

**LOADER CRANE**

# **MOUNTING ACCESSORIES**

**LIFETIME EXCELLENCE**



# OVERVIEW CONTENTS

## A - General

PALFINGER Mounting Accessories	04 - 05
PALFINGER Installation Packages	06 - 07

## B - Hydraulics

Hydraulics	08 - 09
Load Sensing Pumps	10 - 11
Fixed Displacement Pumps Single Flow	12 - 13
Fixed Displacement Pumps Double Flow	14 - 15
Accessories for Pumps	16 - 17
Oil Tank	18 - 19
Oil Cooler	20 - 21
Stationary Hydraulic Aggregates	22 - 23
Hybrid Drive   Emergency Powerpack for Workman Basket	24 - 25

## C - Stabilizers

Additional Stabilizers	26 - 27
Additional Stabilizers - Configuration Possibilities	28 - 31
Additional Stabilizers - Dimensions and Weights	32
Control Valves	33
Front Stabilizers & Frame Stabilizers	33
Front Stabilizer Kits	34 - 35
Front Stabilizer Kits - Technical Data	36
Stabilizer Pads & Transport Boxes	37

## D - PC-Crane

Stabilizers PC-Crane – Configuration Possibilities and Dimensions	38 - 39
Powerpacks for PC-Cranes	40 - 41

## E - Mounting Accessories

PALFINGER Standard Subframes	42
Factory Mounting, Downloads	43
Mounting Bolts	44 - 45
Toolboxes	46 - 47
Mudguards	48 - 49
Rear Demountable Brackets	50
Wiring Harness	51
Lateral Protection Devices	52
Accessories for High Stand, Miscellaneous	53
Lighting Components	54 - 55



# PALFINGER MOUNTING ACCESSORIES

## A ONE-STOP SERVICE

At PALFINGER, we ensure that our lifting solutions deliver the promised performance at the highest possible security level. For this reason, the entire system - consisting of the crane, truck, subframe and hydraulic system - is decisive.

For this reason, PALFINGER offers a wide range of equipment to ensure the usual high levels of availability, serviceability and lifting performance.

Our one-stop service means that you can get everything you need for your mounting project from PALFINGER - quickly, easily and perfectly matched.



High complexity and seasonal fluctuations form the core of any mounting business. To support our partners in overcoming their daily challenges, we want to provide them with the necessary tools, such as software for project planning, as well as tested components, body kits and complete vehicles.

We are pleased to offer you the following services:



### INSTALLATION PACKAGES

Use PALFINGER as flexibly as you require. We are happy to offer a wide range of services, including single components, assembly kits, raw installations and complete vehicles.



### HYDRAULIC COMPONENTS

Our pumps, tanks and oil coolers are perfectly matched to our products and have to pass strict tests to ensure longevity and cleanliness. These are the key parameters for avoiding expensive consequential damage.



### STABILIZERS

PALFINGER is the only crane manufacturer to offer a complete range of additional stabilisers, complete front stabiliser kits for the most popular European truck manufacturers, as well as universally applicable stabilisers.



### MOUNTING ACCESSORIES

From individual subframes and proven additional stabilizers to tool boxes, we have invested a lot of time and energy to deliver components in approved PALFINGER quality.



### SERVICE CONTRACTS

To optimise 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.



### SERVICE AND TECHNICAL SUPPORT

PALFINGER provides an extensive service network. Our service partners and licensed workshops have highly trained employees who can provide quick assistance whenever needed.



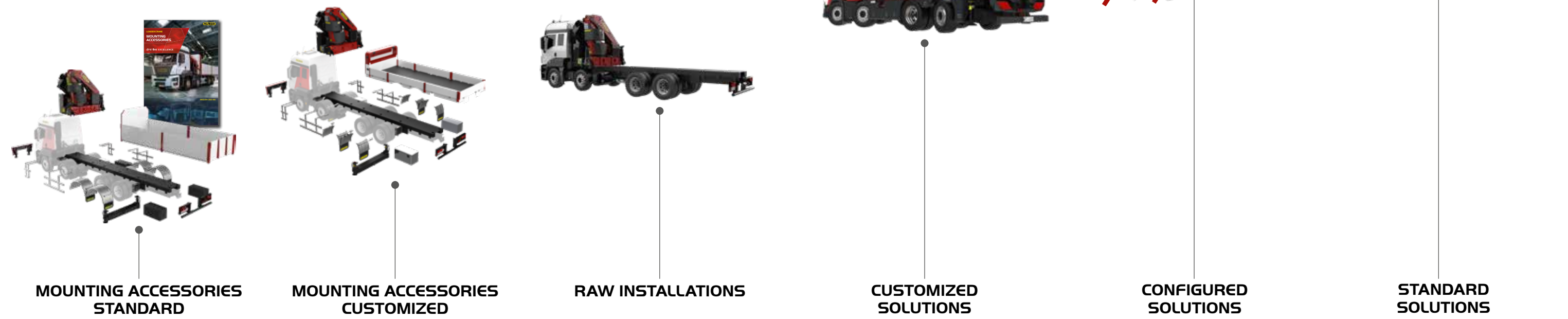
### SPARE PARTS SUPPLY

Several spare parts centres worldwide guarantee the seamless supply of spare parts. All original PALFINGER spare parts are tested and comply with the company's quality standard.

# INSTALLATION PACKAGES

## THE RIGHT PACKAGE FOR EVERY PARTNER

The target is to support our partners on an individual basis in case of capacity peaks, special projects, components that are not feasible to their production facilities, etc. We can help you out with products and services along the entire value chain of your mounting project – of course in highest quality and developed with most modern engineering methods.



## PALFINGER EMEA INSTALLATION ROADMAP

**EASY PROCESSES & HANDLING**

PALFINGER installations come in an easy and transparent process. You know what you will get - straight from the beginning.

**CUSTOMER FOCUS**

Meeting your individual requirements and wishes is our key to success.

**TECHNICAL ADVANTAGE & BEST PRACTICE SOLUTION**

With our broad experience and our industrial background we offer highend quality and the best concepts.

**FINANCIAL BENEFIT – READY TO OPERATE**

Less complexity brings more earnings for the dealer. With our customized, configured and standard approach we supply your truck in the shortest possible lead time.

**DEALER NETWORK SUPPORT – LOCAL SUPPORT AND OPTIMIZED SERVICE**

Our local partners secure your usual customer experience: Sales, Bodybuilding and After Sales incl. the carrier chassis.

Further information concerning the PALFINGER installation packages may be found in the brochure "Product range installation - From mounting accessories to standardized solutions."







# HYDRAULICS

The hydraulic system is the heart of every loader crane and must meet the highest standards. PALFINGER provides a comprehensive portfolio of hydraulic components to deliver optimal hydraulic performance for your loader crane.

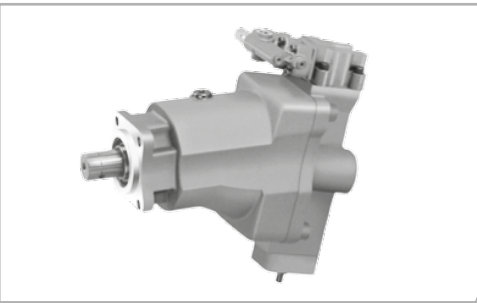
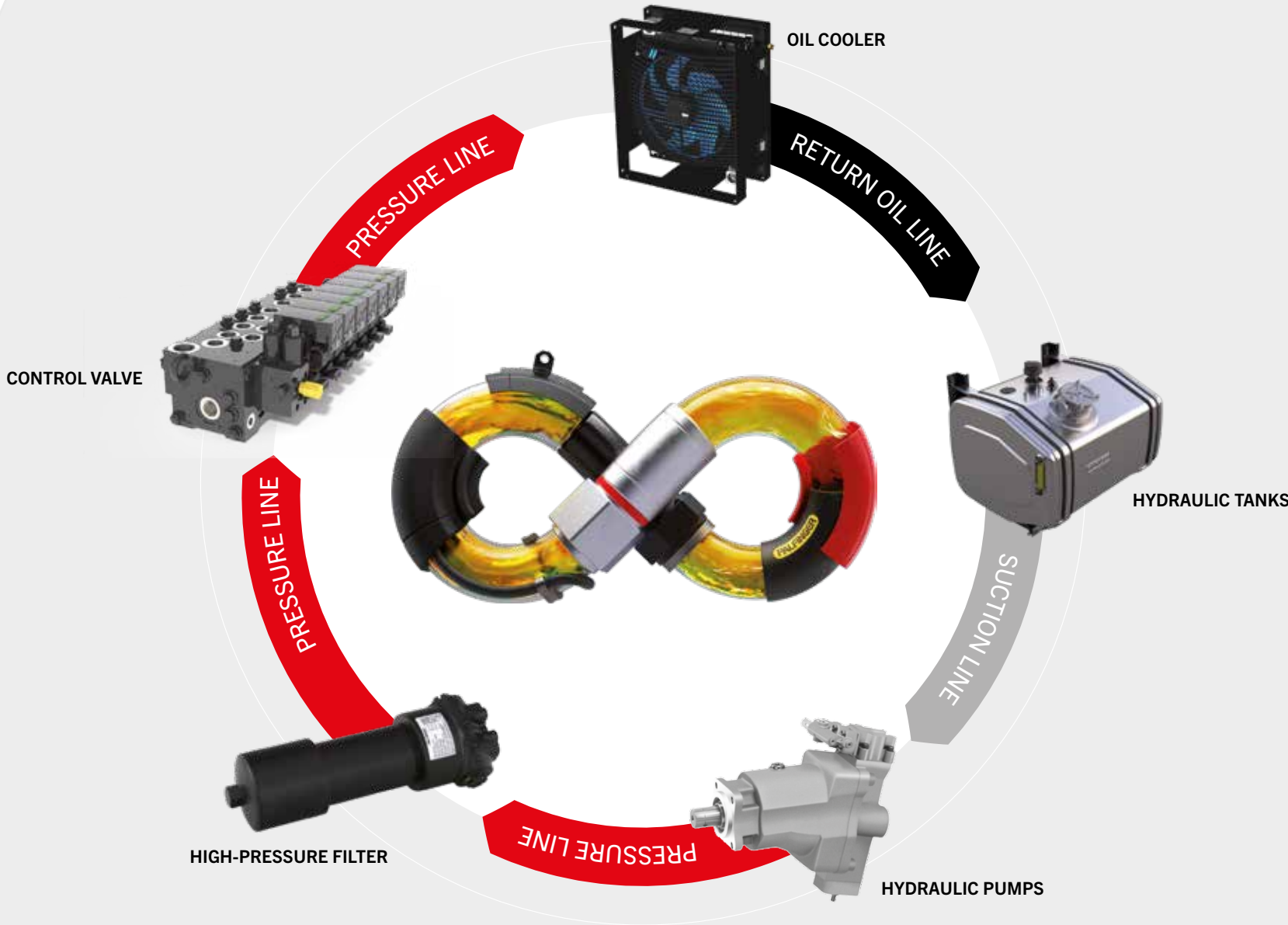
For high-performance, energy-efficient operation, it is essential to follow the PALFINGER installation guidelines and correctly size all hydraulic components for the installation. Beyond the control valves, hydraulic filters, and PALFINGER hydraulic oil integrated into the loader crane, the right pump, tank size, and oil cooler are critical to optimal performance. To support this, our body builder network now has access to a new PALDESK application, complementing the existing PAC Online platform.



Hydraulic Drive Calculation



With the new web application “Hydraulic Drive Calculation” (HDC), we offer our users a universally applicable tool for quick and easy calculations, enabling them to calculate products quickly and easily based on familiar processes.



## HYDRAULIC PUMPS

PALFINGER works exclusively with renowned, long-standing partners. The pumps are precisely matched to the requirements of the loading crane, ensuring maximum performance, efficiency, and a long service life.

## LOAD SENSING PUMPS

With variable displacement pumps, you can operate your crane even more efficiently and save money in the long term. The perfect variable displacement pumps, tailored to the PALFINGER product, stand out for their superior product quality and energy efficiency.

**BEST INVEST**

- Fuel savings based on tests between 6% and 22%.
- Precise crane control
- Reduced noise and emissions

**CALCULATE NOW!**

% Fuel savings (6%–22%)

X Fuel consumption during crane operation

X Annual crane operating hours

X Fuel price per liter

=

**ANNUAL SAVINGS**



## HYDRAULIC TANK

Due to installation-specific requirements, it is not always possible to mount the tank directly on the crane. In such cases, steel or aluminium tanks are used, which are mounted on the vehicle frame.



## OIL COOLER

During intensive use of the loader crane, the hydraulic oil heats up significantly, loses viscosity, and causes a loss of performance as well as increased wear. An oil cooler keeps the hydraulic oil cool, maintains its optimal properties, and thus protects the hydraulic components from premature wear.



## LUBRICANTS







Achieve maximum service life and increase the performance of your equipment with PALFINGER hydraulic and transmission oils. We offer an oil portfolio perfectly matched to PALFINGER products and their applications.



# LOAD SENSING PUMPS

PALFINGER load sensing pumps allow you to operate your crane efficiently and save money in the long term. The highest quality and efficiency rates are standard with our PALFINGER load sensing pumps.

- Most load sensing pumps are designed for operating pressures of up to 400 bar.
- PALFINGER warranty and service.
- Each pump is supplied with a suitable suction connection.
- Collaboration with well-known manufacturers ensures a longer and easier working life with PALFINGER products.

		Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Tipping Moment [Nm]	Dead Weight [kg]	L x W x H [mm]	Rotation direction left	Rotation direction right	Power regulator	Drive through shaft	Suction Connection incl. in Kit	Article Number Pump kit
<div> </div> <ul style="list-style-type: none"><li>• Highest performance efficiency</li><li>• Bent axis design</li><li>• Low noise emission thanks to the bent axis design</li><li>• By means of the adjusting screw the maximum displacement volume can be adjusted</li></ul>	REXROTH	55	2500	400	305	21	16	266 x 110 x 304	•	•			EA1288	EP 653HD EP 654HD
		80	2240	400	446	32	21	288 x 117 x 325	•	•			EA1290	EP 651HD EP 652HD
		107	2150	400	596	41	25	309 x 124 x 342	•	•			EA1290-45	EP 649HD EP 650HD
<div> </div> <ul style="list-style-type: none"><li>• Its compact design allows it to be installed on most vehicles.</li><li>• 130 l with exchangeable rotation direction</li><li>• A huge variety of different flow rates are available.</li><li>• The maximum displacement volume can be adjusted using the adjusting screw.</li></ul> <p>* Optimum response behavior - specially designed for Timber &amp; Recycling Cranes</p>	HYDRO LEDUC	40	3000	400	225	34	26	276 x 125 x 248	•	•			EA1867	EP1923R EP1923L
		60	2600	400	335	34	26	276 x 125 x 248	•	•			EA1867	EP 768R EP 768L
		75	2000	400	420	34	26	276 x 125 x 248	•	•			EA1867	EP 769R EP 769L
		85	1900	400	730	47.4	31.1	266 x 125 x 269		•		•	EA1867	EP1926DR-085
		92	1900	400	515	34	26	276 x 125 x 248	•	•			EA1867-60	EP 770R EP 770L
		110	1900	400	730	47.4	31.1	266 x 125 x 269		•		•	EA1987	EP1926DR-110
		120	2100	400	675	34	26	276 x 125 x 248	•	•			EA1867-60	EP 945R EP 945L
		130	1750	365	730	42	29.3	328 x 127 x 282	•	•			EA5871	EP1926U EP1926R* EP1926L*
		130	1900	365	730	47.4	31.1	328 x 127 x 282	•	•		•	EA1987	EP1926DR EP1926DL
		150	2000	350	840	38.6	28	266 x 127 x 277	•	•			EA6204	EP 150R* EP 150L*
<div> </div> <ul style="list-style-type: none"><li>• Its compact design allows it to be installed on most vehicles.</li><li>• High hydraulic efficiency</li><li>• A selection of INLINE load-sensing pumps are available with power limitation or drive through shaft.</li><li>• The maximum displacement volume can be adjusted by means of the adjusting screw.</li><li>• Requires a 1/2" leaking oil connection</li></ul>	INLINE	60	2500	400	530	30	24	254 x 115 x 235		• • •	•	•	EA6352	EP2169 EP2169TR EP2169DR
		60	2500	400	530	30	24	254 x 115 x 235	• • •		•	•	EA6352	EP2173 EP2173TL EP2173DL
		90	2300	400	600	35.5	27	278 x 120 x 248		• •	•		EA6355	EP2170 EP2170TR
		90	2300	400	600	35.5	27	278 x 120 x 248	• •		•		EA6355	EP2174 EP2174TL
		110	2200	400	680	40	28.5	280 x 127 x 255		• •	•		EA6355	EP2171 EP2171TR
		110	2200	400	680	40	28.5	280 x 127 x 255	• •		•		EA6355	EP2175 EP2175TL
		130	2100	400	700	40	30.6	270 x 130 x 289		• •	• •	•	EA6358	EP2172 EP2172DR
		130	2100	400	700	40	30.6	270 x 130 x 289	• •		• •	•	EA6358	EP2176 EP2176DL








All PALFINGER load-sensing pumps are factory-preset to an operating pressure of 200 bar and a LS pressure of 30 bar. They must be set according to the requirements of the crane during installation.

More detailed technical data can be found on PALDESK/Equipment

# FIXED DISPLACEMENT PUMPS SINGLE FLOW

All PALFINGER fixed displacement pumps are ideally suited to PALFINGER products and are supplied with the correct suction connection.

- All fixed pumps are designed for operating pressures of up to 400 bar.
- PALFINGER warranty & service
- Each pump is supplied with a suitable suction connection.
- Bypass valves optionally available (catalogue page 16)
- Collaboration with well-known manufacturers ensures a longer and easier working life with PALFINGER products.

		Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Tipping Moment [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	Suction Connection incl. in Kit	Article Number Pump kit
<div><ul style="list-style-type: none"><li>• Universal rotation direction</li><li>• Lightweight design thanks to aluminum casing</li><li>• Low noise level due to sound-optimised design</li></ul></div>	REXROTH	23	3050	400	127	4.7	5.9	185 x 107 x 161	•	•	EA1287	EP 340
		32	2750	400	178	4.7	5.9	185 x 107 x 161	•	•	EA1287	EP 341
		46	2650	400	254	8.6	8.4	223 x 108 x 182	•	•	EA1288	EP 342
		63	2200	400	351	9.9	9.3	261 x 124 x 208	•	•	EA2111	EP 344
		81	2150	400	448	15.3	12.3	245 x 114 x 201	•	•	EA1290	EP 345
		107	2000	400	594	20	15	272 x 129 x 223	•	•	EA1710	EP 346
<div><p>Bent axis pump</p><ul style="list-style-type: none"><li>• Universal rotation direction</li><li>• Robust steel casing</li><li>• Reinforced seals</li></ul><p>In-line pump <sup>1)</sup></p><ul style="list-style-type: none"><li>• Universal rotation direction</li><li>• Compact design</li><li>• Complete packages incl. suction hose, hose clamps, pressure hose, etc. available (P)</li></ul></div>	HYDRO LEDUC	12	3150	400	76	9.17	9.65	197 x 108 x 160	•	•	EA1992	EP1394A
		18	2900	400	114	9.21	9.7	197 x 108 x 160	•	•	EA1992	EP1395A
		25	2750	400	159	9.26	9.75	197 x 108 x 160	•	•	EA1992	EP1396A
		25	2200	400	177	17	15	315 x 107 x 130	• •	• •	EA1731	EP 549 <sup>1)</sup> EP 549P <sup>1)</sup>
		32	2700	400	204	11.55	11.55	203 x 108 x 166	•	•	EA1992	EP1397A
		34	2000	400	240	17	15	315 x 107 x 130	• •	• •	EA1731	EP 550 <sup>1)</sup> EP 550P <sup>1)</sup>
		41	2550	400	380	11.6	11.6	203 x 108 x 166	•	•	EA1992	EP1398A
		43	1750	400	304	17	15	315 x 107 x 130	• •	• •	EA1731	EP 551 <sup>1)</sup> EP 551P <sup>1)</sup>
		50	2450	400	318	12.23	11.65	215 x 108 x 175	•	•	EA1992	EP1399A
		50	1650	400	354	17	15	315 x 107 x 130	• •	• •	EA1867	EP 552 <sup>1)</sup> EP 552P <sup>1)</sup>
		63	2300	400	401	12.28	11,7	215 x 108 x 175	•	•	EA1992	EP1400A
		65	1500	400	460	17.6	16	300 x 107 x 130	• •	• •	EA1867	EP 553 <sup>1)</sup> EP 553P <sup>1)</sup>
		80	2150	400	509	18.36	15.5	242 x 123 x 190	•	•	EA1992	EP1401A
		78	1350	400	552	21.3	17	303 x 107 x 130	• •	• •	EA1867	EP 554 <sup>1)</sup> EP 554P <sup>1)</sup>
		108	1900	400	687	18.48	15.4	242 x 123 x 190	•	•	EA1993	EP1402A
		114	1350	400	807	31.5	23.5	345 x 124 x 135	•	•	EA2148	EP 555 <sup>1)</sup>
		130	1750	400	827	19.28	15.8	244 x 123 x 192	•	•	EA1993	EP1403A
<div><ul style="list-style-type: none"><li>• High hydraulic efficiency</li><li>• Bent axis design</li></ul></div>	PARKER	25	2200	400	163	7.1	8.5	206 x 108 x 188	•	•	EA6355	EP 658R EP 658L
		41	2100	400	260	7.1	8.5	206 x 108 x 188	•	•	EA6355	EP 659R EP 659L
		51	900	400	324	7.1	8.5	206 x 108 x 188	•	•	EA6355	EP 660R EP 660L
		61	1900	400	378	7.1	8.5	206 x 108 x 188	•	•	EA6358	EP 661R EP 661L
		81	1750	400	518	14.6	12.5	259 x 118 x 259	•	•	EA6358	EP 662R EP 662L
		101	1550	400	653	14.6	12.5	259 x 118 x 259	•	•	EA1845-45	EP 663R EP 663L

More detailed technical data can be found on PALDESK/Equipment

# FIXED DISPLACEMENT PUMPS DOUBLE FLOW


All PALFINGER fixed displacement pumps are ideally suited to PALFINGER products and are supplied with the correct suction connection.

- PALFINGER warranty & service
- Collaboration with well-known manufacturers ensures a longer and easier working life for PALFINGER products.
- Every pump is delivered in a package with a suitable suction connection
- Bypass valves optionally available (catalogue page 16)

		Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Tipping Moment [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	Suction Connection incl. in Kit	Article Number Pump kit
 <ul style="list-style-type: none"><li>• Universal rotation direction</li><li>• Compact design</li><li>• Designed for a continuous operating pressure of 350 bar and a peak pressure of 400 bar.</li></ul>	HYDRO LEDUC	39/39	1350	350	552	21.3	23,5	345 x 124 x 159	•	•	EA1867	EP 582
		52/52	1400	350	736	31.5	23,5	345 x124 x 159	•	•	EA2148	EP 583
		57/57	1350	350	807	31.5	23,5	345x 124 x 159	•	•	EA2148	EP 556
		75/75	1350	350	1062	38.7	28	302 x 124 x 162,5	•	•	EA2148	EP 502
		75/40	1350	350	807	38.7	27,4	287 x 124 x 167,5	•	•	EA2148	EP1158
 <ul style="list-style-type: none"><li>• Low weight</li><li>• High hydraulic efficiency</li><li>• Designed for a continuous operating pressure of 350 bar and a peak pressure of 400 bar.</li></ul>	PARKER	42/42	1800	350	163	22.2	19	277 x 148 x 213	•	•	EA1845	EP2185 EP2186
		53/53	1800	350	260	22.2	19	277 x 148 x 213	•	•	EA6532	EP 410 EP 411
		55/28	1800	350	324	22.2	19	277 x 148 x 213	•	•	EA1845	EP2187 EP2188
		70/35	1800	350	378	22.2	19	277 x 148 x 213	•	•	EA6532	EP 318 EP 701
		70/70	1650	350	518	22.2	19	277 x 148 x 213	•	•	EA6532	EP 984R EP 984L

# NOISE-REDUCED PUMPS

The ideal noise-reduced fixed displacement pumps for PALFINGER loader cranes, as well as for Hook & Skip loaders in combination with alternative driven trucks.

		Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Tipping Moment [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	Adapter DIN ISO	Article Number Pump kit
 <ul style="list-style-type: none"><li>• Excellent price-performance ratio</li><li>• Significantly reduced noise emissions</li></ul>	HYDRO LEDUC	41.2	2800	400	264	11.2	11	290 x 108 x 166		•	-	EP2744
 <ul style="list-style-type: none"><li>• Lowest noise emission</li></ul>	BUCHER hydraulics	47.9	3000	450	---	---	22	290 x 214 x 214		•	EA6913	EP2766



# ACCESSORIES FOR PUMPS

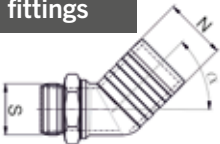
With original accessories from our pump manufacturers, we ensure efficient and safe operation of your equipment.

## GENERAL

Suction hoses	Code	Nominal size [mm]	Length [mm]
	EH4720	38	1700
	EH4721	50	1700
	EH4722	60	1700

### Dimensions suction fittings

Suction connection S  
Nominal inner Ø N  
Version α



## BYPASS VALVES

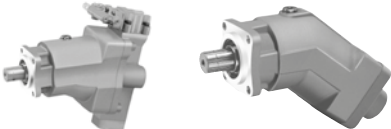


For bent axis fixed displacement pumps mounted on a non-disconnectable PTO:  
Allows a continuous pump speed, No heat development in the hydraulic circuit, No impairment of the pump life, No modification required on the vehicles hydraulic system

Manufacturer	Code	Fits on pump	Info
REXROTH	EV8393	EP 344	Deutsch connector
	EV8394	EP 345	Deutsch connector
	EV8395	EP 346	Deutsch connector
PARKER	EV8794-24V	EP 658 L/R, EP 659 L/R, EP 660 L/R, EP 661 L/R	Deutsch connector, with manual override
	EV8795-24V	EP 662 L/R, EP 663L/R	Deutsch connector, with manual override
	EV8796-24V	EP 658 L/R, EP 659 L/R, EP 660 L/R, EP 661 L/R	Deutsch connector
	EV8797-24V	EP 662 L/R, EP 663 L/R	Deutsch connector
	EV8798-24V	EP2185 / EP2186, EP 410 / EP 411, EP 984 L/R	Deutsch connector, with manual override
	EV8799-24V	EP 318, EP 701, EP2187 / EP2188	Deutsch connector
HYDRO LEDUC	EV5183A	up to 65 l/min	Deutsch connector
	EV5184C	over 65 l/min	Deutsch connector

## REXROTH

Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code		
			0°	45°	90°
Fixed and load sensing pumps	3/4 "	39	EA1287	EA1287-45	EA1287-90
	1 "	39	EA1288	EA1288-45	EA1288-90
	1 "	51	EA2111	EA2111-45	
	1 1/4 "	51	EA1290	EA1290-45	EA1290-90
	1 1/4 "	63	EA1710	EA1710-45	



## INLINE

Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code		
			0°	45°	90°
Load sensing pump (R/L)	2 "	50	EA6352	EA6353	EA6354
	2 1/2 "	64	EA6355	EA6356	EA6357
	3 "	76	EA6358	EA6359	



## PARKER

Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code		
			0°	45°	90°
Fixed displacement pump Single flow	1 1/2 "	38	EA1843	EA1843-45	EA1843-90
	1 3/4 "	48	EA1847	EA1847-45	EA1847-90
	2 "	50	EA1844	EA1844-45	EA1844-90
	2 1/2 "	63	EA1845	EA1845-45	
Fixed displacement pump Double flow	2 1/2 "	63	EA1845	EA1845-45	
	3 "	76	EA6532		



## HYDRO LEDUC

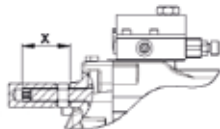
Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code		
			0°	45°	90°
Fixed displacement pump Bent axis	1 1/2 "	39.1		EA1991	EA1991-90
	2 "	51.8		EA1992	EA1992-90
	2 1/2 "	64.5		EA1993	EA1993-90
Fixed displacement pump Single flow	1 1/2 "	40	EA1731		
	1 1/2 "	50	EA1867		
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63.5	EA1867-63		
	1 1/2 "	76.2	EA1987		
* Not available for EP 553 and EP 554	2 " *	50	EA2148		
Fixed displacement pump Double flow	1 1/2 "	40	EA1731		
	1 1/2 "	50	EA1867		
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63.5	EA1867-63		
	1 1/2 "	76.2	EA1987		
	2 "	50	EA2148		
	2 "	60	EA2110		
Load sensing pump (U)	1 1/2 "	40	EA1731		EA5869
	1 1/2 "	50	EA1867		EA1900
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63.5	EA1867-63		EA6206
Load sensing pump (U) (U = Universal rotation direction)	SAE	50	EA6203		
	SAE	60	EA5871		EA6205
	SAE	76.2	EA6204		



### Setting screw

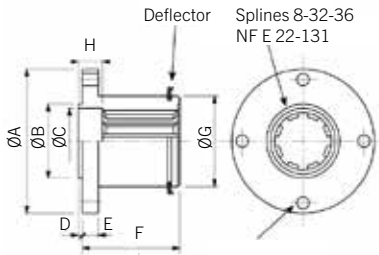
### Code

For EP1926U and EP 150 L/R	ES4006
For the others excl. EP 945R/L	ES2546



For setting of the max. oil flow at LEDUC load sensing pump

DIN 90	4 holes Ø 8,5 on Ø 74,5
DIN 100	4 holes Ø 10,5 on Ø 84



Dimensions in mm.

Coupling flange	Code	Type	Ø A	Ø B	C	D	E	F	Ø G	H
For direct mounting onto the cardan shaft	EA2065	DIN 90	90	47	43	2	10	62	55	15
	EA2066	DIN 100	100	57	43	2	10	64	55	15

Please consider the max. torque of the drive shaft. Dimensions in [mm]

OIL TANK

PALFINGER offers oil tanks that are perfectly suited to the crane line-up. In addition to their essential technical advantages, the tanks offer an ideal price-performance ratio. Whether aluminium or steel, we support PALFINGER partners with qualitative and cost-effective mounting.

- Perfectly adapted to the requirements of the PALFINGER loader and timber & recycling cranes
- A complex individual cleaning process ensures the best possible safety against pollution of the hydraulic system.
- Maximum oil saturation thanks to integrated baffle plates and generously sized suction connections
- Prepared for the PALFINGER oil sensor



OIL TANK ACCESSORIES	CODE	DIMENSION	INFO
Suction fitting for mounting of a shut-off cock	EA2102	2" - DN 60mm	
Shut-off cock	EA1390 EV4512	1 1/4" - DN 38mm 2" - DN 50mm	KTk001-BA, KTk021-BA KTk002-BA - KTk007-BA, KTk063-BB - KTk065-BB
Angle piece	EA1818 EA1817	1 1/4", 90° 2", 90°	KTk001-BA, KTk021-BA KTk002-BA - KTk007-BA, KTk063-BB - KTk065-BB
Screw connection sleeve	EA1901	2", L=70mm	KTk002-BA - KTk007-BA, KTk063-BB - KTk065-BB
Oil level and temperature sensure (only in combination with PALTRONIC 150 & 180)	EEA6327A EEA6328A EEA6331A	L=410mm L=510mm L=1055mm	KTk001-BA, KTk021-BA, KTk063-BB - KTk069-BB KTk002-BA-KTk005-BA KTk007-BA

- Screwable bracket for different vehicle types
- Centrally positioned breath filter
- New level indicator for optimised filling volume and better visibility
- Oil temperature gauge separate from the level indicator
- Centrally positioned return oil filter



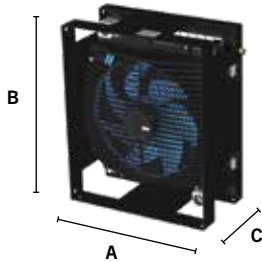
- Excellent price-performance ratio
- Optimised corrosion-resistant coating
- Centrally positioned breath filter
- All necessary connections for optimum connection to the PALFINGER crane
- PALFINGER return oil filter
- Universal steel mounting brackets included

TECHNICAL DATA		ALUMINIUM OIL TANK	STEEL OIL TANK
0 - 75 liter	Article number	KTk063-BB	UT032*
	Tank volume [l]	75	20
100 liter	Dimensions L x W x H [mm]	300 x 700 x 670	474 x 250 x 255
	Dead weight [kg]	27	10
140 liter	Connections	S=1x2"; R=60l/min; L=2x3/8"; D=1x3/4"	S = 1/2"; R=20l/min
	Article number	KTk064-BB	KTk017-BA*
200 liter	Tank volume [l]	100	45
	Dimensions L x W x H [mm]	400 x 700 x 680	528 x 435 x 429
250 liter	Dead weight [kg]	34	23
	Connections	S=2x2"; R=60l/min; L = 2x3/8"; D = 1x3/4"	S = 2x1 1/4"; R=80l/min; L=1x
300 liter	Article number	KTk065-BB	KTk021-BA
	Tank volume [l]	140	100
400 liter	Dimensions L x W x H [mm]	580 x 700 x 680	727 x 440 x 555
	Dead weight [kg]	39	45
	Connections	S=2x2"; R=180l/min; L = 4x3/8"; D=1x3/4"	S=2x1 1/4"; R=80l/min; L=2x3/8"; D=1"
	Article number	KTk066-BB	KTk002-BA
	Tank volume [l]	200	140
	Dimensions L x W x H [mm]	820 x 700 x 680	554 x 702 x 660
	Dead weight [kg]	43	59
	Connections	S=2x3"; R=180l/min; L = 4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L=4x3/8"; D=1"
	Article number	KTk067-BB	KTk003-BA
	Tank volume [l]	250	200
	Dimensions L x W x H [mm]	1020 x 700 x 680	749 x 702 x 660
	Dead weight [kg]	47	62
	Connections	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L=4x3/8"; D=1"
	Article number	KTk068-BB	
	Tank volume [l]	300	
	Dimensions L x W x H [mm]	1210 x 700 x 680	
	Dead weight [kg]	53	
	Connections	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"	
	Article number	KTk069-BB	KTk004-BA
	Tank volume [l]	400	300
	Dimensions L x W x H [mm]	1610 x 700 x 680	1054 x 702 x 660
	Dead weight [kg]	70	77
	Connections	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L= 4x3/8"; D=1"
	Article number		KTk005-BA
	Tank volume [l]		400
	Dimensions L x W x H [mm]		1477 x 702 x 660
	Dead weight [kg]		98
	Connections		S=2x2"; R=180l/min; L=4x3/8"; D=1"

S = Suction line  
R = Return filter  
L = Leakage oil connection  
D = Oil drain opening  
\* = Without preparation for PALFINGER oil sensor

# OIL COOLER

PALFINGER offers a wide range of additional oil coolers. Using an additional oil cooler, ensures an ideal oil temperature throughout the operation, increasing the lifespan of the hydraulic fluid and components. Special flushing procedures during the manufacturing process ensure optimum system cleanliness for all oil coolers.



## STRONG ARGUMENTS

- ASA RAIL
- Highest product quality
  - Flexible connection possibilities facilitate individual mounting of the oil cooler.
  - The avoidance of threads on the oil cooler ensures an optimal system cleanliness.
  - Easier mounting based on selectable flow type (diagonal and U-flow).
  - All ASA-RAIL oil coolers are delivered with patented ASA shock absorbers that provide long-term optimal absorption during extended operating periods.
  - Temperature sensor with improved protection class (IP69K)
  - Protected against polarity, overvoltage and temperature-dependent oil cooler speed



For correct dimensioning, please use the calculation on page 8.

## TECHNICAL DATA

	Cooling Capacity [kW]*	Voltage [V]	Current [A]	Max. Oil Flow at 30 cst [l/min]	Protection Class	Temperature Range [°C]	Protection Case	Dead Weight [kg]	Dimensions A x B x C [mm]	Article Number
ASA RAIL	7.2	12	15	20 - 150	IP67	44 - 55	-	8.5	320 x 382 x 176	EP2055+00004
	7.2	24	9	20 - 150	IP67	44 - 55	-	8.5	320 x 382 x 176	EP2055+00003
	7.6	12	16	20 - 150	IP67	44 - 55	●	14.1	334 x 425 x 250	BKA64-12V
	7.6	24	8	20 - 150	IP67	44 - 55	●	14.1	334 x 425 x 250	BKA64-24V
	10.4	12	19	20 - 150	IP67	44 - 55	●	20.2	410 x 465 x 240	BKA65-12V
	10.4	24	11	20 - 150	IP67	44 - 55	●	20.2	410 x 465 x 240	BKA65-24V
	10.4	12	19	20 - 150	IP67	44 - 55	-	11.5	400 x 457 x 202	BKA63-12V
	10.4	24	11	20 - 150	IP67	44 - 55	-	11.5	400 x 457 x 202	BKA63-24V
	10.4	12	19	20 - 150	IP69 K	44 - 55	-	10.9	425 x 383 x 177	EP2074+00002
	10.4	24	11	20 - 150	IP69 K	44 - 55	-	10.9	425 x 383 x 177	EP2074+00001
	15.6	12	19	20 - 200	IP67	44 - 55	●	30.3	490 x 590 x 260	BKA66-12V
	15.6	24	10	20 - 200	IP67	44 - 55	●	30.3	490 x 590 x 260	BKA66-24V
ASA HYDRAULIK	15.6	24	11	20 - 150	IP68	44 - 55	●	36.5	540 x 465 x 226	EP2801
	15.6	24	9,3	20 - 150	IP65	44 - 55	-	23	540 x 465 x 226	BKA34

\* ΔT = 40°C / Q = 100 l/min  
● standard  
- not available



# STATIONARY HYDRAULIC AGGREGATES

With our stationary hydraulic aggregates, we offer an optimal solution for the application of our loader cranes and timber cranes in stationary-based operation.

By adapting these units to the specific requirements of our cranes, we can guarantee a simple and efficient electro-hydraulic crane drive.

Thanks to the integrated power controller, high working pressures (up to 400 bar) and high litre volumes (up to 195 l/min) are possible.

Please observe the guidelines for stationary crane operation.



## PERFORMANCE DATA

- Working pressures of up to 400 bar
- Motors with IE03 efficiency class
- Required mains frequency: 50 Hz
- Required voltage: 3x400 V
- Engine protection class IP55
- Control box protection class IP65



## STRONG ARGUMENTS

- Fast and efficient operation thanks to the unit's power controller
- High energy efficiency thanks to IE03 efficiency engines and variable pumps with a load-sensing device.
- The perfectly matched complete system guarantees quick and easy setup.
- High operational reliability of the unit due to optional equipment such as Oil pan and tank heating
- Simple electrical connection for the body builder thanks to clearly defined connection points
- Using a soft starter reduces the starting current. \*
- The integrated soft starter enables smooth operation of the crane even in the case of voltage fluctuations in the mains supply.
- All consumers on the crane, such as PALTRONIC, the workman basket, the oil cooler and the lighting, are supplied by the control cabinet.

\* Factory preset, but can be individually parameterised by the body manufacturer.

15 kW

30 kW

55 kW

75 kW

### HYDRAULIC AGGREGATE

Electric motor, load sensing pump, power-, pressure- and flow-control, damping rails, hydraulic tank, air filter, oil gauge, return filter, float switch

		EP1901	EP1902	EP1903	EP1904
Crane class	[mt]	9	23	50	150
Max. flow rate	[l/min]	60	90	142	195
Max. operation pressure	[bar]	400	400	400	400
Tank volume	[l]	250	400	400	630
Dimensions (A x B x C)	[mm]	1245x910x720	1780x1030x780	1780x1165x780	1780x1385x990

### CONTROL BOX

Control box with regulated power supply 3x400VAC / 24VDC / 40A Energy meters for invoicing (non-verifiable)

		KEB01490A KEB01500A*	KEB01491A KEB01501A*	KEB01492A KEB01502A*	KEB01493A KEB01503A*
Dimensions (D x E x F)	[mm]	600x600x250	600x600x250	760x760x300	760x760x300

\* For cranes with workmanbasket EN280

### OIL PAN

Version according to Water Resources Act

		HXE4940	HXE4941	HXE4941	HXE4942
Dimensions (G x H x I)	[mm]	1210x360x970	1785x370x1035	1785x370x1035	1785x440x1245

### TANK HEATING

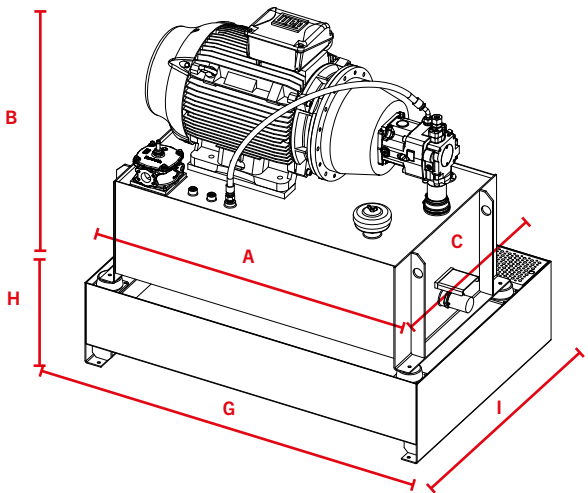
Screw-in heater 1050 Watt

EEA11014

EA11014

EEA11014

EEA11014





# HYBRID DRIVE

With the PALFINGER hybrid drive, we provide an efficient solution for operating the crane in noise- and emission-sensitive areas. These units can be adapted to the specific requirements of the crane to ensure simple and efficient electro-hydraulic operation.

Hybrid	Code	Description	For Cranes	Power Connection
15 kW	1 x EP1500 1 x KEB01441A	Engine pump unit hybrid 15kW Switch cabinet for hybrid 1 x 15kW	≤ 50 mt	32A
30 kW	1 x EP2224 1 x KEB01442A	Engine pump unit hybrid 30kW Switch cabinet for hybrid 1 x 30kW	≤ 100 mt	63A
1x 15kW 1x 30kW	1 x EP1500 1 x EP2224 1 x KEB01553A	Engine pump unit hybrid 15kW Engine pump unit hybrid 30kW Switch cabinet for hybrid 1 x 15kW / 1 x 30 kW	≥ 100 mt *	1 x 32A 1 x 64A
2 x 15 kW	2 x EP1500 1 x KEB01443A	Engine pump unit hybrid 15kW Switch cabinet for hybrid 2 x 15kW	≥ 100 mt **	2 x 32A
2 x 30 kW	2 x EP2224 1 x KEB01444A	Engine pump unit hybrid 30kW Switch cabinet for hybrid 2 x 30kW	≥ 100 mt	2 x 63A

\*Can be used optionally in 15 kW single-circuit operation at significantly reduced speed.  
\*\*Caution! Reduced operating speed, only to be used if mains capacity is not available

STRONG ARGUMENTS

“WATCH THE VIDEO ON YOUTUBE”

- Work in noise- and emission-sensitive areas.
- Save up to 80% on running costs.
- Easy connection by means of power cable to the power supply (32A / 63A)



## WORKING SPEED

0mt	10mt	20mt	30mt	50mt	70mt	100mt	150mt	200mt
PALFINGER HYBRID 1x15kW (32A)								
			PALFINGER HYBRID 1x30kW (63A)					
						PALFINGER HYBRID 2x15kW (32A)		
						PALFINGER HYBRID 1x 15kW + 1x 30kW (32A/63A)		
						PALFINGER HYBRID 2x30kW (63A)		
Normal Working Speed				Reduced Working Speed			Low Working Speed	

STRONG ARGUMENTS

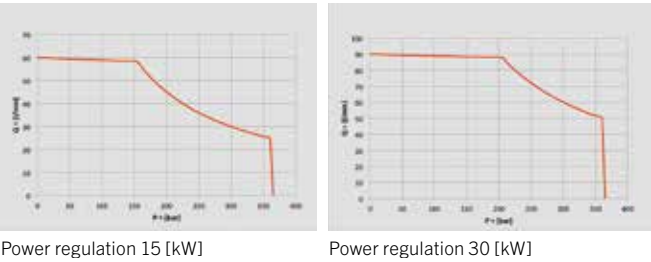
CUSTOMEREMPLOYEEENTREPRENEUR

- Reduction of noise pollution
  - No exhaust gases at the construction site
  - Environmentally friendly solution
- Quick and smooth working of the crane due to the power-controlled load sensing pump
  - Improved conversation with other employees due to the reduced noise pollution
  - Environmentally friendly solution
- 80% cost-effective energy savings in crane operation\*
  - Saving of operating hours on the truck
  - Ability to work in buildings and noise-sensitive areas (hospitals, schools...)
  - Environmentally friendly solution

\*depending on the extent of use and the country-specific prices for energy and fuel

PLEASE CONSIDER

- Position the oil tank as high as possible
- Only LED lighting can be used on the crane.
- Wiring in the control cabinet must be carried out by a certified specialist according to the wiring diagram.
- Due to the power-controlled pump, the operating speed of the crane is reduced compared to a conventional hydraulic drive (see performance curve).



# EMERGENCY POWERPACK

## EMERGENCY POWERPACK FOR WORKMAN BASKET

To ensure the safe lowering of the working basket in the event of failure of the conventional hydraulic system an emergency operation of the working basket must be provided. This emergency lowering is compulsory for EN280 cranes and is also recommended for NON-CE cranes.

The emergency drive is available as a 24V hydraulic kit for constant or variable displacement pumps. The kit includes all the necessary hydraulic components, such as non-return valves and pressure gauges. The hydraulic unit is also available as a separate component (12V/24V).



ATTENTION: This drive is designed exclusively for emergency use, not for standard operation. The hydraulic and electrical connections must be made in accordance with PALFINGER's building guidelines. Make sure you observe the specifications of the carrier vehicle! For the electrical connection, observe the corresponding cable cross sections (90 mm²).

Code	Description
KMG00210A	Emergency drive kit for workman basket on constant flow cranes 24V – 3 kW – max. 270 bar
KMG00211A	Emergency drive kit for workman basket on load sensing cranes 24V – 3 kW – max. 270 bar
EP1982	Emergency power pack 24V – 3kW – max. 270 bar
EP2022	Emergency power pack 12V – 3kW – max. 270 bar

Technical specification available in PALDESK / Equipment

# ADDITIONAL STABILIZERS

Our innovative stabilizer solutions offer you maximum performance, efficiency and safety – perfectly tailored to your PALFINGER crane model.

**Your advantages at a glance:**

- **Plug & play integration:** Easy integration into the crane's stability control system for optimum operational readiness.
- **Maximum payload:** Thanks to the low dead weight, you have more scope for your tasks.
- **Strong performance:** Support forces of up to **240 kN** guarantee maximum stability, even in challenging applications.
- **Standard-compliant and flexible:** All stabilizer cylinders are equipped with tiltable stabilizer plates – **compliant with EN12999**.
- **Complete freedom:** Variable support positions for maximum flexibility in a wide range of application scenarios.
- **Optimised supporting moment: Up to 50% more stability** for a safe and efficient work process.
- **Durable and protected:** Internal installation of hoses and electronics offers optimum protection against wear. The high-quality KTL coating ensures exceptional durability.
- **Low maintenance and reliable:** The robust outrigger system minimises maintenance and maximises uptime.
- **High-speed efficiency:** Integrated oil recycling allows you to benefit from a particularly high working speed.

**PALFINGER stabilizer systems – the new standard for performance, safety and efficiency!**

You can ensure the perfect selection of additional support with our **PAC Online** assembly calculation programme.



PAC-Online is a calculation programme developed to determine axle loads, stability, HPSC performance prediction, hydraulics, kinematics, payload, load capacity and load distribution.

It enables precise calculations and analyses to optimise assembly concepts and predict their performance. With PAC-Online, important parameters for crane use can be checked as early as the planning phase.

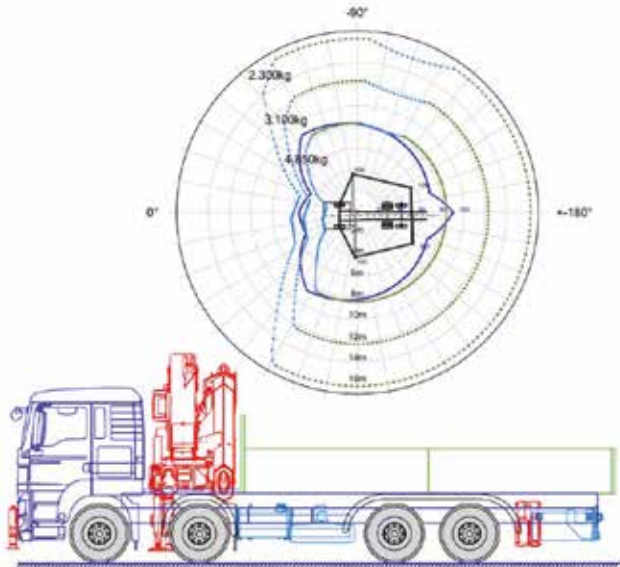
PAC-Online can be ordered at [software@palfinger.com](mailto:software@palfinger.com) including installation and update service.

## PALFINGER RECOMMENDATION

The following table is intended to assist in selecting the additional stabilizer for the respective crane tonne-metre class. Due to the variety of trucks and cranes, unrealizable combinations can occur.

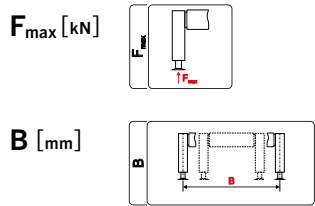
**This table is only a general information and does not replace an axle load calculation and stability analysis!**

	10 mt	20 mt	30 mt	40 mt	50 mt	60 mt	70 mt	80 mt	90 mt	100 mt	110 mt	120 mt	130 mt	140 mt	150 mt	160 mt	170 mt
BS001																	
BS002M																	
BS002H																	
BS003																	
BS004																	
BS005																	
BS006																	
BS007																	
BS017																	
BS018																	
BS019																	
BS1242A-1																	
BS1286A																	
BS1298A																	





ADDITIONAL  
STABILIZERS  
CONFIGURATION  
POSSIBILITIES



- standard
  - optional
  - not available
- <sup>1</sup> Also available for cranes with HPSC  
<sup>2</sup> Not in combination with STÜ07  
<sup>3</sup> Obligatory for EN12999  
<sup>4</sup> Without transport monitoring outriggers



$F_{max}$  = 90 kN  
 $B$  = 2100 mm  
= 2200 mm  
= 2300 mm



$F_{max}$  = 90 kN  
 $B$  = 3400 mm



$F_{max}$  = 90 kN  
 $B$  = 3400 mm



$F_{max}$  = 120 kN  
 $B$  = 4400 mm



$F_{max}$  = 120 kN  
 $B$  = 5200 mm



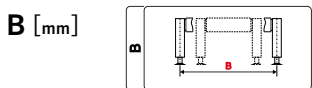
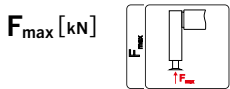
$F_{max}$  = 140 kN  
 $B$  = 5200 mm



$F_{max}$  = 160 kN  
 $B$  = 5900 mm

OPTION	DESCRIPTION	CODE	BS001		BS002M		BS002H		BS003		BS004		BS005		BS006		
			CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	
Stability monitoring	Step-by-step stability monitoring (0%, 50%, 100%)	ISC <sup>1</sup>	●	○	●	○	●	○	--	--	--	--	--	--	--	--	
	Continuous stability monitoring	HPSC	--	--	--	--	--	--	●	○	●	○	●	○	●	○	
Paltronic	Prepared for the integration into PAL40	PAL40	○	○	--	--	--	--	--	--	--	--	--	--	--	--	
	Prepared for the integration into PAL50	PAL50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Prepared for the integration into PAL150	PAL150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Prepared for the integration into PAL180	PAL180	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Outrigger box	Manually extendable outrigger	R <sub>man</sub>	●	●	●	●	--	--	--	--	--	--	--	--	--	--	
	Hydraulic extendable outrigger	RX <sub>hydr</sub>	--	--	--	--	●	●	●	●	●	●	●	●	●	●	
Cylinder variant	Stabilizer ram rigid, mounting above vehicle frame	STZS3 MTF-A		○	○	○	○	○	○	○	○	○	○	--	--	○	○
	Stabilizer ram rigid, mounting below vehicle frame	STZS3 MTF-B		○	○	○	○	○	○	○	○	--	--	○	○	--	--
	Stabilizer ram 60° manually tiltable	STZY3		○	○	○	○	○	○	○	○	○	○	--	--	○	○
	Stabilizer ram 180° hydraulically tiltable	STZY		--	--	--	--	○	○	○	○	○	○	--	--	○	○
Long version of stabilizer ram	150 mm elongated stabilizer ram	STÜ04		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	100 mm elongated stabilizer ram	STÜ05		○	○	○	○	○	○	○	○	○	○	--	--	--	--
	200 mm elongated stabilizer ram	STÜ07		○	○	○	○	○	○	○	○	○	○	--	--	○	○
	120 mm elongated stabilizer ram	STÜ09		--	--	--	--	○	○	--	--	○	○	--	--	--	--
	075 mm elongated stabilizer ram	STÜ11		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	220 mm elongated stabilizer ram	STÜ12		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Extensions for stabilizer ram <sup>2</sup>	100 mm extension	STT100		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200 mm extension	STT200		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Electric	24 Volt	24V		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	12 Volt	12V		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Plug & Play Connection	S-IQ <sup>3</sup>		○	--	○	--	○	--	○	--	○	--	○	--	○	--
	Transport monitoring system outriggers	AUSW		●	--	●	○	●	○	●	○	●	○	●	○	●	○
	Transport monitoring system outriggers + stabilizer cylinders	ABSTW			○ <sup>4</sup>	○ <sup>4</sup>	○	○	○	○	○	○	○	○	○	○	○
LED lighting package	BEL	○	○		○	○	○	○	○	○	○	○	○	○	○	○	
Others	Side protection cover outrigger	ADECK		●	○	●	○	●	○	●	○	●	○	●	○	●	○
	Base coated	GRUND		●	●	●	●	●	●	●	●	●	●	●	●	●	●

# ADDITIONAL STABILIZERS CONFIGURATION POSSIBILITIES



- standard
  - optional
  - not available
- <sup>1</sup> Also available for cranes with HPSC  
<sup>2</sup> Not in combination with STÜ07  
<sup>3</sup> Obligatory for EN-12999  
<sup>4</sup> Without transport monitoring outriggers



$F_{max}$  = 160 kN  
B = 5900 mm



$F_{max}$  = 120 kN  
B = 5200 mm



$F_{max}$  = 160 kN  
B = 5900 mm



$F_{max}$  = 200 kN  
B = 7100 mm



$F_{max}$  = 210 kN  
B = 8500 mm



$F_{max}$  = 240 kN  
B = 8600 mm



$F_{max}$  = 240 kN  
B = 8600 mm

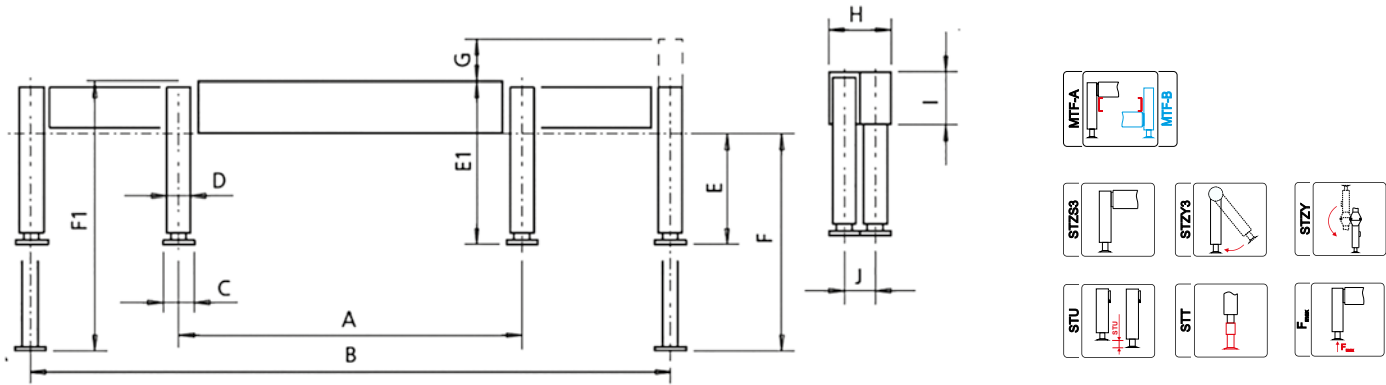
- without return oil utilization
- conventional outrigger system

OPTION		DESCRIPTION	CODE	BS007		BS017		BS018		BS019		BS1242A-1		BS1286A		BS1298A	
				CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE
Stability monitoring	Step-by-step stability monitoring (0%, 50%, 100%)	ISC <sup>1</sup>		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Continuous stability monitoring	HPSC		●	○	●	○	●	○	●	○	●	○	●	○	●	○
Paltronic	Prepared for the integration into PAL40	PAL40		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Prepared for the integration into PAL50	PAL50		●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Prepared for the integration into PAL150	PAL150		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Prepared for the integration into PAL180	PAL180		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Outrigger box	Manually extendable outrigger	R <sub>man</sub>		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Hydraulic extendable outrigger	RX <sub>hydr</sub>		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cylinder variant	Stabilizer ram rigid, mounting above vehicle frame	STZS3 MTF-A		--	--	--	--	--	--	○	○	○	○	--	--	●	●
	Stabilizer ram rigid, mounting below vehicle frame	STZS3 MTF-B		○	○	●	●	●	●	●	●	○	○	--	--	--	--
	Stabilizer ram 60° manually tiltable	STZY3		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Stabilizer ram 180° hydraulically tiltable	STZY		--	--	--	--	--	--	--	--	--	--	●	●	--	--
Long version of stabilizer ram	150 mm elongated stabilizer ram	STÜ04		--	--	--	--	--	--	--	--	○	○	--	--	--	--
	100 mm elongated stabilizer ram	STÜ05		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	200 mm elongated stabilizer ram	STÜ07		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	120 mm elongated stabilizer ram	STÜ09		○	○	--	--	--	--	--	--	--	--	--	--	--	--
	075 mm elongated stabilizer ram	STÜ11		--	--	--	--	--	--	○	○	--	--	--	--	--	--
	220 mm elongated stabilizer ram	STÜ12		--	--	--	--	--	--	○	○	--	--	--	--	--	--
Extensions for stabilizer ram <sup>2</sup>	100 mm extension	STT100		○	○	○	○	○	○	--	--	--	--	--	--	--	--
	200 mm extension	STT200		○	○	○	○	○	○	--	--	--	--	--	--	--	--
Electric	24 Volt	24V		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	12 Volt	12V		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Plug & Play Connection	S-IQ <sup>3</sup>		○	--	○	--	○	--	○	--	○	--	○	--	○	--
	Transport monitoring system outriggers	AUSW		●	○	●	○	●	○	●	○	●	○	●	○	●	○
	Transport monitoring system outriggers + stabilizer cylinders	ABSTW		○	○	○	○	○	○	○	○	○	○	○	○	○	○
	LED lightning package	BEL		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Others	Side protection cover outrigger	ADECK		●	○	●	●	●	●	●	●	--	--	--	--	--	--
	Base coated	GRUND		●	●	●	●	●	●	●	●	●	●	●	●	●	●

# ADDITIONAL STABILIZERS

## DIMENSIONS AND WEIGHT

### DIMENSIONS



Stabilizer	Cylinder Variant	Special Stabilizer	F <sub>max</sub> [kN]	Support Width B [mm]	Weight [kg]	A [mm]	C [mm]	D [mm]	E/E1 [mm]	F/F1 [mm]	G [mm]	H [mm]	I [mm]	J [mm]
BS001	STZS3 MTF-A	--			185				E-715	F-1235	20			
	STZS3 MTF-A	STÜ07		2100*	200	2100			E-907	F-1615	20			
	STZS3 MTF-B	--	90	2200*	177	2200	230	127	E1-400	F1-850	380	130	150	0
	STZS3 MTF-B	STÜ05		2300*	185	2300			E1-555	F1-1075	330			
	STZY3	--			215				E-852	F-1372	20			
BS002H BS002M	STZS3 MTF-A	--			250				E-725	F-1305	20			
	STZS3 MTF-A	STÜ07			265				E-878	F-1586	20			
	STZS3 MTF-B	--	90	3400	242	2300	230	127	E1-401	F1-851	380	150	180	0
	STZS3 MTF-B	STÜ05			250				E1-556	F1-1076	330			
	STZY3	--			280				E-824	F-1344	20			
BS003	STZY	--			333				E-972	F-1542	90			
	STZS3 MTF-A	--			490				E-725	F-1305	25			
	STZS3 MTF-A	STÜ07			510				E-874	F-1629	25			
	STZS3 MTF-B	--	120	4400	479	2323	230	127	E1-406	F1-876	374	320	200	153
	STZS3 MTF-B	STÜ09			491				E1-576	F1-1156	374			
BS004	STZY3	--			514				E-825	F-1300	--			
	STZY	--			538				E-881	F-1411	--			
	STZS3 MTF-A	--			600				E-675	F-1255	25			
	STZS3 MTF-A	STÜ07	120	5200	620	2323	230	127	E-874	F-1629	25	320	200	154
	STZY3	--			624				E-825	F-1300	--			
BS005	STZY	--			648				E-881	F-1411	--			
	STZS3 MTF-B	--			540				E1-400	F1-870	374			
BS006	STZS3 MTF-B	STÜ09	140	5200	555	2323	230	127	E1-570	F1-1150	374	250	335	119
	STZS3 MTF-A	--			790				E-650	F-1230	55			
BS007	STZS3 MTF-A	STÜ07	160	5900	810	2323	230	127	E-849	F-1604	55	400	250	234
	STZY3	--			810				E-800	F-1275	--			
	STZY	--			845				E-856	F-1386	--			
	STZS3 MTF-B	--			720				E1-400	F1-870	380			
BS017	STZS3 MTF-B	STÜ09	160	5.900	735	2323	230	127	E1-570	F1-1150	330	322	354	237
	STZS3 MTF-B	--	120	5200	587	2323	230	127	E1-205	F1-505	405	330	200	154
BS018	STZS3 MTF-B	--	160	5900	803	2316	230	127	E1-265	F1-565	344	459	250	192
	STZS3 MTF-A	--			1345				E-611	F-1221	14			
BS019	STZS3 MTF-B	--			1335				E1-320	F1-620	394	616	327	290
	STZS3 MTF-B	STÜ11	200	7100	1345	2100	300	146	E1-320	F1-699	473			
	STZS3 MTF-B	STÜ12			1365				E1-359	F1-883	577			
	STZS3 MTF-A	--			1840				E-669	F-1279	--			
BS1242A-1	STZS3 MTF-B	--	210	8.600	1840	2180	300	146	E1-414	F1-793	355	703	440	340
	STZS3 MTF-B	STÜ04			1860				E1-452	F1-976	459			
BS1286A	STZY	--	240	8.600	1496	2514	360	146	E-1099	F-1677	--	644	425	196
BS1298A	STZS3 MTF-A	--	240	8.600	1395	2248	360	146	E-887	F-1393	61	396	425	196

\* to be determined at mounting

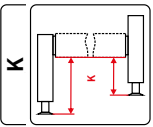
# CONTROL VALVE

Control Valve	Code	Fits on
2-way valve with integrated return oil utilization	US1070**	BS1242A-1
4-way valve without return oil utilization	US891	BS002H-BS007, BS017-BS019, BS1242A-1*, BS1286A, BS1298A
2-way valve without return oil utilization	KSC00012C**	BS001-BS007, BS017-BS019 Front- & Frame stabilizers

\* Reduced speed when used for BS1242A-1  
\*\* when used for an additional stabilizer with 4 functions – outrigger and stabilizer cylinder - 2 pcs. are required

## FRONT STABILIZERS & FRAME STABILIZERS

- PALFINGER development and manufacturing
- Designed for optimal safety
- High permissible supporting forces of up to 300 kN
- Integrated stability control
- Simple and efficient integration into the stability system



Front stabilizer kit	pcs.	F <sub>max</sub> * [kN]	Total length [mm]	Stroke [mm]	K [mm]	Weight [kg]	S-IQ**
KSZ00443A	1	98	630	300	--	45	o
KSZ00444A	2	98	630	300	--	90	o
BS1322B	1	100	730	450	--	49	o
KSZ00419A	2	100	730	450	--	98	o
BS1323B	1	150	990	655	--	79	o
KSZ00420A	2	150	990	655	--	158	o
KSZ00440A	1	196	630	300	--	70	o
KSZ00441A	2	196	630	300	--	140	o
KSZ00284A	1	200	780	450	--	79	o
KSZ00421A	2	200	780	450	--	158	o
KSZ00286A	1	300	810	450	--	89	o
KSZ00422A	2	300	810	450	--	178	o

Frame stabilizer kit	pcs.	F <sub>max</sub> [kN]	Total length [mm]	Stroke [mm]	K [mm]	Weight [kg]	S-IQ**
BS1333	2	85	770	450	105	385	o
BS1334	2	85	760	415	105	615	o
BS1335	2	85	985	630	125	830	o

• Standard | o Optional | -- Not available  
\* Max. permissible dynamic support force per stabilizer ram  
\*\* PALTRONIC specification required



# FRONT STABILIZER KITS

With our comprehensive portfolio of front stabilizers and kits, we offer you the perfect solution for maximum stability and safety – specially developed for optimal adaptation to your truck chassis.



**Your advantages at a glance:**



- **Reduced material and assembly costs:** Thanks to an optimally adapted screw system, perfectly matched to the requirements of the respective truck chassis.
- **Efficient force application:** Specially developed cross members and precise connections ensure an optimal connection to the vehicle frame.
- **Compact design:** The stabilizer cylinder integrated into the cross member saves space and increases efficiency. Each cylinder is precisely adapted to the respective truck chassis – for ideal function and perfect integration. The kits are equipped with adjustable pressure sensors (or pressure switches for non-S-IQ models) to reliably prevent overloads.
- **Maximum operational safety:** The integrated transport position monitoring and the HPSC stability control system ensure safety and reliability in every situation.
- **Innovative ventilation:** Specially developed air intakes in the covers ensure excellent engine ventilation – even when the vehicle is stationary.
- **Expertise you can trust:** Developed and tested by the PALFINGER Mounting Competence Center (MCC) in collaboration with leading truck manufacturers.



**KIT COMPONENTS**


- Traverse (cross beam) including connections to the respective chassis
- Stabilizer ram
- Shunting or towing coupling including, fastening material
- Hydraulic hoses for an easy connection to the crane hydraulics (control valve not included)
- The optional S-IQ kit for an easy integration into the stability and transport position monitoring system
- Optional available aluminum design front covers (raw - unpainted) including grids for the air intakes



SCANIA NTG				
Option	Description	Code	KSZ00448A	KSZ00449A
Stabilizer length	stabilizer + 150 mm (max. stabilizer force 196 kN!)	STÜ04	○	○
	stabilizer + 75 mm (max. stabilizer force 196 kN!)	STÜ11	○	○
	0 - 173 kN	173KN	●	●
Stabilizer force	> 173 - 196 kN (only in combination STÜ04)	196KN*	○	○
	> 173 - 245 kN (NOT in combination with STÜ04)	245KN*	○	○
Cover	Aluminium-Front cover (raw)	FADST	○	○
Stabilizer intelligence	Plug & Play connection (obligatory with SH and TEC cranes)	S-IQ**	○	○
GSR II ready	prepared ex works		●	●

MAN TGS & TGX				
Option	Description	Code	KSZ00474A	KSZ00586A
Underride Protection	Vehicle with Underride Protection	SZ002	●	●
	Vehicle without Underride Protection	SZ000	○	●
Stabilizer length	stabilizer + 150 mm	STÜ04	○	○
	stabilizer + 75 mm	STÜ11	○	○
Cover	Aluminium-Front cover (raw)	FADST	○	○
Stabilizer intelligence	Plug & Play connection (obligatory with SH and TEC cranes)	S-IQ**	○	●
GSR II ready	prepared ex works		○	●

VOLVO FH / FM / FMX (V4)				
Option	Description	Code	KSZ00497A	KSZ00479A
Vehicle Type	VOLVO FH	FZTYP017	●	●
	VOLVO FM	FZTYP018	○	○
	VOLVO FMX	FZTYP019	○	--
Stabilizer length	stabilizer + 75 mm	STÜ11	○	--
Cover	Aluminium-Front cover (raw)	FADST	○	○
Stabilizer intelligence	Plug & Play connection (obligatory with SH and TEC cranes)	S-IQ**	○	○
GSR II ready	prepared ex works		●	●

MERCEDES BENZ AROCS   MODEL TYPE 964.XXX			
Option	Description	Code	KSZ00498A
Vehicle-Code	Non-AWD	C50-V1	●
	AWD, Non-AWD with F2M+(M2R/M2S), Non-AWD with Z5E+R0V, Non-AWD with Z5F/Z5L	C50-V2	○
stabilizer length	stabilizer +75 mm	STÜ11	○
Cover	Aluminium-Front cover (raw)	FADST	○
Stabilizer intelligence	Plug & Play connection (obligatory with SH and TEC cranes)	S-IQ**	○
GSR II ready	prepared ex works		●

● standard | ○ optional | -- not available

\* Front frame reinforcement by Scania factory conversion kit FMSC-FA-62501 mandatory! Mounting brackets for the connection already included in the Scania factory conversion kit.

\*\* PALTRONIC specification required



# FRONT STABILIZER KITS

## TECHNICAL DATA

### ATTENTION

The maximum support forces relate exclusively to the respective front stabilizer kit!  
The maximum permissible supporting forces at the front of the respective chassis must be clarified with the responsible truck organization!



### TECHNICAL DATA

Chassis	Kit	Cylinder Variant	Max. dyn. support force [kN]	Total weight* [kg]	Stroke stabilizer ram [mm]	Max. towing load shunting coupling [kN/t]
SCANIA NTG	KSZ00448A	Single stabilizer standard	245	205	300	245 / 25
SCANIA NTG	KSZ00448A +STÜ04	Single stabilizer +150 mm	196	216	450	245 / 25
SCANIA NTG	KSZ00448A +STÜ11	Single stabilizer + 75 mm	196	212	375	245 / 25
SCANIA NTG	KSZ00449A	Double stabilizer standard	245	208	300	245 / 25
SCANIA NTG	KSZ00449A +STÜ04	Double stabilizer +150 mm	196	230	450	245 / 25
SCANIA NTG	KSZ00449A +STÜ11	Double stabilizer +75 mm	196	219	375	245 / 25
Volvo FH/FM/FMX (V4)	KSZ00497A	Single stabilizer	196	155	375	245 / 25
Volvo FH/FM/FMX (V4)	KSZ00497A +STÜ11	Single stabilizer + 75 mm	196	155	450	245 / 25
Volvo FH/FM (V4)	KSZ00479A	Double stabilizer	196	158	375	245 / 25
MAN TGS & TGX	KSZ00474A	Single stabilizer standard	196	116	300	245 / 25
MAN TGS & TGX	KSZ00474A +STÜ11	Single stabilizer +75 mm	196	122	375	245 / 25
MAN TGS & TGX	KSZ00474A +STÜ04	Single stabilizer +150 mm	196	127	450	245 / 25
MAN TGS & TGX	KSZ00586A	Double stabilizer	196	150	300	245 / 25
MAN TGS & TGX	KSZ00586A +STÜ11	Double stabilizer +75 mm	196	160	375	245 / 25
MAN TGS & TGX	KSZ00586A +STÜ04	Double stabilizer +150 mm	196	175	450	245 / 25
Mercedes Benz Arocs	KSZ00498A	Single stabilizer	147	195	375	220 / 22,4
Mercedes Benz Arocs	KSZ00498A +STÜ11	Single stabilizer + 75 mm	147	200	450	220 / 22,4

# STABILIZER PADS AND TRANSPORT BOXES

The ideal substructure for your crane:

- Ideal for various ground surfaces
- Easy and fast handling due to the carrying straps as well as the fastening possibilities on the truck
- Maximum safety for all supporting forces, tested by PALFINGER
- No risk of breakage, even at low temperatures
- Suitable transport boxes available for all sizes
- The stabiliser pads can be fastened and released quickly and safely via the retrofit set QuickLock.



### STABILIZER PADS

Description		Code	L x W x H [mm]	Weight [kg]	Supporting force [t]
ROUND		EZ2261-400	Ø 400 x 80	5	12
		EZ2261-500	Ø 500 x 80	7	16
SQUARE		EZ2189-300	300 x 300 x 40	3.5	13
		EZ2189-400	400 x 400 x 50	8	19
		EZ2189-500	500 x 500x 60	15	31
		EZ2189-600	600 x 600 x 60	21	41
		EZ2189-800	800 x 800 x 60	38	50

### TRANSPORT BOXES

Description		Code	L x W x H [mm]	Weight [kg]	Locking System QuickLock*
Bracket for round stabilizer pads uncoated		EZ2262-400	410x410x77,5	5	--
		EZ2262-500	510x510x70,5	7	--
Bracket for round stabilizer pads KTL coated		EZ2263-400	410x410x77,5	5	--
		EZ2263-500	510x510x70,5	7	--
Bracket for 1 square pad galvanized		EZ2236-300	354x319x94	4	--
		EZ2236-400	439x414x99	6	--
		EZ2236-500	544x514x109	7	EFA 439
		EZ2236-600	654x614x109	9	EFA 439
		EZ2236-800	854x814x109	12	EFA 439
Bracket for 2 square pads galvanized		EZ2190-300	354x319x134	4	--
		EZ2190-400	439x414x154	6	--
		EZ2190-500	544x514x174	8	EFA 440
		EZ2190-600	654x614x174	10	EFA 440
		EZ2190-800	854x814x174	15	EFA 440

# STABILIZERS PC-CRANE

## CONFIGURATION POSSIBILITIES

## AND DIMENSIONS

- All support frames delivered in the EU must comply with EN12999.
- Cranes with a load distribution of less than 1000 kg or a lifting torque of less than 40 kNm (PC 1500) do not need to be monitored for stability.
- For non-EU countries, versions without CE conformity are still available and permissible.

- Standard

○ Optional

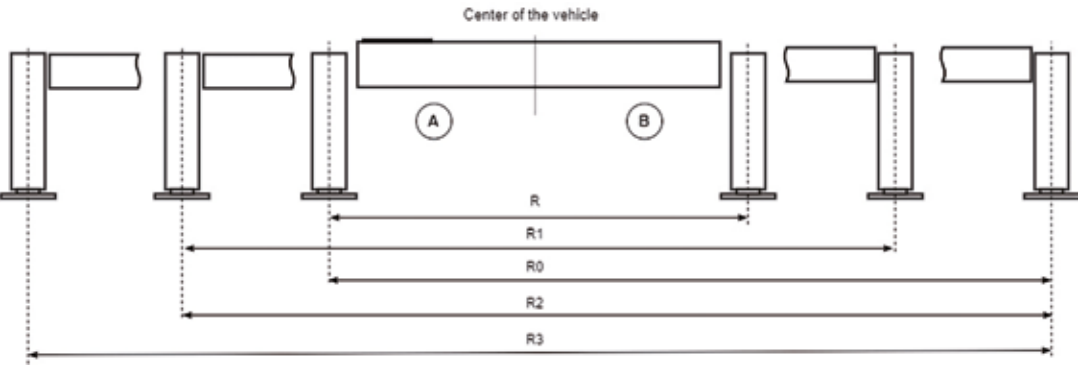
-- Not available
- \* tiltable outrigger

\*\* ex works base coated

\*\*\* only in combination with STZS5



OPTIONS			DESCRIPTION		CODE	BS008 PC1500		BS008 PC2700		BS010		BS013		BS014	
						CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE	CE	Non-CE
Stability monitoring			Step-by-step stability monitoring		ISC-S	○	○	●	○	●	○	●	○	●	○
Outrigger box			Manually extendable outrigger on one side		RO	●*	●*	●*	●*	●	●	--	--	●	●
			Manually extendable outrigger on both sides		R...	--	--	--	--	○	○	○	○	--	--
Cylinder Variant			Stabilizer ram rigid, mounting above vehicle frame		STZS5	○	○	○	○	○	○	○	○	○	○
			Stabilizer ram 60° manually tiltable		STZY5	--	--	--	--	○	○	○	○	○	○
Long version of stabilizer ram			100 mm extension (only in combination with STZS5)		STÜ06	--	--	--	--	○	○	--	--	--	--
			200 mm extension		STÜ07	○	○	○	○	○***	○***	○	○	○	○
Electric			Transport monitoring system outriggers		AUSVW	●	●	●	●	●	○	●	○	●	○
Others			RAL 3020		STD	●**	●**	●**	●**	●	●	●	●	●	●
Mounting bolts			Mounting bolts for easy connection to the vehicle		BRI	--	--	--	--	○	○	○	○	○	○



Stabilizer	Crane Type	Cylinder Variant	Weight [kg]					F <sub>max</sub> A / B [kN]					Dimensions [mm]				
			R	R0	R1	R2	R3	R	R0	R1	R2	R3	R	R0	R1	R2	R3
BS008	PC 2700	STZS5	78					31.2 / -									
	PC 1500	STZS5 (STÜ07)	82					15.9 / -									
BS010	PC 3800	STZS5	132	161	191												
		STZS5 (STÜ07)	144	174	203												
		STZY5	135	165	194												
		STZY5 (STÜ06)	147	177	206												
BS013	PC 2700 (STZS5)	STZS5	115	130	135	145		38.6 / 30		24.4 / 19	17.1 / 18.7	17 / 13.2					
		STZS5 (STÜ07)	120		135	140	150							1726		2726	3326 3926
	PC 1500 (STZS5)	STZY5	120		135	140	150	21.2 / 14.3		13.4 / 9.1	9.5 / 8.8	9.3 / 7.2					
		STZY5 (STÜ06)	130		145	150	160										
BS014	PC 2700	STZS5	115							9.4 / 12.9				1726	2826		
		STZS5 (STÜ07)	120														
	PC 1500	STZY5	125														
		STZY5 (STÜ06)	130							16.7 / 27.6							

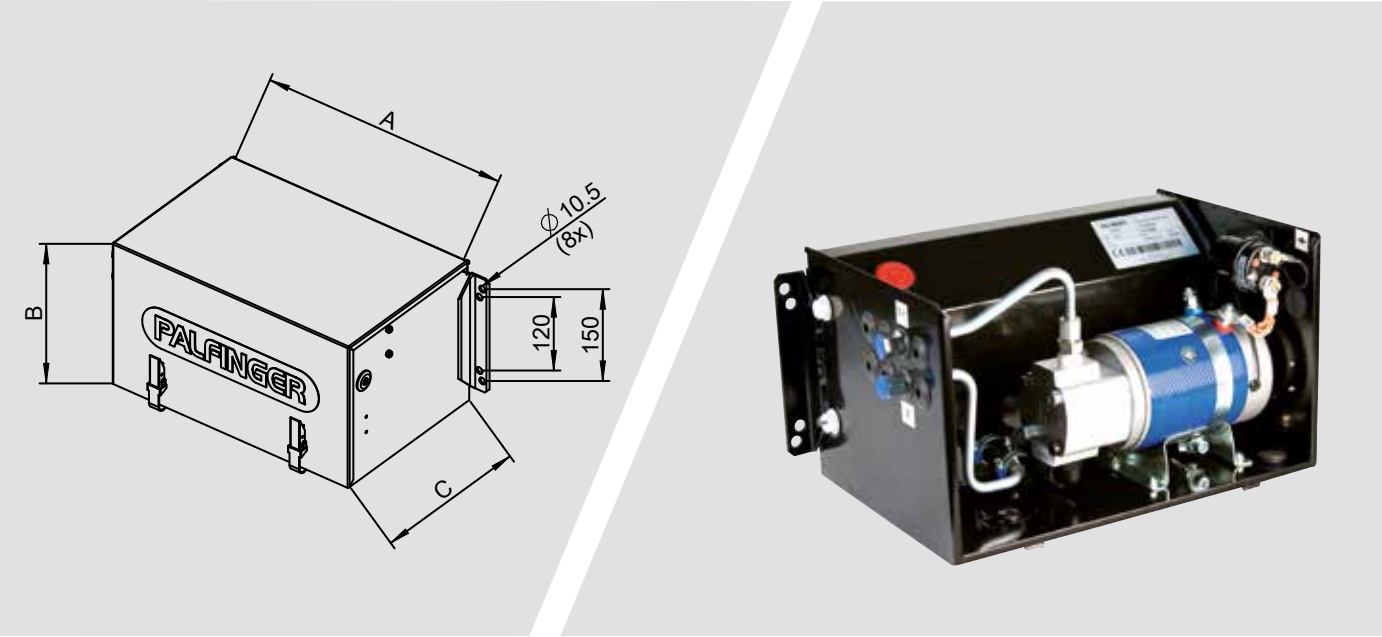


# POWERPACKS FOR PC-CRANES

## A SUITABLE AGGREGATE FOR EACH PC-CRANE MODEL

- Generates hydraulic power without the need for a PTO or EMC on the vehicle.
- Simple and convenient "Plug & Play" mounting
- Splash-proof and dust-proof thanks to compact design (IP54)
- A suitable cable kit is available for each powerpack
- Operating time > 25 min

PALFINGER generally recommend using a pump on PTO to drive a PC-Crane



## POWERPACKS FOR PC-CRANES

Code	on-board voltage [V]	Power [kW]	PC 1500	PC 2700	PC 3800	Oil flow [l/min]		Tank volume [l]
						100 bar	200 bar	
EP1980C	12	1.5	•	○	--	6.3	4.6	6
EP1981B	24	1.5	•	○	--	6.5	5	6
EP1983C	12	4	--	•	○	9	6.5	9
EP1984C	24	4.5	--	•	○	9.6	7.3	9

Maximum system pressure 210 bar  
• ... Suitable  
○ ... Suitable, but reduced operating speed



## DIMENSIONS

Code	Length A [mm]	Height B [mm]	Depth C [mm]	Weight [kg]
EP1980C	400	231	280	18.7
EP1981B	400	231	280	18.7
EP1983C	445	235	335	24.5
EP1984C	445	235	335	24.5

## CABLE KIT

Code	Description	Suitable for
EEA9835A	Cable kit 6 m - 35 mm <sup>2</sup>	EP1981B
EEA9847A	Cable kit 6 m - 50 mm <sup>2</sup>	
EEA9836A	Cable kit 6 m - 70 mm <sup>2</sup>	EP1980C / EP1984C *
EEA9848A	Cable kit 6 m - 95 mm <sup>2</sup>	EP1983C *

If the cable kit is shortened to 4 metres, the next smaller cross-section cable can be used.

## ATTENTION

- The unit is not designed for continuous operation.
- Observe the vehicle specifications. Do not overload the electrical system.
- Use the strongest alternator and battery available. A second battery is recommended.
- The unit must only be operated with the engine running.
- Winch operation is not possible.

# PALFINGER STANDARD SUBFRAMES

- Improved installation quality by using prefabricated modules.
- All frames are supplied with a primer coating for transport.
- Manufactured from fine-grained S690 steel.
- Can be combined with PALFINGER L-form side plates and brackets.



## PALFINGER SUBFRAME MODULES

Code	Height [mm]	Length [mm]	Weight [kg]
PZH0809410+4000	80	4000	684
PZH0809410+6000	80	6000	1026
PZH0809412+4000	80	4000	808
PZH0808510+4000	80	4000	624
PZH0808510+6000	80	6000	936
PZH0808512+4000	80	4000	740
PZH1209410+4000	120	4000	808
PZH1209410+6000	120	6000	1212
PZH1209412+4000	120	4000	956
PZH1208510+4000	120	4000	716
PZH1208510+6000	120	6000	1074
PZH1208512+4000	120	4000	852
PZH1609410+4000	160	4000	868
PZH1609410+6000	160	6000	1302
PZH1609412+4000	160	4000	1024
PZH1608510+4000	160	4000	808
PZH1608510+6000	160	6000	1215
PZH1608512+4000	160	4000	952
PZH1608512+6000	160	6000	1428
PZH2009410+4000	200	4000	924
PZH2009410+6000	200	6000	1386
PZH2008510+4000	200	4000	864
PZH2008510+6000	200	6000	1296
PZH2509410+4000	250	4000	996
PZH2509410+6000	250	6000	1494
PZH2508510+4000	250	4000	936
PZH2508510+6000	250	6000	1404

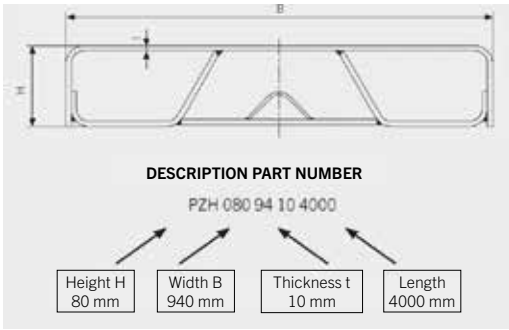
Other lengths up to 8000 mm are available on request.

## ADVANTAGES

- Weight optimized
- Reduced installation costs
- Low construction height
- High torsional rigidity

## PALFINGER FRAME ACCESSORIES

Component	Code	Weight [kg]
Side plate length 4000 mm	HA8063	56
Bracket M20	HXE4534	1.1
Bracket M24	HXE3144	2
Bracket M30	HXE3145	2.3
Bracket M36	HXE9084	4.2
Bracket M42	HXE2527	7.8
Bracket M48	HXE4514	15.8



# FACTORY MOUNTING



In the Palfinger Mounting Competence Center (MCC) crane and vehicle become one unit. Over the past years, more than 800 complete crane and hook loader installations have been built on vehicles at the Lengau site. PALFINGER dealers and service partners all over the world profit from this expertise and from the MCC team's innovative ideas. The MCC provides a lot of stimulating input for optimizing the bodywork and its quality. After all, the interfaces between vehicle, loader crane and all mounted components are decisive factors when it comes to the optimum performance of the overall concept.

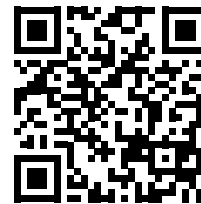
Due to the constantly increasing demand for complete vehicles and bodywork solutions from Palfinger, the MCC has been expanded by adding a further site at Solec Kujawski in Poland. In addition to the existing 13 assembly sites in Lengau, we will have a further 24 available to us as of 2020, as a result of which we will be able to increase our capacity of currently 150 installations per year to 500 per year. A few vehicles are already being built in Solec Kujawski this year, which is significantly relieving the strain on the current delivery situation both for us and our customers.

## PROFESSIONAL INSTALLATION



## PALDRIVE

If you need a new PALFINGER solution fast, then you've come to the right place! PALFINGER offers its customers attractive and ready-built complete vehicles. We have a selection of new vehicles for you, demo and training trucks from the most diverse type and performance classes in the PALdrive database.



# DOWNLOADS

## INSTALLATION SOLUTION



Professional Installation Solutions

## CRANETOOLS



Crane Tools



# MOUNTING BOLTS



- Delivered before the crane to speed up the overall mounting process.
  - Examined and tested by PALFINGER
  - Ideally compatible with PALFINGER crane models
- Optimal force introduction into the sub- and vehicle frame
  - High-strength steel
  - Ensures the crane is mounted on the vehicle as securely as possible

**Attention:** To avoid double delivery when ordering the mounting bolts separately, do not select BRI in the crane configuration.

## PK-MODELS

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 9002 EH	KVZ00060A	KVZ00062A	KVZ00056A	KVZ00061A
PK 10002 SH				
PK 12002 EH				
PK 12502 SH				
PK 14002 EH				
PK 14502 SH	UZ144S	UZ346S	UZ140S	UZ345S
PK 18002 EH				
PK 18502 SH				
PK 22002 EH				
PK 23002 SH				
PK 26002 EH	UZ017S	UZ343S	UZ018S	UZ344S
PK 27002 SH				
PK 27001 EH				
PK 33002 EH				
PK 34002 SH				
PK 40002 EH	KVZ00059AS	KVZ00063AS	KVZ00057AS	KVZ00058AS
PK 41002 MH	UZ362S	UZ363S	UZ360S	UZ361S
PK 41002 EH				
PK 42002 SH	KVZ00059AS	KVZ00063AS	KVZ00057AS	KVZ00058AS
PK 48002 MH	UZ362S	UZ363S	UZ360S	UZ361S
PK 48002 EH				
PK 50002 EH	KVZ00059AS	KVZ00063AS	KVZ00057AS	KVZ00058AS
PK 53002 SH				
PK 62002 EH	UZ235S	UZ340S	UZ131S	UZ339S
PK 63002 EH				
PK 65002 MH				
PK 65002 SH				
PK 76002 EH				
PK 78002 SH				
PK 92002 SH				
Crane model			BRI-6	BRI-6B
PK 110002 SH			UZ364S	UZ365S

Crane model	BRI-3	BRI-3B	BRI-6	BRI-6B
PK 5.001 SLD 1/3	UZ011S	UZ347S	UZ165S	UZ348S
PK 5.501 SLD 5				
PK 7.001 SLD 1/3				
PK 7.001 K SLD 3				
PK 7.501 SLD 5				
PK 7.501 K SLD 5	UZ017S	UZ343S	UZ018S	UZ344S
PK 8.501 SLD 1/3				
PK 9.501 SLD 5				
PK 11.001 SLD 1/3				
PK 12.001 SLD 3				
PK 12.501 SLD 5	UZ144S	UZ346S	UZ140S	UZ345S
PK 13.501 SLD 1/3				
PK 13.501 K SLD 3				
PK 14.501 SLD 5				
PK 14.501 K SLD 5				
PK 17.001 SLD 1/3	UZ017S	UZ343S	UZ018S	UZ344S
PK 19.001 SLD 5				
PK 21.501 SLD 1/3				
PK 24.001 SLD 5				
Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 245 TEC	KVZ00093A	KVZ00094A	KVZ00085AS	KVZ00087AS
PK 250 TEC	KVZ00093A	KVZ00094A	KVZ00085AS	KVZ00087AS
PK 295 TEC	KVZ00080AS	KVZ00082AS	KVZ00081AS	KVZ00083AS
PK 300 TEC	KVZ00084AS	KVZ00086AS	KVZ00085AS	KVZ00087AS
PK 365 TEC	KVZ00080AS	KVZ00082AS	KVZ00081AS	KVZ00083AS
PK 370 TEC	KVZ00084AS	KVZ00086AS	KVZ00085AS	KVZ00087AS
PK 480 TEC	KVZ00072AS	KVZ00073AS	KVZ00070AS	KVZ00071AS
PK 580 TEC	KVZ00072AS	KVZ00073AS	KVZ00070AS	KVZ00071AS
PK 880 TEC	KVZ00107A	KVZ00108A	KVZ00105A	KVZ00106A
Crane model	BRI-6	BRI-6B	BRI-8	BRI-8B
PK 1050 TEC	KVZ00097A	KVZ00098A	KVZ00095A	KVZ00096A
PK 1350 TEC	KVZ00074A	KVZ00075A		

## L & EL-MODELS

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 12001 L	--	--	UZ366	UZ367
PK 15001 L				
PK 25001 EL	UZ290S	UZ341S	UZ266	UZ351S
PK 27001 EL	--	--	UZ148S	--
PK 35001 EL				
PK 40001 EL	UZ138S	UZ353S	--	--

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 18.001 L TEC 3	UZ144S	UZ346S	UZ366	UZ367
PK 20.501 L TEC 3				
PK 22.001 L TEC 7	UZ373S	UZ374S	UZ371S	UZ372S
PK 23.001 L TEC 3				
PK 26.001 L TEC 7				

## T - MODELS

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 13500T	UZ144S	UZ346S	UZ140S	UZ345S
PK 15500T EH				
PK 17500T				
PK 19500T EH				

## ADDITIONAL STABILIZERS PC-CRANE

Crane model	BRI-6	BRI-6B	BRI-8B	BRI-8
BS009	UZ325	UZ352	--	--
BS010	--	--	UZ357	UZ356S
BS013	--	--	UZ357	UZ356S
BS014	UZ325	UZ352	--	--

## PW - MODELS

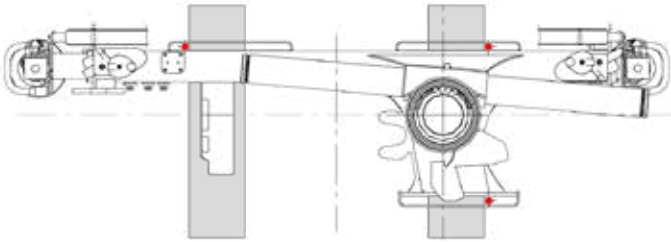
Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PW 32001	UZ373S	UZ374S	UZ371S	UZ372S
PW 35001 SH				
PW 38001				
PW 38001EL				
PW 42001 SH	UZ373S	UZ374S	UZ371S	UZ372S
PW 50001 SH				

## PC-CRANES

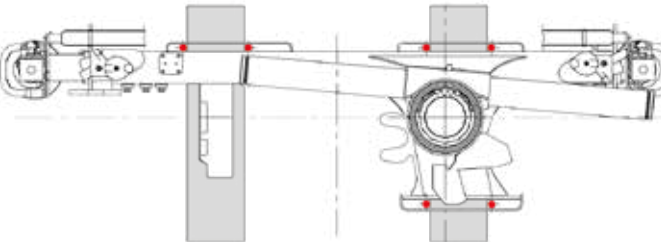
Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PC 1500	--	--	--	--
PC 2700	KMG02436A	--	--	--
PC 3800		--	--	--

BRI-3 ... 8 ... Number of mounting positions  
BRI-3B ... 8B ... Number of mounting positions, mounting bolts coated  
-- ... no kit available

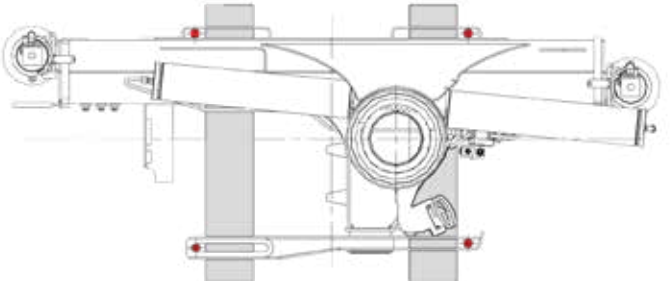
BRI-3 / BRI-3B



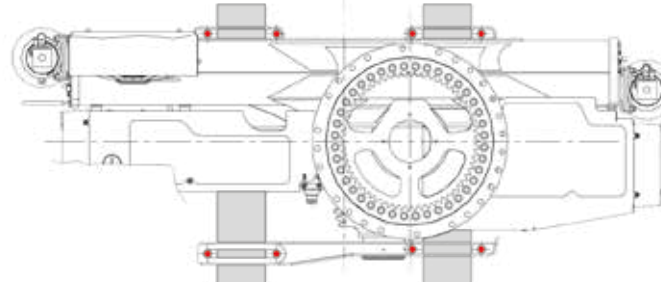
BRI-6 / BRI-6B



BRI-4 / BRI-4B



BRI-8 / BRI-8B



All kits contain the required bolts, nuts, washers, twist locks, brackets and protective caps  
The components of the twist lock differ according to the conventional and the new TEC-crane anti twist lock!

The assembly devices EKD 161 and EKD 165 for the new TEC-crane twist lock can be ordered via the PALFINGER Tools Catalog.



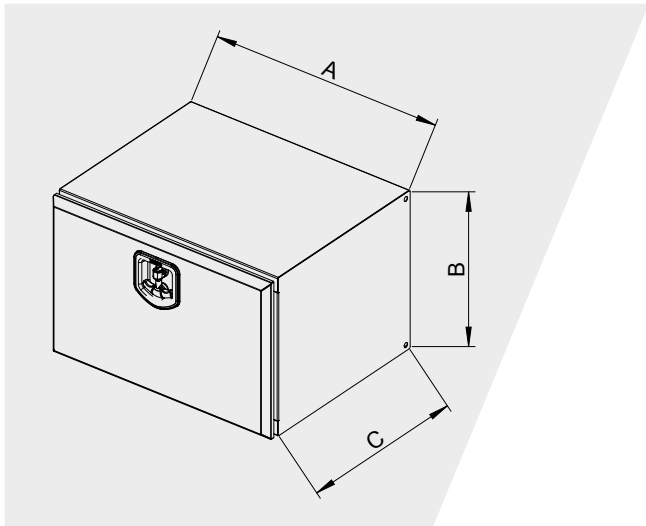
# TOOLBOXES

## STAINLESS STEEL / STEEL / PLASTIC

- ECE certified R73
- The highest product quality and comfort
- High-quality optics
- Optimal corrosion protection
- Available in stainless steel, steel and plastic
- Variety of available dimensions
- Easy mounting with optional brackets



### CERTIFIED AS SIDE UNDERRIDE PROTECTION! ECE CERTIFIED – R 73



**Stainless steel – cover polished**  
Lock: stainless steel



**Steel galvanized and powder coated Black RAL 9005**  
Lock: plastic



**Polypropylene**  
Lock: Plastic



### TECHNICAL DETAILS

#### Stainless steel / Steel

- Certified as side protection (ECE-R73)
- Gas pressure absorber
- Breath filter
- High-quality, anti-slip plastic
- Lockable (two keys)
- Splash-proof
- Lid opens downwards, max. 90°
- Sheet thickness: 1.5 mm

#### Plastic

- Certified as side protection ECE-R73
- Extremely robust (shock-resistant)
- Highest material quality
- High UV resistance
- Lockable (2 keys)

### TOOLBOX - STAINLESS STEEL

Code	Length A [mm]	Height B [mm]	Depth C [mm]	Weight [kg]	Locks	Bracket
EZ7001	600	400	500	22.0	1	EZ6998
EZ7002	800	500	500	30.5	1	EZ6998
EZ7003	1000	500	500	36.0	1	EZ6998
EZ7004	1200	500	500	42.0	2	EZ6998
EZ7006	800	600	600	37.7	1	EZ6999
EZ7007	1000	600	600	44.2	1	EZ6999
EZ7008	1200	600	600	51.0	2	EZ6999

### TOOLBOX - STEEL\*

Code	Length A [mm]	Height B [mm]	Depth C [mm]	Weight [kg]	Locks	Bracket
EZ6981	600	400	500	22.0	1	EZ6996
EZ6982	800	500	500	30.5	2	EZ6996
EZ6983	1000	500	500	36.0	2	EZ6996
EZ6984	1200	500	500	42.0	2	EZ6996
EZ6986	800	600	600	37.7	2	EZ6997
EZ6987	1000	600	600	44.2	2	EZ6997
EZ6988	1200	600	600	51.0	2	EZ6997

### TOOLBOX - PLASTIC

Code	Length A [mm]	Height B [mm]	Depth C [mm]	Weight [kg]	Locks	Bracket
EZ7288	480	400	400	5.0	1	EZ7442
EZ7289	630	450	480	8.0	2	EZ7443
EZ7290	680	500	500	6.5	2	--
EZ7291	830	500	470	10.5	2	EZ7443
EZ7292	1030	500	455	13.0	3	EZ7443
EZ7293	1250	524	500	15.5	3	EZ7443

### PLASTIC FIRE EXTINGUISHER BOX - PLASTIC

Code	Length A [mm]	Height B [mm]	Depth C [mm]	Weight [kg]	Extinguisher [kg]
EZ7444	611	310	250	3.5	6

Fire extinguisher not included

### TOOLBOX - BRACKETS

Code	Material	Strength [mm]	Length [mm]	Height [mm]	Weight [kg]
EZ6999	stainless steel	2.5	520	205.0	4.2
EZ6998	stainless steel	2.5	420	160.0	2.8
EZ6997	steel*	4	520	205	6.5
EZ6996	steel*	3	420	160	3.5
EZ7442	steel*	2	340	150	3.0
EZ7443	steel*	3	410	190	4.6

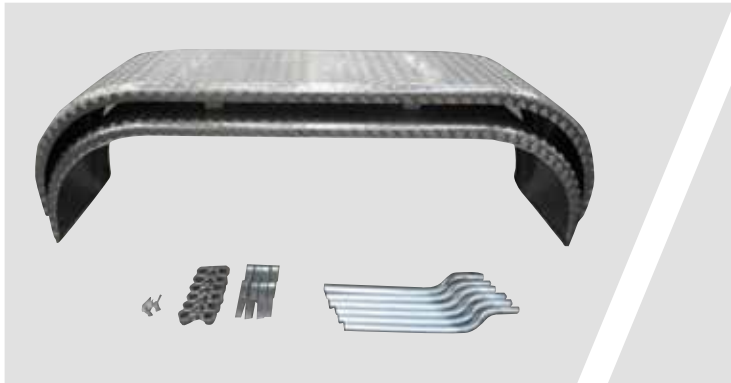
\* powder coated (RAL9005)

# MUDGUARDS

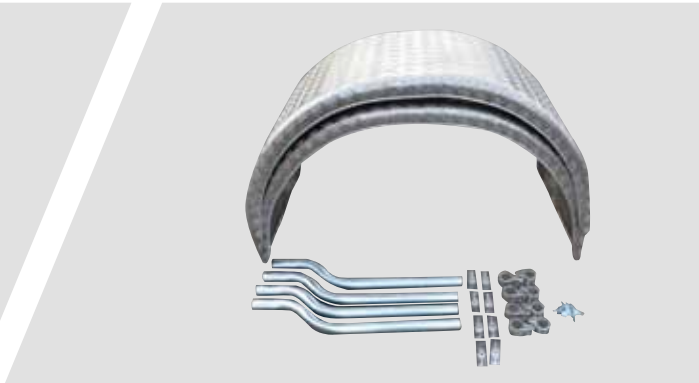
No more complicated searching and browsing through various catalogues!  
With the PALFINGER mudguard kit, you receive all the required components  
with only one order number!



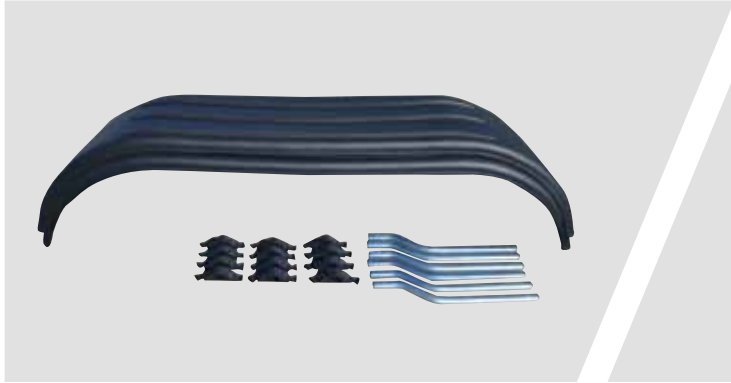
## KIT



M9000457



M9000477



M9000492



M9000491

Kit	Code	Width [mm]	Length [mm]
Kit 2 axles aluminium mudguards	M9000457	650	2700
Kit 1 axle aluminium mudguards	M9001356	650	1280
Kit 2 axles plastic mudguards	M9000492	650	2700
Kit 1 axle plastic mudguards	M9000491	650	1280

## SINGLE PARTS



M62010621



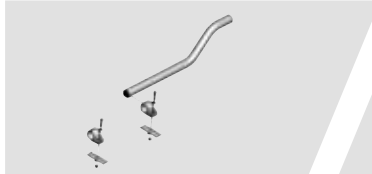
M62010622



M62010736



M62010179



M9000501



M9000502



EFA 307



M9000755



EFA 206 / EFA 207

Of course, all kit components can also be ordered separately.

Component	Code	Width B [mm]	Length S [mm]	Radius R [mm]	Height H [mm]
2 axle aluminum mudguard	M62010621	650	2700	650	680
1 axle aluminum mudguard	M62010622	650	1300	650	680
2 axle plastic mudguard	M62010736	650	2670	635	620
1 axle plastic mudguard	M62010179	650	1340	670	715
Tube mounting kit for aluminum mudguard	M9000501	Ø42	760	--	--
Tube mounting kit for plastic mudguard	M9000502	Ø42	760	--	--
Bracket for mounting tube	EFA 307	--	--	--	--
Aluminum separation 2 axles (for wheel base 1350-1450mm)	M9000755	--	1250	--	620
PALFINGER mudflap 600x900mm	EFA 206	--	600	--	900
PALFINGER mudflap 600x700mm	EFA 207	--	600	--	700



# REAR DEMOUNTABLE BRACKETS

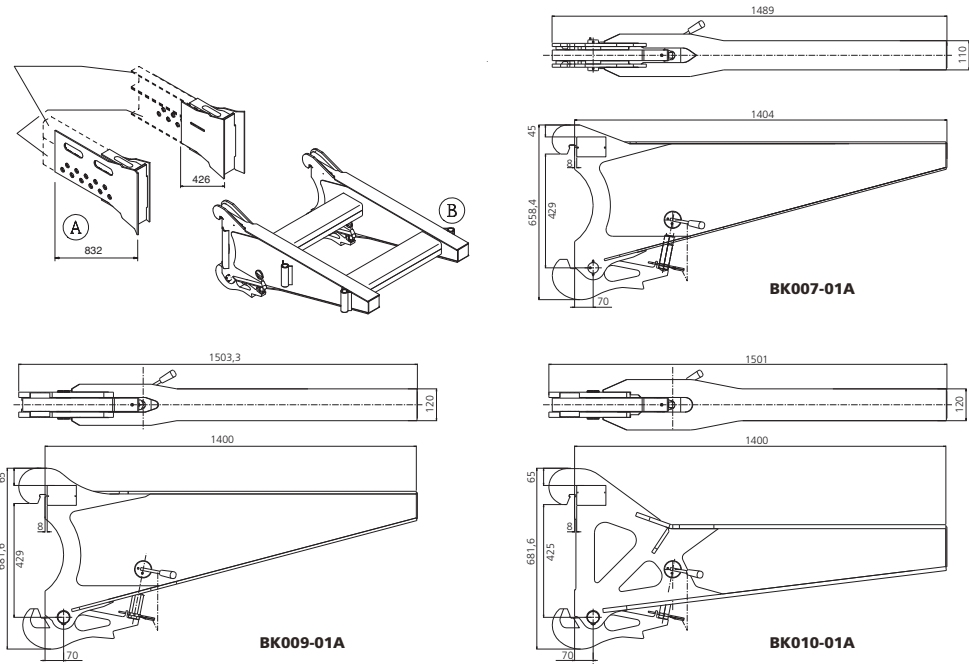
- Can be mounted on all types of vehicle.
- The manual locking mechanism enables coupling and decoupling in just a few minutes.
- Full payload possible with decoupled crane
- Designed specifically for PALFINGER loader cranes (PALFINGER forestry and recycling cranes available on request).



Code	Bracket	Quantity pcs	max. crane lifting moment	Weight [kg]
BK007A	BKA007-01A	2	119 kNm 12,1 mt	(A) 120 (B) 204
BK008A*	BKA007-01A	1	244 kNm	(A) 142
	BKA009-01A	1	24,9 mt	(B) 236
BK009A	BKA009-01A	2	244 kNm 24,9 mt	(A) 164 (B) 268
BK010A	BKA010-01A	2	244 kNm 24,9 mt	(A) 164 (B) 326



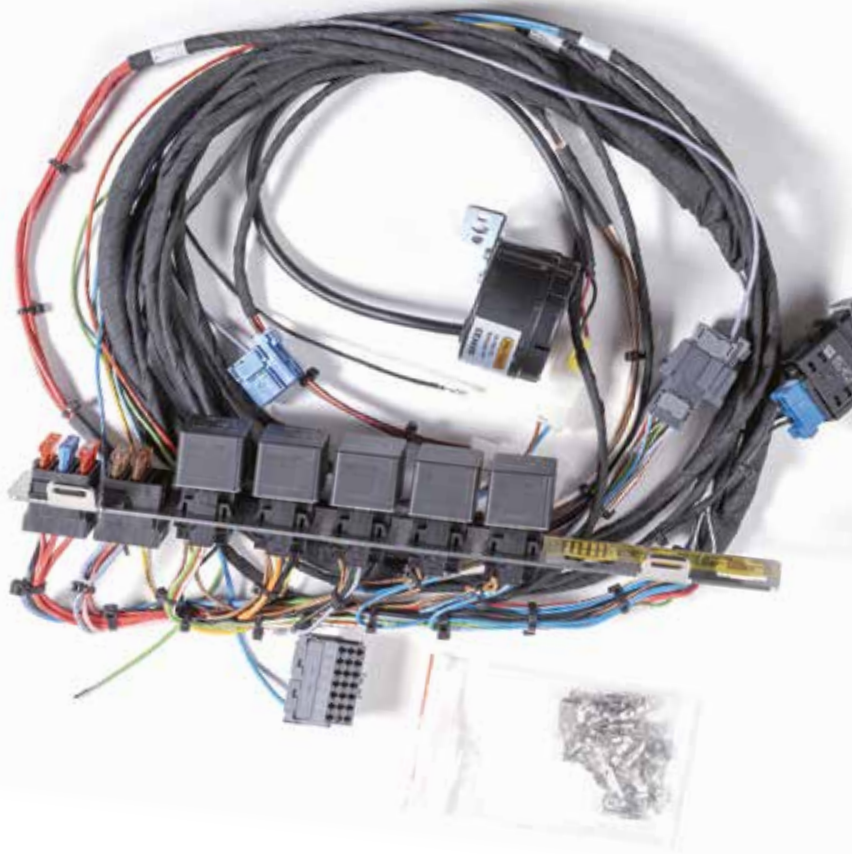
For crane mounting, where the centre of gravity is outside the centre.



# CONNECTING CABLE KIT

Depending on the chassis, equipment, and customer requirements, connecting the loader crane and carrier vehicle electrically involves considerable cabling work. Connections must be made between control and operating elements, safety and monitoring functions, power and auxiliary consumers. Different cable cross-sections, pre-assembled connectors, and vehicle-specific pins increase the risk of incorrect wiring and extend the assembly time.

The solution to this challenge is the standardized PALFINGER cable kit. This provides complete electrical wiring of the loader crane on the carrier vehicle, which greatly simplifies the work of the vehicle body manufacturer and leads to significant time savings. In the case of servicing, the cable kit can be ordered and replaced as a complete spare part.



- **Halves the time** required for wiring between the vehicle and crane. Connectors are pre-assembled and tested.
- **Standardized components** enable easy integration of crane functions into the vehicle's electrical system and reduce the risk of errors and thus warranty costs.
- **Easy to servicing:** Individual segments can be replaced during maintenance or repair without opening the entire cable harness.

Code	Truck Manufacturer	Model	Description
EEA19638	Mercedes Benz	Actros, Arocs	Wiring harness for flatbed body from 2019
EEA19639	Mercedes Benz	Actros, Arocs	Wiring harness for tipper body from 2019
EEA19642	Mercedes Benz	Atego	Wiring harness for flatbed body from 2021
EEA19646	Scania	R-range	Wiring harness for flatbed body, new series (20) 03.2017
EEA19647	Scania	R-range	Wiring harness for tipper body, new series (20) 03.2017
EEA19650	Volvo	FH, FM	Wiring harness for flatbed body from 2015
EEA19651	Volvo	FH, FM	Wiring harness for tipper body from 2015
EEA19652	Volvo	FH, FM	Wiring harness for container exchange system from 2015

Due to the wide variety of truck and crane models, some combinations may not be feasible. An overview of the vehicle equipment supported can be found in the technical data for the cable kit sets in PALDESK.



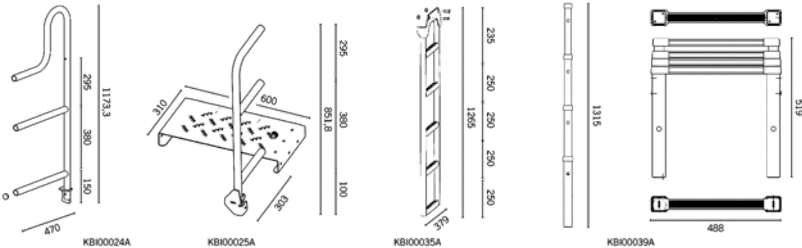
# LATERAL PROTECTION DEVICES

- All required items can be ordered easily using just one article number.
- Available in fixed or folding versions.
- ECE-certified
- The profile shape can be perfectly combined with PALFINGER reflector tape.



# ACCESSORIES FOR HIGH STAND

- Guard rails for rear mounting
- To close the potential gap between the crane and the driver's cabin, the standing platform can be extended.
- The standing platform and railing can be adapted individually on site.
- A loose ladder is available for the new high stand. Assembly to the high stand will be carried out by the body builder according to the actual construction situation.
- Telescopic rails for easy access and optimum working protection



## KIT IS CERTIFIED ACCORDING TO LAST CURRENT DIRECTIVES ECE-R73

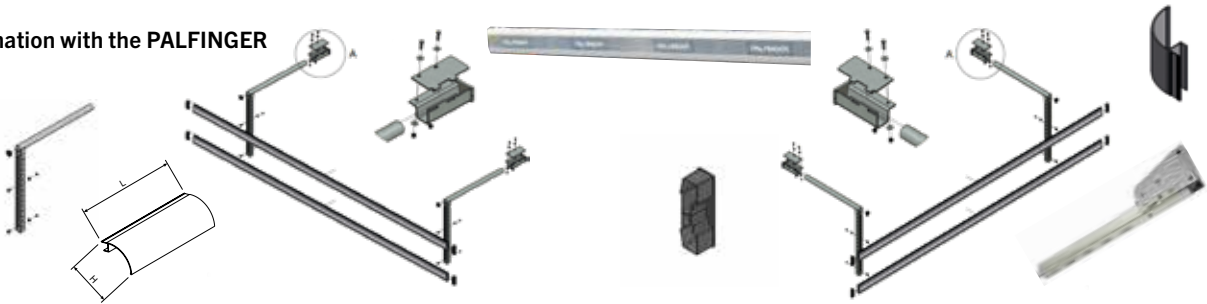


## FIXED SIDE UNDERRIDE PROTECTION KIT

Code	Length [m]	Quantity brackets	Quantity profiles	Quantity profile brackets	Wheelbase F [mm]
M9000400	3.5	4	4	4	3901 - 5000
M9000401	5	4	2	4	< 3900
M9000402	5	6	4	6	> 5000

The kit includes the parts for BOTH sides of the vehicle.

Ideal for combination with the PALFINGER reflective tapes



Component	Code
Profile bracket fixed including fixing material	M9000424
Profile bracket foldable without fixing material	EFA 133
Aluminium profile 3.5 m	M62010651
Aluminium profile 5 m	M62010652
Fixation bracket right	M9000500
Fixation bracket left	M9000423
Rear end (straight)	M62010616
Rear end - Angle profile H = 100 mm, L = 100 mm	M62010615
Rear end - Angle profile H = 100 mm, L = 500 mm	M62010714

## TECHNICAL DATA

Code	Component	Weight [kg]
KB100024A	Railing	8
KB100025A	Additional platform	16
KB100035A	Access ladder	10
KB100039A	Telescopic railing	5

# MISCELLANEOUS

## TAIL LIGHT BRACKET

- Quick and easy fixing on the vehicle frame
- Mounting possibility for tail lights, anti-spray mats and rear markings



Component	Code
Tail light protection	HA13836
Tail light bracket	M9000481
Reflective tape EC White	M62010725
Reflective tape EC Red	M62010724
Reflective tape EC Yellow	M62010722

## TAIL LIGHT PROTECTION

- Provides optimum protection for the tail light
- Made of 3mm steel flap
- Optimal corrosion protection thanks to the KTL coating
- Suitable for standard rear lights from MAN, Mercedes-Benz, Scania and Volvo
- 2 pieces included in kit



## CE REFLECTIVE TAPE



LIGHTING  
COMPONENTS

- More visible and safer at any time of the day or night
  - Increased attention due to visual stimuli
  - More efficient work in the dark
  - Efficient LED lighting is more environmentally friendly and saves costs
- Long service life of the LED lighting
  - Proven components from the PALFINGER factory mounting (MCC)
  - Durable and appealing design



TECHNICAL DATA	LED Work Light Scorpius N4402	LED Work Light Scorpius Go 420	LED Work Light Flush Mount KL1302	LED Work Light KL1001	LED Reverse Light Scorpius Go 410
Order Code	EEA11854	EEA14958	EEA12907	EEA13621	EEA15761
Operational Lumens Output	4200 lm	1800 lm	1500 lm	1000 lm	1000 lm
Colour Temperature	5700 K	5000 K	5700 K	5700 K	5000 K
Nominal Voltage	12 - 24 V	12 - 24 V	12 - 24 V	12 - 24 V	12 - 24 V
Input Voltage	9 - 32 V	9 - 32 V	9 - 32 V	9 - 32 V	9 - 32 V
Power Consumption	50 W	28 W	24 W	24 W	16 W
Nominal Current at	24 V = 2,1 A 12 V = 4,2A	24 V = 1,0 A 12 V = 1,8A	24 V = 1,0 A 12 V = 2,0 A	24 V = 1,0 A 12 V = 2,0 A	24 V = 0,6 A 12 V = 1,05 A
Dimensions	108 x 137 x 87 mm	99x118x66	105x105x88	95x131x69	99x42x117
Weight	1,1 kg	0,6 kg	0,45 kg	0,7 kg	0,5 kg
Operating Temperatures	-40...+85 °C	-40...+85 °C	-40...+85 °C	-40...+85 °C	-40...+85
Connector	Built-in Deutsch DT-2 (2-pin)	Built-in Deutsch DT-2 (2-pin)	Pigtail Deutsch 2-pin	Pigtail Deutsch 2-pin	Built-in Deutsch DT-2 (2-pin)
Protection class	IP68, IP6K9K	IP68, IP6K9K	IP68, IP6K9K	IP68, IP6K9K	IP68, IP6K9K
EMC approved	✓	✓	✓	✓	✓
Application					



TECHNICAL DATA	End-Outline Marker Superpoint 3 Short	End-Outline Marker Superpoint 3 Straight	LED Outline marker
Order Code	EEA13634	EEA13917	EEA16142
Nominal Voltage	24 V	24 V	12 - 24 V
Dimensions	48,8 44,5 x 64 mm	48,8 x 46 x 100 mm	121 x 42 x 38 mm
Operating Temperatures	-40°C to +55°C	-40°C to +55°C	-40°C to + 60°C
Connector	moulded for P&R	moulded for P&R	open
Protection class	IP69K	IP69K	IP66/68
EMC approved	✓	✓	✓



TECHNICAL DATA	License plate illuminating	Multifunctional LED position lamp	LED Position lamp white	LED Beacon yellow	LED Flash Light yellow
Order Code	EEA12427	EEA13318	EEA14197	EEA14657	EEA16080
Nominal Voltage	24 V	12 - 24 V	12 - 24 V	12 - 24 V	12 - 24 V
Dimensions	83 x 40 x 30	238 x 21 x 10 mm	81 x 24 x 21 mm	Ø 134 x 58 mm	96 x 28 x 20 mm
Operating Temperatures	-40°C to +55°C	-25 ... 70 °C	-40°C to +80°C	-30 ... 55 °C	-30 ... 60 °C
Connector	moulded for P&R	Pigtail Deutsch 2-pin	open	open	open
Protection class	IP54	IP 66/68	IP69K	IP65	IP65
EMC approved	✓	✓	✓	✓	✓



KP-MOUNTINGASM7+EN

Units shown in the leaflet are partially optional equipped and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.