

# WORKMAN BASKET CE-EN 280

The PALFINGER EN 280 workman basket was specially developed for the use on SH and TEC loader cranes. Through the use of innovative technology, your PALFINGER crane becomes an aerial work platform and thus considerably expands the field of application of 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 that complies with the EN 280 standard. This considerably simplifies the release process of the complete vehicle and saves you money. You don't know yet, if you will use workman baskets at a later stage? You can order your crane with a workman basket preparation and retrofit the workman basket if necessary – uncomplicated and without costly adaptation work.

## Advantages

- PALFINGER and TÜV approved crane and workman basket system according to the EN 280 standard
- Low dead weight for maximum reach
- Fast and ergonomic installation due to multi functional adapter (MFA)
- Protected handrail on all sides
- Safe working with the optionally available personal safety device
- Lowering in an emergency with the available emergency drive



**WARNING! The tested overall system only refers to components that are sold by PALFINGER. Successful acceptance in accordance with EN280 cannot be guaranteed if third-party components are used.**



## BB042

### Economical

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



## 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

## TECHNICAL DATA

		BB040	BB041	BB042
Load capacity	[kg]	200	140	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	[m <sup>2</sup> ]	0.98	0.6	0.98
Electrical system	[V]	24	24	24
Emergency stop		●	●	●
Quick change system		●	●	●
Toolbox		●	●	○ HX6959
Dead weight	[kg]	200	172	145

● 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 G 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 78002 SH D PJ 170											•	•	•	
PK 78002 SH E PJ 170											•	•	•	
PK 78002 SH E PJ 125											•	•	•	
PK 78002 SH F PJ 125											•	•	•	
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 PJ190													•	
PK 1050 TEC F PJ240													•	
PK 1050 TEC G PJ150													•	
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											•	•	•	•

# RETROFIT

If you would like to retrofit your SH or TEC crane with a workman basket according to EN 280, this is only possible with the preparation for a workman basket operation, offered by PALFINGER. In addition to the pull in part and the electrical preparation on the crane, the preparation also includes the necessary assembly parts for setting up an emergency drive. Only the emergency drive, a cable drum kit depending on the crane execution and the workman basket itself are necessary for retrofitting.



## EP1982

### Emergency drive (3 kW, max. 270 bar)

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

ATTENTION: The drive is exclusively designed for emergency and not for standard operation. The hydraulic and electrical connection must be made in accordance with the installation guidelines of PALFINGER. Please make sure that the specifications of the carrier vehicle are adhered to! When making electrical connections, pay attention to the appropriate cable cross-sections.



## KKF00028A

### Cable drum-Kit

If there are no hose trays mounted on the crane, the electrical supply to the workman basket must be additionally ensured with a cable drum. All necessary parts for the assembly including the cable drum itself are included in this kit.



## KMG14065A

### Connection kit workman basket and emergency unit

The EN 280 connection kit standardizes the interface between the crane, workman basket and emergency units. It is designed for both 1-circuit and 2-circuit systems, whereby 2 supply outputs with 150A each are available. In addition, 2 potential-free outputs (10A fused) are also available for individual use.

# WORKMAN BASKET PERSONAL SAFETY EQUIPMENT

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



## PZBB03

### Fall protection device (length 1.8 m) according to EN 360

- Revision-free in the whole EU
- With fall-indicator
- Especially for workman basket operation according to EN 280



## PZBB04

### Comfort security harness in H-design according to EN 361

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

# WORKMAN BASKET NON-CE

The NON-CE version of the simple and robust PALFINGER workman baskets have been especially developed for use on hydraulic loader cranes and are used exclusively in countries where the EN 280 standard is not required.

## Advantages

- Expand the range of operation of loader cranes
- The optional quick-change system allows quick 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

# MFA-L-RETROFIT P-PROFILE

You want to retrofit your existing TEC – crane with a MFA?

Here you select the MFA required for your crane version – based on the extensions on the crane or fly jib. The visual coding on MFA and its tools will help you to choose the available 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 1050 TEC	--	KMF011-BA	KMF010-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	--	KMF009-BA	KMF008-BA

FLY JIB 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

**L2** KLG052-BA

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Trouble-free working 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 already order your PALFINGER EN 280 work basket with the suitable MFA connection ex factory under the **option –P**. For any retrofits, we offer the connection console as a single part.

### Pulley heads

1,5 t

2,5 t

3,5 t

4,5 t



STRAN 1

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**L1** KUR279-BA\*

**L1** KUR232-BA\*

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STRAN 2

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**L1** KUR296-BA

**L2** KUR233-BA

**L3** KUR224-BA

STRAN 4

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Ideally, the winch application is configured 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 observed with regard to the installation of the cable winch components.

### Installation tip

2 t

3 t

**L1** KLG108-BA

**L2** KLG075-BB



On request, we can offer other models tailored 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 acc. to EN 13155 and not integrated in the overload system of the crane. The maximum permissible load that is indicated on the installation tip must not be exceeded.

### Adapter

Earth auger

**L1** KLG069-BA

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On request, we can provide you with 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 for example. As with the MFA-L, choose here the MFA required for your crane version – based on the Extension on the crane or JIB. The visual coding on MFA and its tools helps you to choose the available 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 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	--	KMF019-BA	KMF018-BA

# OPTIONS

## Load attachment



11,5 t

18 t

25 t

--

H1

KLG053-CA

H2

KLG053-BA

Trouble-free 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 already order your PALFINGER EN 280 work basket with the suitable MFA connection ex factory under the **option –P**. For any retrofits, we offer the connection console as a single part.

## Pulley heads



1,5 t

2,5 t

3,5 t

4,5 t

STRAN 1

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STRAN 2

--

H1

KUR384-BA

H1

KUR245-BA

H1

KUR246-BA

STRAN 4

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H1

KUR234-BA

H1

KUR225-BA

H2

KUR226-BA

Ideally, the winch application is configured 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 observed with regard to the installation of the cable winch components.

## Installation tip



6 t

H1

KLG077-BA

On request, we can offer other models tailored 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 acc. to EN 13155 and not integrated in the overload system of the crane. The maximum permissible load that is indicated on the installation tip must not be exceeded.

## Adapter

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

# MFA-JIB

"More reach" is probably the most requested customer requirement that reaches us. We are doing our best with the new MFA-Jib to expand your application possibilities.

In order to be able to react as flexibly as possible to any interfering edges, the MFA-JIB is equipped with manual angle adjustment as standard. Furthermore, the MFA-JIB can be ideally adapted to the crane by making use of the optional rope winch and storing solutions.

By integrating the MFA-JIB in the crane's overload protection, the MFA-JIB fully complies with the most recent release of EN12999.

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

# PJM020

## TECHNICAL DATA

### PJM020

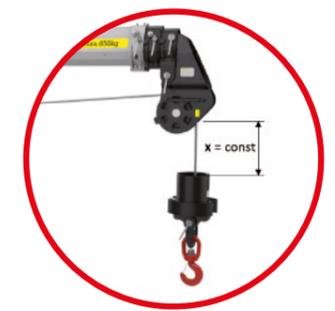
Lifting moment	[mt]	1.84
Max. reach	[m]	5.25
Max. load	[kg]	650
Painting		RAL 7001
Weight	[kg]	100
Angle adjustment unit ADJ	[°]	+20/0/-20/-40/-60



# OPTIONS



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



KMG07490A	For the cranes PK1350 TEC / PK1650 TEC
KMG13230A	For the cranes PK1050 TEC
TOOL-RACK	Transport rack for safe stowage including all winch parts



# MFA-L-RETROFIT HEXAGONAL-PROFILE



You plan to retrofit your existing EH,SH or SLD with the MFA?

Chose the suitable MFA based on the boom extensions on the crane or fly jib. The visual coding on the MFA and it's tools helps to identify suitable combinations.



CRANE TYPES	Hydraulic extensions on the crane							
	()	A	B	C	D	E	F	G
PK 5.001 SLD / PK 5.501 SLD			KMF101-BA	--	--	--	--	--
PK 7.001 SLD / PK 7.501 SLD	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--	--	--
PK 7.001K SLD / PK 7.501K SLD			--	--	--	--	--	--
PK 8.501 SLD / PK 9.501 SLD					KMF101-BA	--	--	--
PK 11.001 SLD / PK 12.501 SLD	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--
PK 13.501 SLD / PK 14.501 SLD	--				KMF103-BA	KMF102-BA	--	--
PK 13.501K SLD / PK 14.501K SLD	--	KMF106-BA	KMF105-BA	KMF104-BA	--	--	--	--
PK 17.001 SLD / PK 19.001 SLD	--				KMF103-BA	KMF102-BA	--	--
PK 21.501 SLD / PK 24.001 SLD	--				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					KMF101-BA	--	--	--
PK 11002 / PK 12002 EH / PK 12502 SH	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	KMF101-BA	--	--	--
PK 13002 / PK 14002 EH / PK 14502 SH	--						--	--
PK 16002 / PK 18002 EH / PK 18502 SH	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA	--	--
PK 19502 / PK 22002-EH	--						--	--
PK 23002 SH								
PK 23502 / PK 26002 EH	--	--	--	KMF106-BA	KMF105-BA	KMF104-BA	KMF103-BA	KMF102-BA
PK 24001 / PK 27001 EH	--	--	--					
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	--	--	--					
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	--	--	--				--	--
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

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

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	--

Due to the possibility to use certain MFA adapters on multiple crane configurations and manufacturing tolerances, different distance plates are needed to suit the MFA perfectly to the crane or fly jib.

Please note that if the MFA is ordered as equipment, no spacers are included in the scope of delivery. These must be ordered as spare parts.

## OPTIONS

### Load attachment

11,5 t

18 t

25 t

L1 KLG119-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 KLG108-BA

L2 KLG075-BB



### Adapter

Earth auger

L1 KLG069-BA



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