers.

Close cooperation with chassis manufacturers enables us to achieve an optimum degree of harmonisation between the vehicle chassis and superstructure. A close exchange between MEILLER and truck manufacturers enables us to respond rapidly to new market requirements and underlies our competence as a system supplier.



# Roll-Off Tipper Range



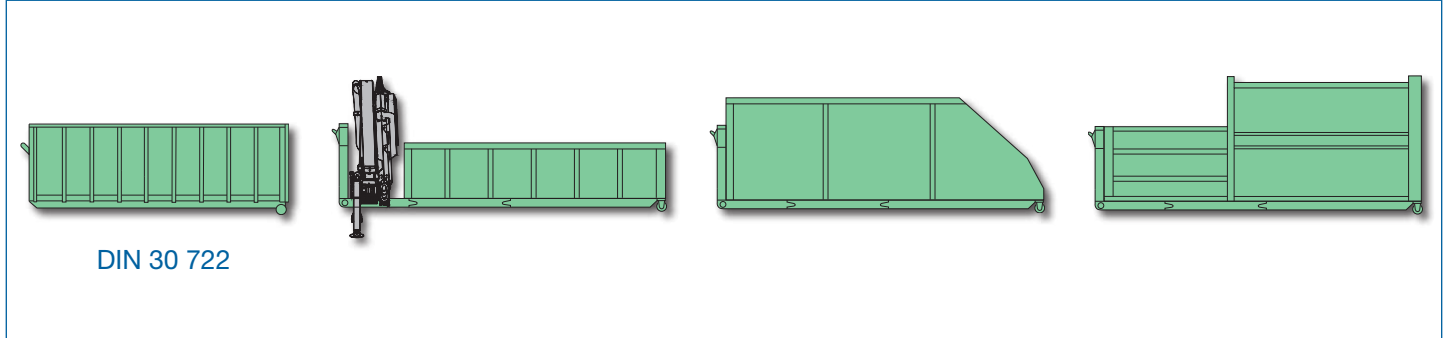
## Technical data:

Payload incl. container:..... 4,500 – 6,900 kg (dependent on chassis) RK weight:..... 790 – 795 kg	Payload incl. container:..... 5,000 -11,000 kg (dependent on chassis) RK weight:..... 1,100 – 1,250 kg	Payload incl. container:..... 7,000 -11,000 kg (dependent on chassis) RK weight:..... 1,675 - 2,080 kg
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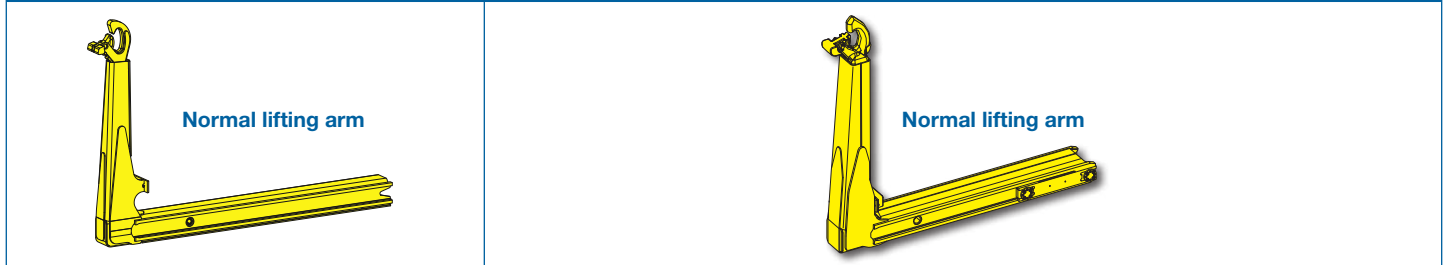
## Suitable chassis:



## Container sizes:



## Lifting arm types:



## RK 30.65 TSL

AbRollKipper  
 (roll-off tipper)  
 Max. lifting  
 capacity:

<b>30</b> = 30 t
<b>20</b> = 20 t
<b>14</b> = 14 t
<b>11</b> = 11 t
<b>8</b> = 8 t
<b>6</b> = 6 t

Max. container length as per DIN 30  
 722:  
 (clear internal length L<sub>i</sub>)

<b>70</b> = 7.00 m	<b>55</b> = 5.50 m
<b>67</b> = 6.75 m	<b>52</b> = 5.25 m
<b>65</b> = 6.50 m	<b>50</b> = 5.00 m
<b>62</b> = 6.25 m	<b>47</b> = 4.75 m
<b>60</b> = 6.00 m	<b>45</b> = 4.50 m
<b>57</b> = 5.75 m	

For **RK 20.XX**:  
**TS** = Telescopic and swivelling  
 hook arm

For **RK 30.XX**:  
**K** = Short version  
**L** = Long version  
**TSK** = Telescopic and swivelling  
 hook arm, short version  
**TSL** = Telescopic and swivelling  
 hook arm, long version

Subject to changes in the course of further development.

## RK 20



## RK 30

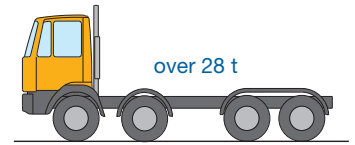


### Technical data:

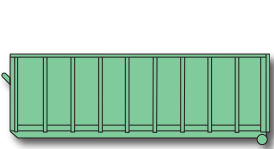
Payload incl. container:..... 13,000 -16,000 kg  
(dependent on chassis)  
RK weight:..... 2,195 - 2,750 kg

Payload incl. container:..... 18,000 -27,000 kg  
(dependent on chassis)  
RK weight:..... 3,095 - 3,670 kg

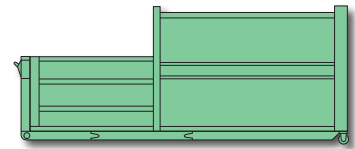
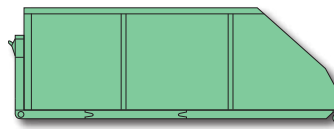
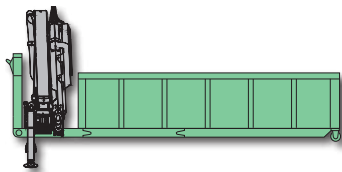
### Suitable chassis:



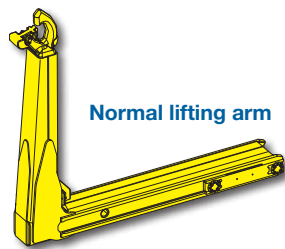
### Container sizes:



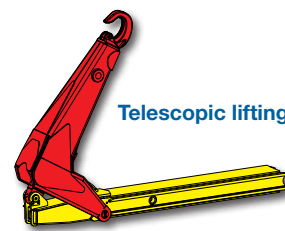
DIN 30 722



### Lifting arm types:



Normal lifting arm



Telescopic lifting arm

### Why?

#### Normal lifting arm

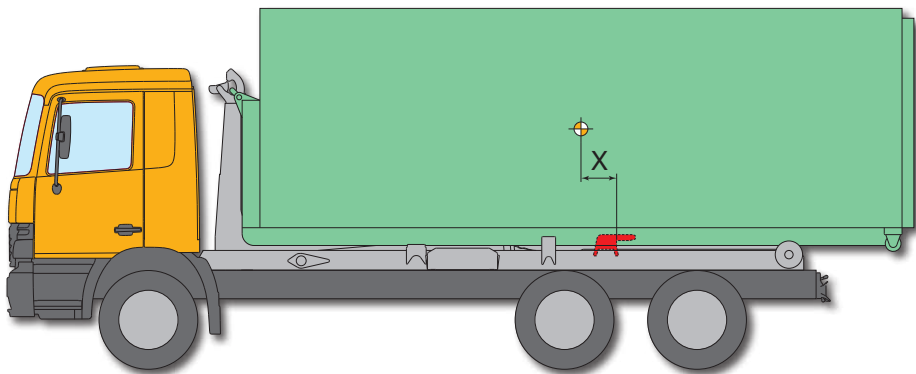
- When it has to be simple and sturdy
- Optimal for containers that often have the same size

#### Telescopic lifting arm

- For extra container variety
- When heights are low
- When the container has to be pulled on flat
- When the container is to be transhipped onto rail wagons (ACTS)

# Roll-Off Tipper General

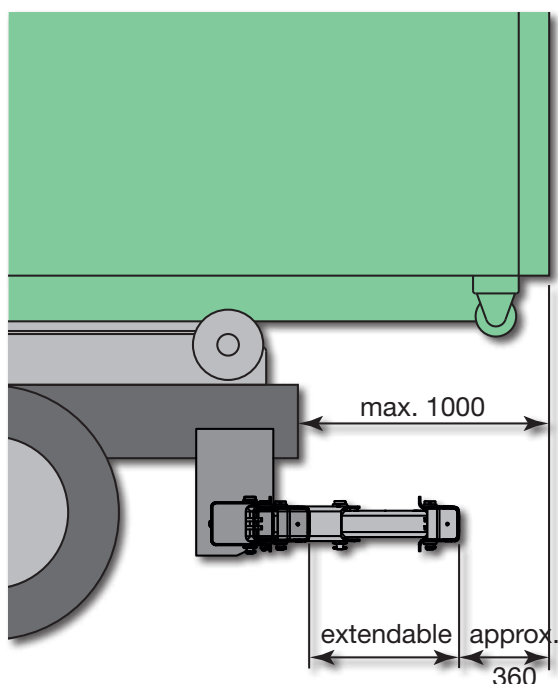
## Certification for the securing of load as per DIN 30722



The container is normally locked onto the chassis for transport by the mechanical lock compliant with DIN 30722. If the appropriate locking elements ("locking window") are fitted to the containers, when the container is moved to the front it is automatically locked by the "locking pin" fitted on the roll-off tipper. This locking method has three important functions:

1. The container is locked onto the vehicle for transport.
2. The tipping movement is ensured by the container connection to the rear "tipper frame" (also called "rocker beam").
3. In accordance with DIN 30722, the locking dimension "X" is selected so that the distance of the theoretic centre of gravity of the container to the locking window always remains constant at 360 mm. This means the container (regardless of whether long or short) is always locked to the vehicle with the centre of gravity at the same position.

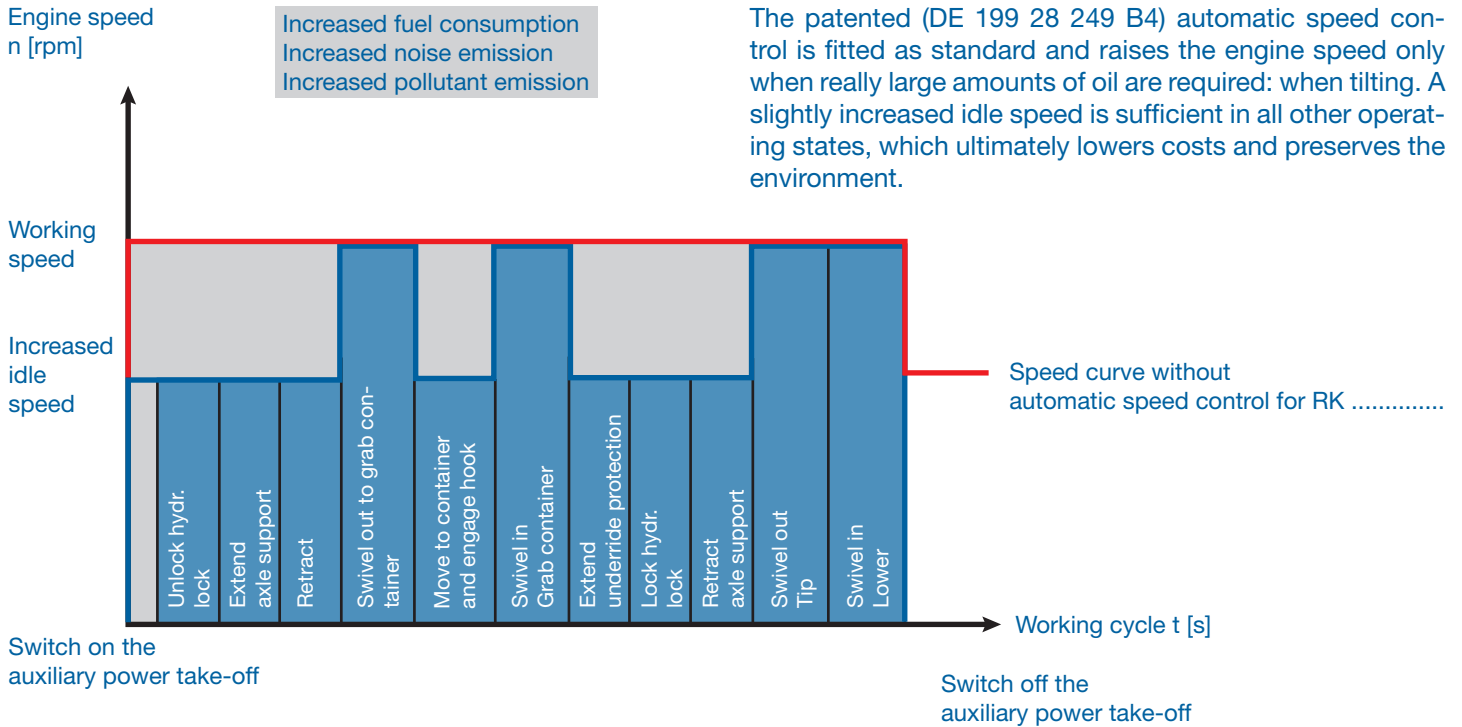
## Compliance with legal requirements



When we design roll-off tipper we make sure that legal requirements are complied with:

1. Container protrusion over the underride protection compliant with Directive 70/221/EEC:  
The container protrusion may not exceed 400 mm after test forces have been applied. If the deformation of the underride protection after test forces have been applied (up to approx. 40 mm) and normally usual maximum container protrusion over the chassis frame end is approx. 990 mm, the underride protection must be fitted at least 630 mm behind the chassis frame end. However, as the underride protection would be disruptive in this position when dumping, pulling up or setting down the container, an adjustable underride protection must be used that is pushed in when dumping and pulling up or setting down the container.
2. Container protrusion over the vehicle lighting in accordance with section 53 para. 5 German road traffic regulations (StVZO) :  
The container protrusion over the lights may not exceed 1000 mm. Our roll-off tipper are therefore designed so that the longest transported container protrudes approx. 980-990 mm behind the chassis frame end in accordance with DIN 30722. The regulation is complied with when the rear edge of the lights is normally flush with the chassis frame end.

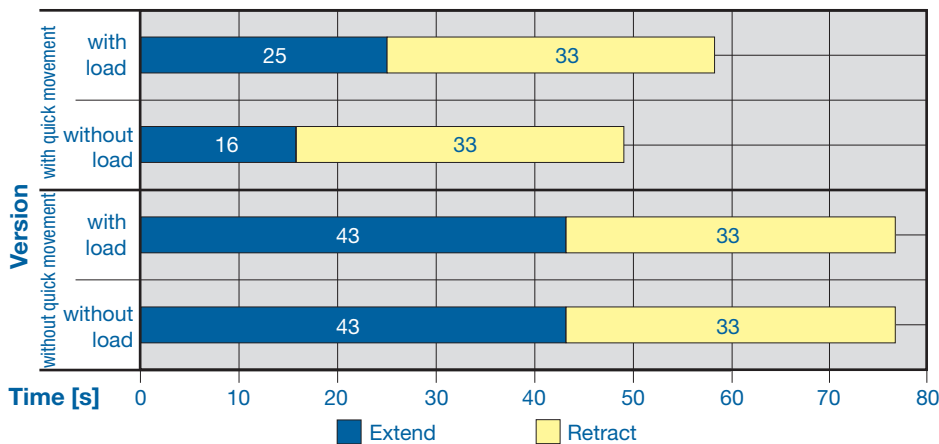
## Automatic speed control



## Load-dependent quick movement (Standard equipment on RK 20.XX, RK 20.XX TS, RK 30.XX, RK 30.XX TS)

### Comparison of work times

(Values for RK 20.65 with model 276/101 pump,  
auxiliary power take-off reduction  $i = 1.09$  and engine speed  $n = 1080$  rpm)



The load-dependent quick movement extending the swivel cylinder is automatically activated at maximum control lever deflection allowing for the load conditions.

Whilst quick movement operates over the entire stroke with empty containers, quick movement is only switched on in a specific uncritical range for loaded containers, depending on the container weight.

This preserves the hydraulics and steel construction and at the same time allows high working speeds.

# Roll-off tipper Equipment



Underride protection extended



Underride protection retracted



Rigid underride protection



Folding underride protection



Mechanical underride protection



Lighting in the underride protection





Trailer hydraulics



Multifunction plate



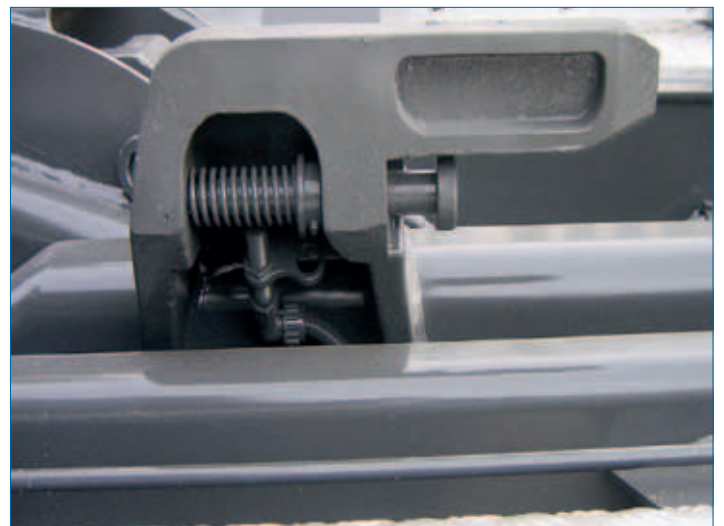
Lifting arm lock



Inner lock



Inner/outer combination lock



Locking pin

# Roll-off tipper Equipment



Crane connections



Crane lock



Net box



Net box above fuel tank



Bracket for ladder



Shovel and broom brackets



Tool box



Aluminium mud protection



Attachment for oil tank and side safety guard



Roller support



Axle support

# Roll-off tipper Equipment



Additional support for short containers



Control units in tilting cab



Roll-off tipper with side tipper superstructure



# Roll-off tipper Crane superstructures



Crane on vehicle



Crane on container

# MEILLER Roll-off tipper



## Container transport trailer

Ideal for transportation of roll-off containers as per DIN 30 722

Key features:

- Optionally leaf or air suspension
- Surface optionally painted or galvanised
- Overall weight 18 t
- with certification for the securing of load

## MEILLER i.s.a.r. control



Touch buttons for controlling secondary functions  
Recessed arrangement of buttons enables operation without slipping

Action radius approx. 15 m

- Optimal, variable location in tilting cab
- Independent operating position
- Work area safely in view
- Robust for construction industry
- One control unit for all functions
- Long battery life
- One-handed operation in the cab holder
- One-handed operation even with gloves
- Suitable for left and right-handed operators
- Precise and logically arranged control elements
- World-wide allocation of frequency band
- Safe, reliable digital radio (dynamic radio channel selection)
- Operating temperature from -40°C to +80°C
- Low control unit weight (approx. 340 g)

## Globally active

MEILLER products are valued all over the world. Our numerous company locations perfectly express these aspirations. Wherever commercial vehicle manufacturers are active, we ensure that we are close at hand and ready to offer rapid support.. Throughout Europe, MEILLER's own locations are complemented by authorised import and contract partners. Our commitment is not only evident in our first-class products, but also in our MEILLER after-sales service which demonstrates its competence throughout the industry. Our mobile after-sales service and over 400 customer service offices are perfectly equipped to provide rapid and qualified assistance in service cases.

The needs and requirements of our customers have always been a defining factor in our corporate policy.

And you too can find a MEILLER location in your close vicinity.



**F. X. MEILLER** Fahrzeug- und Maschinenfabrik-GmbH & Co KG  
Untermenzinger Str. 1 · 80997 München, Germany  
Phone +49 89 1487-0 · Fax +49 89 1487-1595  
info@meiller.com · www.meiller.com