

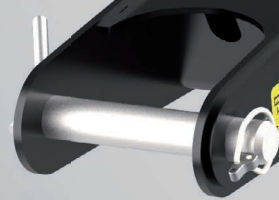
MULTIFUNCTIONAL ADAPTER

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 support this feature, as the crane can be perfectly equipped for the job. In order to facilitate the change between the various applications and to make it more ergonomic, PALFINGER has developed MFA, short for multifunctional adapter, for the TEC crane range.

The advantage for the user is the standardized interface at the crane tip. As a result, a lesser manual effort is necessary for changing attachments, which significantly increases safety, efficiency and comfort.

Advantages

- Efficient change between different tools
- Minimum effort is required when changing attachments
- Expansion of the application possibilities of the crane
- Standardized mechanical interface



MFA - LOGIC

Depending on the expected load on the MFA, two independent MFA series optimized for the application were created. The two series, MFA-L (light) and MFA-H (heavy), differ fundamentally in their design and are not compatible with each other. In order to increase user-friendliness, the selection of the correct tool or set-up state is made easier by visual coding.



MFA - LOAD ATTACHMENT

The MFA load attachment is suitable for the simple connection of hooks, rotators and other crane tools. The increased distance to the extension boom ensures trouble-free working in all arm positions.



MFA - WORKMAN BASKET

To ensure quick and easy coupling with the PALFINGER - EN280 workman baskets, the workman baskets BB040 / BB041 / BB042 are also available with the connection for the MFA.



MFA - PULLEY HEAD

Ideally, the appropriate pulley heads are ordered with the crane and the MFA. The individual components can also be ordered later. There is a variety of matching pulley heads available for the MFA, allowing easy and time-saving docking.



MFA - INSTALLATION TIP

The perfect tool for crane operations in confined spaces. Whether machine handling or the loading of goods through windows or doors – with the PALFINGER MFA mounting tip, you can expand the possible applications of your crane. As with any MFA attachment, simple and time-saving docking is possible.



MFA - JIB

The MFA-JIB is available in a fixed and a tiltable version. The use of this MFA connection increases the range of your crane and allows you to work over interfering edges and allows exceptional operations. The software function "TOOL" ensures the integration of the MFA-JIB into the electronic stability control system HPSC.

MFA-L-RETROFIT

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 28.002 TEC	KMF009-BA	KMF008-BA	KMF007-BA	KMF006-BA	KMF005-BA	KMF004-BA	KMF003-BA	--
PK 28.502 TEC								
PK 29.502 TEC								
PK 30.002 TEC								
PK 35.002 TEC								
PK 35.502 TEC								
PK 36.502 TEC	KMF010-BA	KMF009-BA	KMF008-BA	KMF007-BA	KMF006-BA	KMF005-BA	KMF004-BA	--
PK 37.002 TEC								
PK 45.002 TEC								
PK 48.002 TEC								
PK 55.002 TEC	--	--	KMF012-BA	--	KMF010-BA	KMF009-BA	KMF008-BA	KMF007-BA
PK 58.002 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	--	--	--	--	KMF001-BA	
PJ 190	--	--	--	--	KMF002-BA	
PJ 240	--	--	--	--	KMF003-BA	

* 4.5 t MFA-pulley head not allowed for this combination

OPTIONS

Load attachment

11,5 t

18 t

25 t



L1

KLK051-BA

L2

KLK052-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



L1

BB040K01-BA

L1

BB040K01-BA

L1

BB042K01-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

KLK108-BA

L2

KLK075-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

KLK069-BA

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

MFA-H-RETROFIT

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 28.002 TEC	KMF019-BA	KMF018-BA	KMF017-BA	KMF016-BA	KMF015-BA	KMF014-BA	--	--
PK 28.502 TEC								
PK 29.502 TEC								
PK 30.002 TEC								
PK 35.002 TEC								
PK 35.502 TEC	KMF020-BA	KMF019-BA	KMF018-BA	KMF017-BA	KMF016-BA	KMF015-BA	KMF014-BA	--
PK 36.502 TEC								
PK 37.002 TEC								
PK 45.002 TEC								
PK 48.002 TEC								
PK 55.002 TEC	--	--	KMF022-BA	--	KMF020-BA	KMF019-BA	KMF018-BA	KMF017-BA
PK 58.002 TEC			KMF023-BA	--	KMF021-BA	KMF020-BA	KMF019-BA	KMF018-BA
PK 135.002 TEC								
PK 165.002 TEC								

OPTIONS

Load attachment



11,5 t

18 t

25 t

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KLG053-CA



KLG053-BA

Trouble-free working in all arm positions.
For connecting hooks, rotators and other crane tools.

Workman basket connection



BB040

BB041

BB042



BB040K02-BA



BB040K02-BA



BB042K02-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

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KUR384-BA



KUR245-BA



KUR246-BA



STRAN 4

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KUR234-BA



KUR225-BA



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



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.

The main advantages of the PJM020 are more than 5 meters of additional reach and the ability to get over additional interference edges . If you equip the MFA-Jib with a pulley head, it is possible to work in winch operation mode.

The MFA-JIB is an interchangeable load handling device complies with EN 13155 and can be easily and conveniently retrofitted onto provided crane/fly jib combinations.

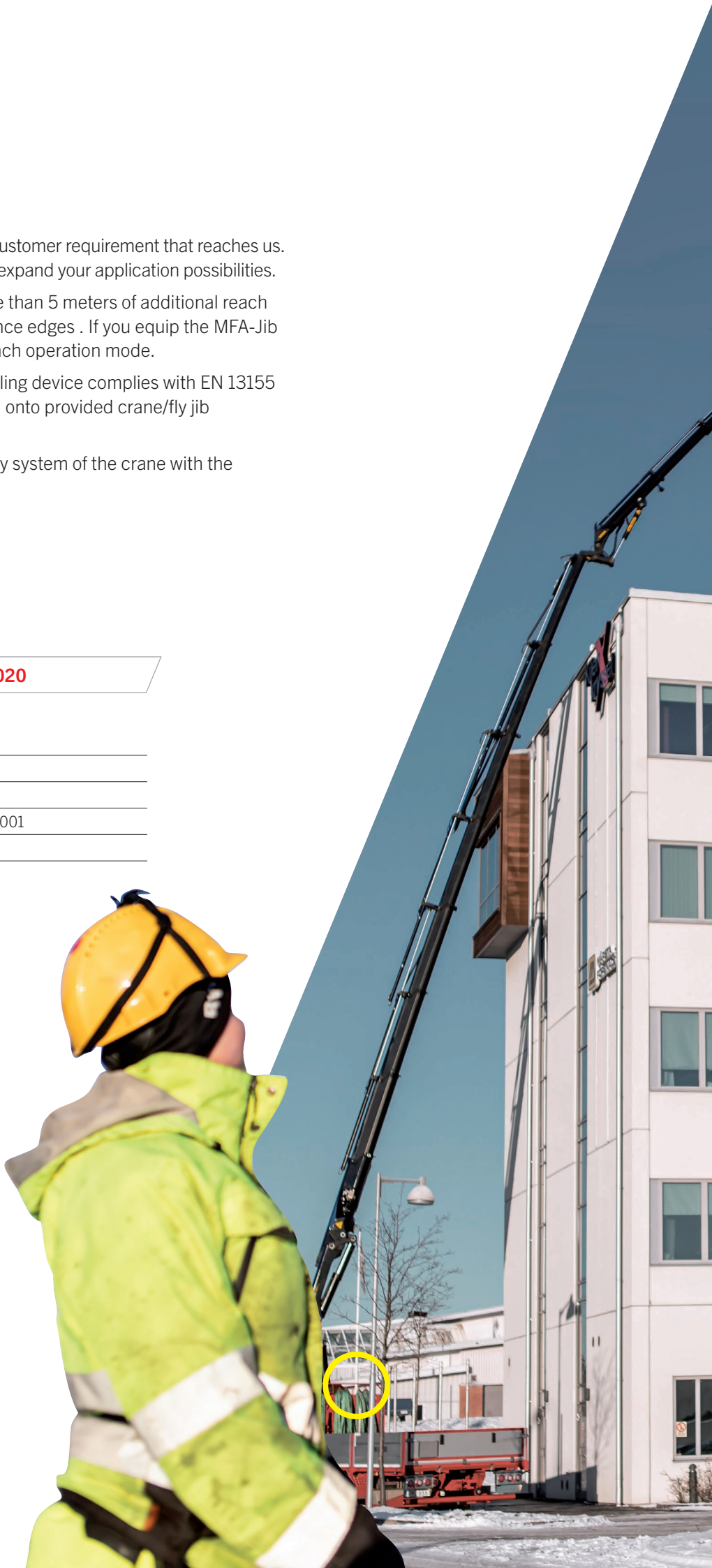
It can be integrated into the electronic stability system of the crane with the software function "TOOL".

PJM020

TECHNICAL DATA

PJM020

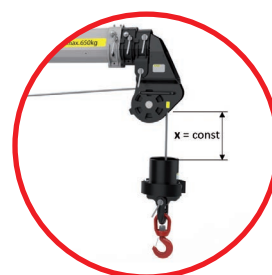
Lifting moment	[mt]	1.84
Max. reach	[m]	5.25
Max. load	[kg]	650
Painting		RAL 7001
Weight	[kg]	100





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



ADJ

manual angle adjustment
 +20° / 0° / -20° / -40° / -60°
 The optionally available angle adjustment device makes it possible to overcome interference edges for special operations.



KMG07490A

Parking console for easy, space-saving and secure storage of the MFA-JIB, above the crane base mounted crane tank. For the cranes PK 135.002 TEC / PK 165.002 TEC

TOOL-RACK

Transport rack for safe stowage including all winch parts

