

# Crane systems

## Marine Cranes

Palfinger<sup>systems</sup>



## Foldable Knuckle Boom Range „PK“

Marine cranes from Palfinger systems have everything needed for tough daily applications. Optimised synergy of function and design. All safety devices are hydraulic operated. No electrical systems are needed even to fulfil the safety requirements of class societies or EC regulations. This philosophy delivers easy maintenance and high levels of safety.

**Palfinger systems cranes are developed to meet a wide range of specific applications for Offshore, Ship-mounted and Onshore Applications.**



### PC 2300 M

■ Lifting capacity		■ Lifting moment		22.8 kNm	2.3 mt
max.	17.9 kN	1820 kg	Max. hydraulic outreach		4.1 m
2.0 m	10.2 kN	1040 kg	Max. manual outreach		5.1 m
3.1 m	7.0 kN	715 kg	Slewing angle		340°
4.1 m	5.2 kN	530 kg	Operating pressure		185 bar
5.1 m	3.7 kN	380 kg	Dead weight		230 kg
CE max.	9.7 kN	990 kg			



### PK 4501 M

■ Lifting capacity		■ Lifting moment		40.0 kNm	4.2 mt
max.	27.8 kN	2830 kg	Max. hydraulic outreach		11.1 m
3.6 m	11.1 kN	1130 kg	Max. manual outreach		12.7 m
5.1 m	7.7 kN	780 kg	Slewing angle		400°
7.1 m	5.1 kN	520 kg	Operating pressure		300 bar
9.0 m	3.5 kN	360 kg	Dead weight		525 kg
10.9 m	2.5 kN	250 kg			
12.5 m	2.0 kN	200 kg			



### PK 6501 M

■ Lifting capacity		■ Lifting moment		56.9 kNm	5.8 mt
max.	32.4 kN	3300 kg	Max. hydraulic outreach		11.2 m
3.5 m	15.7 kN	1600 kg	Max. manual outreach		12.9 m
5.3 m	10.3 kN	1050 kg	Slewing angle		400°
7.2 m	7.1 kN	720 kg	Operating pressure		310 bar
9.2 m	5.0 kN	510 kg	Dead weight		565 kg
11.1 m	3.5 kN	360 kg			
12.8 m	2.2 kN	220 kg			

### PK 8500 TM

■ Lifting capacity		■ Lifting moment		83.2 kNm	8.5 mt
max.	33.8 kN	3450 kg	Max. hydraulic outreach		10.5 m
4.4 m	19.6 kN	2000 kg	Max. manual outreach		14.6 m
6.3 m	12.8 kN	1300 kg	Slewing angle		400°
8.5 m	8.7 kN	890 kg	Operating pressure		300 bar
10.5 m	6.1 kN	620 kg	Dead weight		580 kg
12.5 m	4.7 kN	480 kg			
14.5 m	3.7 kN	380 kg			



## PK 8501 M

■ Lifting capacity			■ Lifting moment		74.0 kNm	7.5 mt
max.	55.9 kN	5700 kg	Max. hydraulic outreach		14.0 m	
3.6 m	20.3 kN	2070 kg	Max. manual outreach		15.8 m	
5.4 m	13.2 kN	1350 kg	Slewing angle		400°	
7.3 m	9.0 kN	920 kg	Operating pressure		310 bar	
9.4 m	6.3 kN	640 kg	Dead weight		790 kg	
11.6 m	4.2 kN	430 kg				
13.8 m	2.6 kN	270 kg				
15.7 m	2.1 kN	210 kg				

## PK 11001 M

■ Lifting capacity			■ Lifting moment		95.0 kNm	9.6 mt
max.	54.4 kN	5550 kg	Max. hydraulic outreach		14.2 m	
3.8 m	24.5 kN	2500 kg	Max. manual outreach		16.2 m	
5.6 m	16.3 kN	1660 kg	Slewing angle		400°	
7.6 m	11.3 kN	1150 kg	Operating pressure		310 bar	
9.7 m	7.9 kN	810 kg	Dead weight		880 kg	
11.8 m	5.6 kN	570 kg				
14.0 m	3.9 kN	400 kg				
15.9 m	3.1 kN	320 kg				



## PK 12000 M

■ Lifting capacity			■ Lifting moment		113.8 kNm	11.6 mt
max.	66.6 kN	6790 kg	Max. hydraulic outreach		14.6 m	
4.5 m	25.4 kN	2590 kg	Max. manual outreach		16.6 m	
6.1 m	18.7 kN	1910 kg	Slewing angle		420°	
8.1 m	13.3 kN	1360 kg	Operating pressure		300 bar	
10.2 m	9.6 kN	980 kg	Dead weight		970 kg	
12.2 m	7.1 kN	720 kg				
14.3 m	5.2 kN	530 kg				
16.4 m	3.7 kN	380 kg				



## PK 15500 M

■ Lifting capacity			■ Lifting moment		143.2 kNm	14.6 mt
max.	60.8 kN	6200 kg	Max. hydraulic outreach		14.5 m	
4.5 m	32.0 kN	3260 kg	Max. manual outreach		18.8 m	
6.1 m	23.3 kN	2380 kg	Slewing angle		420°	
8.0 m	16.6 kN	1690 kg	Operating pressure		300 bar	
10.1 m	12.1 kN	1230 kg	Dead weight		1160 kg	
12.2 m	8.9 kN	910 kg				
14.3 m	6.4 kN	650 kg				
16.5 m	5.1 kN	520 kg				
18.4 m	4.2 kN	430 kg				

## Foldable Knuckle Boom Range „PK“

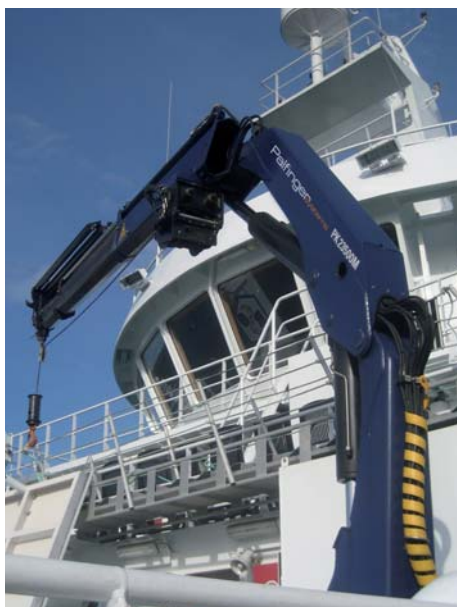


### PK 1850 M

■ Lifting capacity			■ Lifting moment	
max.	60.8 kN	6200 kg	180.0 kNm	18.4 mt
4.2 m	42.7 kN	4350 kg	Max. hydraulic outreach	14.6 m
6.1 m	29.4 kN	3000 kg	Max. manual outreach	18.8 m
8.0 m	21.3 kN	2170 kg	Slewing angle	400°
10.2 m	15.7 kN	1600 kg	Operating pressure	300 bar
12.3 m	12.0 kN	1220 kg	Dead weight	1660 kg
14.4 m	9.2 kN	940 kg		
16.6 m	7.6 kN	770 kg		
18.7 m	6.1 kN	620 kg		

### PK 2350 M

■ Lifting capacity			■ Lifting moment	
max.	60.8 kN	6200 kg	226.0 kNm	23.0 mt
4.2 m	53.4 kN	5450 kg	Max. hydraulic outreach	16.7 m
6.1 m	36.9 kN	3760 kg	Max. manual outreach	18.8 m
8.0 m	26.8 kN	2730 kg	Slewing angle	400°
10.1 m	20.0 kN	2040 kg	Operating pressure	300 bar
12.3 m	15.4 kN	1570 kg	Dead weight	1720 kg
14.4 m	11.9 kN	1210 kg		
16.5 m	9.4 kN	960 kg		
18.5 m	6.1 kN	620 kg		



### PK 32002 M

■ Lifting capacity			■ Lifting moment	
max.	105.8 kN	10580 kg	309.0 kNm	31.5 mt
4.3 m	68.7 kN	7000 kg	Max. hydraulic outreach	20.6 m
5.7 m	52.1 kN	5310 kg	Max. manual outreach	24.8 m
7.5 m	39.7 kN	4050 kg	Slewing angle	endless
9.5 m	29.7 kN	3030 kg	Operating pressure	300 bar
11.5 m	22.7 kN	2310 kg	Dead weight	2620 kg
13.7 m	17.2 kN	1750 kg		
15.9 m	12.9 kN	1310 kg		
18.2 m	9.2 kN	940 kg		
20.5 m	6.9 kN	700 kg		
22.6 m	5.7 kN	580 kg		
24.6 m	4.9 kN	500 kg		



### PK 46002 M

■ Lifting capacity			■ Lifting moment	
max.	137.3 kN	14000 kg	384.6 kNm	39.2 mt
4.1 m	93.2 kN	9500 kg	Max. hydraulic outreach	21.0 m
5.8 m	66.4 kN	6770 kg	Max. manual outreach	25.0 m
7.6 m	51.0 kN	5200 kg	Slewing angle	endless
9.6 m	38.8 kN	3960 kg	Operating pressure	315 bar
11.6 m	29.9 kN	3050 kg	Dead weight	3400 kg
13.9 m	22.6 kN	2300 kg		
16.3 m	17.7 kN	1800 kg		
18.6 m	13.7 kN	1400 kg		
20.8 m	10.7 kN	1090 kg		
23.0 m	8.8 kN	900 kg		
25.0 m	5.9 kN	600 kg		



## PK 50002 M

■ Lifting capacity			■ Lifting moment	
max.	166.4 kN	17000 kg	477.7 kNm	48.7 mt
4.4 m	104.4 kN	10640 kg	Max. hydraulic outreach	20.5 m
5.8 m	79.3 kN	8080 kg	Max. manual outreach	25.1 m
7.5 m	61.3 kN	6250 kg	Slewing angle	endless
9.4 m	47.2 kN	4810 kg	Operating pressure	300 bar
11.4 m	37.1 kN	3780 kg	Dead weight	4427 kg
13.7 m	28.5 kN	2910 kg		
15.8 m	22.6 kN	2300 kg		
18.0 m	17.7 kN	1800 kg		
20.4 m	14.2 kN	1450 kg		
22.7 m	11.9 kN	1210 kg		
25.0 m	10.2 kN	1040 kg		



## PK 65002 M

■ Lifting capacity			■ Lifting moment	
max.	205.9 kN	21000 kg	602.3 kNm	61.4 mt
4.4 m	132.0 kN	13460 kg	Max. hydraulic outreach	20.5 m
5.8 m	100.6 kN	10250 kg	Max. manual outreach	25.1 m
7.5 m	77.9 kN	7940 kg	Slewing angle	endless
9.4 m	60.6 kN	6180 kg	Operating pressure	300 bar
11.4 m	47.4 kN	4830 kg	Dead weight	4555 kg
13.7 m	37.1 kN	3780 kg		
15.8 m	29.7 kN	3030 kg		
18.0 m	23.9 kN	2440 kg		
20.4 m	19.3 kN	1970 kg		
22.7 m	16.5 kN	1680 kg		
25.0 m	12.8 kN	1300 kg		



## PK 90002 M

■ Lifting capacity			■ Lifting moment	
max.	245.1 kN	25000 kg	824.0 kNm	84 mt
4.4 m	176.6 kN	18000 kg	Max. hydraulic outreach	22.0 m
5.6 m	139.8 kN	14250 kg	Max. manual outreach	27.1 m
7.4 m	105.9 kN	10800 kg	Slewing angle	endless
9.2 m	85.8 kN	8750 kg	Operating pressure	330 bar
11.1 m	67.7 kN	6900 kg	Dead weight	5880 kg
13.1 m	54.4 kN	5550 kg		
15.2 m	43.7 kN	4450 kg		
17.3 m	35.3 kN	3600 kg		
21.9 m	23.1 kN	2350 kg		
24.3 m	19.6 kN	2000 kg		
26.9 m	16.2 kN	1650 kg		

## PK 150002 M

■ Lifting capacity			■ Lifting moment	
max.	281.5 kN	28700 kg	1146.0 kNm	116.8 mt
4.2 m	261.9 kN	26700 kg	Max. hydraulic outreach	21.5 m
5.3 m	208.0 kN	21200 kg	Max. manual outreach	26.9 m
6.9 m	161.2 kN	16430 kg	Slewing angle	endless
8.6 m	130.8 kN	13330 kg	Operating pressure	330 bar
10.5 m	104.6 kN	10660 kg	Dead weight	7060 kg
12.4 m	85.3 kN	8700 kg		
14.3 m	70.7 kN	7210 kg		
16.6 m	54.5 kN	5560 kg		
18.8 m	47.9 kN	4880 kg		
21.2 m	39.6 kN	4040 kg		
23.9 m	29.4 kN	3000 kg		
26.6 m	21.6 kN	2200 kg		

## Stiff Boom Range „PS“



### PS 11000 M

■ Lifting capacity SWL			■ Lifting moment	97.0 kNm	9.9 mt
5.0 m	17.5 kN	1780 kg	Max. heel and trim		5° 2°
6.0 m	14.3 kN	1460 kg	Slewing angle		400°
7.0 m	12.1 kN	1230 kg	Dead weight		770 kg
8.0 m	10.3 kN	1050 kg	Operating pressure		310 bar
10.0 m	7.7 kN	780 kg	Recommended pump capacity		25 l/min

### PS 15500 M

■ Lifting capacity SWL			■ Lifting moment	149.0 kNm	15.2 mt
6.0 m	22.6 kN	2300 kg	Max. heel and trim		5° 2°
8.0 m	16.2 kN	1650 kg	Slewing angle		420°
10.0 m	12.3 kN	1250 kg	Dead weight		1150 kg
12.0 m	9.8 kN	1000 kg	Operating pressure		300 bar
14.0 m	7.9 kN	800 kg	Recommended pump capacity		35 - 40 l/min



### PS 23500 M

■ Lifting capacity SWL			■ Lifting moment	237.0 kNm	24.2 mt
6.0 m	35.8 kN	3650 kg	Max. heel and trim		5° 2°
8.0 m	26.5 kN	2700 kg	Slewing angle		400°
10.0 m	20.6 kN	2100 kg	Dead weight		1550 kg
12.0 m	16.2 kN	1650 kg	Operating pressure		300 bar
14.0 m	13.3 kN	1360 kg	Recommended pump capacity		40 - 50 l/min

## Stiff Boom Range „PSM“



### PSM 200

■ Lifting capacity SWL			■ Lifting moment	
6.0 m	34.3 kN	3500 kg	214.0 kNm	21.8 mt
8.0 m	24.5 kN	2500 kg	Max. heel and trim	5° 2°
10.0 m	18.6 kN	1900 kg	Slewing angle	endless
12.0 m	13.7 kN	1400 kg	Dead weight	2675 kg
14.0 m	10.8 kN	1100 kg	Operating pressure	250 bar
16.0 m	8.8 kN	900 kg	Recommended pump capacity	40 - 50 l/min
			Self contained powerpack	

### PSM 400

■ Lifting capacity SWL			■ Lifting moment	
6.0 m	54.9 kN	5600 kg	340.0 kNm	34.7 mt
8.0 m	40.2 kN	4100 kg	Max. heel and trim	5° 2°
10.0 m	31.9 kN	3250 kg	Slewing angle	endless
12.0 m	24.5 kN	2500 kg	Dead weight	3170 kg
14.0 m	19.6 kN	2000 kg	Operating pressure	250 bar
16.0 m	16.7 kN	1700 kg	Recommended pump capacity	70 - 100 l/min
			Self contained powerpack	



### PSM 600

■ Lifting capacity SWL			■ Lifting moment	
6.0 m	98.1 kN	10000 kg	600.0 kNm	61.2 mt
8.0 m	72.6 kN	7400 kg	Max. heel and trim	5° 2°
10.0 m	56.9 kN	5800 kg	Slewing angle	endless
12.0 m	45.1 kN	4600 kg	Dead weight	4375 kg
14.0 m	37.3 kN	3800 kg	Operating pressure	250 bar
16.0 m	31.4 kN	3200 kg	Recommended pump capacity	100-120 l/min
18.0 m	27.5 kN	2800 kg	Self contained powerpack	
20.0 m	22.6 kN	2300 kg		



### PSM 900

■ Lifting capacity SWL			■ Lifting moment	
6.0 m	139.3 kN	14200 kg	852.0 kNm	86.9 mt
8.0 m	100.1 kN	10200 kg	Max. heel and trim	5° 2°
10.0 m	79.5 kN	8100 kg	Slewing angle	endless
12.0 m	64.7 kN	6600 kg	Dead weight	5900 kg
14.0 m	54.0 kN	5500 kg	Operating pressure	250 bar
16.0 m	46.1 kN	4700 kg	Recommended pump capacity	100-120 l/min
18.0 m	37.3 kN	3800 kg	Self contained powerpack	
20.0 m	31.4 kN	3200 kg		

### PSM 1200

■ Lifting capacity SWL			■ Lifting moment	
6.0 m	186.4 kN	19000 kg	1144.0 kNm	116.7 mt
8.0 m	139.3 kN	14200 kg	Max. heel and trim	5° 2°
10.0 m	110.8 kN	11300 kg	Slewing angle	endless
12.0 m	87.3 kN	8900 kg	Dead weight	7775 kg
14.0 m	71.6 kN	7300 kg	Operating pressure	250 bar
16.0 m	60.8 kN	6200 kg	Recommended pump capacity	150-170 l/min
18.0 m	52.0 kN	5300 kg	Self contained powerpack	
20.0 m	45.1 kN	4600 kg		
22.0 m	39.2 kN	4000 kg		
24.0 m	34.3 kN	3500 kg		



## PSM 1500

■ Lifting capacity SWL			■ Lifting moment		1424.0 kNm	145.2 mt
7.0 m	199.1 kN	20300 kg	Max. heel and trim		5° 2°	
8.0 m	174.6 kN	17800 kg	Slewing angle		endless	
10.0 m	138.3 kN	14100 kg	Dead weight		9160 kg	
12.0 m	109.9 kN	11200 kg	Operating pressure		250 bar	
14.0 m	92.2 kN	9400 kg	Recommended pump capacity		150-170 l/min	
16.0 m	78.5 kN	8000 kg	Self contained powerpack			
18.0 m	66.7 kN	6800 kg				
20.0 m	58.8 kN	6000 kg				
22.0 m	51.0 kN	5200 kg				
24.0 m	45.1 kN	4600 kg				



## PSM 1800

■ Lifting capacity SWL			■ Lifting moment		1791.0 kNm	182.6 mt
7.0 m	251.1 kN	25600 kg	Max. heel and trim		5° 2°	
8.0 m	218.7 kN	22300 kg	Slewing angle		endless	
10.0 m	173.6 kN	17700 kg	Dead weight		11400 kg	
12.0 m	139.3 kN	14200 kg	Operating pressure		250 bar	
14.0 m	115.7 kN	11900 kg	Recommended pump capacity		150-210 l/min	
16.0 m	100.0 kN	10200 kg	Self contained powerpack			
18.0 m	86.3 kN	8800 kg				
20.0 m	75.5 kN	7700 kg				
22.0 m	62.8 kN	6400 kg				
24.0 m	53.0 kN	5400 kg				

# Telescopic Boom Range „PTM“



## PTM 200

■ Lifting capacity SWL			■ Lifting moment	198.0 kNm	20.2 mt
6.0 m	32.4 kN	3300 kg	Max. heel and trim	5° 2°	
8.0 m	23.5 kN	2400 kg	Slewing angle	endless	
10.0 m	17.7 kN	1800 kg	Dead weight	2770 kg	
12.0 m	10.8 kN	1100 kg	Operating pressure	270 bar	
14.0 m	9.3 kN	950 kg	Recommended pump capacity	40 - 50 l/min	
Self contained powerpack					

## PTM 400

■ Lifting capacity SWL			■ Lifting moment	330.0 kNm	33.7 mt
6.0 m	52.0 kN	5300 kg	Max. heel and trim	5° 2°	
8.0 m	38.7 kN	3950 kg	Slewing angle	endless	
10.0 m	29.4 kN	3000 kg	Dead weight	3680 kg	
12.0 m	20.6 kN	2100 kg	Operating pressure	270 bar	
14.0 m	17.7 kN	1800 kg	Recommended pump capacity	70 -100 l/min	
Self contained powerpack					



## PTM 600

■ Lifting capacity SWL			■ Lifting moment	525.0 kNm	53.5 mt
6.0 m	75.5 kN	7700 kg	Max. heel and trim	5° 2°	
8.0 m	62.8 kN	6400 kg	Slewing angle	endless	
10.0 m	48.1 kN	4900 kg	Dead weight	5260 kg	
12.0 m	39.2 kN	4000 kg	Operating pressure	280 bar	
14.0 m	27.5 kN	2800 kg	Recommended pump capacity	100-120 l/min	
16.0 m	23.5 kN	2400 kg	Self contained powerpack		
17.0 m	21.6 kN	2200 kg			



## PTM 900

■ Lifting capacity SWL			■ Lifting moment	842.0 kNm	82.5 mt
6.0 m	98.1 kN	10000 kg	Max. heel and trim	5° 2°	
8.0 m	97.1 kN	9900 kg	Slewing angle	endless	
10.0 m	73.5 kN	7500 kg	Dead weight	7800 kg	
12.0 m	60.8 kN	6200 kg	Operating pressure	270 bar	
14.0 m	51.0 kN	5200 kg	Recommended pump capacity	150-170 l/min	
16.0 m	34.3 kN	3500 kg	Self contained powerpack		
18.0 m	29.4 kN	3000 kg			
20.0 m	26.5 kN	2700 kg			

## PTM 1200

■ Lifting capacity SWL			■ Lifting moment	1190.0 kNm	121.3 mt
6.0 m	117.7 kN	12000 kg	Max. heel and trim	5° 2°	
8.0 m	117.7 kN	12000 kg	Slewing angle	endless	
10.0 m	103.0 kN	10500 kg	Dead weight	11500 kg	
12.0 m	83.4 kN	8500 kg	Operating pressure	280 bar	
14.0 m	69.7 kN	7100 kg	Recommended pump capacity	150-170 l/min	
16.0 m	50.0 kN	5100 kg	Self contained powerpack		
18.0 m	43.7 kN	4450 kg			
20.0 m	38.3 kN	3900 kg			



## PTM 1500

■ Lifting capacity SWL			■ Lifting moment		1420.0 kNm	144.7 mt
6.0 m	147.2 kN	15000 kg	Max. heel and trim		5° 2°	
8.0 m	147.2 kN	15000 kg	Slewing angle		endless	
10.0 m	122.6 kN	12500 kg	Dead weight		16000 kg	
12.0 m	103.0 kN	10500 kg	Operating pressure		270 bar	
14.0 m	84.4 kN	8600 kg	Recommended pump capacity		150-170 l/min	
16.0 m	73.5 kN	7500 kg	Self contained powerpack			
18.0 m	60.8 kN	6200 kg				
20.0 m	52.9 kN	5400 kg				

## PTM 1800

■ Lifting capacity SWL			■ Lifting moment		1800.0 kNm	183.5 mt
6.0 m	147.2 kN	15000 kg	Max. heel and trim		5° 2°	
8.0 m	147.2 kN	15000 kg	Slewing angle		endless	
10.0 m	147.2 kN	15000 kg	Dead weight		19200 kg	
12.0 m	147.2 kN	15000 kg	Operating pressure		270 bar	
14.0 m	117.7 kN	12000 kg	Recommended pump capacity		150-210 l/min	
16.0 m	117.7 kN	12000 kg	Self contained powerpack			
18.0 m	103.0 kN	10500 kg				
20.0 m	79.5 kN	8100 kg				
22.0 m	69.7 kN	7100 kg				
24.0 m	58.9 kN	6000 kg				
26.0 m	45.1 kN	4600 kg				
28.0 m	36.3 kN	3700 kg				
30.0 m	32.4 kN	3300 kg				
32.0 m	24.5 kN	2500 kg				
34.0 m	19.6 kN	2000 kg				
36.0 m	17.7 kN	1800 kg				



## Knuckle Boom Range „PKM“



### PKM 150

■ Lifting capacity SWL			■ Lifting moment	167.0 kNm	17.0 mt
8.0 m	20.6 kN	2100 kg	Max. heel and trim		5° 2°
10.0 m	14.7 kN	1500 kg	Slewing angle		endless
12.0 m	10.8 kN	1100 kg	Dead weight		3040 kg
				Operating pressure	250 bar
				Recommended pump capacity	40 - 65 l/min
Self contained powerpack					

### PKM 250

■ Lifting capacity SWL			■ Lifting moment	290.0 kNm	29.6 mt
10.0 m	28.4 kN	2900 kg	Max. heel and trim		5° 2°
12.0 m	21.6 kN	2200 kg	Slewing angle		endless
14.0 m	17.2 kN	1750 kg	Dead weight		3750 kg
				Operating pressure	250 bar
				Recommended pump capacity	65 - 75 l/min
Self contained powerpack					



### PKM 350

■ Lifting capacity SWL			■ Lifting moment	430.0 kNm	43.8 mt
12.0 m	35.3 kN	3600 kg	Max. heel and trim		5° 2°
14.0 m	28.0 kN	2850 kg	Slewing angle		endless
16.0 m	22.6 kN	2300 kg	Dead weight		5465 kg
				Operating pressure	250 bar
				Recommended pump capacity	65 - 100 l/min
Self contained powerpack					

### PKM 550

■ Lifting capacity SWL			■ Lifting moment	660.0 kNm	67.3 mt
14.0 m	46.1 kN	4700 kg	Max. heel and trim		5° 2°
16.0 m	37.8 kN	3850 kg	Slewing angle		endless
18.0 m	31.4 kN	3200 kg	Dead weight		7430 kg
				Operating pressure	250 bar
				Recommended pump capacity	100-120 l/min
Self contained powerpack					



### PKM 750

■ Lifting capacity SWL			■ Lifting moment	855.0 kNm	87.2 mt
14.0 m	59.8 kN	6100 kg	Max. heel and trim		5° 2°
16.0 m	49.1 kN	5000 kg	Slewing angle		endless
18.0 m	40.7 kN	4150 kg	Dead weight		10210 kg
				Operating pressure	250 bar
				Recommended pump capacity	150-170 l/min
Self contained powerpack					

### PKM 1150

■ Lifting capacity SWL			■ Lifting moment	1160.0 kNm	118.3 mt
16.0 m	71.1 kN	7250 kg	Max. heel and trim		5° 2°
18.0 m	61.3 kN	6250 kg	Slewing angle		endless
20.0 m	51.0 kN	5200 kg	Dead weight		11770 kg
				Operating pressure	250 kg
				Recommended pump capacity	150-170 l/min
Self contained powerpack					



### PKM 1450

■ Lifting capacity SWL			■ Lifting moment	1621.0 kNm	165.3 mt
16.0 m	88.3 kN	9000 kg	Max. heel and trim		5° 2°
18.0 m	74.0 kN	7550 kg	Slewing angle		endless
20.0 m	62.3 kN	6350 kg	Dead weight		14800 kg
				Operating pressure	250 kg
				Recommended pump capacity	150-210 l/min
Self contained powerpack					

# Heavy Duty Foldable Knuckle Boom Range „PFM“

## PFM 2500

■ Lifting capacity SWL			■ Lifting moment	
11.8 m	147.2 kN	15000 kg	<b>1805.0 kNm</b>	<b>184.0 mt</b>
14.3 m	112.8 kN	11500 kg	Max. heel and trim	5° 2°
17.0 m	88.3 kN	9000 kg	Slewing angle	endless
20.0 m	70.6 kN	7000 kg	Dead weight	17100 kg
			Operating pressure	300 bar
			Recommended pump capacity	2x170 l/min
			Self contained powerpack	

## PFM 3500

■ Lifting capacity SWL			■ Lifting moment	
13.2 m	176.6 kN	18000 kg	<b>2403.9 kNm</b>	<b>245.0 mt</b>
15.7 m	147.2 kN	15000 kg	Max. heel and trim	5° 2°
18.4 m	119.7 kN	12200 kg	Slewing angle	endless
21.0 m	98.1 kN	10000 kg	Dead weight	23740 kg
			Operating pressure	300 bar
			Recommended pump capacity	2x200 l/min
			Self contained powerpack	

## PFM 4500

■ Lifting capacity SWL			■ Lifting moment	
14.7 m	213.9 kN	21800 kg	<b>3237.0 kNm</b>	<b>330.0 mt</b>
17.3 m	174.6 kN	17800 kg	Max. heel and trim	5° 2°
20.0 m	137.3 kN	14000 kg	Slewing angle	endless
			Dead weight	24800 kg
			Operating pressure	300 bar
			Recommended pump capacity	2x250 l/min
			Self contained powerpack	



## Elaborate process for long-lasting surface protection

There has always been a major emphasis placed on quality at Palfinger systems. Ultra-modern production facilities, a high degree of automation and the use of high-grade materials and supplies guarantee an extremely cost-efficient production process and the quality for which Palfinger systems cranes are known worldwide. With the installation of cathodic dip painting units at the Maribor and Lengau production plants, Palfinger systems is creating a quality standard which previously was only common in the automobile industry. The right surface treatment is the base for durable, long-lasting surface protection. The components pass through the process stages of priming and painting fully automatically.

## KTL painting process for crane components



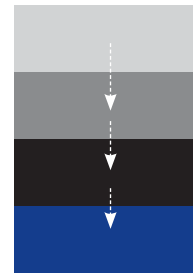
*Metal shot-blasted base frame prior to the immersion operation.*



*In the individual immersion tanks (13 in number) the crane parts are degreased, washed, activated, coated with zinc phosphate, washed again, de-activated and after rinsing with ultra-clean water they then undergo the electrostatic KTL coating process.*



*Crane components after drying.*



*The four stage marine paint finish:*

- 1. All steel components are grit blasted to standard SA 2.5*
  - 2. KTL process – min. 40 µm*
  - 3. Intermediate layer – min. 110 µm*
  - 4. Finish coat – min. 60 µm*
- Total dry film thickness min. 210 µm*



## Palfinger systems Service – for more reliability and customer satisfaction

### Guarantee

- 1 year full guarantee on all cranes including labour and parts
- 2 years guarantee on all load-bearing parts

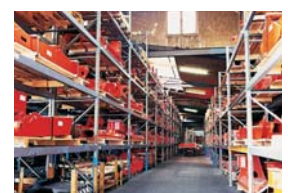
Highest quality is our priority. The use of high-quality materials, tests before the start of series production, the highest standard of quality assurance systems (ISO 9001) and final testing on the test bed make a Palfinger systems crane your reliable partner!

### Training

Palfinger systems service is provided exclusively by qualified and expert staff who receive ongoing training in the latest standards, new technologies and regulations.

### Spare parts

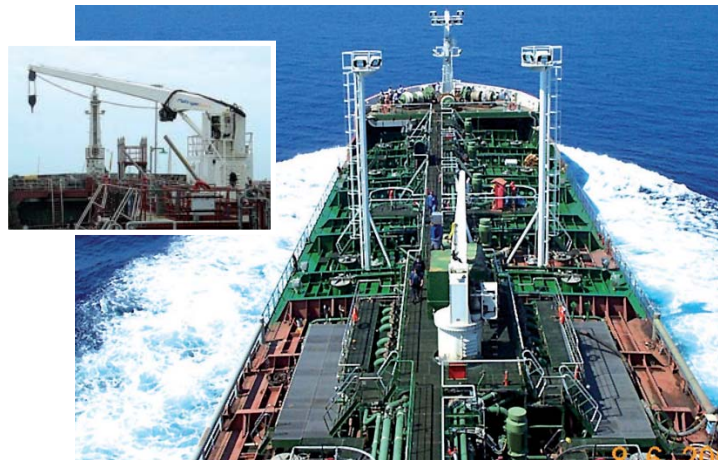
- Retrofit kits available for older models
- The exclusive use of Palfinger systems quality replacement parts guarantees highest quality
- Rapid response through use of express service and through our 1500 contract partners worldwide who also offer an area-wide, local service network

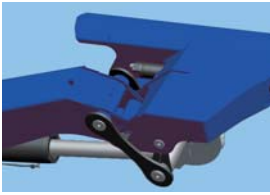


## Special Applications

Palfinger systems can offer – based on more than 75 years crane experience – innovative and efficient options for a wide range of applications: Service cranes using Knuckle Boom technology as well as conventional Stiff Boom and Telescopic Boom type cranes. For Heavy Duty offshore applications – e.g. AHTS vessels & Trawlers we can also offer the Heavy Duty Knuckle Boom design of cranes.

**Palfinger systems – Technology leader and trendsetter with optimum performance, convenience and safety.**





#### ■ Power link system

*The Power link system results a constant lifting moment and brings maximum power to the hook even in unfavourable boom angles.*



#### ■ Return oil utilisation on PK-type cranes

*Return oil utilisation incorporated as standard in the extension system permits a 30% increase in working speed.*



#### ■ Remote control

*The Palfinger systems remote control system with digital data transmission offers maximum safety and convenience. It is available either as a cable remoter or radio remote control system. Optionally we can supply the system in explosion-proof execution suitable up to Zone I.*



#### ■ Local control stand

*An optional protection cover gives maximum protection to the control valve against saltwater spray, ice damage and unauthorised operation. This may also save on time for installation of the control unit on board.*



#### ■ Winch

*Our cable winches are available in many different performance classes and meet all the requirements demanded during operation from an efficient cable winch: optimal performance, high working speeds, proven safety equipment and a compact design.*



#### ■ Power Packs

*Hydraulic Power Packs are engineered to withstand harsh, hostile environments. Each unit is equipped with a fluid level indicator, thermometer and filler-breather filter. Features such as load sensing is standard from crane size 30 mt upwards. Standard three-phase electric motors ranging in size from 5.5 kW up to 2 x 110 kW are available in match customers specified voltage and frequency.*



#### ■ Endless slewing system

*Palfinger systems cranes are available with an endless slewing mechanism starting from as low as 31.5 mt. The inclusion as standard of a slewing ring represents the highest state of the art. As a result, the precision of the slewing movement is optimised and the low friction permits a high slewing moment.*



#### ■ Standing platform

*The control valve as well as the overload cut-off system (optional) are completely covered. The additional protection bar in the entrance section ensures greatest-possible safety.*

#### ■ Atex certification

*ATEX certification for Zone 1/2 - T3/T4 optionally available*



## Expertise and Innovation

Today Palfinger systems is a leading manufacturer offering a wide range of reliable marine cranes and working platforms for ship building/repair/maintenance and the offshore industry. The corporate philosophy is based on the continuous drive for product improvements and innovative systems.

[www.palfingersystems.com](http://www.palfingersystems.com)



■ Palfinger systems  
Maribor, Slovenia



■ Palfinger systems  
Rijeka, Croatia



■ Palfinger systems  
Weng, Austria

represented by