MEILLER – where success and corporate culture are a matter of tradition

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

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

Our brand embodies the following promises:

MEILLER develops, manufactures, sells and maintains products for the construction and waste disposal sectors – products that offer its customers outstanding added value.

Headquartered in Munich, with nine production locations in Europe and a network of over 400 sales and service partners throughout the world, MEILLER has excellent connections to the facilities of its customers in the construction and waste disposal sectors.
The optimum skip handler

This brochure contains detailed information on our range of skip handlers. Each MEILLER skip handler is designed to ensure a maximum degree of productivity and economic efficiency, right from the first day and for its entire operating life. The MEILLER skip handler is designed for truck chassis with a gross weight ranging from 6 to 33 tonnes to ensure the rapid and efficient transportation of skips. Our skip handlers are distinguished by their low tare weight, high component stability and flexibility, simple handling and a 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.

Close cooperation with chassis manufacturers enables us to achieve an optimum degree of harmonisation between the vehicle chassis and superstructure. The close exchange between MEILLER and truck manufacturers enables us to respond quickly to new market demands and distinguishes us as a competent system supplier.
## Skip handler range

<table>
<thead>
<tr>
<th>AK 4</th>
<th>AK 7</th>
<th>AK 10</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="AK 4" /></td>
<td><img src="image2" alt="AK 7" /></td>
<td><img src="image3" alt="AK 10" /></td>
</tr>
</tbody>
</table>

### Technical data:

<table>
<thead>
<tr>
<th>Max. lifting force from road surface</th>
<th>AK weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,000 kg</td>
<td>950 – 1,150 kg</td>
</tr>
<tr>
<td>7,000 kg</td>
<td>1,600 – 1,900 kg</td>
</tr>
<tr>
<td>10,000 kg</td>
<td>1,400 – 2,000 kg</td>
</tr>
</tbody>
</table>

### Appropriate chassis:

<table>
<thead>
<tr>
<th>Nominal payload in t</th>
<th>Skip handler range</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.5 – 9 t</td>
<td>DIN 30 720 Part 1</td>
</tr>
<tr>
<td>9 – 12 t</td>
<td>DIN 30 720 Part 1</td>
</tr>
<tr>
<td>12 – 15 t</td>
<td>DIN 30 730 K 1</td>
</tr>
</tbody>
</table>

### Skip sizes:

<table>
<thead>
<tr>
<th>Skip size</th>
<th>Supporting arm type</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 5 m³</td>
<td>DIN 30 720 Part 1</td>
</tr>
<tr>
<td>DIN 30 720 Part 1</td>
<td>DIN 30 720 Part 1</td>
</tr>
<tr>
<td>DIN 30 730 K 1</td>
<td>DIN 30 730 K 1</td>
</tr>
<tr>
<td>DIN 30 730 K 2</td>
<td>DIN 30 730 K 2</td>
</tr>
</tbody>
</table>

### Supporting arm types:

<table>
<thead>
<tr>
<th>Arm type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG arm</td>
<td></td>
</tr>
<tr>
<td>N arm</td>
<td></td>
</tr>
<tr>
<td>TG arm</td>
<td></td>
</tr>
</tbody>
</table>

### AK 10 MTS

<table>
<thead>
<tr>
<th>Nominal payload in t from road surface</th>
<th>Letter identifier for special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 t</td>
<td>S = narrow version</td>
</tr>
<tr>
<td>7 t</td>
<td>G = curved supporting arm</td>
</tr>
<tr>
<td>10 t</td>
<td>L = long</td>
</tr>
<tr>
<td>Z = additional arm</td>
<td>ZA = additional arm, turned</td>
</tr>
</tbody>
</table>

Subject to changes in the course of further development.
<table>
<thead>
<tr>
<th>AK 12</th>
<th>AK 16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max. lifting force from road surface:</strong></td>
<td>13,000 kg</td>
</tr>
<tr>
<td><strong>AK weight:</strong></td>
<td>2,750 – 2,900 kg</td>
</tr>
</tbody>
</table>

**Appropriate chassis:**
- AK 12: up to 20 t
- AK 16: up to 33 t

**Skip sizes:**
- DIN 30 720 Part 1
- DIN 30 720 Part 2
- DIN 30 730 K 1
- DIN 30 730 K 2
- Silo container *)

**Supporting arm types:**
- N arm
- T arm
- TG arm
- Z arm
- ZA arm

**Why?**
- **N arm**
  - Where simplicity and robustness are called for
  - Optimum for frequent use of the same skip sizes
- **T arm**
  - Where greater height and reach is required
  - For all skip sizes
  - Indispensable for raised offloading
- **TG arm**
  - For confined spaces
  - Optimum skip handling, particularly where available space is critically restricted
- **Z arm**
  - Where a particularly low profile is required in the travel position (e.g. for journeys involving underpasses and restricted clearance height)
- **ZA arm**
  - Where a particularly low profile is required in the working position (e.g. picking up skips in buildings with a low ceiling)

*) with appropriate additional equipment
Skip handler – general information

Secure load certificate

All MEILLER skip handlers meet the requirements for load securing pursuant to sections 22 and 23 StVO and section 30 StVZO in conjunction with VDI Directive 2700 and 2700 Sheet 17. This applies to the standard version and “skip clamping mechanism” and “skip locking mechanism” variants. Certified by TÜV-Nord.

Overload indicator

DIN 30 723 demands it – the MEILLER skip handler has it: a standard device for indicating overloading. This simple but reliable device enables rapid detection of any potential vehicle overloading in the case of all skip handlers with telescopic arms.
Hydraulic skip clamping device

The hydraulic skip locking mechanism is a hydraulic load securing system that effectively secures the skip against slipping using 4 lateral skip stops. The stops can be continuously adjusted over a range of 1040 to 1800 mm without reinsertion, enabling positive securing of practically all conventional skips, including waste compression containers. This device meets all the requirements of VDI Directive 2700 Sheet 17 regarding lateral securing of loads.

With TÜV-Nord certificate.

Clamping range: 1040 – 1800 mm

Hydraulic skip locking mechanism

The hydraulic skip locking mechanism is a hydraulic load securing system that actively intervenes in the front and rear pivot bearings of the skip, effectively securing them towards the front and rear. It conforms completely to DIN 30 723, the revised standard for skip handlers, and meets all the requirements of VDI Directive 2700 Sheet 17 regarding load securing in and against the direction of travel.

With TÜV-Nord certificate.
Automatic speed control

The patented (DE 199 28 249 B4) standard automatic speed control only increases the engine speed if really major oil volumes need to be pumped: during slewing. A slightly accelerated idling speed is adequate in all other operating modes, and this also reduces costs and benefits the environment.

Load-dependent high speed (standard for AK 16; optional for AK 7, AK10, AK12)

Load-dependent high speed for extending the slewing rams is automatically activated in the event of maximum movement of the control lever, taking the load ratio into consideration. Whereas high speed acts on the entire stroke in the case of empty skips, it is, depending on the skip weight, only activated within a particular uncritical range in the case of loaded skips. This relieves stress on the hydraulics and steel structure and, simultaneously, enables the achievement of high working speeds.

Automatic pressure increase during slewing (standard for AK 12 and AK 16)

This device assists in increasing to the hydraulic pressure value required for movement to the end positions under load during slewing. In the event of a preconfigured operating pressure being exceeded, one circuit of the 2-circuit hydraulic pump is deactivated and directed towards the tank. The consequence of this is that the unit only soft starts at half speed when raising from the end positions.

This means that hydraulic pumps with a high pumping capacity can also be combined with standard power take-off systems provided by chassis manufacturers. Costly special power take-off systems are not necessarily required.

Subject to changes in the course of further development.
Skip handler
AK 4

Skip handler AK 4

Lashing rings on the loading platform

Skip handler control in driver’s cab

Rear underride guard

External control and overload indicator

Single tipping hook with integrated safety catch
Subject to changes in the course of further development.

Skip handler
AK 7 / AK 10
Standard equipment

Skip handler AK 7

Skip handler AK 10

UVV-approved access ladder
Curved supporting arm
... and side

Side Meiller safety guard
Rear underride guard
Control unit and hold
Skip handler
AK 7 / AK 10
Additional equipment

Hydraulic high speed module
Spare wheel carrier behind driver’s cab

External control
Anti-topple lock

Skip locking mechanism
Skip clamping mechanism
Skip handler
AK 12 / AK 16
Standard equipment

- Aluminium cover plates
- Chain suspension device with lifting chains and shortening features
- Maintenance-friendly removable lifting arm/pivot shaft connection
- Central tipping hook with integrated safety catch and opening prevention feature
- Stabilising jacks with self-centring pentagon profile
- Hold
- Weld-free mounting of fitted parts

Subject to changes in the course of further development.
Skip handler
AK 12 / AK 16
Additional equipment

Safety hooks ...
...or safety eyes

Front panel

Wear rails

Multiple tipping hooks
Roller stabilisers
Trailer connection plate

High tipping mechanism with ... ...
...overload deactivation
Tool box
Skip transport trailer

Suitable for transporting up to two skips conforming to DIN 30 720-1

Important features:
• Choice of leaf spring or air suspension
• Pneumatically lowerable and liftable drawbar
• Choice of galvanised or hot-dip galvanised surface
• Total weight 18 t
• With secure load certificate
MEILLER i.s.a.r. control

- Optimum variable location in driver’s cab
- Independent operating position
- Work area safely in view
- Robust design 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 approval of frequency band
- Reliable digital radio (dynamic radio channel selection)
- Operating temperature from -40°C to +80°C
- Low control unit weight (approx. 340 g)

寿命極致位置在駕駛艙
- 獨立操作位置
- 工作區域清晰
- 建築業務的強健設計
- 一個控制單元為所有功能
- 長續航力
- 一放手在駕駛艙工作
- 一放手操作，甚至手套
- 適用於左及右駕駛操作員
- 精確及合理排列控制元件
- 世界通用的頻率批准
- 頻率可靠的數字電台（動態頻率選道）
- 操作溫度從-40°C到+80°C
- 低控制單元重量（約340g）
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 reflected not only in our first-class products, but also in MEILLER's after-sales service which has an impressive reputation in 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 decisive factor in our corporate policy.

You too can find a MEILLER location in your vicinity.