

LOADER CRANES

CRANE TOOLS

LIFETIME EXCELLENCE



OVERVIEW

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PALFINGER CRANE TOOLS

EQUIPMENT FOR PROFESSIONALS

We know — our customers are professionals, and professionals settle for nothing but the best tools.

Our mission is to provide you with equipment that makes your work faster, more efficient, and safer.

We want you to enjoy every moment operating your crane and tools — and to feel satisfied when the job is done.

This feeling can only be achieved with reliable equipment perfectly matched to your loader crane and application. A PALFINGER loader crane equipped with tools from this catalog — the perfect PALFINGER solution



VERSATILE APPLICATIONS

Equipped with the right tools, the crane becomes a multifunctional and economical solution. Whether hydraulic or mechanical — PALFINGER offers a comprehensive range of attachments to make your loader crane flexible, versatile, and ready for any task.



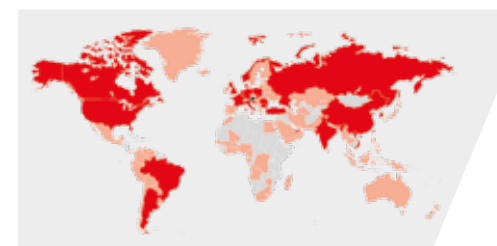
INDIVIDUAL SOLUTIONS

Special jobs require special tools. To ensure your success — no matter how complex the task — we offer not only a wide range of proven special equipment, but also the possibility of custom-made solutions. Get in touch with us — together, we'll find the perfect solution for your needs.



MAXIMUM SAFETY

For many years, we have been the leading supplier on the market, offering a complete package of crane and workman basket that fully meets the high safety requirements of the EN 280 standard. This saves you both time and costs when registering a new crane vehicle for the first time.



SERVICE AND TECHNICAL SUPPORT

Qualified service partners with fully equipped workshops are at your side with expertise and competence. Both scheduled and unscheduled maintenance can be carried out quickly, reliably, and with full cost transparency.



SPARE PARTS SUPPLY

Several spare parts centers worldwide ensure a complete and reliable supply of spare parts. All original spare parts are tested and meet the high PALFINGER quality standards.


















SERVICE CONTRACTS

To optimize your business performance by reducing machine downtime and repair costs, we offer PALFINGER service contracts in four different packages, ranging from one to six years.



REQUIREMENTS FOR THE CRANE



	WORKMAN BASKET (EN280)	MFA-JIB	GRAPPLE	BRICK STACK GRAPPLE	FORK (HYDRAULIC)	DISCHARGE UNIT	EARTH AUGER	BARRIER LIFTER	HYDRAULIC HOOK	CAR LIFTING DEVICE	MANIPULATOR
Mechanic crane connection	MFA	JMFA-L	Suspension (universal joint)	Suspension (universal joint)	Suspension (universal joint)	Suspension (Kreuzgelenk)	MFA Adapter	Crane Hook	Shaft Rotator Suspension (universal joint)	Suspension (universal joint)	MFA / pull in part
Hydraulic supply	--	--	SL4 / T4 / T4I / J04	SL4 / T4 / T4I	SL4 / T4 / T4I / J04	SL4 / T4 / T4I	SL2 / T2	--	SL4 / T4 / T4I / J04	SL4 T4 T4I	SL4 / T4 / J04 Changeover valve for 3rd hydraulic function
Pressure limit on control valve	--	--	 --  GRDRU	 --  GRDRU	 --  GRDRU	 --  GRDRU	 RODRU 260	--	 --  GRDRU	 --  GRDRU	 RODRU  GRDRU
Electric supply	AK VAK	--	--	--	--	--	--	--	--	--	3x1.5 mm ² (for changeover valve) Free function for tilt function
Miscellaneous	SH / TEC Emergency lowering unit required	TEC PJMFA MFAJ	--	--	--	--	--	--	--	--	RRC PAL50/150/180 Tuning Center recommended

TO BE OBSERVED

Many of the crane tools are equipped with an overpressure protection device, which safeguards both the tool and the rotator from overpressure and potential damage.

For each individual tool, it is always indicated whether the device comes with overpressure protection.
The following guidelines must be observed for tools without overpressure protection:

Operating pressure crane > maximum pressure rotator / crane tool

- GRDRU => Maximum pressure of crane tool
- RODRU => Maximum pressure of rotator

Operating pressure crane < maximum pressure rotator / crane tool

- GRDRU => no limit necessary
- RODRU => no limit necessary

Information on the pressures can be found in the technical data on Paldesk or in the Crane Tools catalog.

MULTIFUNCTIONAL ADAPTER

The PALFINGER loader crane has always been a multifunctional working tool and is successfully used by our customers for a wide range of tasks. A variety of available attachments enhance this versatility, allowing the crane to be perfectly equipped for any job.

To make switching between different applications easier and more ergonomic, PALFINGER has developed MFA – the multifunctional adapter.

The main benefit for the user is the standardized interface at the crane tip. This reduces the manual effort required to change attachments and significantly improves safety, efficiency, and comfort.

Advantages

- Efficient switching between different tools
- Minimal effort required when changing attachments
- Expanded application possibilities for the crane
- Standardized mechanical interface



MFA - LOGIC

Depending on the expected load on the MFA, two independent MFA series have been developed, each optimized for its specific application. The two series – MFA-L (light) and MFA-H (heavy) – differ fundamentally in design and are not compatible with each other. To enhance user-friendliness, the correct tool or setup is easily identified through visual coding.



MFA - LOAD ATTACHMENT

The MFA load attachment provides a simple and secure connection for hooks, rotators, and other crane tools. The increased distance to the extension boom ensures smooth operation in all arm positions.



MFA - WORKMAN BASKET

To ensure quick and easy coupling with PALFINGER workman baskets, all workman baskets are also available with the MFA interface.



MFA - PULLEY HEAD

Ideally, the appropriate pulley heads are ordered together with the crane and the MFA. The individual components can also be ordered later. A variety of matching pulley heads is available for the MFA, enabling easy and time-saving connection. MFA pulley heads are exclusively available for TEC range cranes.



MFA - INSTALLATION TIP

The perfect tool for crane operations in confined spaces. Whether handling machinery or loading goods through windows or doors, the PALFINGER MFA installation tip allows you to expand the range of applications for your crane. As with any MFA attachment, docking is simple and time-saving.



MFA - JIB

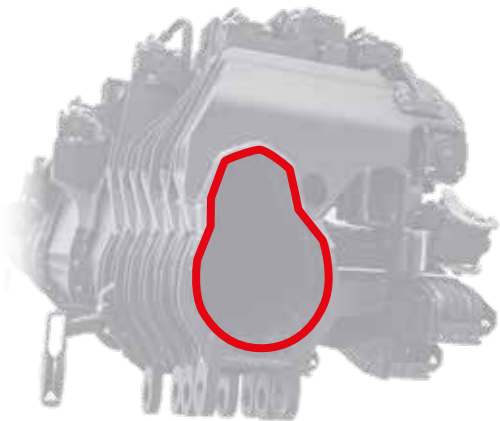
Using MFA jibs increases the reach of your crane by up to 5.3 m, allows you to work over obstructing edges, and enables a wide range of specialized applications. The new "MFAJ" software function ensures that the MFA-JIB is fully integrated into the crane's overload protection system, making it fully compliant with EN12999.

MFA-L-RETROFIT

P-PROFILE

Looking to retrofit your existing TEC crane with an MFA?

Here, you can select the MFA suited to your crane version, based on the extensions or fly jib. Visual coding on the MFA and its tools helps you easily identify the compatible combinations.



CRANE TYPES	Hydraulic extension on the crane							
	A	B	C	D	E	F	G	H
PK 245 TEC	KMF008-BA	KMF007-BA	KMF006-BA	KMF005-BA	KMF004-BA	KMF003-BA	--	--
PK 250 TEC								
PK 295 TEC								
PK 300 TEC	KMF009-BA	KMF008-BA	KMF007-BA	KMF006-BA	KMF005-BA	KMF004-BA	KMF003-BA	--
PK 365 TEC								
PK 370 TEC								
PK 480 TEC	KMF010-BA	KMF009-BA	KMF008-BA	KMF007-BA	KMF006-BA	KMF005-BA	KMF004-BA	--
PK 580 TEC								
PK 720 TEC	--	--	KMF010-BA	KMF009-BA	KMF008-BA	KMF007-BA	KMF006-BA	KMF005-BA
PK 880 TEC	--	--						
PK 1050 TEC	--	KMF012-BA	KMF011-BA	--	KMF009-BA	KMF008-BA	KMF007-BA	KMF006-BA
PK 1350 TEC	--	--	KMF012-BA	--	KMF010-BA	KMF009-BA	KMF008-BA	KMF007-BA
PK 1650 TEC	--	--	KMF013-BA	--	KMF011-BA	KMF010-BA	KMF009-BA	KMF008-BA

FLYJIB TYPES	Hydraulic extension on the fly-jib					
	A	B	C	D	E	F
PJ 075	KMF003-BA	KMF002-BA	--	--	--	--
PJ 090	KMF003-BA	KMF002-BA	KMF001-BA	--	--	--
PJ 150	--	--	KMF003-BA	--	KMF001-BA	--
PJ 190	--	--	--	--	KMF002-BA	--
PJ 240	--	--	--	--	KMF003-BA	--
PJ 300L	--	--	--	--	--	KMF003-BA

OPTIONS

Load attachment

11.5 t

18 t

25 t

L1

KLG051-BA

L3

KLG052-BA

--

Smooth operation in all arm positions.
For connecting hooks, rotators and other crane tools.

Workman basket connection

BB040/BB041

BB042

BB004/BB052/BB056

L1

BB040K01-BA

L1

BB042K01-BA

L1

BB004K01-BA

You can order your PALFINGER EN 280 workman basket with the appropriate MFA connection directly from the factory under **option –P**. For retrofits, the connection console is also available as a standalone component.

Pulley heads

1.5 t

2.5 t

3.5 t

4.5 t

STRAN 1

--

L1

KUR279-BA*

L1

KUR232-BA*

--

STRAN 2

--

L1

KUR296-BA

L2

KUR233-BA

L3

KUR224-BA

STRAN 4

--

--

--

--

Ideally, the winch application is configured together with the crane. Alternatively, the MFA pulley heads can also be ordered separately.

* Tiltable pulley head for use up to KMF003-BA.

In addition to the visual coding, the technical data must always be followed when installing the cable winch components.

Installation tip

2 t

3 t

L1

KLG108-BA

L2

KLG075-BB

On request, we can provide other models customized to your application.

Ideal for working through window or door openings due to the offset load-bearing point. The MFA installation tip is an interchangeable load-handling attachment in accordance with EN 13155 and is not integrated into the crane's overload system. The maximum permissible load indicated on the installation tip must not be exceeded.

Adapter

Earth auger

Manipulator

L1

KLG069-BA

L1

HXE10671

--

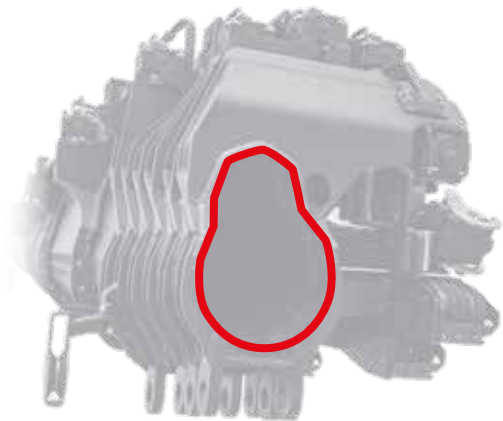
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On request, we can provide special adapters for other applications and tools.

MFA-H-RETROFIT

P-PROFILE

The MFA-H series is designed for higher load applications, such as four-line winch operation. As with the MFA-L, select the MFA suited to your crane version, based on the extension on the crane or jib. Visual coding on the MFA and its tools helps you identify the compatible combinations.



CRANE TYPES	Hydraulic extension on the crane							
	A	B	C	D	E	F	G	H
PK 245 TEC	--	--	--	--	--	--	--	--
PK 250 TEC								
PK 295 TEC								
PK 300 TEC	KMF019-BA	KMF018-BA	KMF017-BA	KMF016-BA	KMF015-BA	KMF014-BA	--	--
PK 365 TEC								
PK 370 TEC								
PK 480 TEC	KMF020-BA	KMF019-BA	KMF018-BA	KMF017-BA	KMF016-BA	KMF015-BA	KMF014-BA	--
PK 580 TEC								
PK 720 TEC	--	--	KMF020-BA	KMF019-BA	KMF018-BA	KMF017-BA	KMF016-BA	KMF015-BA
PK 880 TEC								
PK 1050 TEC	--	KMF022-BA	KMF021-BA	--	KMF019-BA	KMF018-BA	KMF017-BA	KMF016-BA
PK 1350 TEC	--	--	KMF022-BA	--	KMF020-BA	KMF019-BA	KMF018-BA	KMF017-BA
PK 1650 TEC	--	--	KMF023-BA	--	KMF021-BA	KMF020-BA	KMF019-BA	KMF018-BA

OPTIONS

Load attachment



11.5 t

18 t

25 t

--

H1

KLG053-CA

H2

KLG053-BA

Smooth working in all arm positions.
For connecting hooks, rotators and other crane tools.

Workman basket connection



BB040/BB041

BB042

BB004/BB052/BB056

H1

BB040K02-BA

H1

BB042K02-BA

H1

BB004K02-BA

You can order your PALFINGER EN 280 workman basket with the appropriate MFA connection directly from the factory under **option –P**. For retrofits, the connection console is also available as a standalone component.

Pulley heads



STRAN 1

1.5 t

2.5 t

3.5 t

4.5 t

--

--

--

--

STRAN 2

--

H1

KUR384-BA

H1

KUR245-BA

H1

KUR246-BA

STRAN 4

--

H1

KUR234-BA


H1

KUR225-BA

H2

KUR226-BA

Ideally, the winch application is configured together with the crane. Alternatively, the MFA pulley heads can also be ordered separately.

 In addition to the visual coding, the technical data must always be followed when installing the cable winch components.

Installation tip



6 t

H1

KLG077-BA

On request, we can provide other models customized to your application.

Ideal for working through window or door openings due to the offset load-bearing point.
The MFA installation tip is an interchangeable load-handling attachment in accordance with EN 13155 and is not integrated into the crane's overload system. The maximum permissible load indicated on the installation tip must not be exceeded.

Adapter

On request, we can provide special adapters for other applications and tools.

MFA-JIB

"More reach" is probably the most common customer request we receive. With the new MFA-JIB, we are doing our best to expand your crane's range of applications.

To allow maximum flexibility when working over obstructing edges, the MFA-JIB comes standard with manual angle adjustment.

Additionally, the MFA-JIB can be optimally adapted to the crane using the optional rope winch and storage solutions.

By integrating the MFA-JIB into the crane's overload protection system, it fully complies with the latest EN 12999 standard.

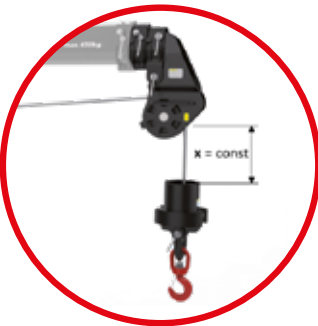
ATTENTION: The use of the MFA-JIB PJM020 is only permitted on P-Profile fly jibs in combination with TEC series cranes.

PJM020

TECHNICAL DATA

PJM020

Lifting moment	[mt]	1.84
Max. reach	[m]	5.25
Max. load	[kg]	650
Weight	[kg]	115
Angle adjustment unit ADJ	[°]	+20/0/-20/-40/-60

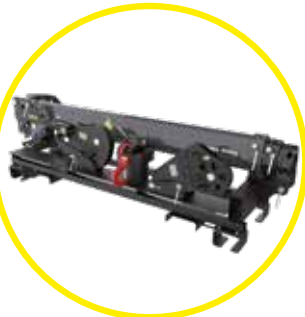


OPTIONS



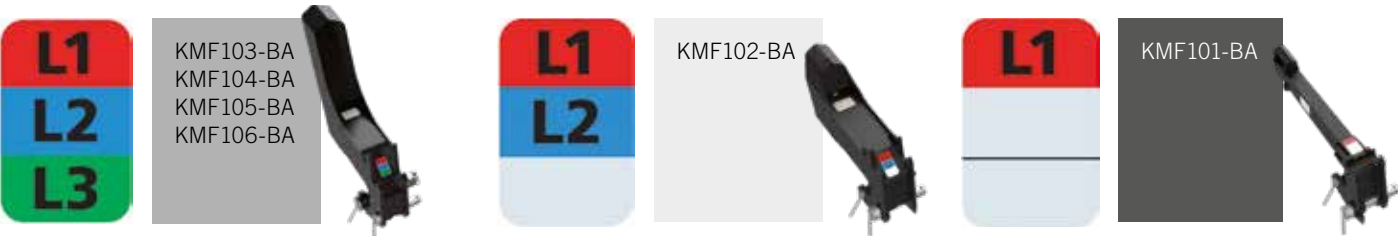
CODE	DESCRIPTION
S2.5	prepared for winch operation 2.5t
S3.5	prepared for winch operation 3.5t
S4.5	prepared for winch operation 4.5t
SRC	prepared for synchronised rope control

KMG07490A	for PK 1350 TEC / PK 1650 TEC
KMG13230A	for PK 880 TEC / PK 1050 TEC
TOOL-RACK	Transport rack for safe storage including all winch parts



MFA-L-RETROFIT HEXAGONAL PROFILE

Planning to retrofit your existing EH, SH, or SLD with an MFA?
Select the suitable MFA based on the boom extensions on your crane or fly jib.
Visual coding on the MFA and its tools helps identify the compatible combinations.



CRANE TYPES	Hydraulic extensions on the crane							
	()	A	B	C	D	E	F	G
PK 5.001 SLD / PK 5.501 SLD	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--	--	--
PK 7.001 SLD / PK 7.501 SLD			--	--	--	--	--	--
PK 7.001K SLD / PK 7.501K SLD	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--
PK 8.501 SLD / PK 9.501 SLD			--	--	--	--	--	--
PK 11.001 SLD / PK 12.501 SLD	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--
PK 13.501 SLD / PK 14.501 SLD					--	--	--	--
PK 13.501K SLD / PK 14.501K SLD	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--
PK 17.001 SLD / PK 19.001 SLD	--				--	--	--	--
PK 21.501 SLD / PK 24.001 SLD	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--

CRANE TYPES	Hydraulic extensions on the crane							
	()	A	B	C	D	E	F	G
PK 8502 / PK 9002 EH 10002 SH	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--
PK 11002 / PK 12002 EH / PK 12502 SH						--	--	--
PK 13002 / PK 14002 EH / PK 14502 SH	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--
PK 16002 / PK 18002 EH / PK 18502 SH	--						--	--
PK 19502 / PK 22002-EH	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--
PK 23002 SH	--						--	--
PK 23502 / PK 26002 EH	--	--	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA
PK 24001 / PK 27001 EH	--	--	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA
PK 24001K	--	KMF106-BA	KMF105-BA	KMF104-BA	--	--	--	--
PK 27002 SH	--	--	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA
PK 30002 / PK 33002 EH	--	--	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA
PK 30002K	--	KMF106-BA	KMF105-BA	KMF104-BA	--	--	--	--
PK 34002 SH	--	--	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA
PK 36502 / PK 41002 EH	--	--	--	--	KMF106-BA	KMF105-BA	--	--
PK 37002 / PK 42002 SH	--	--	--	--			KMF104-BA	KMF103-BA
PK 44502 / PK 48002 EH	--	--	--	--	KMF106-BA	KMF105-BA	--	--
PK 46002 / PK 53002 SH	--	--	--	--			KMF104-BA	KMF103-BA
PK 56502 / PK 62002 EH	--	--	--	--	--	--	--	--

CRANE TYPES

	Hydraulic extensions on the crane							
	()	A	B	C	D	E	F	G
PK 6500 / PK 8500	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--	--	--
PK 10000 / PK 12000	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--
PK 15500 / PK 18500 / PK 23500	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--

FLYJIB TYPES

	Hydraulic extensions on the Fly Jib						
	()	A	B	C	D	E	F
PJ 040	--	KMF101-BA	--	--	--	--	--
PJ 045	--	KMF101-BA	--	--	--	--	--
PJ 060	--	KMF103-BA	KMF102-BA	--	--	--	--
PJ 080	--	--	KMF103-BA	KMF102-BA	--	--	--
PJ 125	--	--	--	KMF104-BA	--	KMF102-BA	--
PJ 170	--	--	--	KMF105-BA	--	KMF103-BA	--

As certain MFA adapters can be used on multiple crane configurations and due to manufacturing tolerances, different distance plates are required to ensure the MFA fits perfectly on the crane or fly jib.

Please note that when the MFA is ordered as standard equipment, spacers are not included and must be ordered separately as spare parts.

OPTIONS

Load attachment

11.5 t

18 t

25 t

L1

KLK119-B A

--

Workman basket connection

BB040/BB041

BB042

BB004/BB052/BB056

L1

BB040K01-BA

L1

BB042K01-BA

L1

BB004K01-BA

Installation tip

2 t

3 t

L1

KLK108-BA

L2

KLK075-BB

Adapter

Earth auger

Manipulator

L1

KLK069-BA

L1

HXE10671

--

--

On request, we can provide special adapters for additional applications and tools.

WORKMAN BASKET

CE-EN 280

The PALFINGER EN 280 workman basket was specially developed for use on SH and TEC loader cranes. By incorporating innovative technology, your PALFINGER crane is transformed into an aerial work platform, significantly expanding the range of applications for your crane vehicle. For years, we have been the only supplier on the market to offer the crane and workman basket as a complete system fully compliant with the EN 280 standard. This greatly simplifies the vehicle approval process and saves you time and money. Not sure yet whether you will use a workman basket in the future? You can order your crane with a workman basket preparation and retrofit the basket later – easily and without costly modifications.

Advantages

- PALFINGER- and TÜV-approved crane and workman basket system according to EN 280
- Low dead weight for maximum reach
- Quick and ergonomic installation thanks to the multifunctional adapter (MFA)
- Fully protected handrail on all sides
- Safe working with the optionally available personal safety device
- Emergency lowering using the available emergency drive



BB040

Comfortable

- Comfort and safety at the highest level for **two people**
- Fine-controlling automatic leveling for the perfect balance
- Integrated toolbox for safe storage
- Largest possible workspace



BB041

Compact

- Comfort and safety at the highest level for **one person**
- Slim design
- Fine-control automatic leveling for the perfect balance
- Integrated toolbox for safe storage
- Largest possible workspace



BB042

Economical

- Easy working for **two people**
- Innovative and patented valve control for damped pendulum motion
- Optional

WARNING! The tested overall system applies only to components supplied by PALFINGER. Successful certification in accordance with EN 280 cannot be guaranteed if third-party components are used.

TECHNICAL DATA	BB040	BB041	BB042
Load capacity [kg]	200	120	200
Permitted persons	2	1	2
Leveling	electro-hydraulic	electro-hydraulic	gravitation
Working angle [°]	360	360	135
Dimensions WxDxH [mm]	1400x700x1160	850x700x1160	1400x700x1160
Floor space [m²]	0.98	0.6	0.98
Electrical system [V]	24	24	24
Emergency stop	●	●	●
Quick change system	●	●	●
Toolbox	●	●	○ HX6959
Dead weight [kg]	200	160	166

● Standard ○ Optional -- Not available

MATRIX
FOR WORKMAN BASKETS

* only BB041 possible
** only BB041 and BB042 possible

CRANE TYPES	Hydraulic extension on the crane								Hydraulic extension on the fly-jib					
	A	B	C	D	E	F	G	H	A	B	C	D	E	F
PK 10002 SH		•	•	•*										
PK 12502 SH		•	•	•**										
PK 14502 SH			•	•	•*									
PK 14502 SH B PJ 060									•**	•*				
PK 18502 SH			•	•	•									
PK 18502 SH B PJ 060									•	•				
PK 18502 SH C PJ 060									•	•*				
PK 23002 SH			•	•	•									
PK 23002 SH B PJ 060									•	•				
PK 23002 SH C PJ 060									•	•				
PK 245 TEC			•	•	•	•								
PK 245 TEC D PJ075										•**				
PK 250 TEC			•	•	•	•								
PK 250 TEC D PJ075										•**				
PK 27002 SH				•	•	•	•							
PK 27002 SH C PJ 060									•	•				
PK 27002 SH C PJ 080										•	•			
PK 27002 SH D PJ 060									•	•				
PK 27002 SH E PJ 060									•	•*				
PK 295 TEC				•	•	•	•							
PK 295 TEC C PJ090										•	•			
PK 295 TEC D PJ090										•	•**			
PK 295 TEC D PJ075									•	•				
PK 295 TEC E PJ075									•	•*				
PK 300 TEC				•	•	•	•							
PK 300 TEC C PJ090										•	•			
PK 300 TEC D PJ090										•	•**			
PK 300 TEC D PJ075									•	•				
PK 300 TEC E PJ075									•	•*				
PK 34002 SH				•	•	•	•							
PK 34002 SH C PJ 080										•	•			
PK 34002 SH D PJ 060									•	•				
PK 34002 SH D PJ 080										•	•			
PK 34002 SH E PJ 060									•	•				
PK 365 TEC				•	•	•	•							
PK 365 TEC D PJ090										•	•			
PK 365 TEC E PJ090										•	•			
PK 365 TEC F PJ075									•	•**				
PK 370 TEC				•	•	•	•							
PK 370 TEC D PJ090										•	•			
PK 370 TEC E PJ090										•	•			
PK 370 TEC F PJ075									•	•**				
PK 42002 SH				•	•	•	•							
PK 42002 SH C PJ 100											•	•		
PK 42002 SH D PJ 125											•		•	
PK 42002 SH D PJ 100											•	•		
PK 42002 SH E PJ 080										•	•			
PK 42002 SH F PJ 060									•	•				
PK 45.002 TEC 5				•	•	•	•							
PK 480 TEC				•	•	•	•							
PK 480 TEC D PJ150											•		•	
PK 480 TEC E PJ150											•		•	
PK 480 TEC E PJ090										•	•			
PK 480 TEC F PJ090										•	•			
PK 480 TEC G PJ075									•	•				

CRANE TYPES	Hydraulic extension on the crane								Hydraulic extension on the fly-jib					
	A	B	C	D	E	F	G	H	A	B	C	D	E	F
PK 53002 SH				•	•	•	•							
PK 53002 SH D PJ 125											•		•	
PK 53002 SH D PJ 100											•	•		
PK 53002 SH E PJ 125											•		•	
PK 53002 SH E PJ 080										•	•			
PK 53002 SH F PJ 080										•	•			
PK 580 TEC				•	•	•	•							
PK 580 TEC E PJ150											•		•	
PK 580 TEC F PJ090										•	•			
PK 580 TEC F PJ150											•		•	
PK 58002 TEC C PJ090										•	•			
PK 65002 SH D PJ 170											•		•	
PK 65002 SH E PJ 125											•		•	
PK 65002 SH F PJ 125											•		•*	
PK 65002 SH F PJ 100											•	•		
PK 720 TEC					•	•	•	•						
PK 720 TEC F PJ190													•	
PK 720 TEC G PJ150											•		•	
PK 78002 SH D PJ 170											•		•	
PK 78002 SH E PJ 170											•		•	
PK 78002 SH E PJ 125											•		•	
PK 78002 SH F PJ 125											•		•	
PK 880 TEC					•	•	•	•						
PK 880 TEC F PJ240													•	
PK 880 TEC F PJ190													•	
PK 880 TEC G PJ190													•	
PK 880 TEC G PJ150													•	
PK 880 TEC H PJ150													•	
PK 92002 SH E PJ 170											•		•	
PK 92002 SH F PJ 170											•		•	
PK 92002 SH F PJ 125											•		•	
PK 92002 SH G PJ 125											•		•	
PK 92002 SH G PJ 100											•	•		
PK 110002 SH F PJ 170											•		•	
PK 110002 SH G PJ 170											•		•	
PK 110002 SH G PJ 125											•		•	
PK 1050 TEC					•	•	•	•						
PK 1050 TEC F PJ240													•	
PK 1050 TEC G PJ190													•	
PK 1050 TEC H PJ150													•	
PK 1350 TEC						•	•	•						
PK 1350 TEC F PJ240													•	
PK 1350 TEC G PJ190													•	
PK 1350 TEC H PJ150													•	
PK 1350 TEC H PJ190													•	
PK 1650 TEC						•	•	•						
PK 1650 TEC F PJ 300L														•
PK 1650 TEC G PJ 240													•	
PK 1650 TEC H PJ 240													•	
PK 200002L SH					•		•							
PK 200002L SH G PJ 300L											•			•

WORKMAN BASKET NON-CE

The NON-CE version of the simple and robust PALFINGER workman baskets has been specially developed for use on hydraulic loader cranes and is intended exclusively for countries where the EN 280 standard is not required.

Advantages

- Expands the range of operation of loader cranes
- The optional quick-change system allows rapid installation of the workman basket



BB004

- Robust construction for **two people**
- Reduced to the essential
- Integrated toolbox for safe storage



BB004B

- Robust construction for **two people**
- Built-in emergency stop button (power supply necessary)
- Integrated toolbox for safe storage



BB052

- Weight-optimized aluminum basket for **two people**
- Reduced to the essential



BB056

- Weight-optimized fiberglass basket for **two people**
- Reduced to the essential
- Integrated toolbox for safe storage

TECHNICAL DATA

		BB004	BB004B	BB052	BB056
Load capacity	[kg]	280	280	200	200
Permitted persons		2	2	2	2
Material		steel	steel	steel / Aluminum	steel / fiberglass
Leveling		gravitation	gravitation	gravitation	gravitation
Working angle	[°]	360	360	120	120
Dimensions BxTxH	[mm]	1000x694x1192	1000x694x1192	1400x710x1150	1450x900x1150
Floor space	[m²]	0.6	0.6	0.8	0.8
Electrical system	[V]	--	--	--	--
Emergency stop		--	●	--	--
Quick change system		○	○	○	○
Toolbox		●	●	--	●
Dead weight	[kg]	190	190	101	105
Radio remote bracket		HXE3003 (SCANRECO S), KSS001B03 (SCRANRECO L), HXE9216 (PALCOM)		--	--

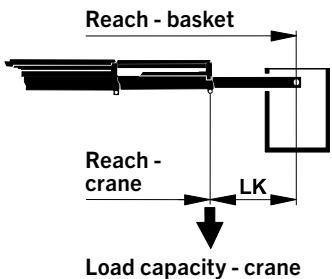
● Standard ○ Optional -- Not available

GENERAL DIMENSIONING

PALFINGER recommends using the following calculation to determine the required minimum load capacity of the NON-CE crane.



$$\frac{\text{reach - basket}}{\text{reach - crane}} \times \left(\frac{\text{weight pull in part}}{\text{weight workman basket}} + \frac{\text{Load capacity workman basket}}{\text{Load capacity crane}} \times 1.5 \right) = \text{Required minimum load capacity of the crane during workman basket operation}$$

Total weight - basket [kg]	Weight basket + load capacity basket + weight pull in part
Reach - basket [m]	Reach of the crane with workman basket
Reach - crane [m]	Maximum reach of the crane without workman basket
Load capacity - crane [kg]	Load capacity of crane acc. Load capacity label
LK [m]	Distance from the load hanger of the last extension boom to the center of gravity of the workman basket. This distance depends on the workman basket + pull in part.



To ensure safety during workman basket operation, it is also recommended to fully support the crane and maintain stability throughout the working area.

The maximum crane speed specified for work basket operation in EN 280 must not be exceeded.

Speed	Movement
max. 0.4 m/s	 Vertical- and horizontal movements
max. 0.7 m/s	 Slewing movements (measured in the working basket at maximum reach)

PREPARATION AND RETROFITTING

If you wish to retrofit your SH or TEC crane with a workman basket in accordance with EN 280, this is only possible with the workman basket preparation kit offered by PALFINGER. In addition to the pull-in part and the electrical pre-installation on the crane, the kit also includes the required mounting components for the installation of an emergency drive. For retrofitting, only the emergency drive, a cable drum kit (depending on the crane configuration), and the workman basket itself are additionally required.



EP1982

Emergency drive (3 kW, max. 270 bar)

To ensure safe lowering of the workman basket in the event of a failure of the conventional hydraulic system, an emergency operation of the workman basket in accordance with EN 280 is required. Components such as the pressure compensator, check valve, and battery switch are already included in the scope of delivery of the crane's workman basket preparation. However, a **complete kit including these parts** is also available (see page 25).

ATTENTION: The drive is designed exclusively for emergency use and not for standard operation. Please ensure that the specifications of the carrier vehicle are observed. When making electrical connections, always use cables with the appropriate cross-sections.



KMG14065A

Connection kit workman basket and emergency unit

The EN 280 connection kit standardizes the interface between the crane, the workman basket, and the emergency units. It is designed for both single-circuit and dual-circuit systems, providing two 150 A supply outputs. In addition, two potential-free outputs (each fused at 10 A) are available for individual use.



KKF00028A

Cable drum-Kit

If no hose trays are mounted on the crane, the electrical supply to the workman basket must be additionally ensured by means of a cable drum. All necessary components for the installation, including the cable drum itself, are included in this kit.

PERSONAL SAFETY EQUIPMENT

Complete your workman basket with our personal safety system, which is mandatory in many countries. The fall arrest device and the safety harness recommended by PALFINGER provide optimum protection and maximum wearing comfort.



PZBB03

Fall arrest device (length 1.8 m) according to EN 360

- Revision-free throughout the EU
- With fall indicator
- Especially designed for workman basket operation in accordance with EN 280



PZBB04

Comfort safety harness in H-design in accordance with EN 361

- 2-point system (front and rear connections possible)
- Elastic DuraFlex belt
- Quick-release buckles on leg loops and chest strap

EMERGENCY DRIVE

To ensure safe lowering of the workman basket in the event of a failure of the conventional hydraulic system, an emergency operation of the workman basket is also recommended for non-CE cranes.



The emergency drive is available as a hydraulic kit for a constant or variable pump at 24 V. The hydraulic kit contains all necessary hydraulic components, such as a check valve, pressure compensator, and others.

Code	Description
KMG00210A	Workman basket emergency drive kit for constant-pump cranes, 24 V – 3 kW – max. 270 bar
KMG00211A	Workman basket emergency drive kit for variable-pump cranes, 24 V – 3 kW – max. 270 bar

The emergency unit is also available as a standalone component.

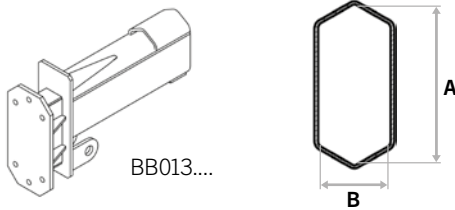
Code	Description
EP1982	Emergency drive 24 V – 3 kW – max. 270 bar
EP2022	Emergency drive 12 V – 3 kW – max. 270 bar

ATTENTION: The drive is designed exclusively for emergency use and not for standard operation. The hydraulic and electrical connections must be made in accordance with the installation guidelines of PALFINGER. Please ensure that the specifications of the carrier vehicle are strictly observed. When making electrical connections, use cables with the appropriate cross-sections.

PULL IN PARTS

For the mechanical attachment of a non-CE workman basket to the crane, PALFINGER offers the MFA, which allows for convenient coupling and uncoupling. In addition, for cranes with a hexagonal extension system, insert pieces are available. These are permanently connected to the workman basket.

Code	Inside dimensions extension boom A [mm]	B [mm]	weight [kg]
BB013-10V1	123	62	22
BB013-15V1	155	79	22
BB013-16V1	188	96	28
BB013-17AV1	224	116	30
BB013-18V1	260	138	33



Adaptations may be required on the pull-in part for some crane versions.

If you wish to equip your crane with a quick-change system, you can find the appropriate components in the “Multifunctional Adapter” chapter.

ROTATORS

Rotators from PALFINGER combine high performance and durability with a compact design. When used together with the crane attachments offered by PALFINGER, they provide a perfectly coordinated complete solution — optimum safety and maximum efficiency.

The applied “gerotor” principle allows for the construction of very compact and efficient rotators, which impress with their precise start and stop behavior.

This prevents, for example, the rotation of the grapple when digging, and eliminates the need for counter-control when handling long goods.



PRODUCT FEATURES

- Precise start and stop behavior (without counter-steering)
- Payloads from 3 t to 10 t
- Integrated pressure relief valves to prevent overloading
- High torque at low speed for precise positioning of loads and crane attachments
- Two swivel ball bearings for safe absorption of compressive, tensile, and bending loads
- Forged, one-piece flange shaft
- Continuous rotary motor with integrated oil passage

CRANE CONNECTION VARIANTS

To make it easier to select the connection between crane and tool, we have compiled various connection packages. You can simply choose the appropriate package with your additional device.

For the operation of an additional device

FLANGE ROTATOR PACKAGE

FLANGE

The package consists of:

- Flange rotator PZR450GF, payload 4500 kg, torque 850 Nm, bending moment 3000 Nm
- Upper suspension according to the crane version
- Hose protection to prevent damage of the hydraulic connections
- Connecting hoses to the crane incl. screw couplings

Ideally suited for the operation of several additional devices

SHAFT ROTATOR PACKAGE

SHAFT

The use of a shaft rotator makes it easy to switch between different accessories such as crane fork, brick stack grapples or clamshell buckets.

The package consists of:

- Shaft rotator PZR450G-68 shaft diameter 68 mm payload 4500 kg, torque 850 Nm bending moment 3000 Nm
- Upper suspension according to the crane version
- Hose protection to prevent damage of the hydraulic connections
- Connecting hoses to the crane incl. screw couplings

PRE-SHAFT

Preparation for shaft rotator

Mounted on the attachment, allows operation with a shaft rotator and ensures easy switching between different attachments. If the crane is already equipped with a rotator, the attachment can also be equipped only with the preparation.

QUICK-KIT

Quick change device (load 4000 kg)

For an even more efficient switching between different tools, a quick-change device is also available to the shaft rotator. The mechanical coupling and closing is effected by the rotary motion of the rotator. To disconnect, the operator only has to manually open the locking device of the quick-change system and operate the rotary motor. You can change easily and fast between e. g. grapple and brick stack grapples.

If the rotator on the crane is already equipped with a quick-change system, the attachment can only be equipped with PRE-QUICK preparation.

SHAFT-HOOK

Load hook
Payload 4500 kg

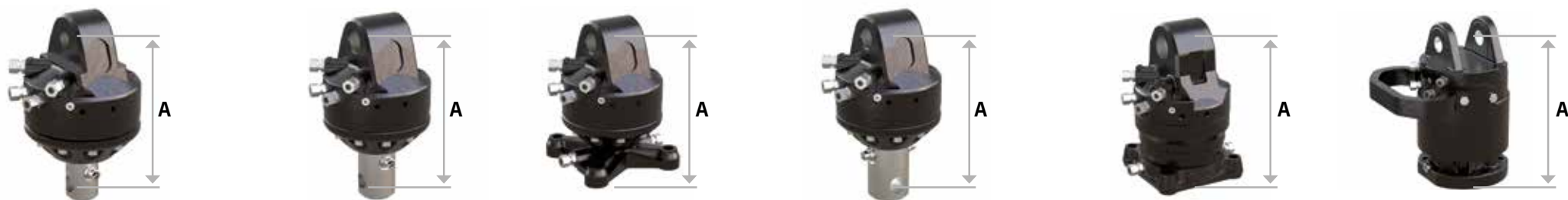
Rigid load hook. The perfect tool for positioning all your loads.

QUICK-HOOK

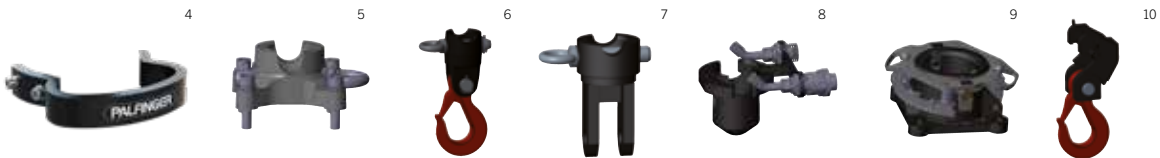
Load hook
Payload 4000 kg

Rigid load hook for quick change device. The perfect tool for positioning all your loads.

ROTATORS
COMBINATIONS



OPTION		DESCRIPTION	CODE	3 t	4.5 t		6 t		10 t
				PZR300G	PZR450G-68	PZR450GF	PZR601G	PZR601GF	PZR1000GF
Basic data		Connection		Shaft Ø 49.5 mm	Shaft Ø 68 mm*	Flange □ 140 mm	Shaft Ø 68 mm	Flange □ 140 mm	Flange □ 140 mm
		Working pressure max. [bar]		370	370	370	370	370	370
		Overpressure protection		●	●	●	●	●	●
Basic data		Recommended rate of flow [l/min]		25 – 40	25 – 40	25 – 40	25 – 40	25 – 40	25 – 40
		Torque [Nm]		850	850	850	1000	1000	2000
		Bending moment [Nm]		1750	3000	3000	4500	8500	12000
		Installation height A [mm]		229	242	220	286	254	313
		Weight [kg]		24	26	26	32	34	65
	Upper suspension			depending on crane	depending on crane	depending on crane	depending on crane	depending on crane	depending on crane
			H25	UL167 (B 170 mm)	--	--	--	--	--
			H30	UL168 (B 170 mm)	UL045 (B 263 mm)	UL045 (B 263 mm)	UL135 (B 278 mm)	UL135 (B 278 mm)	--
Additional equipment			H43	--	UL045K (B 173 mm)	UL045K (B 173 mm)	UL135K (B 245 mm)	UL135K (B 245 mm)	--
					UL045-42 (B 253 mm)	UL045-42 (B 253 mm)	UL135-42 (B 268 mm)	UL135-42 (B 268 mm)	UL153-42 (B 370 mm)
			P30	--	KLG060-BA (B 150 mm)	KLG060-BA (B 150 mm)	KLG063-BA (B 150 mm)	KLG063-BA (B 150 mm)	--
			P43	--	KLG067-BA (B 240mm)	KLG067-BA (B 240mm)	KLG064-BA (B 150 mm)	KLG064-BA (B 150 mm)	--
					KLG062-BA (B 150 mm)	KLG062-BA (B 150 mm)			
	Connection hoses								
	Hydraulic plug-in couplings								
Additional equipment									
	Crane to rotator (2 pcs.) - length 900 mm			BL462-R	BL462-R	--	BL462-R	--	--
				BL462	BL462	BL462	BL462	BL462	BL462
	Crane to rotator (4 pcs.) - length 900 mm			BL513	BL513	BL513	BL513	BL513	BL513
				BL463	BL463	BL463	BL463	BL463	BL463
	Crane to rotator (4 pcs.) - length 1200 mm								
	Rotator to additional device (2 pcs)								
Additional equipment	Complete kit	2RO-PK		BL981-PK	BL981-PK		BL9 81-PK		
				BL981-L	BL981-L		BL981-L		
	Mobile parts (2 pcs.)	2RO-L		BL981-F	BL981-F		BL981-F		
	Fixed part (2 pcs.)	2RO-R							
	Hose protection ⁴			--	PZZR450S	PZZR450S	PZZR601S	PZZR601S	--
	Connecting piece ⁵	PRE-SHAFT		--	PZZR450R-68	--	PZZR601R-GA	--	--
Additional equipment	Load hook ⁶	SHAFT-HOOK		--	PZZR450LH-68	--	PZZR601LH-W	--	--
				--	PZZR450-A	--	--	--	--
	Rigid link ⁷	SHAFT-LINK							
	Quick changer - package	QUICK-KIT		--	PZZR450SV-PK	--	PZZR601SV-PK	--	--
				--	PZZR450SV-OT	--	PZZR601SV-OT	--	--
	Quick changer - upper part ⁸	SHAFT-QUICK		--	PZZR450SV-UT	--	PZZR601SV-UT	--	--
				--	PZZR450SV-UT	--	PZZR601SV-UT	--	--
	Quick changer - lower part ⁹	PRE-QUICK		--	PZZR450SV-UT	--	PZZR601SV-UT	--	--
				--	PZZR450SV-UT	--	PZZR601SV-UT	--	--
Additional equipment	Quick changer - hook ¹⁰	QUICK-HOOK		--	PZZR450-A/LH	--	PZZR601-A/LH	--	--
				--	PZZR450-A/LH	--	PZZR601-A/LH	--	--



● Standard ○ Optional -- Not available * further diameters available on request

An overview of the available suspensions and their applications can be found on PALDESK.



GRAPPLES

The classic crane tool. Whether for handling or easy digging, we offer the right grapple for every application. Proven technology ensures high reliability and efficiency.

A wide range of options allows you to optimally equip your grapple for your daily requirements.



HPX GRAPPLE

The all-rounder

- Universal clamshell grapple for daily use
- Easy shell change within 10 minutes
- Constant clamping force throughout the entire gripping process
- Low maintenance
- Longer service life at lower operating costs
- No protruding components



UNIVERSAL GRAPPLE

Versatile

- Clamshell grapple with laterally open shells for universal use
- Suitable for simple digging and for handling both bulk and bulky goods



DIGGING GRAPPLE

Solid

- Maximum loading height thanks to compact design
- Excellent penetration performance due to optimized shell geometry
- Long service life thanks to high-strength cutting-edge material



HIGH-VOLUME CLAMSHELL BUCKET

Fast

- The clamshell bucket of choice for all handling operations
- Good accessibility allows lateral filling by hand
- High cycle rate

SPECIAL GRAPPLES

Individually

In addition to the standard models, PALFINGER offers a wide range of custom solutions on request.

Grapple for Z-crane



Rail grapples



Orange-peel grapples



Grapples with vertical cylinders



Grapples for small cranes



HPX-GRAPPLE

CONFIGURATION

OPTIONS

HPX-DRIVE UNIT

NEW
5 years
warranty



OPTION	DESCRIPTION	CODE	HPX	HPX hd
Basic data	Load capacity [kg]		3000	3000
	Working pressure max. [bar]		320	320
	Overpressure protection		•	--
	Recommended rate of flow [l/min]		40 – 75	40 – 75
	Closing force max. [kN]		20	30
	Weight incl. crane connection[kg]		160	195
Additional equipment	Central hook	CENTH	○	○
	Grab extension	GREX	○	○

HPX-CRANE CONNECTION

FLANGE
For the operation of one additional device

SHAFT
Ideally suited for the operation of several additional devices

PRE-SHAFT

QUICK-KIT

SHAFT-HOOK

QUICK-HOOK



HPX-EXCHANGEABLE SHELLS

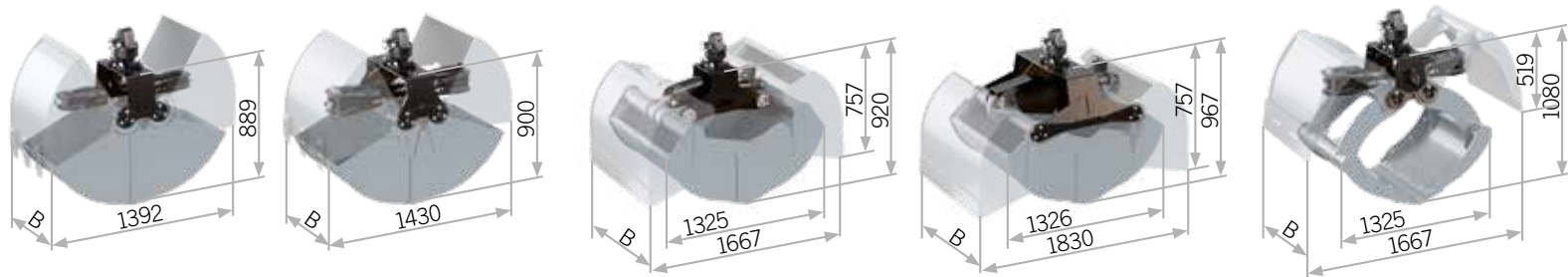
OPTION	DESCRIPTION	CODE	HPX	HPX hd
CLAMSHELL BUCKETS				
Nominal volume	095 L	G095	○	--
	150 L	G150	○	--
	200 L	G200	○	140 400
	250 L	G250	○	170 500
	325 L	G325	○	--
	350 L	G350	○	200 650
	450 L	G450	○	225 800
	550 L	G550	○	265 1000
UNIVERSAL CLAMSHELL BUCKETS				
Nominal volume	250 L	U250	○	--
	300 L	U300	○	240 670
	400 L	U400	○	260 820
	450 L	U450	○	275 920
	500 L	U500	○	295 1020
Additional equipment*	Screwable excavator teeth	DTEETH**	--	--
	Scrapers	EJECT	○	○
	wear plates	WEARE	○	○
	weld-on hook	WHOOK02	○	○
	hydraulic plug in couplings	2RO-PK	○	○
	rail adapter	P-CRAIL	○	○
	compression rails	CRAIL	○	○
	side plates (only for universal shells)	SWALL	○	○
	Special color RAL	RAL_____	○	○
FURTHER SHELLS				
Hay and forest	0.20 m ²	H020	○	--
	0.40 m ²	H040	○	195 940
Rock	0.16 m ²	S016	○	--
	0.35 m ²	S035	--	135 400
Timber	0.16 m ²	T016	○	90 400

• Standard ○ Optional -- Not available * Details see page 28
** Standard on clamshell buckets
special shells on request

GRAPPLE

CONFIGURATION

OPTIONS



OPTION		DESCRIPTION	CODE	DIGGING GRAPPLE		HIGH VOLUME CLAMSHELL BUCKET		UNIVERSAL GRAPPLE		ADDITIONAL EQUIPMENT	
				PZG-G	PZG-G hd	PZG-S	PZG-S hd	PZG-U			
Basic data	Load capacity [kg]			3000	3000	3000	3000	3000	DTEETH Excavator teeth Easy to change, screw-on excavator teeth		
	Working pressure max. [bar]			320	320	320	320	320			
	Overpressure protection			--	--	●	●	--			
	Recommended rate of flow [l/min]			40 – 75	40 – 75	40 – 75	40 – 75	40 – 75			
	Closing force max. [kN]			20	30	20	28	28			
Nominal volume	150 L	CAP150		weight [kg] ○ 185	Overall width [mm] 325	weight [kg] --	Overall width [mm] --	weight [kg] --	Overall width [mm] --	weight [kg] --	Overall width [mm] --
	200 L	CAP200		○ 195	400	○ 265	400	--	--	--	--
	250 L	CAP250		○ 220	500	○ 285	500	--	--	○ 340	570
	300 L	CAP300		--	--	○ 315	640	○ 370	500	○ 355	670
	350 L	CAP350		○ 240	650	○ 310	650	--	--	--	--
	400 L	CAP400		--	--	○ 345	800	○ 430	800	○ 380	820
	450 L	CAP450		○ 275	800	○ 340	800	--	--	○ 390	920
	500 L	CAP500		--	--	○ 370	1000	○ 475	1000	○ 410	1020
	550 L	CAP550		○ 290	1000	○ 375	1000	--	--	--	--
	600 L	CAP600		--	--	--	--	--	--	○ 440	1220
	650 L	CAP650		--	--	○ 410	1200	--	--	--	--
	1000 L	CAP1000		--	--	--	--	○ 595	1200	--	--
Additional equipment	Screwable excavator teeth	DTEETH		●	●	○	○	○	○	○	○
	Scrapers	EJECT		○	○	--	--	--	--	--	--
	wear plates	WEARE		○	○	○	○	○	○	●	●
	weld-on hook	WHOOK02		○	○	●	●	●	●	●	●
	hydraulic plug in couplings	2RO-PK		○	○	○	○	○	○	○	○
	compression rails	CRAIL		○	○	○	○	○	○	○	○
	side plates	SWALL		--	--	--	--	--	--	○	○
	Special color RAL	RAL__		○	○	○	○	○	○	○	○
Crane Connection*			FLANGE	○	weight [kg] 39	○	weight [kg] 39	○	weight [kg] 39	○	weight [kg] 39
			SHAFT	○	40	○	40	○	40	○	40
			PRE-SHAFT	○	3	○	3	○	3	○	3
			SHAFT-HOOK	○	12	○	12	○	12	○	12
			PRE-QUICK	○	7	○	7	○	11	○	11
			QUICK-KIT	○	12	○	18	○	18	○	18
			QUICK-HOOK	○	7	○	14	○	14	○	14

DTEETH

Excavator teeth

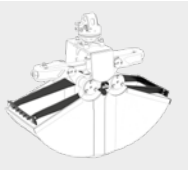
Easy to change, screw-on excavator teeth



EJECT

Ejector

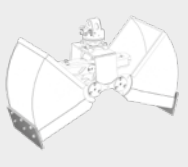
Ejectors automatically clean the insides of the shells from adhering materials, such as clay, during the opening process.



WEARE

Wear edges

Used to protect the horizontal cutting edges.



WHOOK02

Welding hooks

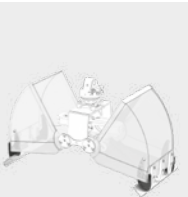
For hanging slings or chains. Maximum load per hook: 1000 kg



CRAIL

Compression rails

For loading plates, curbs, or similar items.



P-CRAIL

Adapter for compression rails

Allows the secure attachment of the compression rails.

compression rails set
CR072 (length 720 mm)
CR100 (length 1000 mm)



SWALL

Sidewalls

Additional sidewalls, screw-on



ORANGE PEEL GRAPPLE

- The robust orange-peel grapple is used for scrap, construction materials, and waste handling
- Available with 4 or 5 grapple arms and in three different designs
- Load eye on the central section serves as an additional lifting point
- Long service life thanks to the robust design – oil distributor and hydraulic hoses protected in the central section
- Generously dimensioned bearings
- Wear-resistant shells with a Brinell hardness of 400 HB
- Cylinders with piston rod protection and stops for both end positions of the grapple arms



- Closing force: 11–13 kN
- Operating pressure: 260 bar (without overpressure protection)
- Includes check valve
- Recommended flow rate: 30–75 l/min

Type	Number of Grapple Arms	Nominal Volume [L]	Opening Width [mm]	Width closed [mm]	Height with Rotator [mm]	Load Capacity [kg]	Closing Force [kN]	Weight without Rotator [kg]
PZG120PH5	5	120	1360	1065	800	2000	13	300
PZG180PH5	5	180	1450	1070	850	2000	12	305
PZG240PH5	5	240	1720	1125	985	2000	11	340



- Closing force: 13–18 kN
- Operating pressure: 260 bar (without overpressure protection)
- Includes check valve
- Recommended flow rate: 30–80 l/min

Type	Number of Grapple Arms	Nominal Volume [L]	Opening Width [mm]	Width closed [mm]	Height with Rotator [mm]	Load Capacity [kg]	Closing Force [kN]	Weight without Rotator [kg]
PZG250PV4	4	250	1550	1285	1015	2500	18	445
PZG350PV4	4	350	1720	1260	1100	3000	16	470
PZG500PV4	4	500	2155	1320	1350	3000	13	555
PZG250PV5	5	250	1550	1285	1015	2500	18	520
PZG250PV5	5	350	1720	1260	1100	3000	16	545
PZG250PV5	5	500	2155	1320	1350	3000	13	635
PZG250PH4	4	250	1550	1285	1015	2500	18	425
PZG350PH4	4	350	1720	1260	1100	3000	16	440
PZG500PH4	4	500	2155	1320	1350	3000	13	505
PZG250PH5	5	250	1550	1285	1015	2500	18	505
PZG250PH5	5	350	1720	1260	1100	3000	16	520
PZG250PH5	5	500	2155	1320	1350	3000	13	595
PZG250PS4	4	250	1550	1285	1015	2500	18	390
PZG350PS4	4	350	1720	1260	1100	3000	16	395
PZG500PS4	4	500	2155	1320	1350	3000	13	435
PZG250PS5	5	250	1550	1285	1015	2500	18	470
PZG250PS5	5	350	1720	1260	1100	3000	16	480
PZG250PS5	5	500	2155	1320	1350	3000	13	525

PZG-PV: Full shells for handling chips, small scrap, glass, soil, gravel, rubble, loose bulk material, etc.
PZG-PH: Half shells closing at the lower segment edges for handling chips, scrap, waste, etc.
PZG-PS: Pointed shells closing at the tip for handling bulky scrap, construction debris, bundled waste paper, etc.

ADDITIONAL EQUIPMENT

PZZGP-DBV

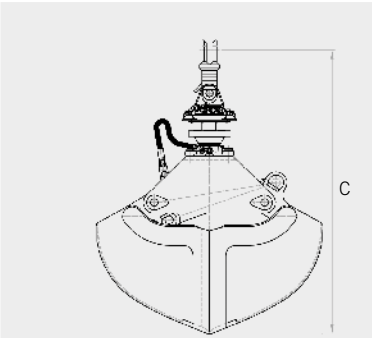
Valve plate with pressure relief valve for shaft rotators

CRANE CONNECTION

Complete your grapple with rotators and mounting brackets (see pages 27/28)

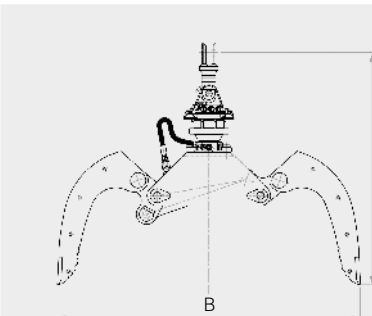
GRAPPLES FOR PK 3400 / PK 4200

- Ideal for landscaping and municipal work
- Suitable for light digging operations
- Compact design
- Universal grapples are ideal for digging and handling bulky materials
- Universal grapples with perforated shells are ideal for work in wet areas
- Maximum operating pressure: 200 bar (without overpressure protection)
- Complete package including rotator, mounting bracket, and connection hoses



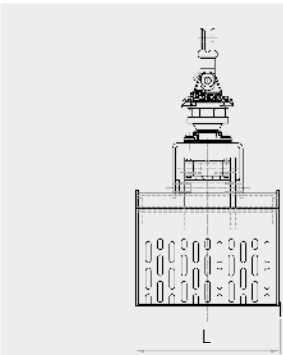
COMPLETE PACKAGE CLAMSHELL BUCKET

Type	Nominal Volume [L]	Width L [mm]	Opening Width B [mm]	Height C with Rotator [mm]	Weight [kg]
PZG050P	50	330	894	880	52
PZG095P	90	350	1100	960	85
PZG125P	125	450	1200	1060	134



COMPLETE PACKAGE UNIVERSAL GRAPPLE

Type	Nominal Volume [L]	Width L [mm]	Opening Width B [mm]	Height C with Rotator [mm]	Weight [kg]
PZG095UP	90	350	1100	1006	85
PZG125UP	125	450	1200	1105	134



COMPLETE PACKAGE UNIVERSAL GRAPPLE with Perforated Shells

Type	Nominal Volume [L]	Width L [mm]	Opening Width B [mm]	Height C with Rotator [mm]	Weight [kg]
PZG095UPP	90	350	1100	1006	81
PZG125UPP	125	450	1200	1105	130

ADDITIONAL EQUIPMENT

PZZU095-SW

Side plates for PZG095UP(P)

PZZU125-SW

Side plates for PZG125UP(P)

BRICK STACK GRAPPLES

The technically advanced brick stack grapples are ideal attachments for handling both palletized and non-palletized goods. Compared to classic pallet forks, unloading times—for example, for a building material transporter—can be significantly reduced. The adjustable plunge depths and optimized opening widths allow loading of individual concrete elements as well as complete brick pallets. Thanks to low-wear rubber inserts in the pressure rails, the grapples are particularly easy to maintain.



PARALLEL OPENING

Versatile
PZS

- Highest safety
- Fixed or adjustable plunge depths
- Thanks to the wide range of pressure rails, the brick stack grapple can be perfectly matched to the material being handled
- NEW: Weld-on hooks for convenient handling of big bags, available as an option



SCISSOR OPENING

Compact
PZS-S

- Compact design
- Fixed plunge depth
- Versatile use with opening widths from 40 - 1500 mm
- Pick up of single stones and big bags possible



PARALLEL OPENING

Simple
PZS321

- Simple, robust construction
- Flexible thanks to adjustable plunge depth

Attention!
Not approved for CE countries.

BRICK STACK GRAPPLES

CONFIGURATION OPTIONS



OPTION	DESCRIPTION	CODE	PZS		
Basic data	Working pressure max. [bar]		370		
	Overpressure protection		●		
	Recommended rate of flow [l/min]		25 – 75		
Plunge depth			Load capacity [kg]**	Opening width [mm]	Weight [kg]
	Fix				
	850 mm	FIX085	○ 2200	400 – 1400	240
	1000 mm	FIX100	○ 2000	400 – 1400	250
	1300 mm	FIX130	○ 1600	400 – 1400	260
	Variable				
	1100 / 1650 mm	VAR165	○ 1900 / 1350	400 – 1400	295
Additional equipment	Opening width 1800 mm	OW1800		○	
	Pendulum brake	PENDLB		○	
	Tilting device for reducing the vehicle height	UKV		○	
	Height reduction link for reducing the vehicle height	KA		○	
	welding hooks (4pcs.) NEW	WHOOK04		○	
	hydraulic plug in couplings	2RO-PK		○	
	Spring-loaded guide rails to stabilize the upper row of stones	SGRAIL		○	
	Gripping width narrowing by 200 mm	GV200		○	
	adapter for concrete pipes	ADRING		○	
Compression rail set	With smooth rubber insert	A29	720 ○	length 1000 ●	1250 ○
	Spring-loaded guide rails for stabilizing the top layer of the stack	A32	--	○	○
	With two rubber inserts blocked out at the top, smooth at the bottom	A39	○	○	○
Crane connection*					weight [kg]
	FLANGE		○		39
	SHAFT		○		40
	PRE-SHAFT		○		3
	SHAFT-HOOK		○		12
	PRE-QUICK QUICK-KIT		○		7
	QUICK-HOOK		○		12
			○		7

● Standard ○ Optional -- Not available * Details see page 27 ** Depending on the condition of the load (size, bundling, surface)



ADDITIONAL EQUIPMENT

OW1800
Opening width 1800 mm

Increasing the opening width from 1400 mm to 1800 mm



UKV
Tilting device

To reduce the total vehicle height.
Only available at SHAFT



ADRING
Adapter for concrete pipes

with diameter from 800 – 1350 mm



PENDLB
Pendulum brake

The pendulum brake dampens the swinging of the crane tool.



KA
Height reduction link

To reduce the total vehicle height.

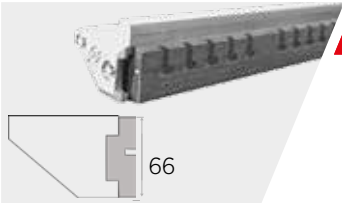


WHOOK04
Welding hooks

4 pcs. Welding hooks for hanging slings or chains.
(Max. load per hook is 1000 kg)

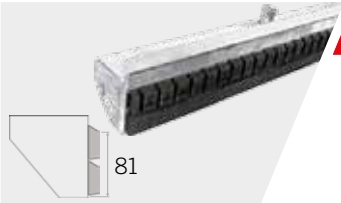


COMPRESSION RAIL SET




A29

With smooth rubber
Ideal for pallets and brick packages



A39

Blocked out with two rubber inserts at the top, smooth at the bottom
Ideal for pallets and brick packages



A32

Slat rails with lever lock and individually guided clamps
Ideal for paving stones

BRICK STACK GRAPPLES

CONFIGURATION OPTIONS



OPTION	DESCRIPTION	CODE	PZS-S	PZS321 (NON-CE)
--------	-------------	------	-------	-----------------

Basic data	Working pressure max. [bar]		370	210
	Overpressure protection		●	●
	Recommended rate of flow [l/min]		25 – 75	25 – 75
			Load capacity [kg] Opening width [mm] Weight [kg]	Load capacity [kg] Opening width [mm] Weight [kg]
Plunge depth	Fix			
	1000 mm	FIX100	○ 2000 220 – 1420 315	--
	1100 mm	FIX110	○ 2000 160 – 1450 320	--
	1200 mm	FIX120	○ 1800 98 – 1475 325	--
	1300 mm	FIX130	○ 1600 40 – 1500 330	--
	Variable			
	790 – 1310 mm	VAR131	--	● 2000 – 1500 780 – 1400 401
Additional equipment	weld-on hook (4 pcs.)	WHOOK04	○	--
	Pendulum brake	PENDLB	○	○
	Tilting device for reducing the vehicle height	UKV	○	○
	Height reduction link for reducing the vehicle height	KA	○	○
	hydraulic plug in couplings	2RO-PK	○	○
Compression rail set	With smooth rubber insert	A40	720 -- length (mm) 1000 ● 1250 ○	length [mm] --
	With three-piece smooth rubber insert		--	1200 ●
Crane connection*			weight [kg]	weight [kg]
<div><div>FLANGE</div><div>SHAFT</div><div>PRE-SHAFT</div><div>QUICK-KIT</div><div>QUICK-HOOK</div><div>SHAFT-HOOK</div></div>	FLANGE	○	39	○ 39
	SHAFT	○	40	○ 40
	PRE-SHAFT	○	3	○ 3
	SHAFT-HOOK	○	12	○ 12
	PRE-QUICK	○	7	○ 7
	QUICK-KIT	○	12	○ 12
	QUICK-HOOK	○	7	○ 7

● Standard ○ Optional -- Not available * Details see page 27 ** depending on the condition of the load (size, bundling, surface)



ADDITIONAL EQUIPMENT

UKV Tilting device

To reduce the total vehicle height.
Only available at SHAFT



KA Height reduction link

To reduce the total vehicle height.



WHOOK04 Welding hooks

4 pcs. welding hooks for hanging slings or chains.
(Max. load per hook is 1000 kg)



PENDLB Pendulum brake

The pendulum brake dampens the swinging of the crane tool.



PALLET FORKS

Equipped with the right crane fork, your crane becomes an all-rounder for handling palletized and packaged goods. For classic pallet handling, we offer optional crane forks with mechanical, spring-, or hydraulic-assisted center of gravity compensation.



SPRING-SUPPORTED PALLET FORKS

Comfortable
PZP-V | PZP-VS

- Low-maintenance and time-saving solution
- Easy and safe pallet pickup thanks to self-adjusting center of gravity compensation
- Multifunctional use for pallet handling thanks to simple adjustment of effective height and tine spacing
- Easy threading through the narrow forged tines



MECHANICAL PALLET FORKS

Solid
PZP | PZP-MF

- Robust and economical solution
- Easy threading through the narrow forged tines
- Multifunctional use thanks to simple adjustment of effective height and tine spacing



HYDRAULIC PALLET FORK

Precise
PZP-H

- The flexible premium product
- Fast and efficient pallet pickup of different sizes and weights
- Highest safety and precision thanks to hydraulic balance compensation
- Simple one-person operation saves time and money



SPECIAL PALLET FORKS

Individually

In addition to the standard models, PALFINGER offers a wide range of special solutions upon request.

PALLET FORK
CONFIGURATION
OPTIONS



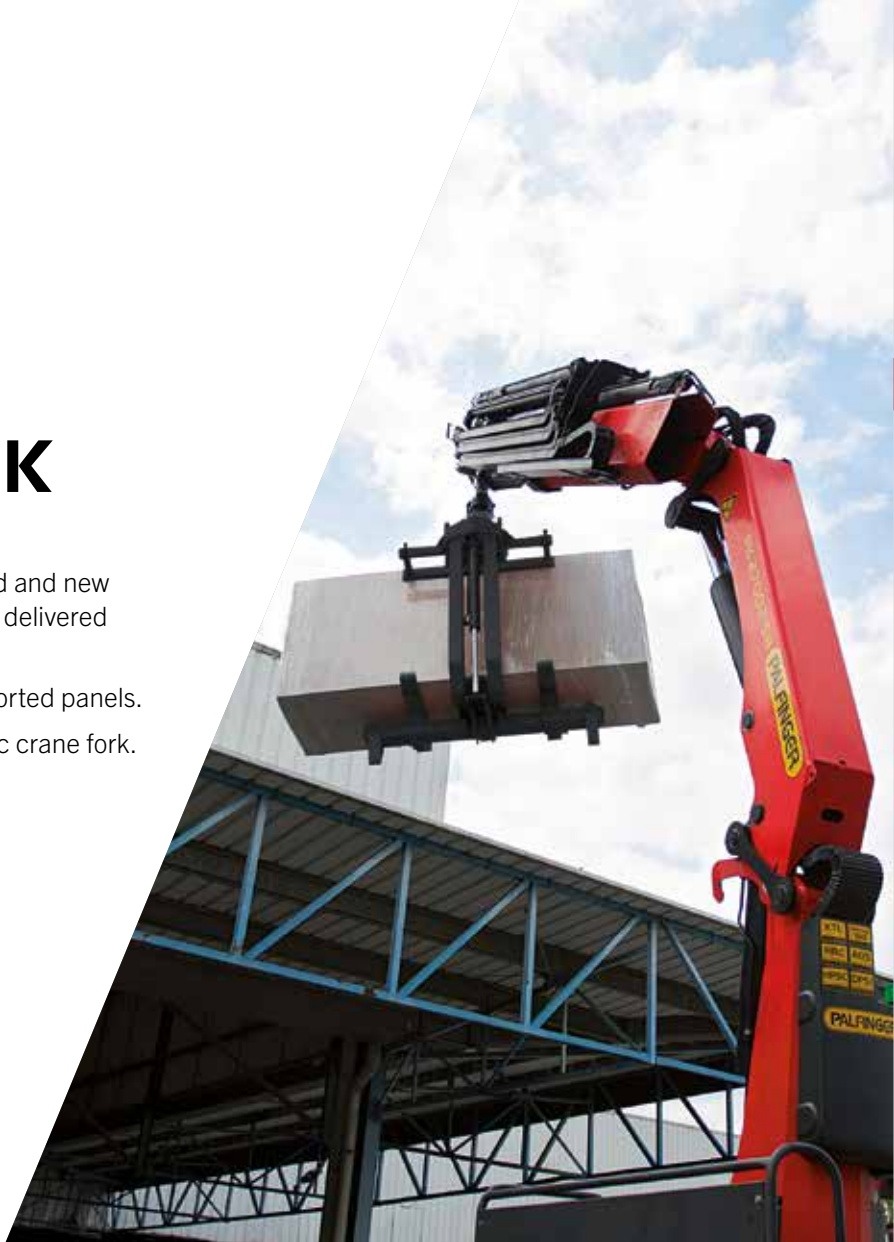
OPTION			DESCRIPTION		CODE	HYDRAULIC			SPRING SUPPORTED						MECHANICAL					
						PZP-H			PZP-V			PZP-VS			PZP			PZP-MF		
Basic data						200			--			--			--			--		
						--			--			--			--			--		
						40 – 75			--			--			--			--		
						1050 – 1650			1050 – 1650			1050 – 1650			1050 – 1650			1050 – 1650		
						Weight [kg]	Tine distance [mm]	Cross section [mm]	Weight [kg]	Tine distance [mm]	Cross section [mm]	Weight [kg]	Tine distance [mm]	Cross section [mm]	Weight [kg]	Tine distance [mm]	Cross section [mm]			
Load capacity tine length	Center of gravity distance 500 mm	1500 kg 980 mm	TRAGL 1500 LFORK 980	○ 165	475 – 815	80x35	○ 130	475 – 815	80x35	○ 135	325 – 920	80x35	○ 120	325 – 920	80x35	--				
		2000 kg 980 mm	TRAGL 2000 LFORK 980	○ 190	475 – 835	100x35	○ 150	495 – 835	100x35	○ 155	345 – 940	100x35	○ 130	345 – 940	100x35	○ 150	330 – 930	100x35		
		2500 kg 980 mm	TRAGL 2500 LFORK 980	○ 250	490 – 830	90x40	○ 210	490 – 830	90x40	○ 180	355 – 945	90x40	--			○ 180	330 – 930	100x35		
	Center of gravity distance 600 mm	1500 kg 1150 mm	TRAGL 1500 LFORK 1150	○ 195	495 – 835	100x35	○ 165	495 – 835	100x35	○ 170	345 – 840	100x35	--			--				
		2000 kg 1150 mm	TRAGL 2000 LFORK 1150	○ 250	500 – 840	90x40	○ 205	500 – 840	90x40	○ 200	355 – 945	90x40	--			○ 205	355-945	90x40		
		2500 kg 1150 mm	TRAGL 2500 LFORK 1150	○ 270	510 – 850	100x45	○ 230	510 – 850	100x45	○ 225	385 – 975	100x45	--			○ 220	385-975	100x45		
Additional equipment						Increase of usable height in 750 mm		EXT075	○		○		○		○		○			
						Telesopic to useable height 2500 mm		TELE25	○		○		--		--		○**			
						Telesopic to useable height 3000 mm		TELE30	--		--		--		--		○**			
						Hydraulic plug in couplings		2RO-PK	○		--		--		--		--			
Crane connection* <div><div>FLANGE</div><div>SHAFT</div><div>PRE-SHAFT</div><div>QUICK-KIT</div><div>QUICK-HOOK</div></div>						FLANGE		Weight [kg]		○ 39		-- 39		-- 39		-- 39		○ 39		
						SHAFT		○ 40		○ 40		○ 40		○ 40		○ 40		○ 40		
						PRE-SHAFT		○ 3		--		-- 3		-- 3		○ 3		○ 3		
						SHAFT-HOOK		○ 12		○ 12		○ 12		○ 12		○ 12		○ 12		
						SHAFT-LINK		○ 9		○ 9		○ 9		○ 9		○ 9		○ 9		
						PRE-QUICK		○ 7		--		--		--		--		○ 7		
						QUICK-KIT		○ 12		--		--		--		--		○ 12		
QUICK-HOOK		○ 7		--		--		--		--		○ 7								

UNIVERSAL FORK

The universal fork is particularly suitable for supplying old and new buildings with construction panels and other horizontally delivered building materials.

Different tine adjustments allow adaptation to the transported panels.

Of course, the universal fork can also be used as a classic crane fork.



SINGLE SPAR

- Light PZP-W**
- Gentle handling of panels with special tines
 - Higher range due to lower weight

DOUBLE SPAR

- Robust PZP-WK**
- Gentle handling of panels with special tines
 - Robust design
 - Tilting cylinder protected from damage by the double spar

CONFIGURATION OPTIONS

OPTION	DESCRIPTION	CODE	PZP-W		PZP-WK	
Basic data	Working pressure max. [bar]		370		370	
	Overpressure protection		●		●	
Basic data	Recom. rate of flow [l/min]		40 – 75		40 – 75	
	Package height max. [mm]		1250		1250	
	Package depth max. [mm]		460		460	
	Tine length [mm]		1600		1600	
Load capacity	800 kg	TRAGL 800	Weight [kg]	Tine distance [mm]	Weight [kg]	Tine distance [mm]
	1000 kg	TRAGL 1000	--		○ 265	600 – 1000
	1500 kg	TRAGL 1500	○ 345	640 – 1600	○ 380	640 – 1600
	2000 kg	TRAGL 2000	○ 360	640 – 1600	○ 390	640 – 1830
	2500 kg	TRAGL 2500	○ 380	640 – 1600	○ 395	640 – 2100
					○ 390	640 – 1600
					○ 400	640 – 1830
Additional equipment	Hydraulic plug in couplings	2RO-PK		○		○
	clamping device	PZP001		○		○
	Park console	PZP002		○		○
	prep. for hydraulic hook	P-PZHH		○		○
Crane connection*	FLANGE		Weight [kg]		Weight [kg]	
	SHAFT		○	39	○	39
	PRE-SHAFT		○	40	○	40
	QUICK-KIT		○	3	○	3
	SHAFT-HOOK		○	12	○	12
	PRE-QUICK		○	7	○	7
	QUICK-KIT		○	19	○	19
	QUICK-HOOK		○	7	○	7

● Standard ○ Optional -- Not available * Details see page 27

ADDITIONAL EQUIPMENT

- PZP001**
- Adjustable clamping device to secure single sheets and smaller packs (for load over 1000 kg)
- PZP002**
- Rack for safe and easy handling of folded universal fork (for load over 1000 kg)



P-PZHH

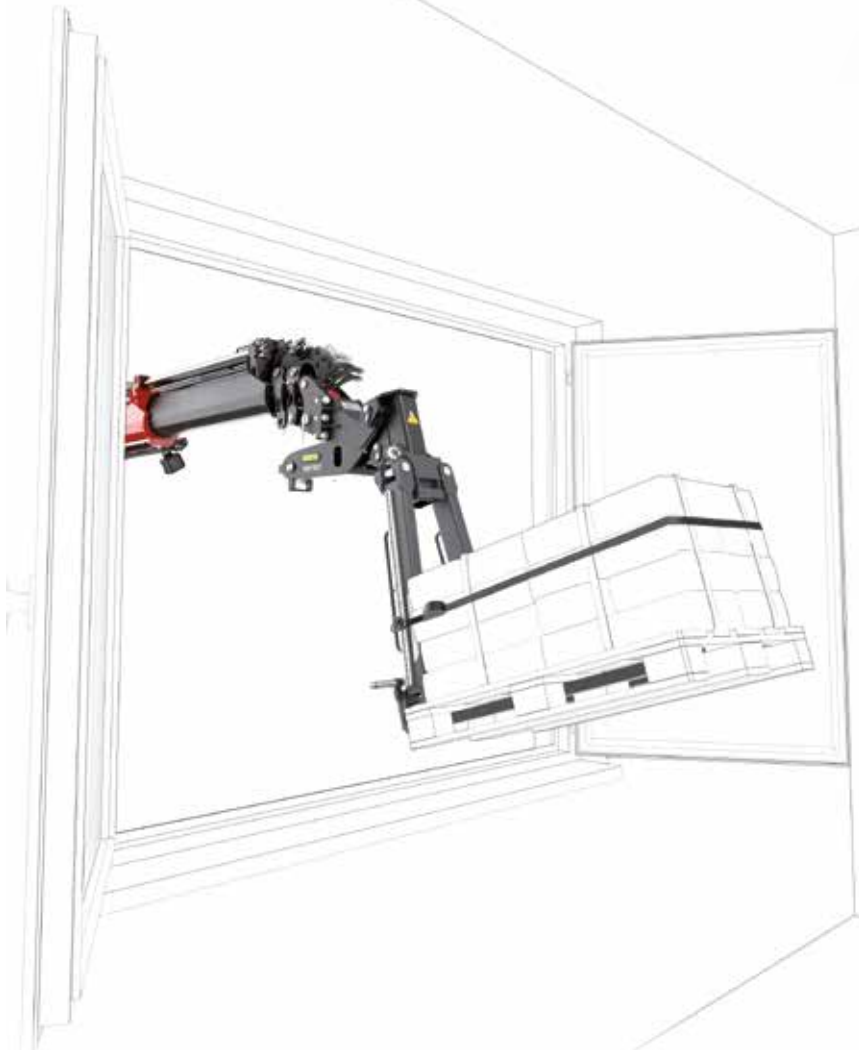
If your universal fork is equipped with P-PZHH instead of a rotator, it can also be conveniently and efficiently operated using the hydraulic hook PZHH05.

TILTABLE PALLET FORK PZP-TILT

PALFINGER stands worldwide for the most innovative, reliable, and cost-effective lifting solutions. Our loader cranes are also renowned multitools, capable of being equipped with a wide range of attachments to flexibly meet the diverse operational requirements of our customers.

The tiltable crane fork impresses not only with its functionality but also with the following advantages:

- **Reduced overall height:** A reduction of up to 1580 mm in total height compared to the existing PZP-H & PZP-V models provides improved visibility and reduces the risk of damage.
- **Precise control:** The tiltable crane fork offers enhanced flexibility when combined with the respective TEC crane, while minimizing the risk of damage to surrounding structures. Mounting on the MFA provides additional stability and prevents load swinging.
- **Flexibility in load securing:** To maximize flexibility during load securing, an integrated safety strap allows loads of any size to be secured quickly, easily, and reliably on the tiltable crane fork.
- **Safety:** Customers can rely on an exclusive PALFINGER product that currently represents the only solution on the European market meeting the requirements of EN 12999. The specially programmed software function MTCF (Monitor Tiltable Crane Fork) integrates the crane fork into the TEC loader crane's overload protection system.



BASIC UNIT

Tiltable crane fork with spindle-adjustable tines, including safety strap.
EN12999 compliant with crane option MTCF.

Load capacity [kg]	1200	●
Center of gravity distance [mm]	600	
Working pressure max. [bar]	230	
Overpressure protection		

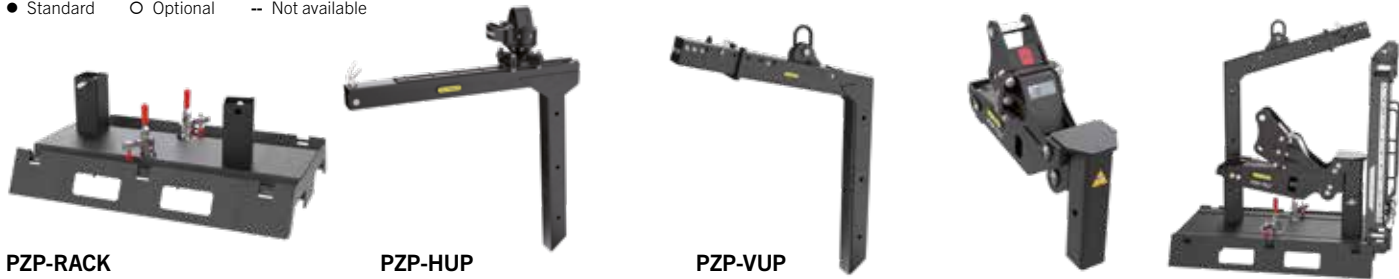
CRANE CONNECTION

MFA	MFA Interface MFA-L1	●
SCHR2	MFA Interface MFA-L1	●
MULTI	Hose kit for use with Multifaster (without coupling part)	○

OPTIONS

PZP-HUP	Additional upper part PZP-H for a load capacity of 2 t	○
PZP-VUP	Additional upper part PZP-V for a load capacity of 2 t	○
PZP-RACK	Transport rack	○

● Standard ○ Optional -- Not available



CONTAINER DISCHARGE UNITS

The essential factors when discharging recycling bins are safety and speed. Precise crane handling, automatic stroke limitation, and the integrated pendulum brake provide the operator with a complete solution, allowing full control of the surroundings. This is a significant safety advantage, especially when careless passers-by are nearby.

Efficient operation is ensured through economical one-person operation and short cycle times. The emptying devices are available for both the ring and mushroom systems.



RING SYSTEM

PZC251 | PZC451

- Also available as a 4.5 t variant
- Save time with shorter emptying cycles
- Extremely compact and robust design
- The optional pendulum brake ensures precise positioning with minimal swinging
- The integrated pressure relief valve ensures safe operation even at higher crane operating pressures



MUSHROOM SYSTEM

PZC250P

- Robust mechanism with automatic centering and hydraulic locking
- The pendulum brake and flange rotator ensure precise positioning with minimal fluctuations
- The integrated pressure relief valve ensures safe operation even at higher crane operating pressures



MUSHROOM- AND RING SYSTEM

PZC250PR

- Ideal solution for recycling companies that need to empty both conventional ring-system and mushroom-type containers
- Compact design for a low overall height
- Standard pendulum brake and flange rotator ensure precise positioning with minimal fluctuations
- Integrated pressure relief valve ensures safe operation even at higher crane operating pressures



RING SYSTEM

PZC250R

- Features a robust and durable mechanism
- Equipped with an integrated pendulum brake and flange rotator



CONTAINER HOOK

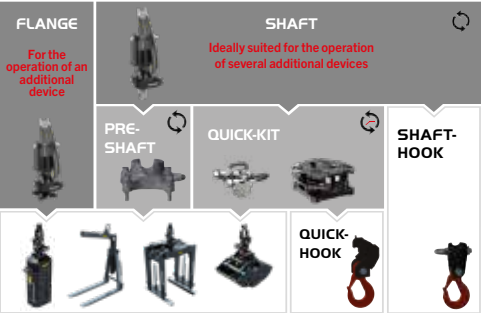
PZC250CH

- Fast and precise attachment and release of containers or loads with lifting rings
- Compact design ensures a low overall height
- Robust mechanism with hydraulic cylinder enables opening and closing of the load hook
- V-shaped cutout on the device facilitates engagement with lifting rings

DISCHARGE UNIT
CONFIGURATION
OPTIONS

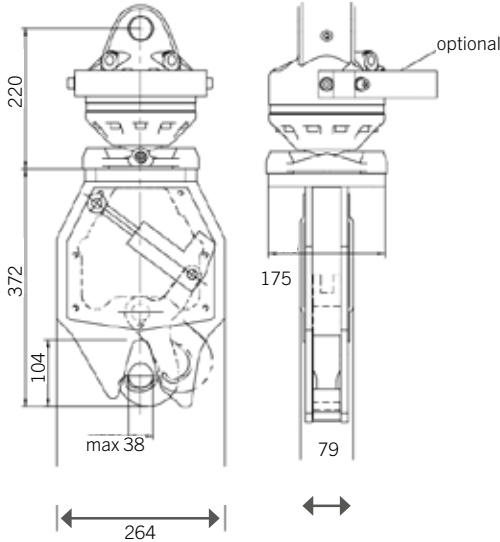


OPTION	DESCRIPTION	CODE	PZC251	PZC451	PZC250PR	PZC250P	PZC250R
Basic data	Load capacity [kg]		2500	4500	2500	2500	2500
	Working pressure max. [bar]		350	350	370	370	370
	Overpressure protection		●	●	●	●	●
	Recommended rate of flow [l/min]		40	40	25 – 70	25 – 75	25 – 75
	Height [mm] (incl. Rotator)		1160	1160	1055	1490	1400
	Lift of the hook max. [mm]		500	500	500	500	500
	Weight [kg] (incl. Rotator an hoses)		178	178	180	210	135
Additional equipment	Containersystem:						
	Doppelringsystem (parallel)	RING2P	●	●	●	--	●
	Pilzsystem	MUSHRO	--	--	●	●	--
	Pendelbremse	PENDLB	○	○	●	●	●
	Anklappvorrichtung	PZCDD	--	--	○	○	○
	Haken und Stütze	PZZC-HS	--	--	○	○	--
Crane connection	FLANGE		○	○	●*	●*	●*
	SHAFT		○	○	--	--	--
	PRE-SHAFT		○	○	--	--	--
	SHAFT-HOOK		○	○	--	--	--
	PRE-QUICK		○	○	--	--	--
	QUICK-KIT		○	○	--	--	--
	QUICK-HOOK		○	○	--	--	--



● Standard ○ Optional -- Not available *incl. upper suspension, without connection hoses

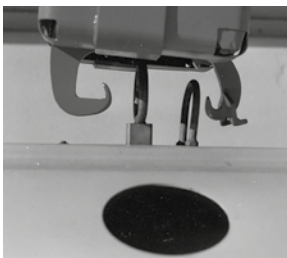
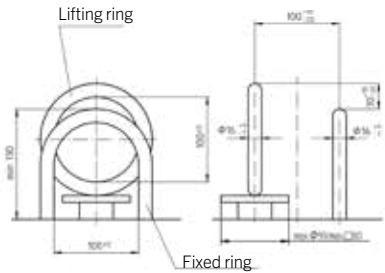
Basic data	Load capacity [kg]	2500
	Working pressure max. [bar]	200
	Overpressure protection	●
	Recommended rate of flow [l/min]	2 – 10
	Lift of the hook max. [mm]	38
	Weight [kg]	46
Additional equipment	Hose protection	PZZR450S
	Prepared for shaft rotator (PZZR450R-68)	--
Crane connection*	With flange rotator (PZR450GF)	●



ADDITIONAL EQUIPMENT

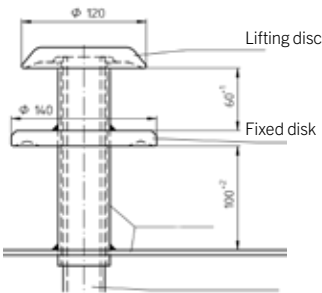
DOUBLE RING-SYSTEM [RING2P]

Safe operation of the container discharge unit can only be ensured if the containers are equipped with lifting rings of the correct size and spacing.



MUSHROOM-SYSTEM [MUSHRO]

Safe operation of the container discharge unit can only be guaranteed if the containers are equipped with the corresponding original lifting and fixed disks.



PENDULUM BRAKE [PENDLB]

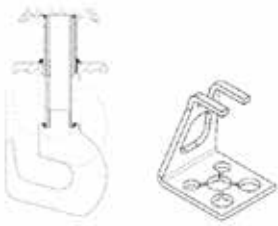
The pendulum brake dampens the swinging of the container discharge unit and is therefore essential for fast and precise operation.



HOOK AND SUPPORT [PZZC-HS]

For temporary crane hook operation, a suitable hook with a transport support is available. The support can be lifted like a container and then used as a hook.

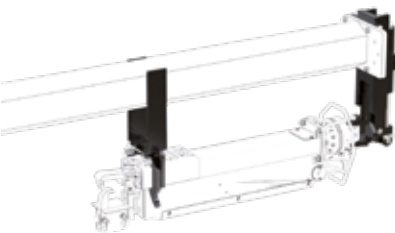
Payload [kg] 2500
Weight [kg] 14



DOCKING DEVICE [PZCDD]

A docking device is available for container discharge units PZC250P, PZC250R, and PZC250PR. Using a hydraulic cylinder, the discharge unit is secured to the extension boom. In the unlocked state, the device functions as a hydraulic pendulum brake. The integrated solenoid valve allows switching of the hydraulic circuit.

Working pressure max. [bar] 280
Folding angle [°] 90
Weight [kg] 70



EARTH AUGER

Need foundations for a carport, mast, or street sign? With the earth auger as a tool for your loader crane, this work can be completed quickly and without the need for additional excavators. Whether soil, gravel, or slightly rocky ground, the auger becomes an all-rounder with the right drill teeth.

With minimal effort, you can drill holes of the required diameter—without the inconvenient and material-intensive slope angle typical of classic digging methods.



BEG

Auger drive

- Highest drilling performance and durability are the hallmarks of the auger drives, delivering torque from 925 to 7500 Nm
- The integrated NDS – Non-Dislodgement Shaft – prevents the shaft from falling out, an essential feature for work safety
- An integrated service port allows fast and easy oil changes
- No external leak oil line required



EBG UND BEG12

Augers and extensions

- Augers are available with diameters from 150 to 900 mm
- Attachment to the auger drive is simple using bolts
- Depending on the crane geometry, the corresponding extensions allow drilling depths of up to 7 m with diameters up to 600 mm



EBG 077

Drilling teeth

- Optimal drilling performance thanks to subsoil-specific drill teeth for soil, gravel, and rocky ground
- The connection between tooth and auger varies depending on the tooth type, designed for maximum durability and easy serviceability



BEGAV20

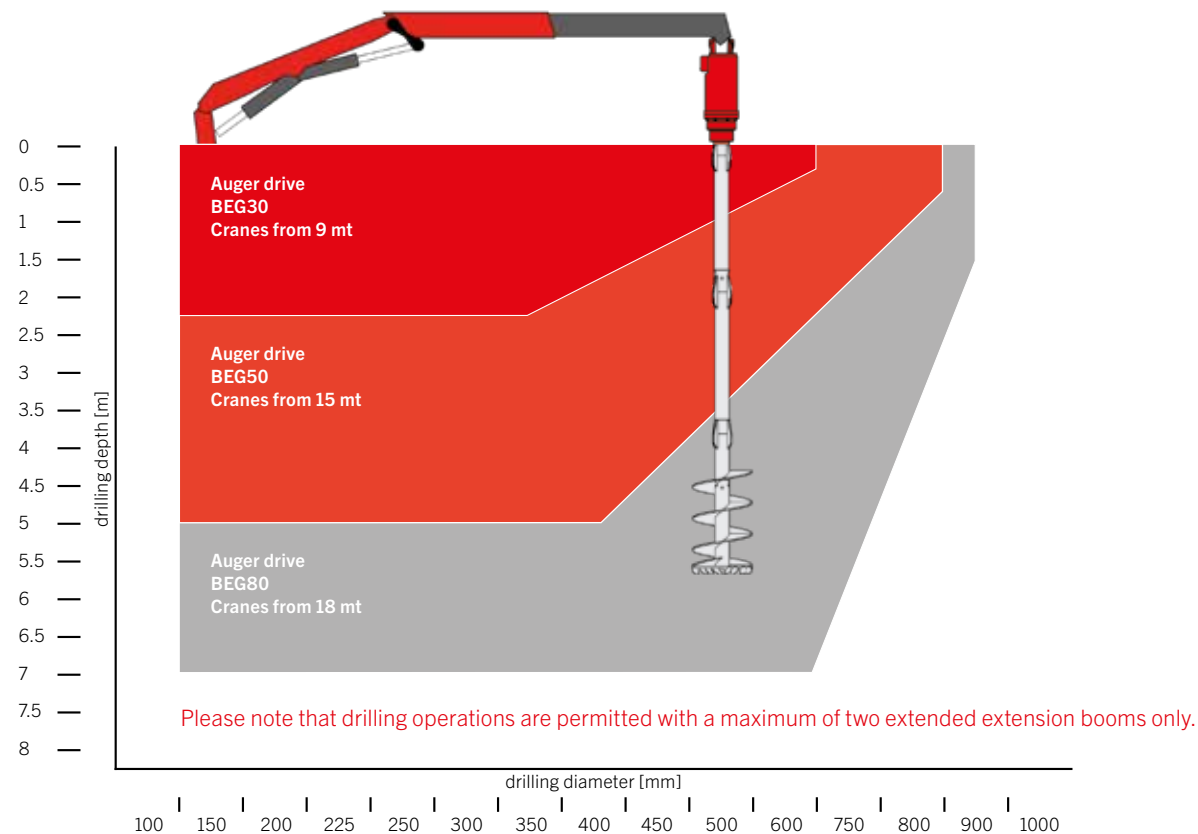
Docking device

- The docking device with specially adapted auger drills facilitates safe placement of the auger
- Reduces downtime for dismantling and reinstalling the auger when changing tools or during interim hook operation

Technical clarification with PALFINGER is required!

POSSIBLE COMBINATIONS

SELECTION OF THE APPLICATION



CRANE CONNECTION

For connection to the crane, the MFA and the earth auger adapter must be used. They can be found in the “Multifunctional Adapter” chapter.

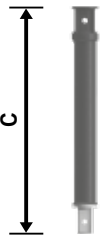
AUGER DRIVE

TECHNICAL DATA	BEG30	BEG50	BEG80
One hydraulic circuit on the crane is required for operation.			
Drilling diameter [mm]	150 – 600	150 – 800	150 – 1000
Working pressure [bar]	80 – 260	80 – 260	80 – 260
Overpressure protection	●	●	●
Recommended rate of flow [l/min]	20 – 50	20 – 50	20 – 50
Drive torque* [Nm]	925 – 3007	1542 – 5012	2313 – 7517
Rotation speed [U/min]	27 – 68	16 – 41	11 – 27
Weight [kg]	73	87	97

* The maximum drive torque must not exceed half of the crane's slewing torque.

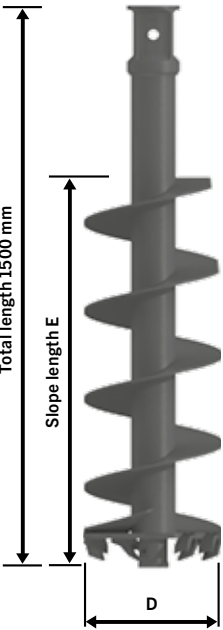
● Standard ○ Optional -- Not available

AUGER EXTENSION



Length C [mm]	Shaft length [mm]	Shaft exit [mm]	Weight [kg]	Code
500	114	□ Vierkant 57	18	BEG12-500
1000	114	□ Vierkant 57	25	BEG12-1000
1500	114	□ Vierkant 57	26	BEG12-1500
2000	114	□ Vierkant 57	30	BEG12-2000

AUGER



Drilling diameter D [mm]	Slope length E [mm]	Weight [kg]	Code				
			Earth and Clay	dry and hard surfaces, gravel layers	Number of drilling teeth	Soft rock	Number of drilling teeth
150	1080	36	EBG150E	EBG150T	--	EBG150R	--
200	975	42	EBG200E	EBG200T	2	EBG200R	3
225	975	46	EBG225E	EBG225T	2	EBG225R	4
250	965	47	EBG250E	EBG250T	2	EBG250R	4
300	900	53	EBG300E	EBG300T	4	EBG300R	5
350	900	58	EBG350E	EBG350T	4	EBG350R	6
400	875	63	EBG400E	EBG400T	5	EBG400R	7
450	750	68	EBG450E	EBG450T	6	EBG450R	8
500	750	75	EBG500E	EBG500T	6	EBG500R	9
600	750	86	EBG600E	EBG600T	8	EBG600R	11
750	700	103	EBG750E	--	9	--	--
800	700	118	EBG800E	EBG800T	9	EBG800R	15
900	700	138	EBG900E	EBG900T	10	EBG900R	17

WEAR PARTS

Ground	Drilling tooth	Code	Auger pilot	Code
Earth and clay		EBG 077E		EBG 077EH
Dry and hard surfaces, gravel layers (Tungsten-Universal)		EBG077T		EBG 077TH
Soft rock, asphalt		EBG 077R		EBG 077RH

HYDRAULIC HOOK

The PALFINGER hydraulic crane hooks allow the crane hook to be opened and locked using crane hydraulics and have been specially developed for construction, transport, and recycling applications.

- Save time by quickly and safely releasing loads at exposed points
- Improve occupational safety by simplifying work processes, such as attaching and detaching pallets or universal forks without climbing onto the vehicle platform
- Optimal connection to rotators, as well as to PALFINGER pallet and universal forks
- Weld-on hook allows easy attachment of bulky goods and big bags



OPTION	DESCRIPTION	PZHH05
Basic data	Load capacity [kg]	4500
	Working pressure max. [bar]	370
	Overpressure protection	--
	Recommended rate of flow [l/min]	2 – 10
	Ring diameter max. [mm]	30
	Weight [kg]	21
Additional equipment	Hose protection	--
Crane connection*	Prepared for shaft rotator (PZZR450R-68)	•

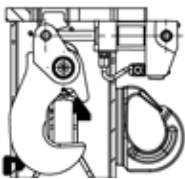
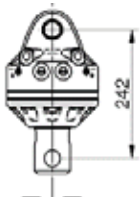
• Standard ○ Optional -- Not available * Details see page 27

ADAPTER PLATE FOR UNIVERSAL FORK

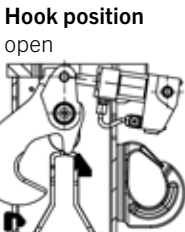
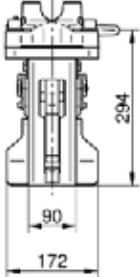
If your universal fork is equipped with the adapter (P-PZHH) instead of a rotator, it can also be operated comfortably and efficiently with the hydraulic hook PZHH05.



Hook position closed

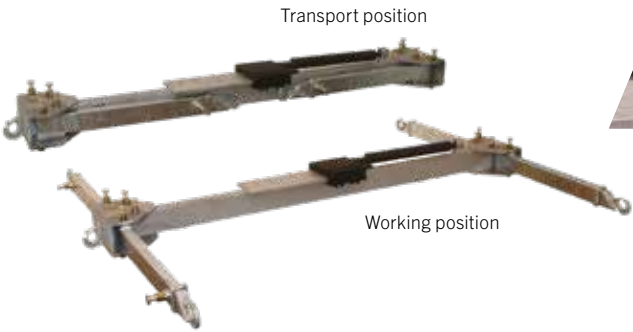


Hook position open



CAR LIFTING DEVICES

The car lifting devices, designed for daily use, ensure easy loading and unloading of vehicles up to 3.5 t. In addition, they provide optimal protection against damage thanks to their adaptability to each vehicle.



OPTION		DESCRIPTION	CODE	3.5 t	
				PZLG35PK	
Basic data	Lifting system			With rotator connection for rotary motion and hydraulic center of gravity compensation (requires 2 hydraulic circuits on the crane)	
	Load capacity [kg]			3500	
Technical data	Working pressure max. [bar]			210	
	Overpressure protection			--	
	Weight [kg]			185	
Additional equipment	Wheel clamp set consists of 4 wheel clamps	PZTC01-1	•	Load capacity Tire width Wheel size Weight	900 kg / Klammer 355 mm 12 – 19 Zoll 17 kg
	Hoisting sling set consists of 4 hoisting slings	PZLS01	•	Load capacity Length (adjustable) Width	892 kg / Hebegurt 1.3 m / 1.5 m / 1.7 m 50 mm
	Bracket for mounting on the vehicle	PZLG35B	•		
Crane connection	Flange rotator package		•	Suitable flange rotator, connecting hoses, upper suspension (UL045)	

• Standard ○ Optional -- Not available



PZTC01-1



PZLS01



PZLG35B

LIFTING ACCESSORY PACKAGE

Anyone handling loads with a loader crane daily expects safety, comfort, and efficiency. With one of our two special packages, made from components of the highest quality and durability, we fully meet these expectations.



PZ-BASIC

4 round slings 3-layer – 2 t – length 2 m
4 round slings 3-layer – 2 t – length 4 m
2 round slings 3-layer – 3 t – length 3 m
2 round slings 3-layer – 4 t – length 3 m

4 bow shackles high strength cap. 3250 kg
4 bow shackles high strength cap. 4750 kg
2 bow shackles high strength cap. 6500 kg
1 chain sling 3.55 t – 4.5 m - shortenable

PZ-PREMIUM

4 round slings 3-layer – 2 t – length 2 m
4 round slings 3-layer – 2 t – length 4 m
2 round slings 3-layer – 3 t – length 3 m
2 round slings 3-layer – 4 t – length 3 m

2 load hooks for round slings – 2 t
2 load hooks for round slings – 3 t
4 bow shackles high strength cap. 3250 kg
4 bow shackles high strength cap. 4750 kg
4 bow shackles high strength cap. 6500 kg
2 chain slings 3.55 t – 4.5 m - shortenable
2 lifting belts – 3 t – length 5 m



BARRIER LIFTER

The barrier lifter is the ideal tool for handling concrete barriers. Its mechanical clamping system with gripping jaws made of diamond carbide allows efficient one-person operation. By simply repositioning the locking pin, different clamping ranges can be adjusted. Since no oil supply is required, this system can be retrofitted to almost any crane cost-effectively.

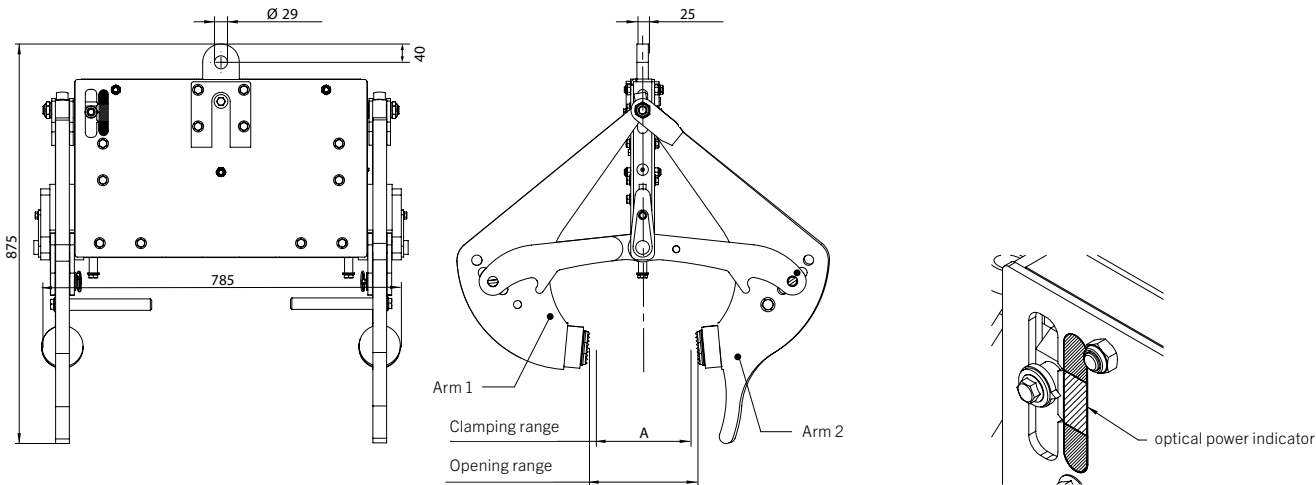


TECHNICAL DATA

PZB932-6/10

PZB932-12/14

Clamping range A	[mm]	115 – 305	295 – 395
Load capacity	[kg]	6580	6580
Weight	[kg]	162	150



MANIPULATORS

- The manipulator is ideal for lifting and positioning pipes and masts
- Agility provided by three hydraulic functions—gripping, turning, and swiveling(third hydraulic control circuit or electric changeover valve required) and an endless swivel range for efficient operation
- High payloads from 500 kg to 3000 kg
- Precise positioning thanks to the rotator with a mechanically acting, hydraulically releasable brake for rotary motion

To ensure the crane is optimally prepared for manipulator use, a technical check at our Tuning Center is recommended.



TECHNICAL DATA		PZM 500	PZM1000	PZM2000	PZM3000
At PALFINGER, we are happy to assist you in creating a complete system.					
Load capacity	[kg]	500	1000	2000	3000
Working pressure max.	[bar]	200	200	250	250
Overpressure protection		--	--	--	--
Recommended rate of flow	[l/min]	20 – 40	20 – 40	20 – 40	20 – 75
Closing force	[kN]	11	23	32	62
Number of gripper arms		1	2	4	6
Pipe diameter	[mm]*	175 – 300	100 – 300	250 – 600	250 – 600
Overall width	[mm]	785	1300	1300	2560
Swivel range		continous	continous	continous	continous
Weight	[kg]	235	310	910	1360

* Other pipe diameters are available on request.

Tubes or poles must always be grabbed at their center of gravity.

OPTIONS

Changeover valve for 3rd control circuit Separate electrical control line to the crane tip required	PZMMV (24V) PZMMV-12V (12V)	PZMMV (24V) PZMMV-12V (12V)	PZMMV (24V) PZMMV-12V (12V)	PZMMV (24V) PZMMV-12V (12V)
40° Adapter	PZMA40	PZMA40	--	--
45° Adapter	PZMA45	PZMA45	PZMA45-2	PZMA45-2



PULL-IN PARTS	PZM 500	PZM1000	PZM2000	PZM3000
	Manipulators with a payload of up to 1000 kg can be mechanically connected using the Multifunctional Adapter (MFA). See the “Multifunctional Adapter” chapter.		Pull-in parts specially adapted to the crane and manipulator are available on request.	

SPECIAL APPLICATIONS



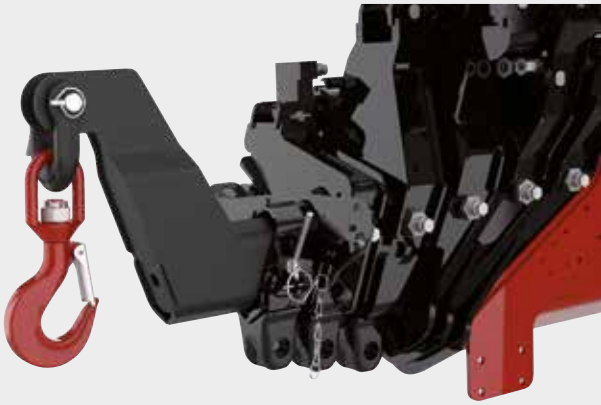
SPECIAL LOAD ATTACHMENT

Suitable for a variety of cranes, the special load suspension allows trouble-free operation in all boom positions. The shackle is included. Simple mounting on the hexagonal crane arm and the option to attach a PALFINGER rotator are additional advantages.



INSTALLATION TIP

- Load capacity up to 20 t
- Easy installation on the crane arm
- Shackle not included
- Ideal for working through windows or door openings thanks to the offset load handling point
- Installation instructions for use with other extension variants—both on the fly jib and on the crane—are available on request



CRANE TYPES	Hydraulic Extensions on the Crane							
	A	B	C	D	E	F	G	H
PK 36502 / 41002-EH / 41002-MH	KMG03645A	KMG03653A	KMG03654A					
PK 40002-EH / 42002-SH	KMG03645A	KMG03653A	KMG03654A					
PK 44502 / 48002-EH / 48002-MH	KMG03645A	KMG03653A	KMG03654A					
PK 50002-EH / 53002-SH	KMG03645A	KMG03653A	KMG03654A					
PK 56502 / 62002-EH / 62002-MH	KMG03645A	KMG03653A	KMG03654A					
PK 63002-EH / 65002-SH	KMG03645A	KMG03653A	KMG03654A					
PK 76002-EH / 78002-SH			KMG03649A					
PK 88002-EH / 92002-SH			KMG03645A		KMG03644A			
PK 100002 / 110002-SH			KMG03665A	KMG03666A		KMG03639A	KMG03638A	KMG03637A

FLY-JIB TYPES	Hydraulic Extensions on the Fly Jib							
	A	B	C	D	E	F	G	H
PJ 060	KLG003ASA	KLG010ASA						
PJ 080		KLG011ASA	KLG010ASA					
PJ 125			KLG009ASA		KLG010ASA			
PJ 170			KLG014ASA		KLG011ASA			

CRANE TYPES P-PROFILE	Hydraulic Extensions on the Fly Jib							
	A	B	C	D	E	F	G	H
PK 1050 TEC						KLG112ASA	KLG126ASA	
PK 1350 TEC			KLG123ASA				KLG112ASA	KLG126ASA
PK 1650 TEC						KLG129ASA		KLG112ASA
PK 200002L SH							KLG113ASA	



PALFINGER offers a wide range of installation tips for SLD, EH, and SH cranes. For an overview of the available variants, please scan the QR code.
(PALDESK access required)

KP-CRANETOOLSM4+EN

The shown cranes are partly equipped with optional equipment and do not always correspond to the standard version. For crane construction, country-specific regulations must be observed. Dimensions are not binding. Subject to technical changes, errors and translation errors.