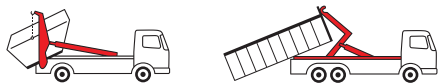


Skiploader / Hookloader

PALFINGER PALIFT



The Professional

About us

With some 40 years of in-depth experience in the production of hookloaders and skiploaders, GUIMA PALFINGER joined the international PALFINGER Group in 1999. As the global leader in terms of units produced and product range, GUIMA PALFINGER offers hookloaders with loading capacities from 2 to 30 tons and skiploaders with loading capacities from 8 to 18 tons that are marketed internationally under the PALFINGER PALIFT brand and comply with the standards applicable in each country. Our products are distributed to more than 70 dealers all over the world.

GUIMA PALFINGER has been certified to ISO 9001 + ISO 14001 (environment) + OHSAS 18001 (security) since the beginning of 2009. The Caussade site (82) is the centre of excellence for hookloaders and skiploaders in the PALFINGER GROUP.

This site covers:

- All support functions of GUIMA PALFINGER & GUIMA FRANCE
- The R&D department
- 2 plants dedicated to production and assembly of all the hookloaders and skiploaders in the GUIMA PALFINGER range.

Facts and key figures:

- 3-year full warranty on all mechanical parts
- A full sales package completes the product range (skiploader / hooklift , container, various accessories, etc.)
- Training of workshop staff in assembly, repairs and maintenance at our plant or at the dealer's premises
- More than 40 years experience with more than 50,000 units still working all over the world;
- Ongoing contact with end users



High-quality products for all requirements anywhere in the world



Our products are designed to fit the market in more than 70 countries worldwide. PALFINGER has in-depth knowledge of containers, standards, market needs and a wide range of applications. Our products are manufactured using state-of-the-art machinery to achieve maximum product quality (plasma cutting, CNC machines, welding robots).

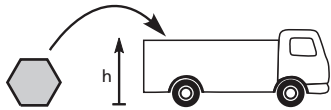
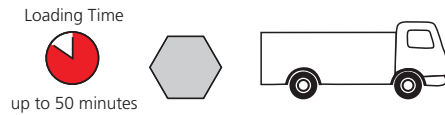
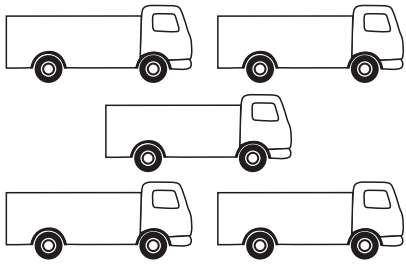
All welded parts are produced using precision jigs to ensure continuous quality and uniformity.

- Suppliers are carefully selected and linked to the internal quality assurance system
- A service and maintenance manual is provided for each unit
- Skilled workers, ISO certification and after-sales feedback analysis are all part of the PALFINGER standard
- The design process incorporates the experience of suppliers and users to extend the unit's lifetime
- Hydraulic pressure is as low as possible to increase the reliability of all the hydraulics parts
- A global service and after-sales network ensures that all customers' needs are covered (Worldwide spare parts service, repairs and maintenance, training, etc.) - important for resale

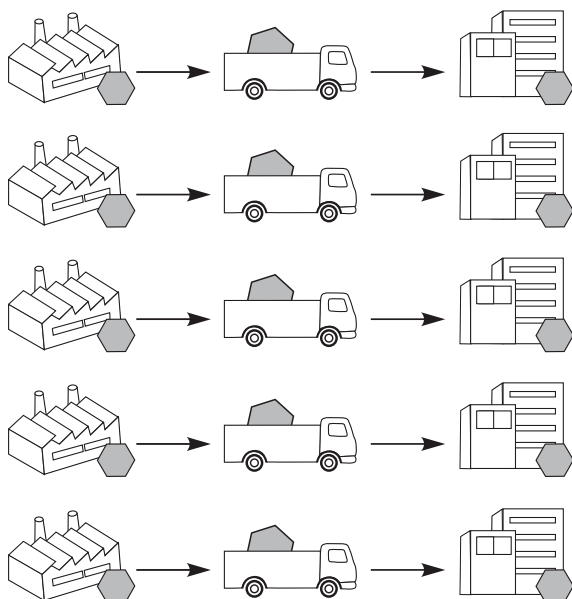
Substantially cutting your operation costs

Standard Practise: **Many trucks required**

Inefficient time and transport management



Standard Practise: **Many trucks required**



The PALIFT: **Reliable, innovative and cost effective**

PALIFT for greater efficiency

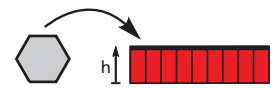
- Lower investment costs:
Only 1 truck required
- Lower operation costs:
Reduced maintenance
- Lower manpower costs:
Only 1 operator required



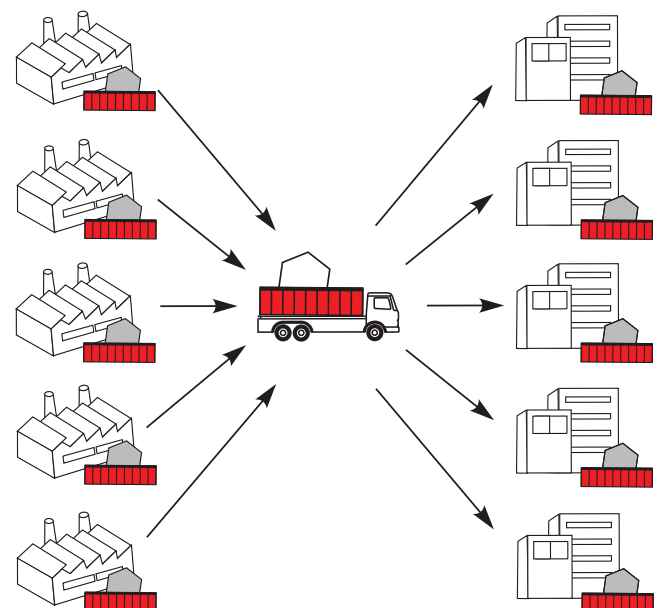
- Reduced loading times lead to improved asset utilisation



- Easier Loading



The PALIFT Solution: **Only 1 truck**



Skiploader

The Skiploader range offers a perfect weight to capacity ratio to optimize the efficiency of your truck. The telescopic Skiploader provides a wider range of skip sizes and positions. A simple and easy control system ensures safe operation. The PALIFT Skiploader is a member of the huge PALFINGER product family and is designed and produced according to the PALFINGER quality standards:

Low dead weight and maintenance-friendly

- Safety & longevity
- Efficient container handling

Available in 2 versions:

- Fixed arms
- Telescopic arms



Designed for your needs

Our wide range of options guarantees the best use of the vehicle for your application

The standard version includes single tipping hook, independent foot stabilizer, manual control on left side, adjustable container stops, protected piston rods, check valves on each hydraulic cylinder, etc.

Control system:

- Pioneer control - without any electrics and sensors for rough and harsh application guarantees 100% reliability
- Standard control – manual on the main-valve and with optional cab or radio remote control

Standard



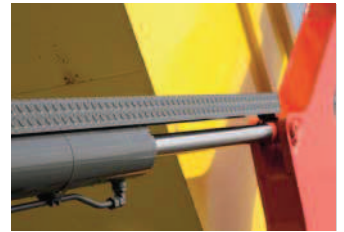
Single tipping hook



Foot plate stabilizer



Manual control directly on the main valve



Piston rod protection



Check valves on each hydraulic cylinder



Adjustable container stops – lengthwise / sidewise

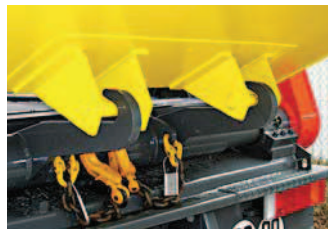


Steps for easy access

Options



Crossbeam



Double – Tipping hooks



Tipping chains



Roller stabilizer



Protective wall between cab and container



External seat bench



Telescopic arms

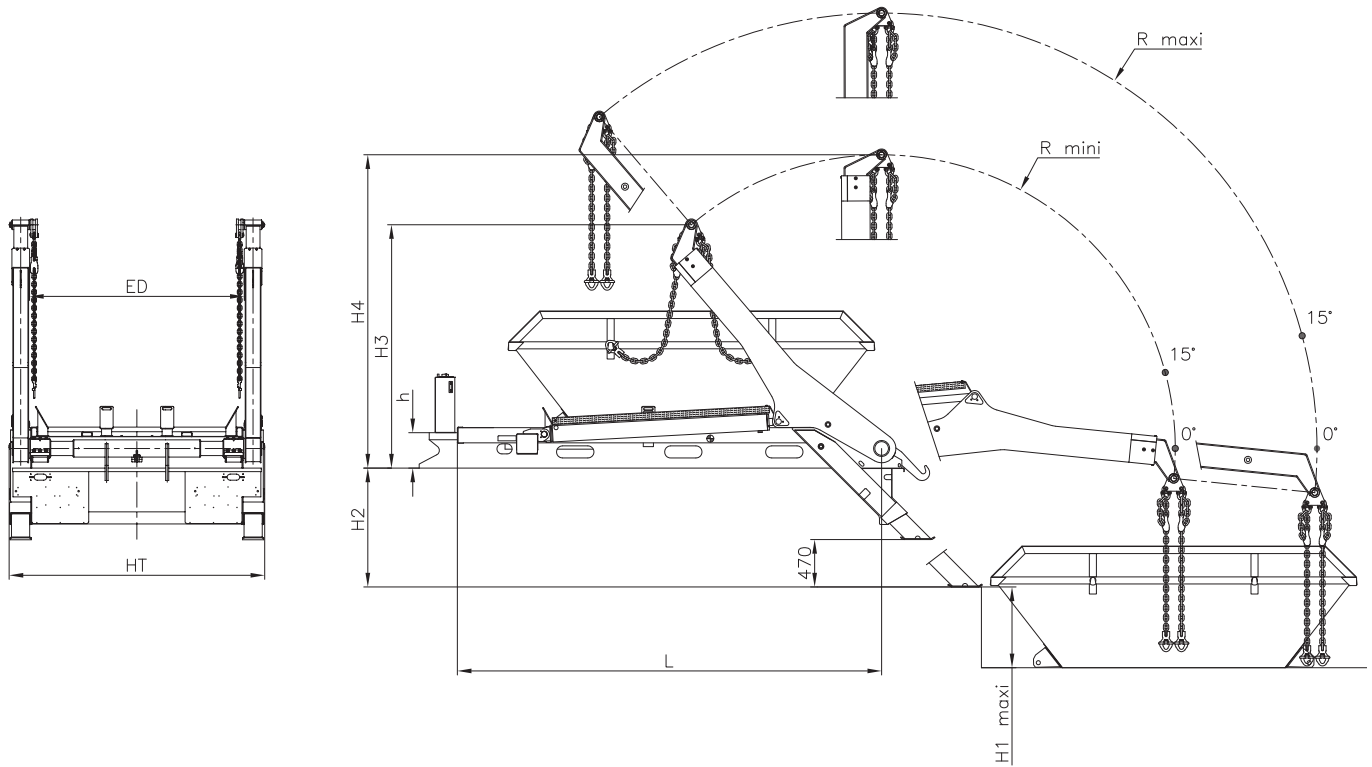


Ergonomic cab control

Skiploader 8 - 18 ton capacity

Basic data

Please see the technical data sheet for more detailed information*)



Type	Capacity 15° (ton)		Capacity 0° (ton)		L (mm)	h (mm)	R mini (mm)	R maxi (mm)	H1 maxi (mm)	H 2 (mm)	H 3 (mm)	H 4 (mm)	HT (mm)	ED (mm)	Weight (kg)
	arm in	arm out	arm in	arm out											
M 8	8	-	6	-	3600 - 4400	310	2600	2600	600	850 - 1050	2170	2780	2410	2096	1950
M 8 T	8	5	6	3	3600 - 4400	310	3500	3500	600	850 - 1050	2010	2330	2410	2080	2150
M 10	10	-	7	-	3600 - 4400	310	2600	2600	600	850 - 1050	2170	2780	2410	2096	2050
M 10 T	10	7	7	4	3600 - 4400	310	3500	3500	600	850 - 1050	2010	2330	2410	2080	2250
M 12	12	-	8	-	3800 - 4600	310	3000	3000	800	960 - 1200	2502	3211	2530	2145	2450
M 12 T	12	7	8	5	3800 - 4600	310	2907	4310	800	960 - 1200	2431	3119	2530	2125	2750
M 14	14	-	10	-	3800 - 4600	310	3000	3000	800	960 - 1200	2502	3211	2530	2145	2550
M 14 T	14	9	10	6	3800 - 4600	310	2907	4310	800	960 - 1200	2431	3119	2530	2125	2850
M 16 T	16	10	12	8	4800 - 5600	310	2907	4310	800	1000 - 1200	2436	3124	2530	2125	3050
M 18 T	18	11	14	9	4800 - 5600	310	2907	4310	800	1000 - 1200	2436	3124	2530	2125	3150

Comparison Skiploader / Hookloader

Main differences between Skiploader and Hookloader:

Container on the truck

When the loading process is complete, the containers are locked mechanically or hydraulically for safe transport



Loading / unloading mode

Skiploader

- Horizontal container loading

Hookloader

- Loading angle approx. 25°

Time for loading/unloading around 40 seconds



Tipping angle

Skiploader

- Tipping angle max. 120°

Hookloader

- Tipping angle max. 54°



Transport volume/size ratio

Skiploader

- Less space needed for loading/unloading operation
- Transport volume max. 14 m³

Hookloader – Universal loading device for

- High volume containers up to 45 m³
- Compactors
- Platforms for all different kinds of goods
- Etc...



Hookloader

Concept Advantages:

- Versatility
- Reliability
- High safety standard
- Ergonomic control systems
- Economy of time
- Productivity improvement

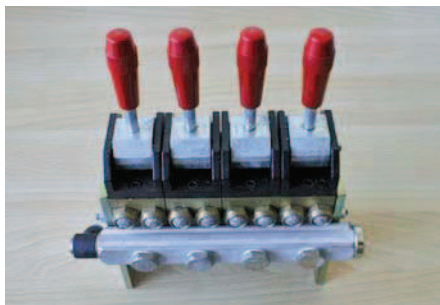


Market needs are our priority

Standard



Hydraulic container locking



Pneumatic control system without any electrics and sensors



Protected hydraulic main valve



Cast steel hook for long lifetime



Cast steel rear roller for long lifetime



Cast steel container support for long lifetime

Options



Boggy block cylinders



Mechanically adjustable hook height



Ergonomic cab control

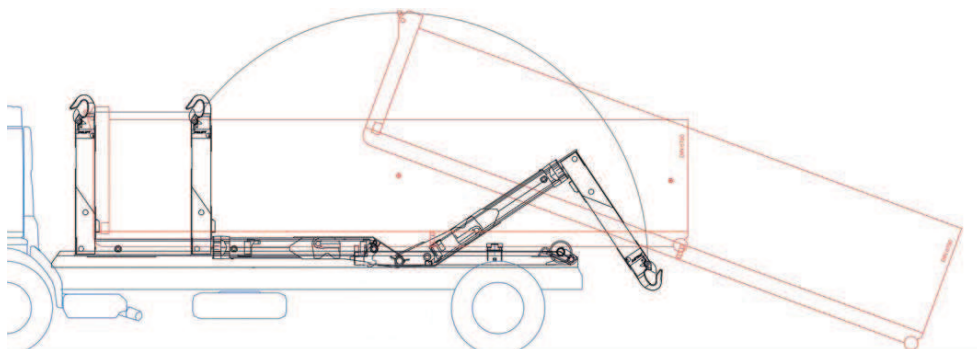


Roller stabilizer

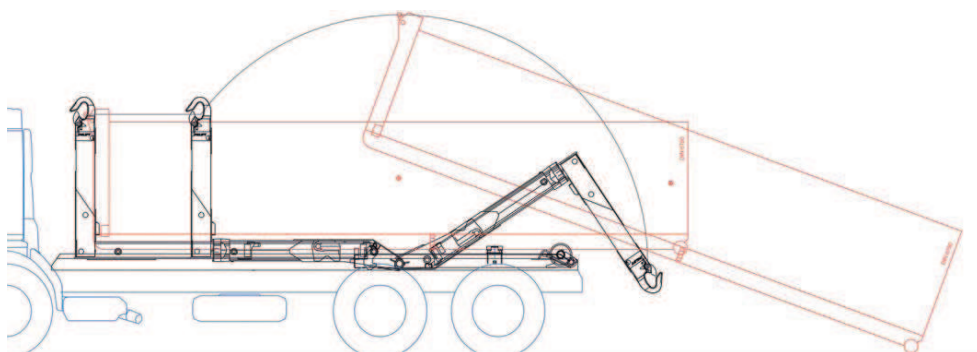
Hookloader 5 – 30 ton capacity

Basic data

Please see the technical data sheet for more detailed information *)



Type	Capacity (ton)	Container length (mm)	Hook height (mm)	Transport height (mm)	Deadweight (kg)	max. tipping angle (°)	recommended GVW (ton)
T 5	5	3000 - 5000	900	160	595	52	9
T 10	10	3000 - 5750	1570	200	1025	54	15
T 15	15	3000 - 3500	1570	220	1460	53	19



Type	Capacity (ton)	Container length (mm)	Hook height (mm)	Transport height (mm)	Weight (kg)	max. tipping angle (°)	recommended GVW (ton)
T 20	20	4000 - 7250	1570	240	2100	53°	26
T 22	22	4000 - 7250	1570	240	2300	53°	26
T 26	26	4000 - 7250	1570	280	2500	53°	26 / 32
T 30	30	4250 - 7750	1570	280	3200	54°	> 32

We hook in to customers' requirements

Our hookloaders are used all over the world in all sectors:

- Recycling
- Civil and structural engineering
- Local authorities
- Fire service
- Military
- Humanitarian organisations



Hookloader

The strong all rounder - available from 5 to 30 ton capacity

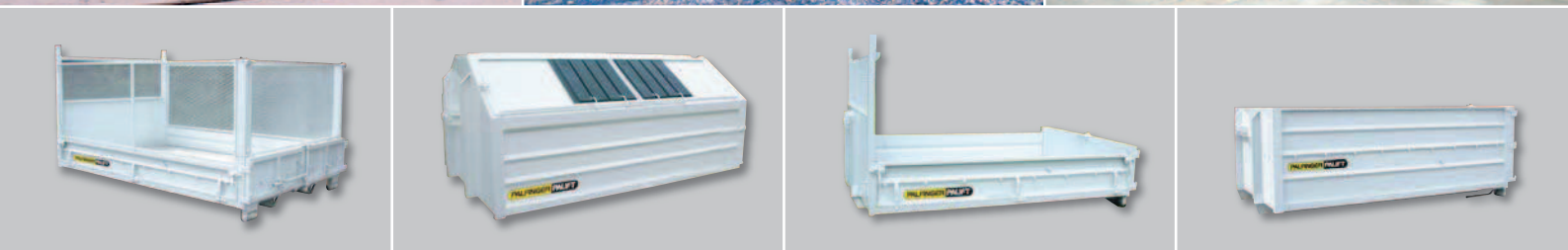
Our hookloaders are renowned for their perfect ratio of weight to lifting capacity in addition to their excellent kinematics. The telescopic arm facilitates the use of containers of different lengths. Ease of operation during "pick up" and "set down" coupled with the favourable working radius enables the Telescopic to be truly universal. In addition, the telescopic model also meets the requirements for loading and unloading trailers.



City – the small power pack for trucks up to 7.5 ton GVW

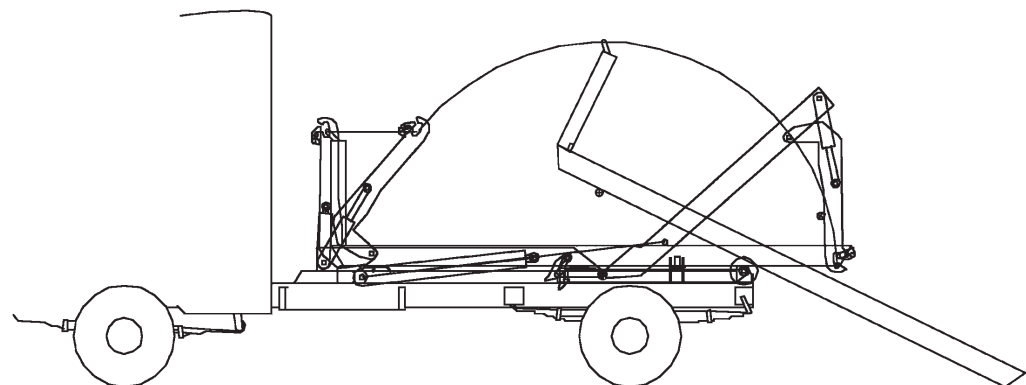
The City, with its unique hook boom arrangement, allows various container lengths to be handled. Very easy to operate, the design of the City means a low pick-up angle and an optimum ratio between lifting capacity and tare weight.

In addition to familiar applications such as recycling and handling municipal waste containers, it is the ideal transport solution for handling a wide range of equipment on the lower capacity vehicles.

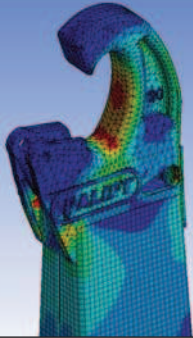


Basic data

Please see the technical data sheet for more detailed information*)



Type	Capacity [ton]	Container length [mm]	Hook height [mm]	Transport height [mm]	Deadweight [kg]	max. tipping angle [°]	recommended GVW [ton]
C 2	2	2400 - 3800	900	160	350	48	3,5
C 3	3	2200 - 3800	900	160	400	54	3,5 - 4,5
C 4	4	2600 - 4000	900	160	580	54	5 - 7,5

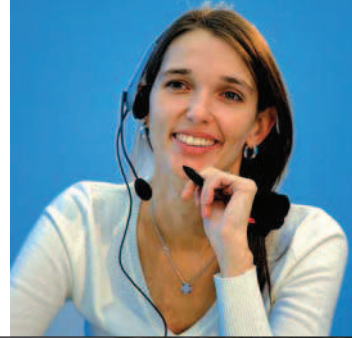


Research & Development

- 3-D drawings and stress calculations (FEM)
- 3 basic types of kinematics
- Stability and axle load calculations
- Well-prepared documentation for quick repairs and maintenance
- Designed in cooperation with truck manufacturer

Rapid assistance

- 24-hour service
- 1,500 PALFINGER service support points worldwide
- Qualified customer service employees



Assembly lines

- All functions are tested and adjusted before leaving the assembly i.e. loading, unloading, locking, etc...

Lifetime tests for reliability

- Lifetime tests simulate 10 years of use under maximum load
- Each new development is tested before it is launched to the market



Production

- All parts are manufactured using state-of-the-art machinery to achieve maximum product quality (plasma cutting, CNC machines)
- All welded parts are produced using jigs to guarantee constant quality and uniformity
- Expertise in the development and production of hydraulic cylinders. The PALFINGER Group produces approx. 150,000 cylinders a year
- Skilled workers and specialised machinery are employed in production



We solve your transport problem from 2 – 32 ton

- Widest product range
- Solutions for every conceivable type of job
- Extensive expertise, many years of experience and convincing performance features are what make our products special
- One supplier for each application



*) With the widest product range on the market, we can provide solutions for every conceivable type of job. Extensive expertise, many years of experience and convincing performance features are what make our hookloaders special.

- Weight depends on equipment and unit length
- Container length depends on locking system and unit length; the stated container lengths refer in each case to the shortest and longest unit length
- Maximum tipping angle depends on equipment and unit length
- Lifting capacity depends on container length, truck frame height and hook height