GRANDLOAD®

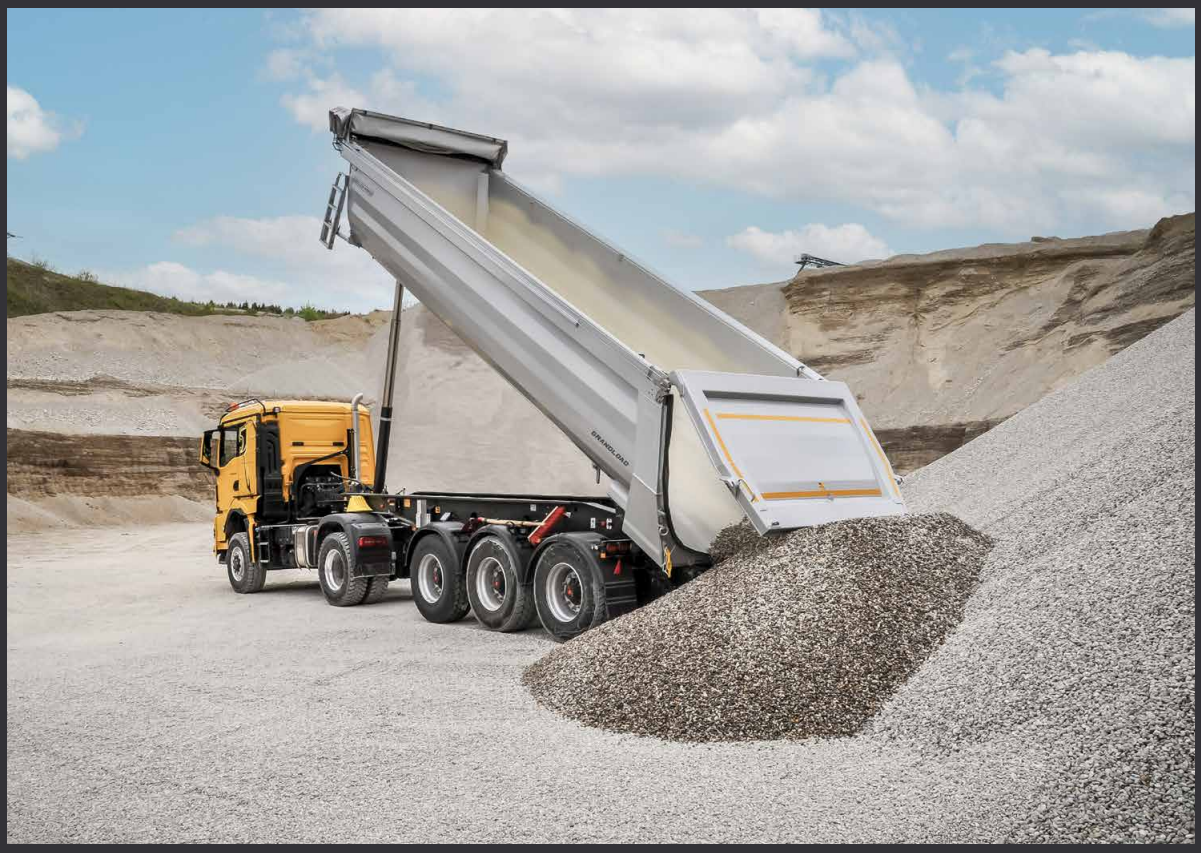
ECONOMIC.
ROBUST.
RELIABLE.



THE GRANDLOAD® TIPPING SEMI-TRAILER

HIGHEST QUALITY THANKS TO PRACTICAL SOLUTIONS

Transport high payloads quickly and safely with outstanding driving characteristics – due to the semi-trailer's low tare weight. Handling and operation are easy and practical – for economic and uncomplicated use. MEILLER tipping semi-trailers are designed for maximum productivity – from the very first day and throughout their entire operating life.





For the transport of bulk material ...



... to the construction site

INNOVATIVE AND EFFICIENT

MEILLER GRANDLOAD tipping semi-trailers are characterised by excellent driving and tipping properties: A low overall centre of gravity and a stiff and torsion-resistant frame structure means the tipping semi-trailer sits safely on the road. MEILLER uses innovative running gears that are dynamically balanced and low-maintenance.

MEILLER steel tipper bodies impress with a three-shell, wear-optimised concept that means they can be perfectly tailored to your individual operating conditions. MEILLER tipper bodies tip swiftly and safely. A quick lowering mechanism can further accelerate the lowering cycle.

EVERYTHING FROM A SINGLE SOURCE!

Perfectly matched components ensure high reliability. With MEILLER, everything comes from a single source – from the chassis frame and the hydraulic system right up to the tipper body. This integration enables MEILLER to adapt the tipping semi-trailer precisely to your application and guarantees optimum cost-effectiveness.

MEILLER tipping semi-trailers are robust and durable thanks to the use of high-strength materials and the latest manufacturing processes. The frame construction is stable and well protected against corrosion – for daily use.

THE 44 SERIES

ECONOMIC LIGHTWEIGHT

Gain greater economic efficiency! Save time and money in every transport cycle! Detailed, innovative MEILLER solutions allow you to benefit from high payloads and comfortable driving characteristics.

FLEXIBLE ROBUSTNESS

The MEILLER GRANDLOAD combines a high payload with great robustness. Its rugged design enables universal use with different loads and changing driving surfaces. In addition to sand, gravel and excavated material, the tipping semi-trailer can also easily transport rocks and concrete rubble. Its resilient and durable chassis brings the GRANDLOAD safely to its destination, even over difficult terrain. The low overall centre of gravity ensures good road-holding and stability when tipping.

The low horizontal dumping edge makes tipping effortless. A wheeled loader fills the tipper body more easily over the lower loading edge.

LONG LIFETIME

At MEILLER a long life is the top priority: even after many years of hard use, your MEILLER tipping semi-trailer retains its value and remains attractive for resale. MEILLER ensures stability and robustness in every detail:

- Optimised force introduction minimises crack formation
- Tailored blanks: reinforced floor plate in the rear third due to the higher abrasive wear
- Optional wear plates for a longer lifetime




Low loading edge
Tarpaulin systems
GRANDLOAD
MEILLER

PRODUCT RANGE

FOR EVERY REQUIREMENT, THERE IS AN IDEAL GRANDLOAD® TIPPING SEMI-TRAILER

TYPE	MHPS44.2-K	MHPS44.2-N	MHPS44.2-L	MHPS44.3-N	MHPS44.3-L
Number of axles	2 axles	2 axles	2 axles	3 axles	3 axles
Nominal length (version)	6.6 m (short)	7.6 m (normal)	8.6 m (long)	7.6 m (normal)	8.6 m (long)
Nominal volume (tailgate, outside)	20 - 23 m^3	23 - 27 m^3	26 - 32 m^3	23 - 28 m^3	26 - 32 m^3
Nominal volume (tailgate, inside)	19 - 22 m^3	22 - 27 m^3	25 - 31 m^3	22 - 27 m^3	25 - 31 m^3
Side wall height	1,400 - 1,700 mm	1,400 - 1,700 mm	1,400 - 1,700 mm	1,400 - 1,700 mm	1,400 - 1,700 mm
Tailgate variants	S1, S2, S4, S5	S1, S2, S4, S5	S1, S2, S4, S5	S1, S2, S4, S5, S6	S1, S2, S4, S5, S6




GRANDLOAD

DRIVE SAFELY – TIP SAFELY

BEST DRIVING CHARACTERISTICS AS A RESULT OF INNOVATIVE RUNNING GEAR

DRIVE COMFORTABLY AND SAFELY

MEILLER running gears are optimally matched to each other: the stiff and torsion-resistant MEILLER chassis frame and the axles, bearings, brakes, shock absorbers and air springs components from well-known manufacturers ensure the best driving characteristics. A low centre of gravity promotes safe road holding. MEILLER offers a reinforced frame for high trailer and axle loads.

MEILLER TIPPING TECHNOLOGY – SAFE AND FAST

The high working speed is the result of the powerful MEILLER hydraulic system. The quick lowering mechanism saves you up to 40% time when lowering. High overload reserves, high initial lifting force and the low overall centre of gravity make tipping safe. Long guides reduce the tendency of the piston to kink. A tipping alert warning system monitors the inclination of the tipping semi-trailer and warns the driver early.

DRIVE SAFELY – BRAKE SAFELY

The manoeuvring aid improves cornering ability, especially at roundabouts and when turning. This also reduces tyre wear and makes manoeuvring easier.

DRIVE OFF QUICKLY WITH THE STARTING AID

Engage the starting aid at the push of a button to improve the traction of the truck tractor on rough terrain.

LIFTING AXLE

Axle lifting systems reduce tyre wear and fuel consumption on empty runs. When the vehicle is laden, the lifting axle automatically lowers and provides a higher total axle load with greater driving stability.



MEILLER hydraulic system: Powerful. Durable. Efficient.



Lifting axle



Stiff and torsion-resistant MEILLER chassis frame


ECONOMIC.
ROBUST.
RELIABLE.


MEILLER-KIPPER
GRANDLOAD

TIPPER BODIES AND TAILGATES

DURABLE AND PRACTICAL

MEILLER TIPPER BODIES

MEILLER tipper bodies are designed for a long lifetime: they are crack-resistant and low wear for the harshest applications. The bulbous shape protects against abrasive and impact wear. The reduced loading height makes filling easier and lowers the centre of gravity. This improves the driving and tipping characteristics.

CUSTOMISED FLOOR PLATES

MEILLER floor plates are adapted to typical wear: abrasive wear is higher in the rear third. Reinforced sheet metal plates are used here, ensuring an even longer lifetime. The remaining area is designed optimised for weight.

BODY SUPERSTRUCTURES

High capacity for light bulk material: from agricultural products to recycling materials: MEILLER body superstructures offer ample space for light bulk material.

TAILGATES

Choose your ideal solution from the different tailgate variants. The S4 or S5 switchable tailgates with jaw or claw lock provide maximum flexibility. The S6 tailgate variant opens hydraulically – in conjunction with the i.s.a.r.-control radio control unit, very conveniently at the press of a button.

- **Hinged tailgate**
  The hinged tailgate is optimised for wear and opens as early as a tipping angle of 3°.

- **Hydraulically opening tailgate**
  The hydraulic tailgate opens fully before tipping operation starts or during tipping and remains open throughout the tipping process. The S6 tailgate variant closes hydraulically tight without a lock.

ACCESSORIES FOR TAILGATES

- Dosing system
- Leak-proof locks
- Rubber seal
- Double joint

External limit stop

Top-hinged opening



S1/S4

Internal limit stop



S2/S5

Hydraulic opening



S4/S5/S6

TAILGATE		OPENS			LOCK
		Top-hinged	Hydraulic	Optionally both	
Inclined	Outboard	S1	S6 (without lock)	S4	Jaw
	Inboard	S2	S2	S5	Claw

MOUNTING PARTS AND ACCESSORIES

Optimise your MEILLER tipping semi-trailer for your own special applications. The range of accessories make your everyday work safe and practical.

MEILLER TARPAULIN SYSTEMS

Cover your transported material: save fuel and protect your load. The electrical version provides comfortable operation with the MEILLER i.s.a.r.-control radio control unit. MEILLER tarpaulin systems are a perfect match for MEILLER tipper bodies. Benefit from an integrated solution from a single source.

- Manual or electrical sliding tarpaulin, with or without tarpaulin protective roof
- Side roll-up tarpaulin with patented quick-action lock

LAMPS WITH LED TECHNOLOGY

Benefit from additional road safety and long life with MEILLER lamps equipped with LED technology.

- LED rear lighting with integrated triangular reflectors
- LED working lights
- Side LED marker lamps
- Position and marker lamps

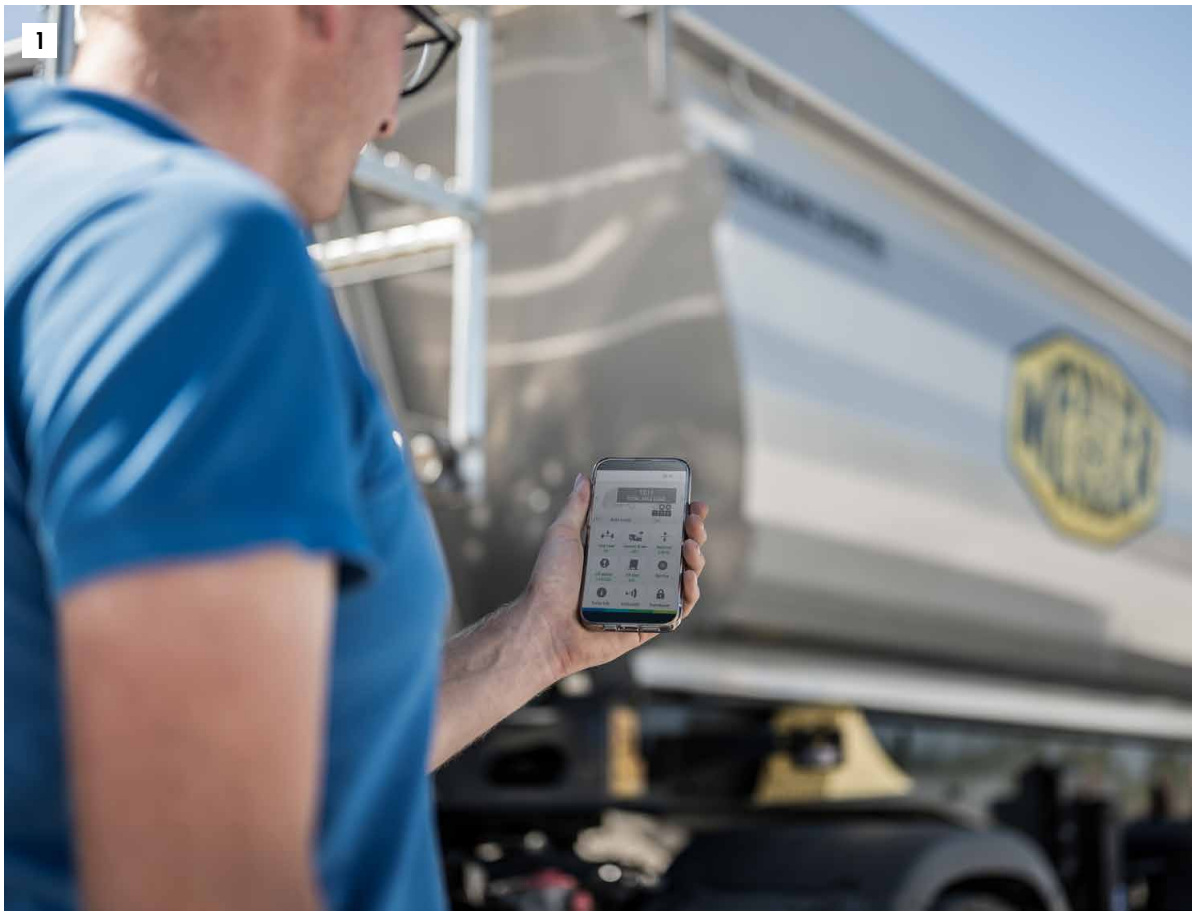
SAFE ACCESS STEPS

Steel or aluminium access ladder, folding, with ergonomic quick lock (UVV-compliant)

I.S.A.R.-CONTROL RADIO CONTROL UNIT

The MEILLER i.s.a.r.-control radio control unit gives you full control: tip from a safe distance and at a location with the best visibility. The sequence control automates a sequence of operating steps. This makes handling easier and avoids operating errors.

1 Driver assistance system
2 Sturdy fixtures for the mudguards
3 Operating platform
4 LED working light
5 LED lamps
6 Underrun protection






MEILLER-KIPPER






MEILLER
MEILLER

QUALITY AT MEILLER

RELIABLE, DURABLE AND EXTREMELY RESILIENT – FOR OVER 175 YEARS.



DEVELOPMENT QUALITY

We provide maximum quality with durable, customer-oriented solutions through tests, customer integration and continuous inspections.



PRODUCT QUALITY

Our products offer maximum quality with a CDC coating, wet primer and cavity sealing.



QUALITY HYDRAULICS

With high-quality materials, cylinders and wear-resistant components, our hydraulic systems offer minimum maintenance and maximum efficiency.



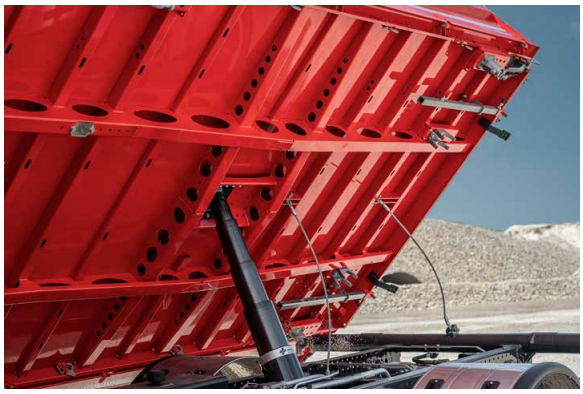
SERVICE QUALITY

Our service team minimises downtimes through rapid support, mobile factory customer service and efficient logistics.

STEELECT®

STEEL FOR PERFECT TIPPERS





Optimum steel mix guarantees a high payload and maximum stability

OPTIMUM STEEL MIX

The STEELECT® quality seal stands for optimum use of a variety of branded steels to maximise the resistance to wear and bearing capacity of MEILLER tippers. MEILLER selects the best steel for each component to suit the function and application.

STEELECT® quality steels reduce abrasive wear, thus minimising repairs and ensuring a long service life. A lighter structure is enabled, with maximum stability being simultaneously guaranteed. This enhances the payload and leads to efficient operation, including a high resale value.

Designation	Steel type	Hardness	Yield strength	Min. tensile strength
STEELECT® 128	Structural steel	128 HBW	355 N/mm²	430 N/mm²
STEELECT® 220	Structural steel	220 HBW	500 N/mm²	500 N/mm²
STEELECT® 240	Structural steel	240 HBW	650 N/mm²	700 N/mm²
STEELECT® 400	Extremely wear-resistant fine-grain steel (wear resistant steel)	400 HBW	1.000 N/mm²	1.250 N/mm²
STEELECT® 450	Extremely wear-resistant fine-grain steel (wear resistant steel)	450 HBW	1.200 N/mm²	1.350 N/mm²
STEELECT® 500	Extremely wear-resistant fine-grain steel (wear resistant steel)	500 HBW	1.300 N/mm²	1.600 N/mm²

All values are approximates.

MEILLER TIPPER

ECONOMIC. RELIABLE. INNOVATIVE.

COMPANY
MEILLER stands for durable, practical and technically sophisticated tipper superstructures that can be adapted to individual requirements with many options.

MEILLER employees work every day to make the products safer to use, practical and convenient to deploy in practice.

MEILLER relies on state-of-the-art manufacturing processes throughout the entire process chain and continuously optimises product development in order to always keep one step ahead of increasing quality standards.

Steel components, hydraulic systems and control technology come from a single source at MEILLER – the unique compatibility of the components speaks for the efficiency of the MEILLER products and their long lifetime.

EVERY MEILLER EMPLOYEE
IS A GUARANTEE FOR THE HIGH QUALITY OF ALL MEILLER PRODUCTS.



SUSTAINABLE INTO THE FUTURE

Certified environmental management in accordance with DIN 14001:2015 and EMAS demonstrates that MEILLER is committed to the responsible and efficient use of resources.



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