

LOADER CRANE

MOUNTING ACCESSORIES

LIFETIME EXCELLENCE



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PALFINGER MOUNTING ACCESSORIES

A ONE-STOP SERVICE

At PALFINGER we want to ensure that our lifting solutions deliver their promised performance at the highest possible security level. Therefore the entire system consisting of crane, truck, subframe and hydraulic system is decisive.

For this reason, PALFINGER offers a broad spectrum of equipment in order to meet the usual high availability and serviceability as well as the well-known lifting performance.

A one-stop service means to us, that you can get everything you need for your mounting project from PALFINGER – fast, simple and perfectly matched.



High complexity and seasonal fluctuations are the core of any mounting business. In order to support our mounting partners in their day-to-day challenges, we want to offer them the support they require – from software tools for the project planning, to tested components, body kits and complete vehicles.

We are pleased to offer you the following services:

INSTALLATION PACKAGES



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

HYDRAULIC COMPONENTS



Pumps, tanks and oil coolers are perfectly matched to our products and have to pass strict tests to ensure longevity and cleanliness. This are the key parameters to avoid expensive consequential damages.

STABILIZERS



PALFINGER is the only crane manufacturer that offers a complete range of additional stabilizers, complete front stabilizer kits for the most popular European truck manufacturers and universally applicable stabilizers.

MOUNTING ACCESSORIES



From individual subframes over the proven additional stabilizers up to toolboxes - we invested a lot of time and money to offer you the perfect components in approved PALFINGER quality.

SERVICE CONTRACTS



To optimize your business performance by reducing machine downtime and repair costs, we offer you PALFINGER service contracts in 4 different packages, from 1 to 6 years.



SERVICE AND TECHNICAL SUPPORT



PALFINGER provides an extensive service network. The highly trained employees of our service partners and licensed workshops provide quick help whenever needed.



SPARE PARTS SUPPLY



Several spare parts centres worldwide guarantee a seamless supply of spare parts. All original spare parts are tested and comply with the PALFINGER 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.



MOUNTING ACCESSORIES STANDARD



MOUNTING ACCESSORIES CUSTOMIZED



RAW INSTALLATIONS



CUSTOMIZED SOLUTIONS



CONFIGURED SOLUTIONS



STANDARD SOLUTIONS



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

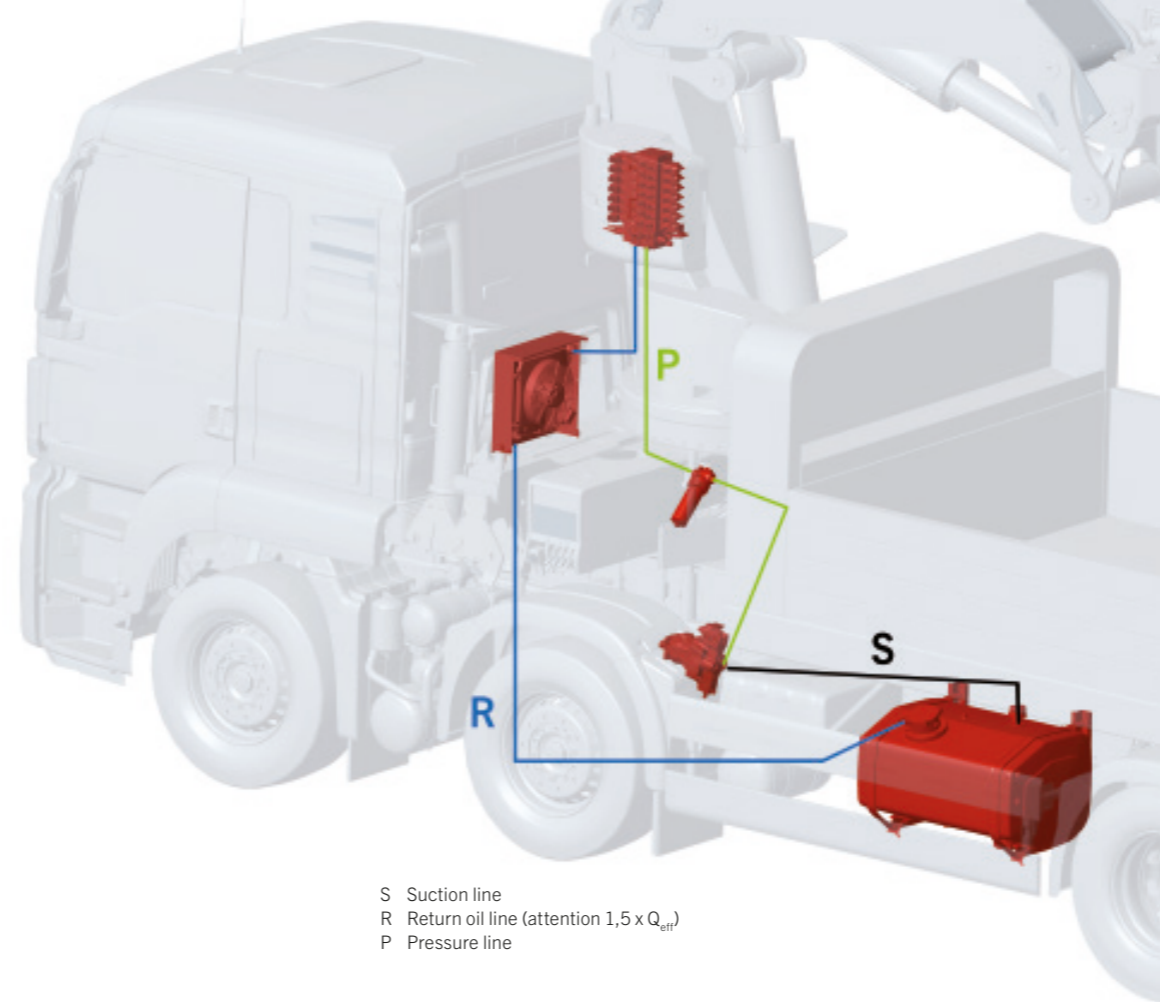
Our local partners secure your usual customer experience: Sales, Bodybuilding and After Sales incl. the carrier chassis.

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



HYDRAULICS

PALFINGER offers a complete range of hydraulic components to drive the PALFINGER crane optimally. The hydraulic system is the heart of the PALFINGER unit and must meet the highest requirements. PALFINGER works exclusively with well-known and long-standing partners to ensure the highest quality requirements. The correct design of the hydraulic system is crucial for the functionality of the PALFINGER cranes. You may find more detailed information on this in the PALFINGER installation guidelines.



S Suction line
R Return oil line (attention 1,5 x Q_{eff})
P Pressure line



CONSTANT PUMPS SINGLE CIRCUIT

The constant pumps offer a simple and cost-effective drive variant. We offer a variety of bent axis and inline pumps, depending on the requirements.



CONSTANT PUMP DOUBLE CIRCUIT

For a quick work with several functions, especially in wood and recycling crane use, we have a variety of suitable pump types available.



LOAD SENSING PUMPS

Load sensing pumps help to operate the crane at its most efficient oil flow and potentially lower the operating costs. Highest quality and efficiency rate are standard at our PALFINGER load sensing pumps.

BASIC DATA FOR CALCULATION

Minimum required oil flow	Q_{min}	[l/min]	For exact crane operation
Maximum required oil flow	Q_{max}	[l/min]	For fast crane operation
Required operating pressure	P_{max}	[MPa]	According to crane requirements
Chosen oil flow	Q_{crane}	[l/min]	Between minimum and maximum required oil flow (Q _{min} ≤ Q _{crane} ≤ Q _{max}); techn. Data sheet crane
Speed (rpm) on the motor	n_{en}	[min ⁻¹]	Data sheets of the vehicle to be set in motor management
Ratio of gear box	i_{ge}		Data sheet of the vehicle. ATTENTION! Always use the quick split
Ratio of PTO	i_{pto}		Data sheet of the PTO. ATTENTION! Always use the quick split
Allowed torque at PTO	M_{tmax}	[Nm]	Data sheet of the PTO
Allowed power at PTO	P_{max}	[kW]	Data sheet of the PTO
Efficiency rate pump	η_{pump}		0,9 for constant pump / 0,95 for variable pump
Oil flow of chosen pump (1000 rpm)	Q_{pump}	[l/min]	Mounting Accessories Catalogue
Maximum pump speed (rpm)	n_{pmax}	[min ⁻¹]	Mounting Accessories Catalogue
Difference volume crane + Fly Jib	ΔV_{crane}	[l]	PALDESK or PAC Online
Difference volume additional and front stabilizer	ΔV_{stab}	[l]	PALDESK or PAC Online
Difference volume crane equipment	ΔV_{equ}	[l]	PALDESK or PAC Online

CALCULATION OF HYDRAULIC PUMP

Speed on the pump (rpm)	n_{pump}	[min ⁻¹]	$n_{pump} = n_{en} * i_{ge} * i_{pto} \leq n_{pmax}$
Required pump size (1000 rpm)	Q_{req}	[l/min]	$Q_{req} = (Q_{crane} * 1000) / (n_{pump} * \eta_{pump})$
Effective oil flow	Q_{eff}	[l/min]	$Q_{eff} = Q_{pump} * \eta_{pump} * \eta_{pto}$
Torque - PTO	M_{req}	[Nm]	$M_{req} = (Q_{eff} * p_{max} * 159) / (n_{pump} * \eta_{pump}) \leq M_{tmax}$
Power on PTO	P_{req}	[kW]	$P_{req} = (Q_{eff} * p_{crane}) / (60 * \eta_{pump}) \leq P_{max}$

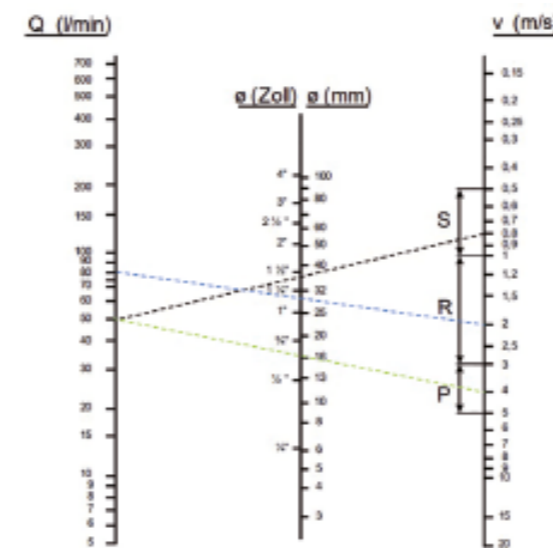
CALCULATION OF OIL COOLER

Required oil cooler capacity	P_{cool}	[kW]	$P_{cool} = P_{req} * 0,15 \text{ to } 0,25$ ATTENTION! Factor depends on the application - check the installation guideline
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CALCULATION OF OIL TANK

Required minimum oil tank size - crane mounted	V_{tank}	[l]	$V_{tank} \geq Q_{eff} * 0,7 + \Delta V_{crane} + \Delta V_{stab} + \Delta V_{equ}$
Required minimum oil tank size - side mounted	V_{tank}	[l]	$V_{tank} \geq Q_{eff} * 1,2 + \Delta V_{crane} + \Delta V_{stab} + \Delta V_{equ}$

REQUIRED PIPE CONNECTION



TIPS

- Position of the oil tank as high as possible
- Keep the suction line as short as possible
- Fill only filtered oil into the PALFINGER oil tank
- All values are basic assumptions and only valid, if the crane is mounted according to PALFINGER installation guideline

ATTENTION

The calculation of the oil tank volume is only permitted for flow-optimized PALFINGER oil tanks and when using an adequately designed oil cooler. This calculation must be adjusted due to factors such as high ambient temperatures during long work cycles. Please note the PALFINGER installation guidelines.



BEST PRICE DEAL - LOAD SENSING PUMPS

<ul style="list-style-type: none"> • Fuel savings due to tests between 6% and 22% • Fine control of the crane • Reduced noise and noise pollution and CO2 emission 	CALCULATE FOR YOURSELF!
	<input type="text"/> % fuel saving (6% - 22%)
	<input type="text"/> x Fuel consumption during crane operation
	<input type="text"/> x crane hours / year
	<input type="text"/> x fuel price / l
= SAVING PER YEAR	

LOAD SENSING PUMPS

With PALFINGER load sensing pumps, you operate your crane efficiently and save money in the long run. Highest quality and efficiency rate are standard at our PALFINGER load sensing pumps.

- Most load sensing pumps are designed for an operating pressure up to 400 bar
- PALFINGER warranty & service
- Every pump is delivered in a package with a suitable suction connection
- The collaboration with established manufacturers ensure longer and easier work with the PALFINGER product

Rexroth
Bosch Group



- Highest performance efficiency
- Bent axis design
- Low noise emission due to bent axis design
- By means of the adjusting screw the maximum displacement volume can be adjusted

HYDRO LEDUC



- Compact design allows the installation on most vehicles
- 130l with exchangeable rotation direction
- Huge variety of different flow rates available
- By means of the adjusting screw the maximum displacement volume can be adjusted
- * Optimum response behavior - specially designed for Timer & Recycling Cranes

InLine



- Compact design allows the installation on most vehicles
- High hydraulic efficiency
- A selection of INLINE load sensing pumps are available with power limitation or drive through shaft
- By means of the adjusting screw the maximum displacement volume can be adjusted
- Needs 1/2" leaking oil connection

	Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Dead Weight [kg]	L x W x H [mm]	Rotation direction left	Rotation direction right	Power regulator	Drive through shaft	in kit incl. Suction Connection	Article Number Pump kit
REXROTH	55	2500	400	305	21	16	266 x 118 x 304	•	•			EA1288	EP 653HD EP 654HD
	80	2240	400	446	32	21	288 x 128 x 325	•	•			EA1290	EP 651HD EP 652HD
	107	2150	400	596	41	25	309 x 134 x 342	•	•			EA1290-45	EP 649HD EP 650HD
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	328 x 127 x 282		•		•	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	328 x 127 x 282		•		•	EA1987	EP1926DR-110
	120	2100	400	675	34	26	276 x 125 x 248	•	•			EA1867-60	EP 945R EP 945L
	130	1900	400	730	38,6	28	328 x 127 x 282	•	•			EA5871	EP1926U*
	130	1900	400	730	47,4	31	328 x 127 x 282	•	•		•	•	EA1987
150	2000	350	840	38,6	28	266 x 127 x 277	•	•			EA6204	EP 150U*	
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	30	280 x 127 x 255		•	•	•	EA6355	EP2171 EP2171TR
	110	2200	400	680	40	30	280 x 127 x 255	•	•	•		EA6355	EP2175 EP2175TL
	130	2100	400	700	40	31	270 x 130 x 289		•	•		EA6358	EP2172 EP2172DR
130	2100	400	700	40	31	270 x 130 x 289	•	•		•	EA6358	EP2176 EP2176DL	

All PALFINGER load sensing pumps are preset with an operating pressure of 200 bar, 30 bar LS pressure and must be set according crane requirements 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 the needs of the PALFINGER product and are delivered with the appropriate suction connection.

- All fixed pumps are designed for an operating pressure up to 400 bar
- PALFINGER warranty & service
- Every pump is delivered in a package with a suitable suction connection
- Bypass valves optionally available (catalogue page 16)
- The collaboration with established manufacturers ensure longer and easier work with the PALFINGER product

Rexroth
Bosch Group



- Universal rotation direction
- Lightweight design thanks to aluminum casing
- Low noise level due to sound-optimized design

REXROTH

Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	in kit incl. Suction Connection	Article Number Pump kit
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

HYDRO LEDUC



Bent axis pump

- Universal rotation direction
- Robust steel casing
- Reinforced seals

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 ¹⁾ EP 549P ¹⁾
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 ¹⁾ EP 550P ¹⁾
41	2550	400	261	11,6	11,6	315 x 107 x 130	•	•	EA1992	EP1398A
43	1750	400	304	17	15	315 x 107 x 130	•	•	EA173	EP 551 ¹⁾ EP 551P ¹⁾
50	2450	400	318	12,23	11,65	315 x 107 x 130	•	•	EA1992	EP1399A
50	1650	400	354	17	15	315 x 107 x 130	•	•	EA1867	EP 552 ¹⁾ EP 552P ¹⁾
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 ¹⁾ EP 553P ¹⁾
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 ¹⁾ EP 554P ¹⁾
108	1900	400	687	18,48	15,4	242 x 123 x 190	•	•	EA1993	EP1402A
114	1350	400	807	31,5	23,5	345 124 x 135	•	•	EA214	EP 555 ¹⁾
130	1750	400	827	19,28	15,8	244 x 123 x 192	•	•	EA1993	EP1403A



In-line pump ¹⁾

- Universal rotation direction
- Compact design
- Complete packages incl. suction hose, hose clamps, pressure hose, etc. available (P)

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

Parker



- High hydraulic efficiency
- Bent axis design

More detailed technical data can be found on PALDESK/Equipment

FIXED DISPLACEMENT PUMPS DOUBLE FLOW

All PALFINGER fixed displacement pumps are ideally suited to the needs of the PALFINGER product and are delivered with the appropriate suction connection.

- PALFINGER warranty & service
- The collaboration with established manufacturers ensure longer and easier work with the PALFINGER product
- Every pump is delivered in a package with a suitable suction connection
- Bypass valves optionally available (catalogue page 16)



- Universal rotation direction
- Compact design
- Designed for operating pressure 350 bar continuous and 400 bar peak pressure

HYDRO LEDUC

Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	in kit incl. Suction Connection	Article Number Pump kit
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 x 124 x 159	•	•	EA2148	EP 583
57/57	1350	350	807	31,5	23,5	345 x 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
42/42	1800	350	163	22,2	19	206 x 108 x 188	•	•	EA6355	EP 658L EP 658R
53/53	1800	350	260	22,2	19	206 x 108 x 188	•	•	EA6355	EP 659L EP 659R
55/28	1800	350	324	22,2	19	206 x 108 x 188	•	•	EA6355	EP 660L EP 660R
70/35	1800	350	378	22,2	19	206 x 108 x 188	•	•	EA6358	EP 661L EP 661R
70/70	1650	350	518	22,2	19	259 x 118 x 259	•	•	EA6358	EP 662L EP 662R

PARKER



- Low weight
- High hydraulic efficiency
- Designed for operating pressure 350 bar continuous and 400 bar peak pressure

NOISE REDUCED PUMPS

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



- Great price - performance ratio
- Significantly reduced noise emission

HYDRO LEDUC

Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	Adapter DIN ISO	Article Number Pump kit
41,2	2800	400	264	11,2	11	290 x 108 x 166		•	-	EP2744
47,9	3000	450	---	---	22	290 x 214 x 214		•	EA6913	EP2766

BUCHER hydraulics



- Lowest noise emission

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	EP344	Deutsch connector
	EV8394	EP345	Deutsch connector
	EV8395	EP346	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 663 L/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	



HAWE

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

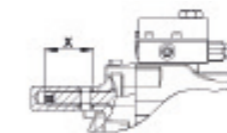
Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code		
			0°	45°	90°
Fixed displacement pump Bent axis	1 1/2 "	39,1		EA1991	EA1991-90
	2 "	51,8		EA1992	EA1992-90
	2 1/2 "	64,5		EA1993	EA1993-90
Fixed displacement pump Single flow	1 1/2 "	40	EA1731		
	1 1/2 "	50	EA1867		
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63,5	EA1867-63		
	1 1/2 "	76,2	EA1987		
	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		
	1 1/2 "	40	EA1731		EA5869
	1 1/2 "	50	EA1867		EA1900
	1 1/2 "	60	EA1867-60		
Load sensing pump (U) (U = Universal rotation direction)	1 1/2 "	63,5	EA1867-63		EA6206
	SAE	50	EA6203		
	SAE	60	EA5871		EA6205
	SAE	76,2	EA6204		



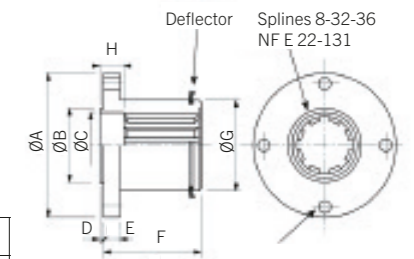
Setting screw

	Code
For EP1926U and EP 150U	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 perfectly suited to the crane line-up. In addition to essential technical advantages the tanks offer an ideal price-performance-ratio. Whether aluminium or steel tank we support the PALFINGER partner in a qualitative and cost-effective mounting.

- Perfectly adapted to the requirements of the PALFINGER loader and timber & recycling cranes
- Due to a complex individual cleaning process we ensure best possible safety against pollution of the hydraulic system
- Maximum oil saturation due to integrated baffle plates and generously dimensioned 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" - NW 60mm	
Shut-off cock	EA1390	1 1/4" - NW 38mm	KTK001-BA, KTK021-BA
	EA4512	2" - NW 50mm	KTK002-BA - KTK007-BA, KTK063-BB - KTK065-BB
Angle piece	EA1818	1 1/4", 90°	KTK001-BA, KTK021-BA
	EA1817	2", 90°	KTK002-BA - KTK007-BA, KTK063-BB - KTK065-BB
Screw connection sleeve	EA1901	2", L=70mm	KTK002-BA - KTK007-BA, KTK063-BB - KTK065-BB
Electr. temp. and oil level sensor (PALTRONIC 150 only)	EEA6327A	L=410mm	KTK001-BA, KTK021-BA, KTK063-BB - KTK069-BB
	EEA6328A	L=510mm	KTK002-BA-KTK005-BA
	EEA6331A	L=1055mm	KTK007-BA

- Screwable bracket for different types of vehicles
- Central positioned breath filter
- New level indicator for optimized filling volume and better visibility
- Oil-temperature gauge separately from the level indicator
- Centrally positioned return oil filter



- Excellent price-performance-ratio
- Optimized coating against corrosion
- Central 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

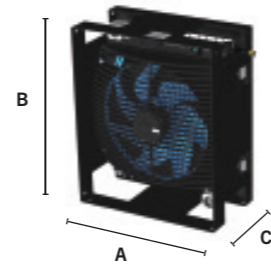
Capacity	Article number	Tank volume [l]	Dimensions L x W x H [mm]	Dead weight [kg]	Connections
0 - 75 liter	KTK063-BB	75	300 x 700 x 670	27	S=1x2"; R=60l/min; L=2x3/8"; D=1x3/4"
100 liter	KTK064-BB	100	400 x 700 x 680	34	S=2x2"; R=60l/min; L=2x3/8"; D=1x3/4"
140 liter	KTK065-BB	140	580 x 700 x 680	39	S=2x2"; R=180l/min; L=4x3/8"; D=1x3/4"
200 liter	KTK066-BB	200	820 x 700 x 680	43	S=2x3"; R=180l/min; L=4x3/8"; D=1x3/4"
250 liter	KTK067-BB	250	1020 x 700 x 680	47	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"
300 liter	KTK068-BB	300	1210 x 700 x 680	53	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"
400 liter	KTK069-BB	400	1610 x 700 x 680	70	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"

Capacity	Article number	Tank volume [l]	Dimensions L x W x H [mm]	Dead weight [kg]	Connections
0 - 75 liter	UT032*	20	474 x 250 x 255	10	S=1/2"; R=20l/min
100 liter	KTK017-BA*	45	528 x 435 x 429	23	S=2x1"; R=80l/min; L=1x
140 liter	KTK001-BA	75	567 x 440 x 555	39	S=2x1 1/4"; R=60l/min; L=2x
200 liter	KTK021-BA	100	727 x 440 x 555	45	S=2x1 1/4"; R=80l/min; L=2x3/8"; D=1"
250 liter	KTK002-BA	140	554 x 702 x 660	59	S=2x2"; R=180l/min; L=4x3/8"; D=1"
300 liter	KTK003-BA	200	749 x 702 x 660	62	S=2x2"; R=180l/min; L=4x3/8"; D=1"
400 liter	KTK004-BA	300	1054 x 702 x 660	77	S=2x2"; R=180l/min; L=4x3/8"; D=1"
400 liter	KTK007-BA	300	952 x 385 x 1318	77	S=2x2"; R=180l/min; L=4x3/8"; D=1"
400 liter	KTK005-BA	400	1477 x 702 x 660	98	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 and increases the lifespan of the hydraulic fluid as well as the hydraulic components. Special flushing procedures during the manufacturing process ensure that all oil coolers have the optimum system cleanliness.



STRONG ARGUMENTS

ASA RAIL

- Highest product quality
- Flexible connection possibilities facilitate the individual mounting of the oil cooler
- By avoiding threads on the oil cooler an optimal system cleanliness is ensured.
- Easier mounting based on selectable flow type (Diagonal- and U-flow)
- All ASA-RAIL oil coolers are delivered with the patented ASA shock absorbers that offer a long and optimal absorption at long operating times
- Temperature sensor with improved protection class (IP69K)
- Protected against polarity and overvoltage as well as 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 30cst [l/min]	Protection-class	Temperature range [°C]	Protection-case	Dead weight [kg]	Dimensions A x B x C [mm]	Article number
ASA RAIL	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	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
	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

* $\Delta T = 40^\circ\text{C} / Q = 100 \text{ l/min}$

- standard
- not available

STATIONARY HYDRAULIC AGGREGATES

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

By adapting these units to the special needs of our cranes a simple and efficient electro-hydraulic drive of the crane can be guaranteed.

Due to the integrated power controller, high working pressures are required (up to 400 bar), as well as high liter volumes (up to 195 l/min) possible.

Observe the guidelines for stationary crane operation.



PERFORMANCE DATA

- Working pressures up to 400 bar
- Motors with efficiency class IE03
- Required mains frequency 50 Hz
- Required voltage 3x400V
- Protection class engine IP55
- Protection class control box IP65



STRONG ARGUMENTS

- Fast and efficient operation due to the power controller of the unit
- High energy efficiency due to the use of engines of efficiency IE03 and the variable pumps with load sensing device
- The perfectly matched complete system guarantees one simple and quick 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
- The use of a soft starter reduces the starting current *
- The integrated soft starter allows the crane to operate smoothly even if there are voltage fluctuations in the mains supply.
- All consumers on the crane such as PALTRONIC, workman basket, oil cooler or lighting are supplied by the control cabinet.

* Factory preset, but can be parameterised individually 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 crane with workman basket acc. 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

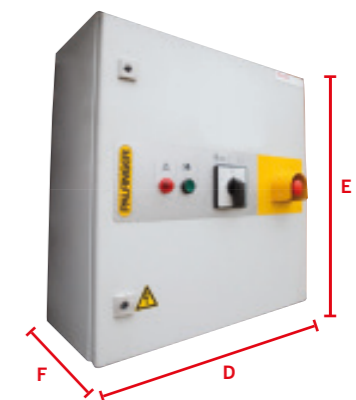
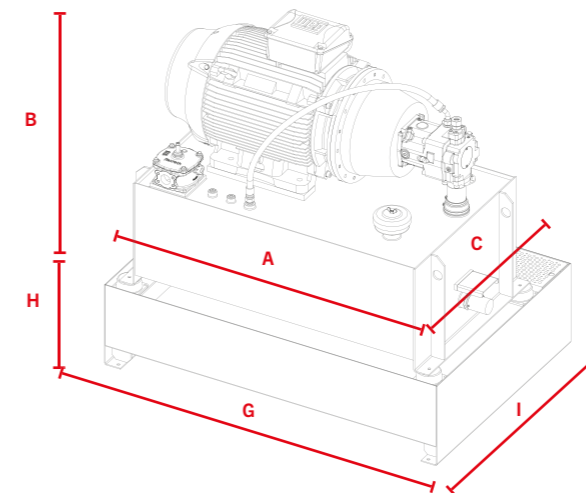
Screw-in heater 1050 Watt

EEA11014

EA11014

EEA11014

EEA11014



HYBRID DRIVE

With the PALFINGER hybrid drive, we offer an efficient solution for the mobile use of the crane in noise and emission sensitive areas. By adapting these units to the specific requirements of the crane, a simple and efficient electro-hydraulic operation can be ensured.



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

STARKE ARGUMENTE

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

“WATCH THE VIDEO ON YOUTUBE”



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		

BENEFITS FOR CUSTOMER

- Reduction of noise pollution
- No exhaust gases at the construction site
- Environmentally friendly solution

BENEFITS FOR EMPLOYEE

- Quick and smooth working of the crane due to the power controlled load sensing pump
- Facilitated conversation with other employees due to the reduced noise pollution
- Environmentally friendly solution

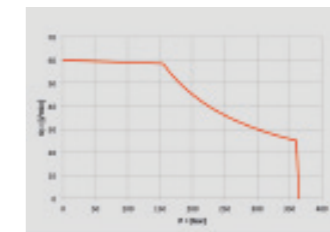
BENEFITS FOR ENTREPRENEUR

- 80% cost effective saving of energy in crane operation*
- Saving of operating hours on the truck
- Possibility to work in buildings and noise sensitive areas (hospitals, schools...)
- Environmentally friendly solution

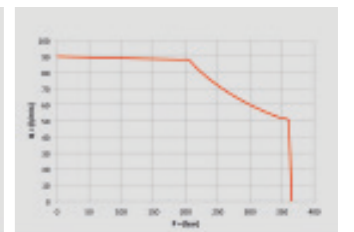
*depending on the extent of use and the country-specific prices for energy and fuel

PLEASE CONSIDER

- Position the oil tank as high as possible
- Only the use of LED lightning on the crane is possible
- Wiring in the control cabinet is to carry out by a certified specialist according wiring diagram
- Due to the power-controlled pump the operating speed of the crane is reduced compared to the conventional hydraulic drive (see performance curve)



Power regulation 15 [kW]



Power regulation 30 [kW]

EMERGENCY POWERPACK

EMERGENCY POWERPACK FOR WORKMAN BASKET

In order to ensure a 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, but is also recommended for NON-CE cranes.

The emergency drive is available as a hydraulic kit for constant or variable displacement pumps for 24V. In the hydraulic kit. All necessary hydraulic components, such as non-return valves, pressure gauges, etc., are included. The hydraulic unit is also available as a loose part (12V / 24V).



ATTENTION: The drive is designed exclusively for emergency and not for standard operation. The hydraulic and electrical connection has to be made according to the building guidelines of PALFINGER. Be sure to observe the specifications of the carrier vehicle! For the electrical connection, the corresponding cable cross sections to be observed (90mm²).

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



PALFINGER is the only crane manufacturer that offers a complete additional stabilizer range!

- Developed and produced at PALFINGER
- Simple and ideal integration into the stability system of the crane - "Plug & Play"
- Low dead weight = Higher payload
- High permissible supporting forces up to 240 kN
- All supporting cylinders are equipped with tiltable stabilizer pads (Conform to EN12999)
- Fully variable supporting position available
- Up to 50% improved stability
- Protected hoses and cables due to the inside mounting
- Maintenance optimized outrigger system
- High working speed due to return oil utilization
- High quality KTL coating prevents corrosion

PALFINGER RECOMMENDATION

The following table can be used for selecting the additional stabilizers for the respective crane model in combination with the truck wheel formula. Due to the variety of trucks and cranes, unrealizable combinations can occur.

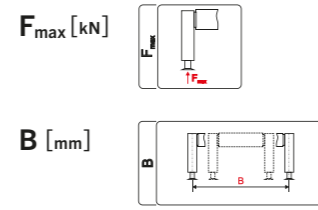
This table is only a general information and does not replace an axle load calculation and stability analysis!

Crane model	Truck wheel drive	Front mounting with platform	Semi-trailer truck	Rear mounting with platform
PK 17.001 SLD 1 - PK 19.001 SLD 5	4 x 2	BS002 + STZS (BS002 + STZY3) (BS001 + STZS) (BS001 + STZY3)	BS003 + STZS (BS002 + STZS)	BS002 + STZS (BS001 + STZS)
	6 x 4	BS002 + STZS (BS002 + STZY3) (BS001 + STZS) (BS001 + STZY3)	BS003 + STZS (BS002 + STZS)	BS002 + STZS (BS001 + STZS)
PK 19.001 SLD 5 - PK 24.001 SLD 5	4 x 2	BS002 + STZS (BS002 + STZY3) (BS001 + STZS) (BS001 + STZY3)	BS003 + STZS (BS002 + STZS)	BS002 + STZS (BS001 + STZS)
	6 x 4	BS002 + STZS (BS002 + STZY3) (BS001 + STZS) (BS001 + STZY3)	BS003 + STZS (BS002 + STZS)	BS002 + STZS (BS001 + STZS)

Crane model	Truck wheel drive	Front mounting with platform	Semi-trailer truck	Rear mounting with platform
PK 24.001 SLD 5 - PK 33002 EH	4 x 2	BS003 + STZS (BS003 + STZY3) (BS002 + STZS) (BS004 + STZY3)	BS003 + STZS	BS003 + STZS (BS003 + STZS + STÜ07) (BS002 + STZS)
	6 x 4	BS003 + STZS (BS003 + STZY3) (BS002 + STZS) (BS004 + STZY3)	BS003 + STZS	BS003 + STZS (BS003 + STZS + STÜ07) (BS002 + STZS)
	8 x 4	BS003 + STZS (BS003 + STZY3) (BS002 + STZS) (BS004 + STZY3)	BS003 + STZS	BS003 + STZY3 (BS004 + STZY3)
PK 34002 SH - PK 42002 SH	4 x 2	BS005 + STZS (BS003 + STZY3) (BS004 + STZY3)	BS005 + STZS (BS007 + STZS)	BS003 + STZS (BS005 + STZS + STÜ07)
	6 x 4	BS005 + STZS (BS003 + STZY3) (BS004 + STZY3)	BS005 + STZS (BS007 + STZS)	BS003 + STZS (BS005 + STZS + STÜ07)
	8 x 4	BS005 + STZS (BS003 + STZY3) (BS004 + STZY3)	BS005 + STZS (BS007 + STZS)	BS003 + STZY3 (BS004 + STZY3)
PK 480 TEC - PK 580 TEC	4 x 2	BS007 + STZS (BS005 + STZS)	BS007 + STZS (BS005 + STZS)	BS004 + STZS
	6 x 4	BS007 + STZS (BS005 + STZS)	BS007 + STZS (BS005 + STZS)	BS004 + STZS
	8 x 4	BS007 + STZS (BS005 + STZS) (BS006 + STZY3)	BS007 + STZS	BS006 + STZY3 (BS005 + STZS)
PK 580 TEC - PK 65002 SH	6 x 4	BS007 + STZS (BS006 + STZY3) (BS019 + STZS)	BS007 + STZS (BS019 + STZS)	BS018 + STZS (BS019 + STZS)
	8 x 4	BS007 + STZS (BS018 + STZS) (BS019 + STZS)	BS007 + STZS (BS019 + STZS)	BS018 + STZS (BS006 + STZY3)
PK 78002 SH	6 x 4	BS007 + STZS (BS018 + STZS) (BS019 + STZS)	BS007 + STZS (BS019 + STZS)	BS018 + STZS (BS019 + STZS)
	8 x 4	BS007 + STZS (BS018 + STZS) (BS019 + STZS)	BS007 + STZS (BS019 + STZS)	BS018 + STZS (BS006 + STZY3)
PK 92002 SH - PK 110002 SH	6 x 4	-----	-----	(**)
	8 x 4	BS019 + STZS (BS1242A + STZS+STÜ04)	BS019 + STZS (BS1242A + STZS+STÜ04)	BS1242A + STZS (BS019 + STZS) (BS1286A + STZY)
PK 1350 TEC - PK 1650 TEC	6 x 4	-----	-----	-----
	8 x 4	BS1242A + STZS+STÜ04 (BS019 + STZS)	BS1242A + STZS+STÜ04 (BS019 + STZS)	-----
	10 x 4	BS1242A + STZS+STÜ04 (BS019 + STZS + STÜ11)	BS1242A + STZS+STÜ04 (BS019 + STZS + STÜ11)	-----

(**) Special solution on demand (...) Articles in brackets are possible alternatives

ADDITIONAL STABILIZERS CONFIGURATION POSSIBILITIES



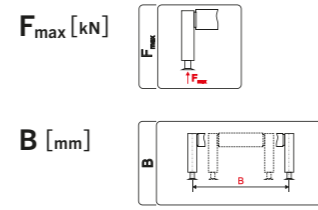
- standard
 - optional
 - not available
- ¹ Also available for cranes with HPSC
 - ² Not in combination with STÜ07
 - ³ Obligatory for EN-12999
 - ⁴ Without transport monitoring outriggers



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
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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 ¹	●	○	●	○	●	○	--	--	--	--	--	--	--	--
	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 _{man}	●	●	●	●	--	--	--	--	--	--	--	--	--	--
	Hydraulic extendable outrigger	RX _{hydr}	--	--	--	--	●	●	●	●	●	●	●	●	●	●
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 ram²	100 mm extension	STT100	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	200 mm extension	STT200	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Electric	24 Volt	24V	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	12 Volt	12V	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Plug & Play Connection	S-IQ ³	○	--	○	--	○	--	○	--	○	--	○	--	○	--
	Transport monitoring system outriggers	AUSW	●	--	●	○	●	○	●	○	●	○	●	○	●	○
	Transport monitoring system outriggers + stabilizer cylinders	ABSTW	○ ⁴	○ ⁴	○	○	○	○	○	○	○	○	○	○	○	○
	LED lightning package	BEL	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Others	Side protection cover outrigger	ADECK	●	○	●	○	●	○	●	○	●	○	●	○	●	○
	Base coated	GRUND	●	●	●	●	●	●	●	●	●	●	●	●	●	●

ADDITIONAL STABILIZERS CONFIGURATION POSSIBILITIES



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



BS007 $F_{max} = 160 \text{ kN}$ $B = 5900 \text{ mm}$
 BS017 $F_{max} = 120 \text{ kN}$ $B = 5200 \text{ mm}$
 BS018 $F_{max} = 160 \text{ kN}$ $B = 5900 \text{ mm}$
 BS019 $F_{max} = 200 \text{ kN}$ $B = 7100 \text{ mm}$
 BS1242A-1 $F_{max} = 210 \text{ kN}$ $B = 8500 \text{ mm}$
 BS1286A $F_{max} = 240 \text{ kN}$ $B = 8600 \text{ mm}$
 BS1298A $F_{max} = 240 \text{ kN}$ $B = 8600 \text{ mm}$

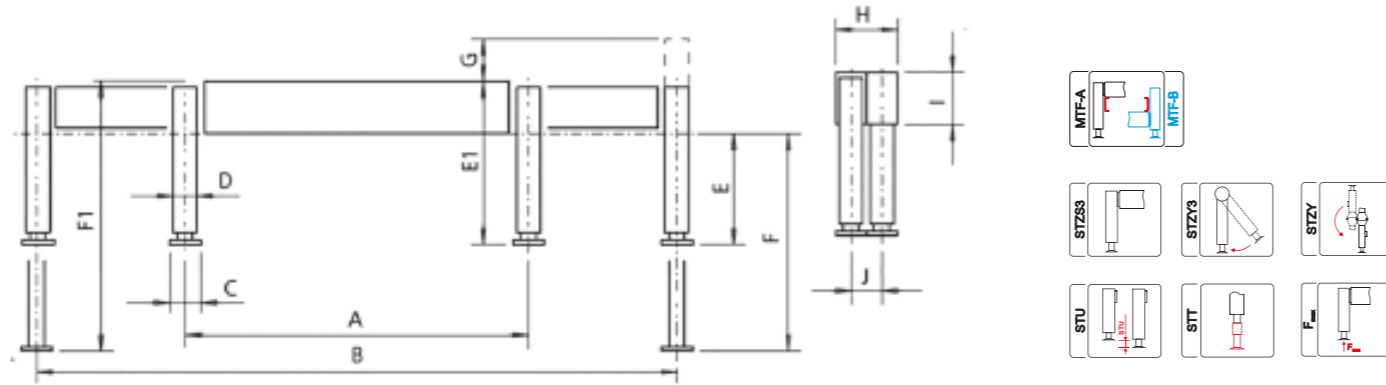
- without return oil utilization
- conventional outrigger system

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 ¹	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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 _{man}	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Hydraulic extendable outrigger	RX _{hydr}	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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 ram²	100 mm extension	STT100	○	○	○	○	○	○	--	--	--	--	--	--	--	--
	200 mm extension	STT200	○	○	○	○	○	○	--	--	--	--	--	--	--	--
Electric	24 Volt	24V	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	12 Volt	12V	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Plug & Play Connection	S-IQ ³	○	--	○	--	○	--	○	--	○	--	○	--	○	--
	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 _{max} [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	150	130	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			
	STZY	--			333				E-972	F-1542	90			
BS003	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			
	STZY3	--			514				E-825	F-1300	--			
	STZY	--			538				E-881	F-1411	--			
BS004	STZS3 MTF-A	--			600				E-675	F-1255	25			
	STZS3 MTF-A	STÜ07			620				E-874	F-1629	25			
	STZY3	--	120	5200	624	2323	230	127	E-825	F-1300	--	320	200	154
	STZY	--			648				E-881	F-1411	--			
BS005	STZS3 MTF-B	--	140	5200	540	2323	230	127	E1-400	F1-870	374	250	335	119
	STZS3 MTF-B	STÜ05			555				E1-570	F1-1150	374			
BS006	STZS3 MTF-A	--			790				E-650	F-1230	55			
	STZS3 MTF-A	STÜ07			810				E-849	F-1604	55	400	250	234
	STZY3	--	160	5900	810	2323	230	127	E-800	F-1275	--			
	STZY	--			845				E-856	F-1386	--			
BS007	STZS3 MTF-B	--	160	5.900	720	2323	230	127	E1-400	F1-870	380	322	354	237
	STZS3 MTF-B	STÜ05			735				E1-570	F1-1150	330			
BS017	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
BS019	STZS3 MTF-A	--			1345				E-611	F-1221	14			
	STZS3 MTF-B	--			1335				E1-320	F1-620	394			
	STZS3 MTF-B	STÜ11	200	7100	1345	2100	300	146	E1-320	F1-699	473	616	327	290
	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

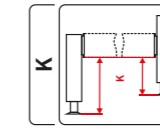
Control Valve	Code	Fits on
2-way valve with integrated return oil utilization	US1070**	BS1242A-1
4-way valve without return oil utilization	US891	BS002H-BS007, BS017-BS019, BS1242A-1*, BS1286A, BS1298A
2-way valve without return oil utilization	KSC00012C**	BS001-BS007, BS017-BS019 Front- & Frame stabilizers

* 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 up to 300 kN
- Integrated stability control
- Simple and efficient integration into the Stability system



Front Stabilizers	Code	F _{max} * [kN]	Total length [mm]	Stroke [mm]	Weight [kg]
1 pcs. front stabilizer incl. support control switch	BS1322B	100	730	450	49
1 pcs. front stabilizer incl. support control switch and S-IQ	BS1322B+SIQ	100	730	450	50
2 pcs. BS1322B incl. support control switch and S-IQ cable harness for 2 cylinders	KSZ00419A+SIQ	100	730	450	100
1 pcs. front stabilizer incl. support control switch	BS1323B	150	990	655	79
1 pcs. front stabilizer incl. support control switch and S-IQ	BS1323B+SIQ	150	990	655	80
2 pcs. BS1323B incl. support control switch and S-IQ cable harness for 2 cylinders	KSZ00420A+SIQ	150	990	655	160
1 pcs. front stabilizer incl. support control switch	KSZ00284A	200	780	450	79
1 pcs. front stabilizer incl. support control switch and S-IQ	KSZ00284A+SIQ	200	780	450	80
2 pcs. KSZ00284A incl. support control switch and S-IQ cable harness for 2 cylinders	KSZ00421A+SIQ	200	780	450	160
1 pcs. front stabilizer incl. support control switch	KSZ00286A	300	810	450	89
1 pcs. front stabilizer incl. support control switch and S-IQ	KSZ00286A+SIQ	300	810	450	90
2 pcs. KSZ00286A incl. support control switch and S-IQ cable harness for 2 cylinders	KSZ00422A+SIQ	300	810	450	180
1 pcs. front stabilizer incl. support control switch	KSZ00440A	196	630	300	70
1 pcs. front stabilizer incl. support control switch and S-IQ	KSZ00440A+SIQ	196	630	300	71
2 pcs. KSZ00440A incl. support control switch and S-IQ cable harness for 2 cylinders	KSZ00441A+SIQ	196	630	300	141
1 pcs. front stabilizer incl. support control switch	KSZ00443A	98	630	300	45
1 pcs. front stabilizer incl. support control switch and S-IQ	KSZ00443A+SIQ	98	630	300	46
2 pcs. KSZ00443A incl. support control switch and S-IQ cable harness for 2 cylinders	KSZ00444A+SIQ	98	630	300	91

* max. permissible dyn. Stabilizer force per stabilizer cylinder

Frame stabilizers	Code	F _{max} [kN]	Total length [mm]	Stroke [mm]	K [mm]	Weight [kg]
2 pcs. rigid stabilizer rams STZS3	BS1333	85	770	450	385	105
2 pcs. rigid stabilizer rams STZS3	BS1334	85	760	415	615	105
2 pcs. rigid stabilizer rams STZS3	BS1335	85	985	630	830	125

FRONT STABILIZER KITS

PALFINGER is the only crane manufacturer that offers a complete range of front stabilizers.

- A screwable system that is optimally adapted to the respective truck chassis reduces material and installation costs
- Ideal transmission of force through the specially adapted cross beams and connections to the respective vehicle frames
- Compact design thanks to the integration of the support cylinder into the cross beam
- Cylinder lengths optimized for each chassis variant
- Simple and ideal integration into the HPSC stability system of the crane via S-IQ - Plug & Play
- Due to the included pressure transducers (or pressure switches for non-S-IQ), the kits have an integrated, adjustable frame overload protection system
- The special designed air intakes of the covers ensure good ventilation of the engine when the vehicle is stationary
- Maximum operational safety due to the transport position monitoring of the support cylinder
- Developed and tested by the PALFINGER MCC (Mounting Competence Center) in cooperation with the 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 grid 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	○	○

* 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.

MAN TGS & TGX

Option	Description	Code	KSZ00474A
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	○

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	○

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	○	○

SCANIA P / R / G –SERIE - FRAME 957 OR 958

Option	Description	Code	KSZ00326A	KSZ00327A
Cooler width	cooler width = 1020 mm	1020mm	○	--
	cooler width = 1140 mm	1140mm	--	○
Pull straps	pull straps kit with towing load 250kN	KMG06247A	○	--
	pull straps kit with towing load 250kN	KMG06248A	--	○
Adaption plate	adaption plate for steel bumper	BZ488	○	○
Cover	cover for front stabilizer kit for SCANIA with plastic bumper	CCS60000-30	○	○
	cover for front stabilizer kit for SCANIA with steel bumper	CCS60000-50	○	○
	cover cap 50mm	CCS60000-6001	○	○
	cover cap 100mm	CCS60000-6002	○	○
Stabilizer intelligence	Plug & Play connection (obligatory with SH and TEC cranes)	S-IQ	○	○

- standard
- optional
- not available



FRONT STABILIZER KITS

TECHNICAL DATA

ATTENTION

The max. 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	450	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	150	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	147	116	300	245 / 25
MAN TGS & TGX	KSZ00474A +STÜ11	Single stabilizer +75 mm	147	122	375	245 / 25
MAN TGS & TGX	KSZ00474A +STÜ04	Single stabilizer +150 mm	147	127	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
SCANIA G / P / R	KSZ00326A	Single stabilizer standard	196	180	450	245 / 25
SCANIA G / P / R	KSZ00327A	Single stabilizer standard	196	180	450	245 / 25

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
- Even at low temperatures - no risk of breakage
- Suitable transport boxes available for all sizes
- Fast and safe locking of the stabilizer pads 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 500 x 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
bracket for 2 square pads galvanized	EZ2236-800	854x814x109	12	EFA 439
	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

* only useable when box is mounted vertically

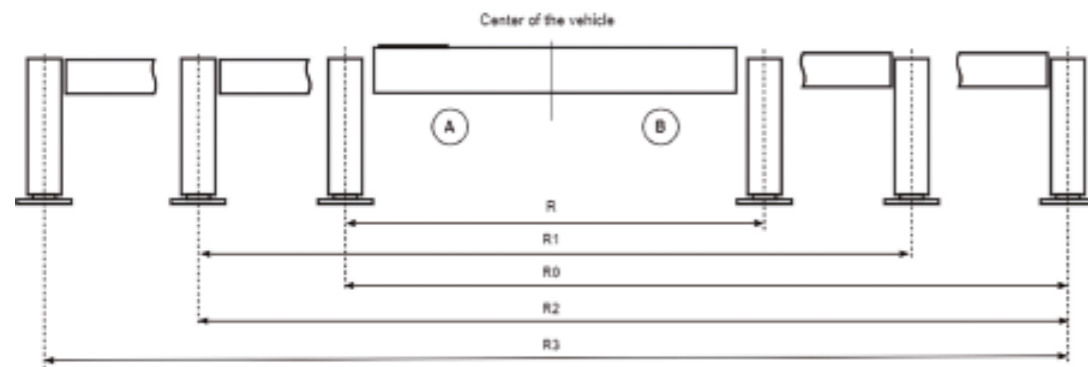
STABILIZERS PC-CRANE CONFIGURATION POSSIBILITIES AND DIMENSIONS

- All support frames delivered in the EU must comply with EN12999.
- Cranes with load distribution less than 1000 kg or less than 40 kNm lifting torque (PC1500) do not need to be monitored for stability
- For non-EU countries the 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	--	--	--	--	○	○	○	○	○	○



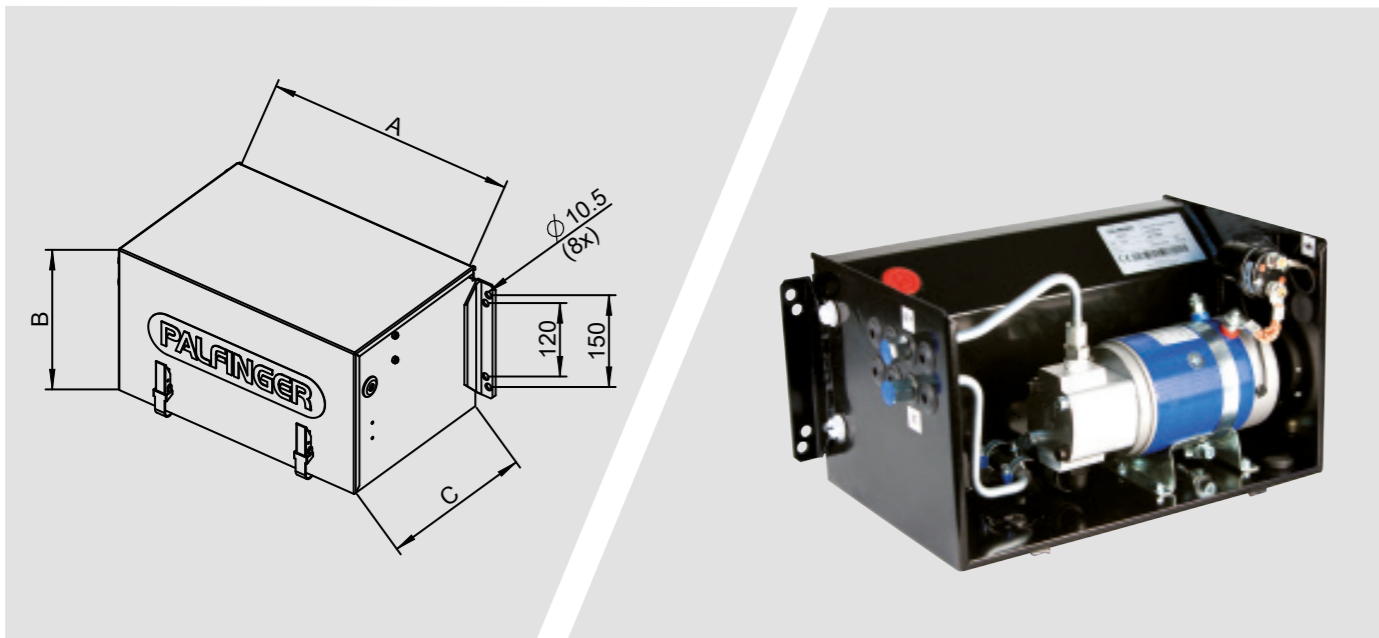
Stabilizer	Crane Type	Cylinder Variant	Weight [kg]					F _{max} A / B [kN]					Dimensions [mm]						
			R	R0	R1	R2	R3	R	R0	R1	R2	R3	R	R0	R1	R2	R3		
BS008	PC 2700	STZS5	78					31,2/-											
	PC 1500	STZS5 (STU07)	82					15,9/-											
BS010	PC 3800	STZS5	132	161	191														
		STZS5 (STU07)	144	174	203				55,4/41	23,8/40,8	23,5/17,8		1688	2952	4216				
		STZY5	135	165	194														
BS013	PC 2700 (STZS5)	STZS5	115	130	135	145		38,6/30											
		STZS5 (STU07)	120	135	140	150			24,4/19	17,1/18,7	17/13,2								
	PC 1500 (STZS5)	STZY5	120	135	140	150		21,2/14,3											
BS014	PC 2700	STZY5 (STU6)	130	145	150	160			13,4/9,1	9,5/8,8	9,3/7,2								
	PC 2700	STZS5	115											1726	2826				
	PC 1500	STZS5 (STU07)	120						9,4/12,9										

POWERPACKS FOR PC-CRANES

A SUITABLE AGGREGATE FOR EACH PC – CRANE MODEL

- Creates hydraulic power without 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 to use 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 ²	EP1981B
EEA9847A	Cable kit 6 m - 50 mm ²	
EEA9836A	Cable kit 6 m - 70 mm ²	EP1980C / EP1984C *
EEA9848A	Cable kit 6 m - 95 mm ²	EP1983C *

* If the cable kit is shortened to 4 m, the next smaller cable cross section can be used

ATTENTION

- The unit is not suitable for continuous operation
- Observe the vehicle specifications. The electrical system must not be overloaded
- Use the strongest available alternator and battery - second battery is recommended
- Operation of the unit only with the engine running
- Winch operation is not possible



Construction guidelines



Professional Installation Solutions

PALFINGER CUSTOMIZED SUBFRAMES

Individual PALFINGER subframes adapted to any crane-truck combination to get the most out of stiffness and weight for optimal crane performance and vehicle stability. All frames are made of high-quality fine-grained steel and can be installed quick and easy.



For further information please contact your local PALFINGER partner or responsible Area Sales Manager.

SEMI-OPEN SUBFRAMES WITHOUT ADDITIONAL STABILIZERS



- For rear mounted cranes < 30 mt
- Lightweight design
- Warp-resistant features below the crane - warp-soft features below the platform

CLOSED SUBFRAMES WITHOUT ADDITIONAL STABILIZERS



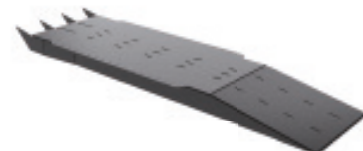
- For cranes < 30 mt
- Warp-resistant design

CLOSED SUBFRAMES WITH ADDITIONAL STABILIZERS



- For cranes > 30 mt
- Warp-resistant design
- Preparation for PALFINGER additional stabilizers
- Integrated container locks optional

CLOSED SUBFRAMES FOR INTEGRAL CRANE BASE



- For cranes > 60 mt
- Warp-resistant design
- Optional with preparation for fifth wheel installation

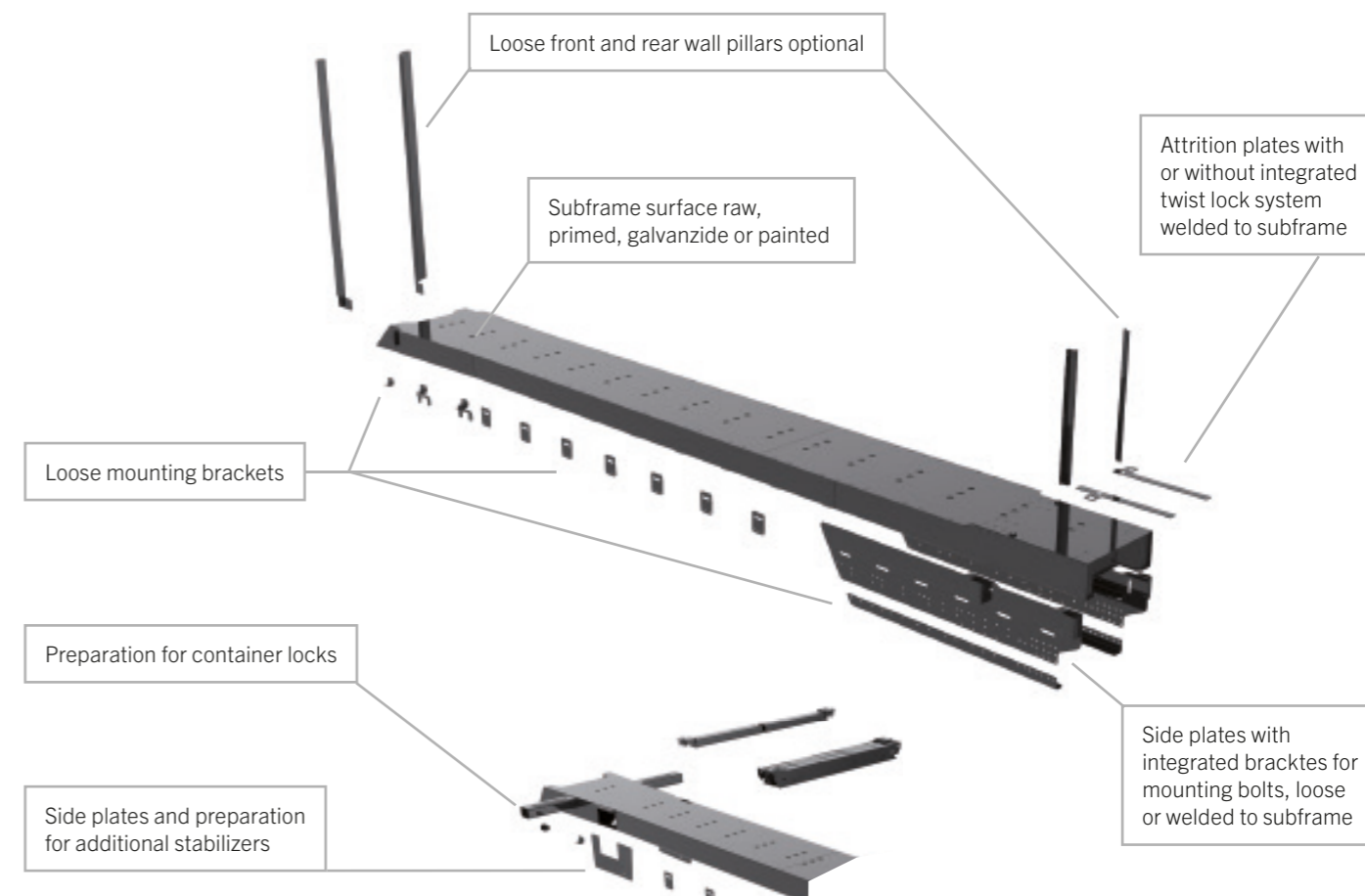
SUBFRAME SPECIFICATION

Customized subframes can be ordered from the PALFINGER Mounting Competence Center by specification of the following parameters:

- Truck FIN- or order-number
- Vehicle specification and drawings
- Crane model
- Position of the crane
- Additional stabilizers model
- Position of the additional stabilizers
- Special equipment (e.g. container locks, fifth wheel, trailer coupling,...)

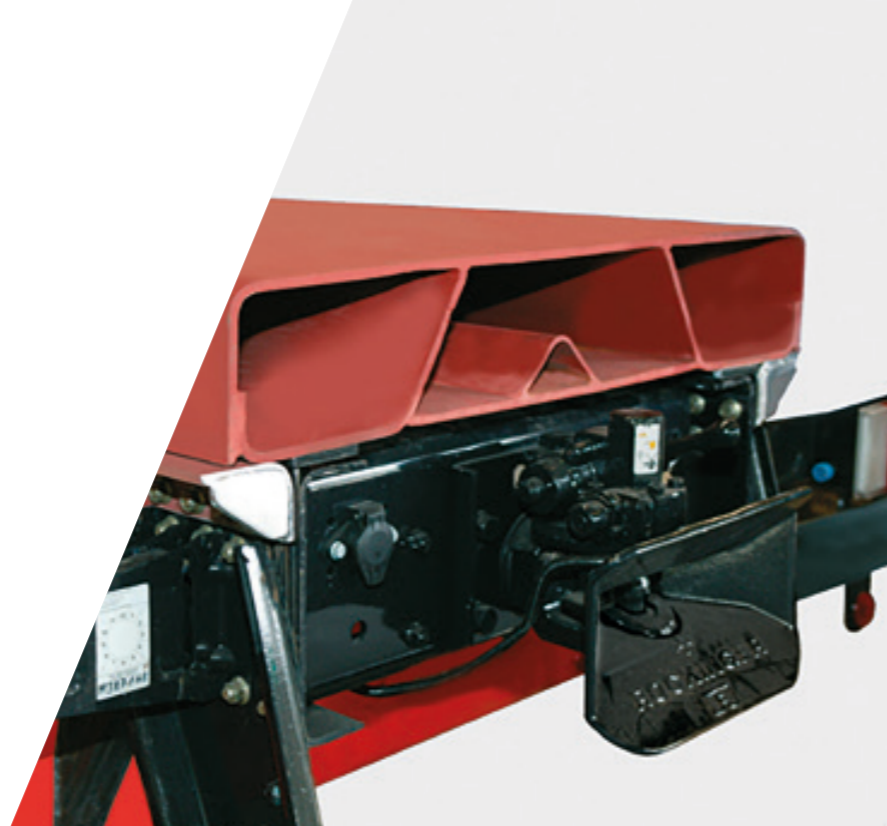


SUBFRAME OPTIONS



PALFINGER STANDARD SUBFRAMES

- Improved installation quality by using prefabricated modules
- All frames are supplied prime coated for transport
- Manufactured from fine-grained steel S690
- Ideally combined with the PALFINGER L-form side plates and the PALFINGER brackets



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.

PALFINGER SUBFRAME MODULES

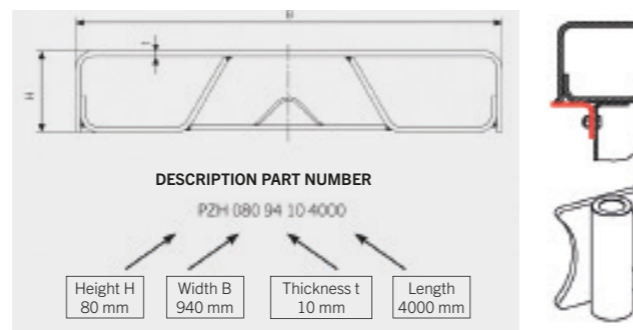
Code	Height [mm]	Length [mm]	Weight [kg]
PZH0809410+4000	80	4000	684
PZH0809410+6000	80	6000	1026
PZH0809412+4000	80	4000	808
PZH0808510+4000	80	4000	624
PZH0808510+6000	80	6000	936
PZH0808512+4000	80	4000	740
PZH1209410+4000	120	4000	808
PZH1209410+6000	120	6000	1212
PZH1209412+4000	120	4000	956
PZH1208510+4000	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

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



PROFESSIONELL AUFGEBAUT



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

Other lengths up to 8000 mm are available on request.

MOUNTING BOLTS



- Delivered before the crane to accelerate the overall mounting process.
- Examined and tested by PALFINGER
- Ideally compatible with PALFINGER crane models
- The best possible introduction of the force into the sub- and vehicle frame
- High-strength steel
- For the best possible mounting of the crane on the vehicle

Attention: In order to avoid double delivery with the separate ordering of the mounting bolts, BRI must NOT be selected in the crane configuration.

PK-MODELS

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 9002 EH				
PK 10002 SH				
PK 12002 EH				
PK 12502 SH				
PK 14002 EH				
PK 14502 SH				
PK 18002 EH				
PK 18502 SH				
PK 22002 EH				
PK 23002 SH				
PK 26002 EH				
PK 27002 SH				
PK 27001 EH				
PK 33002 EH				
PK 34002 SH				
PK 40002 EH				
PK 41002 MH				
PK 41002 EH				
PK 42002 SH				
PK 48002 MH				
PK 48002 EH				
PK 50002 EH				
PK 53002 SH				
PK 62002 EH				
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				

Crane model	BRI-3	BRI-3B	BRI-6	BRI-6B
PK 5.001 SLD 1/3				
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				
Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
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				
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				
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				
PK 250 TEC				
PK 295 TEC				
PK 300 TEC				
PK 365 TEC				
PK 370 TEC				
PK 480 TEC				
PK 580 TEC				
PK 1050 TEC				
PK 1350 TEC				

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 245 TEC				
PK 250 TEC				
PK 295 TEC				
PK 300 TEC				
PK 365 TEC				
PK 370 TEC				
PK 480 TEC				
PK 580 TEC				
PK 1050 TEC				
PK 1350 TEC				

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 18.001 L TEC 3				
PK 20.501 L TEC 3				
PK 22.001 L TEC 7				
PK 23.001 L TEC 3				
PK 26.001 L TEC 7				

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PK 18.001 L TEC 3				
PK 20.501 L TEC 3				
PK 22.001 L TEC 7				
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				
PK 15500T EH				
PK 17500T				
PK 19500T EH				

PW - MODELS

Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PW 32001				
PW 35001 SH				
PW 38001				
PW 38001EL				
PW 42001 SH				
PW 50001 SH				

ADDITIONAL STABILIZERS PC-CRANE

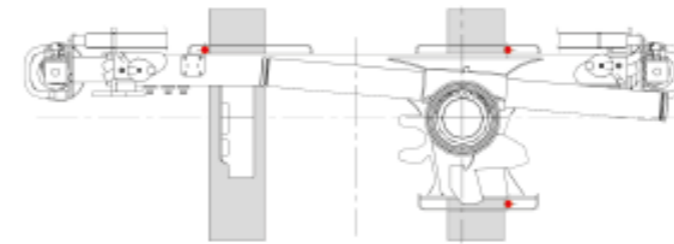
Stabilizers	BRI-6	BRI-6B	BRI-8B	BRI-8
BS009				
BS010				
BS013				
BS014				

PC-CRANES

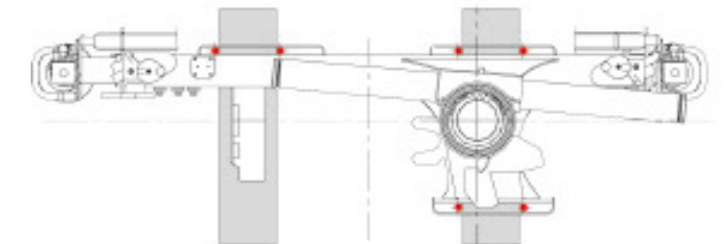
Crane model	BRI-4	BRI-4B	BRI-8	BRI-8B
PC 900				
PC 1500				
PC 2700				
PC 3800				

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

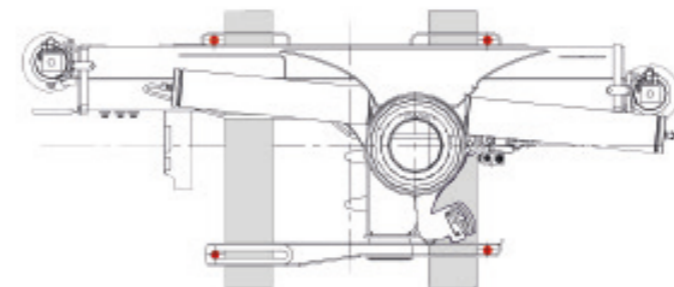
BRI-3 / BRI-3B



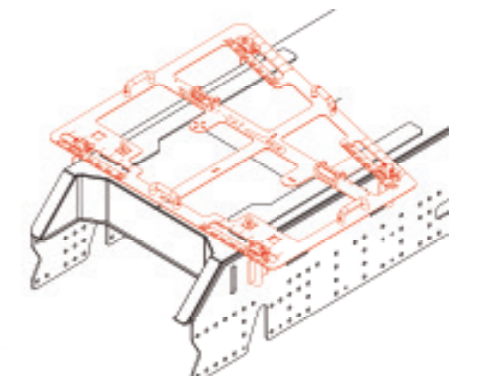
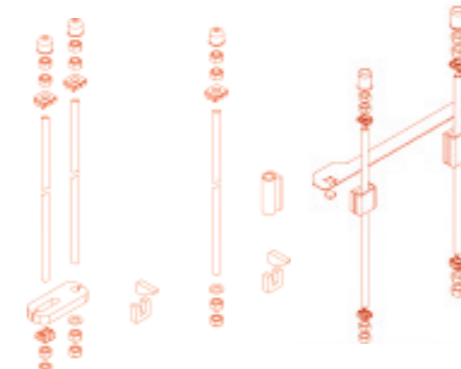
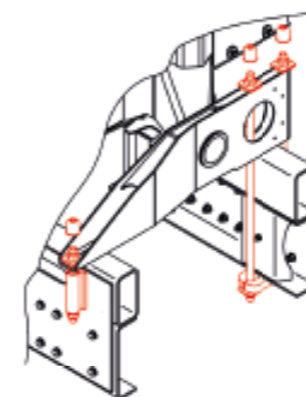
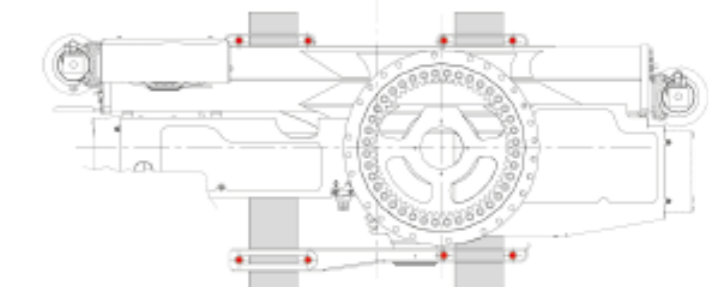
BRI-6 / BRI-6B



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
- Highest product quality and comfort
- High-quality optics
- Optimal corrosion protection
- Available in stainless steel, steel and plastic
- Variety of available dimensions
- Easy mounting by optional brackets



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

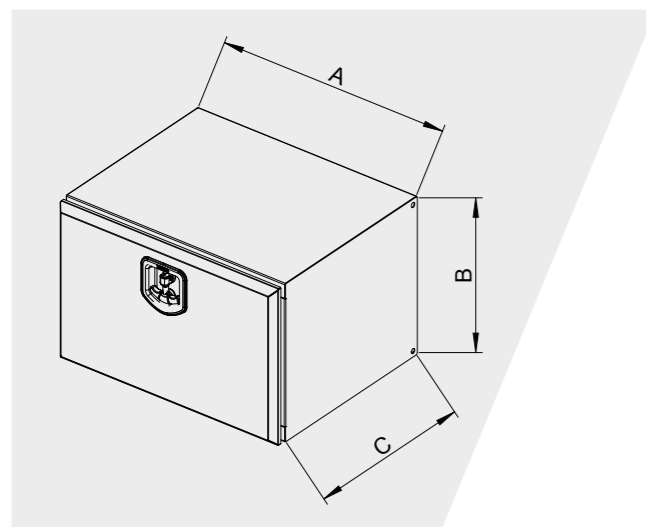
Fire extinguisher not included

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)

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: Plastics



TECHNICAL DETAILS

Stainless steel / Steel

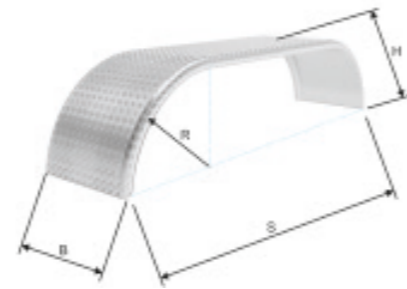
- Certified as side protection ECE-R73
- Gas pressure absorber
- Breath filter
- High quality anti-slip plastic
- Lockable (2 keys)
- Splash proofed
- Lid opening downwards - max. 90°
- sheet thickness 1,5mm

Plastic

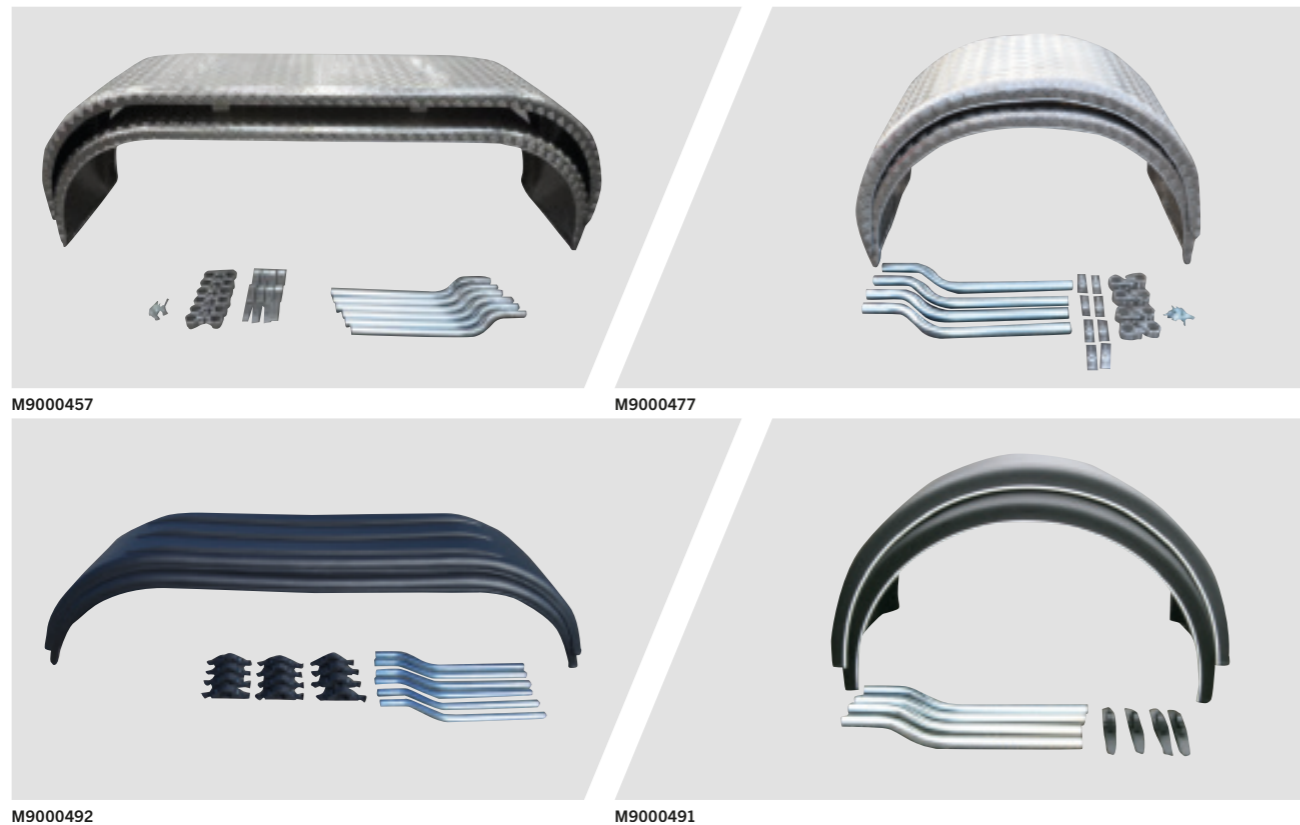
- Certified as side protection ECE-R73
- Extremely robust (shock resistant)
- Highest material quality
- High UV resistance
- Lockable (2 keys)

MUDGUARDS

No complicated searching and browsing in various catalogues.
With the PALFINGER mudguard kit you receive all required components uncomplicated - with only one number!



KIT



Kit	Code	Width [mm]	Length [mm]
Kit 2 axles aluminium mudguards	M9000457	650	2700
Kit 1 axle aluminium mudguards	M9000477	650	1280
Kit 2 axles plastic mudguards	M9000492	650	2700
Kit 1 axle plastic mudguards	M9000491	650	1280

SINGLE PARTS



All kit components can of course 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

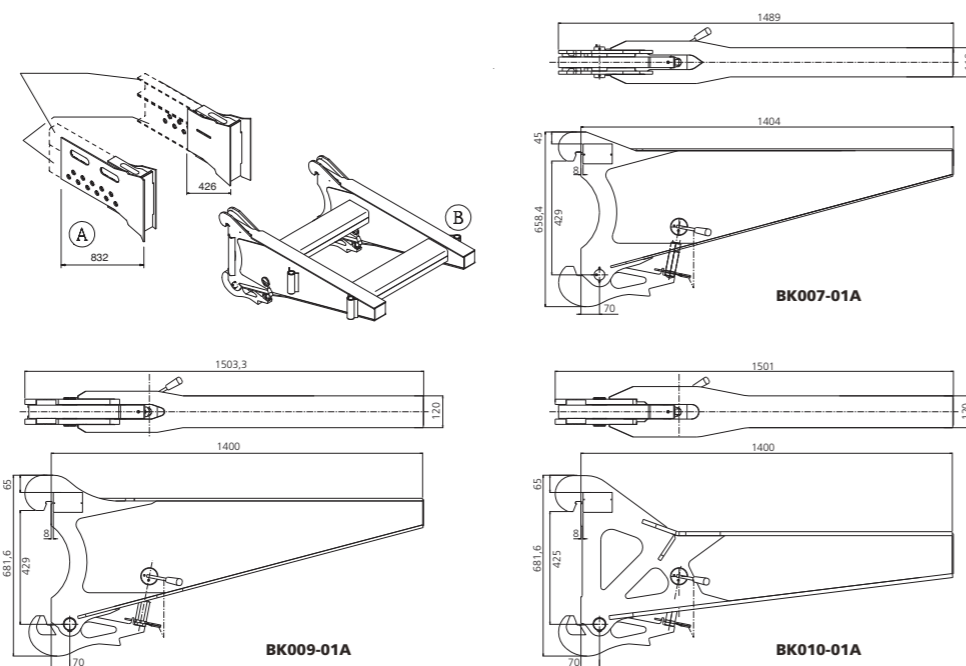
- Can be mounted to all kinds of vehicles
- The manual locking mechanism allows a coupling and decoupling within just a few minutes
- Full payload with decoupled crane possible
- Specially designed for the PALFINGER loader crane (PALFINGER Forestry and recycling cranes on request)



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 BKA009-01A	1 1	244 kNm 24,9 mt	(A) 142 (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 center of gravity outside the center

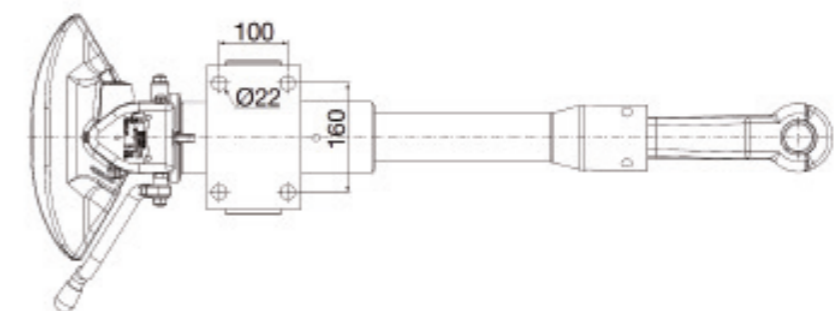
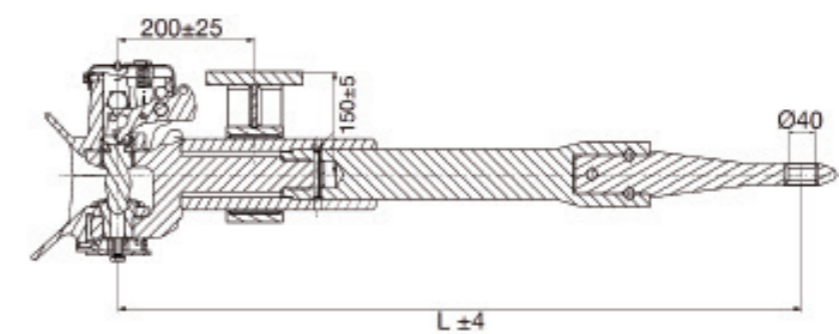


EXTENSION COUPLINGS

- High-quality friction-spring coupling
- For mounting on the rear demountable console
- Easy installation
- Extremely resistant dome muzzle



Code	Length L [mm]	Weight [kg]	D-Value [kN]	Dc-Value [kN]	V-Value [kN]	Admiss. Supporting load [kg]	ECE type approval
PZBK02-C	1000	65,5					
PZBK02-D	1150	70,5	120	92	35	1000	E11 55R-018313
PZBK02-E	1300	76					



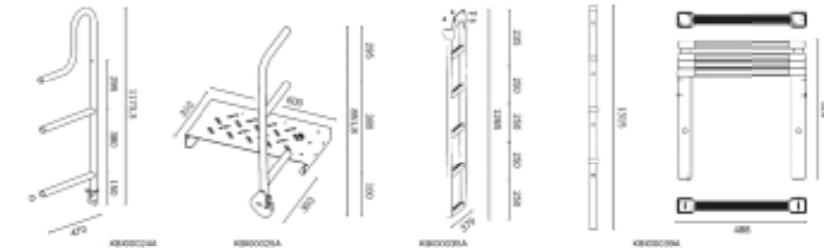
LATERAL PROTECTION DEVICES

- All required items can be order comfortably with only one article number
- Available in fixed or folding version
- ECE-certified
- The profile shape can be combined perfectly with the PALFINGER reflector tape

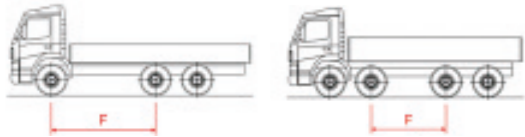


ACCESSORIES FOR HIGH STAND

- Guard rails for modification to rear mounting
- To close a possible gap between the crane and the driver's cabin, the standing platform can be extended
- The standing platform and the railing can be individually adapted onsite
- A loose ladder is available for the new high stand, the assembling to the high stand will be done by the body builder using 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]
KBI00024A	Railing	8
KBI00025A	Additional platform	16
KBI00035A	Access ladder	10
KBI00039A	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

- Optimum protection of the tail light
- Made of 3mm steel flap
- Optimal corrosion protection KTL-coating
- For standard rear lights 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

WORK LIGHTS



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 = 4,2 A	24 V = 1,0 A 12 V = 1,8 A	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					

OUTLINE MARKER



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	✓	✓	✓

POSITION- AND FLASH LIGHTS



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-MOUNTINGASM6+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.