

**PALFINGER**

PK 58.002 TEC 7 F

# 1100151601 / S435-SK-A

# MAN|TGS

**HPSC**

A: 2.050kg

B: 2.850kg

C: 4.750kg

## LIFTING CAPACITY DIAGRAM

Stabilizer situation

Fully supported

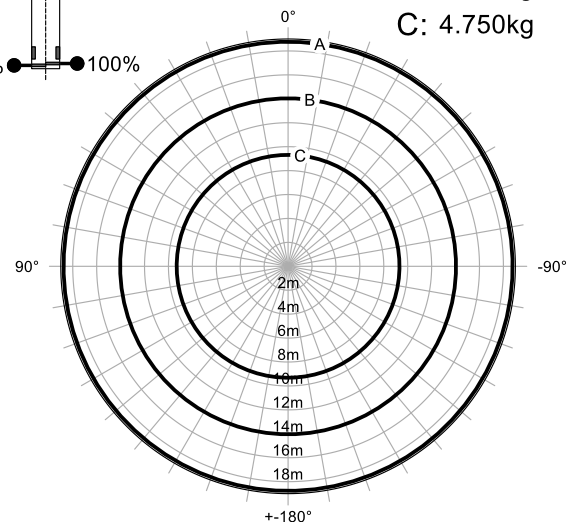
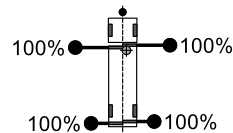
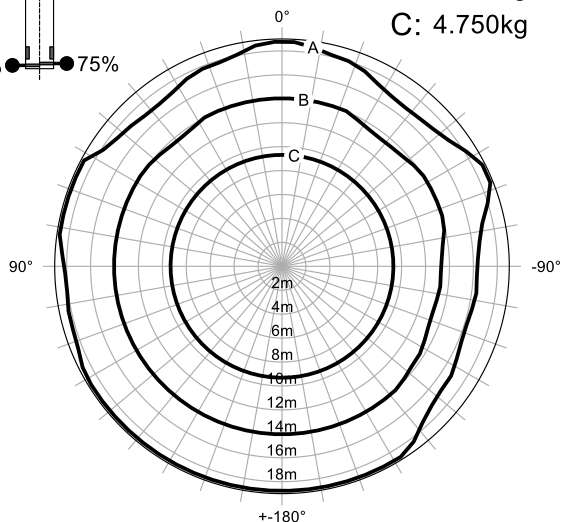
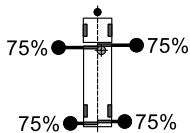
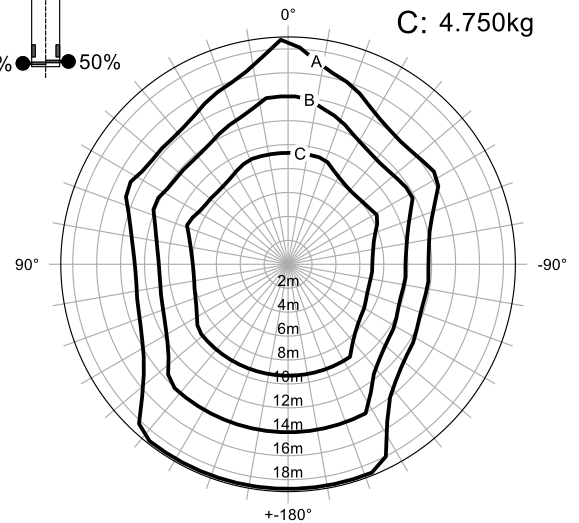
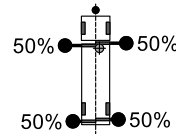
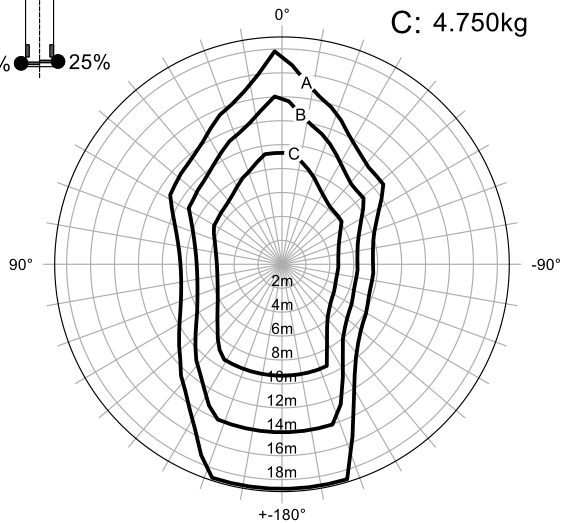
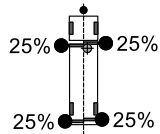
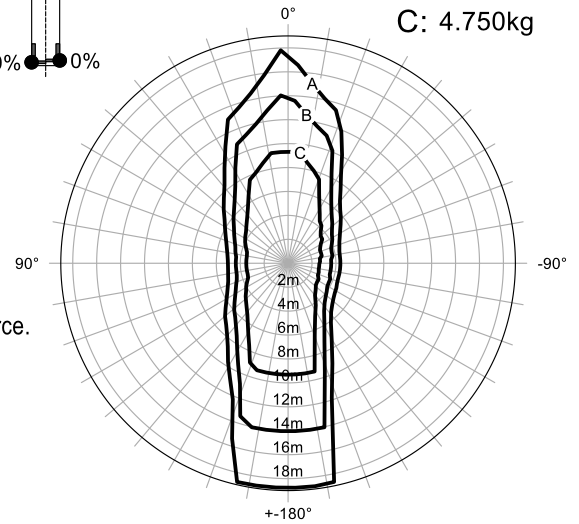
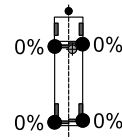
Max. occurring stabilizer force  $F_{max}$  229kN (dynamic)

Overload system on the front support can lead to a limitation of the lifting force.

○ ... Stabilizer not active

● ... Stabilizer active

% ... Outrigger stroke



Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 25.7.2024

Installer ID: PLBRANEP/PLBRANEP

version:  
PCH 3.3.41.0

**PALFINGER**

PK 58.002 TEC 7 F PJ 150 E

# 1100151601 / S435-SK-A

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**HPSC**

A: 230kg  
B: 830kg  
C: 1.760kg

## LIFTING CAPACITY DIAGRAM

Stabilizer situation

Fully supported

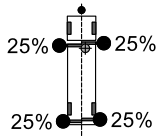
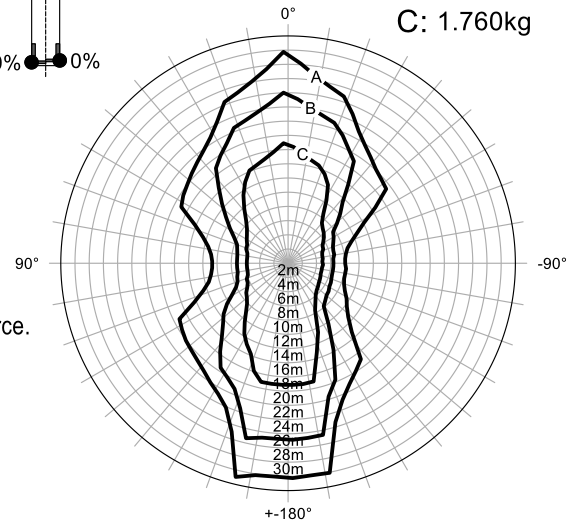
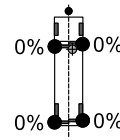
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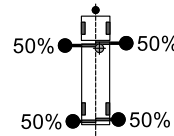
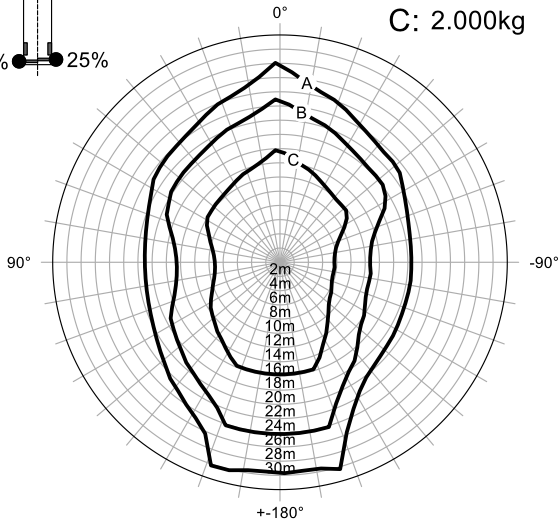
○ ... Stabilizer not active

● ... Stabilizer active

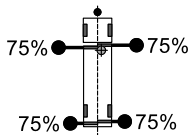
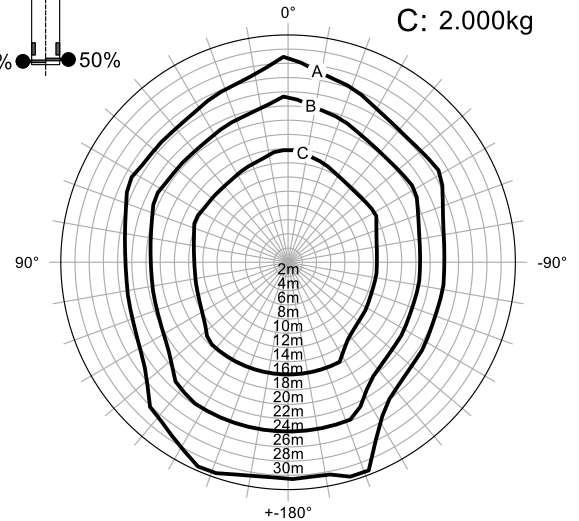
% ... Outrigger stroke



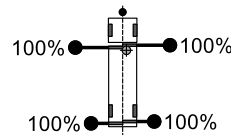
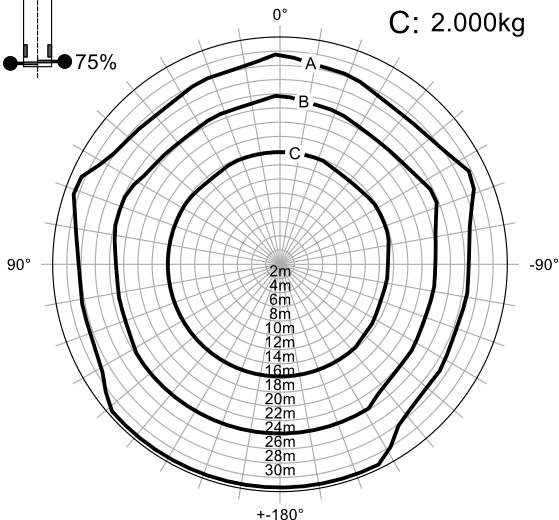
A: 360kg  
B: 1.000kg  
C: 2.000kg



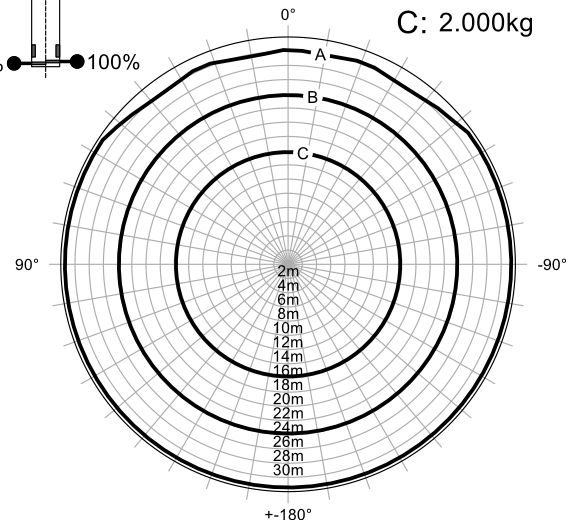
A: 380kg  
B: 1.040kg  
C: 2.000kg



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B: 2.850kg

C: 4.750kg

## LIFTING CAPACITY DIAGRAM

Stabilizer situation

Partly supported

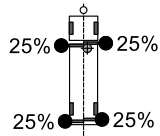
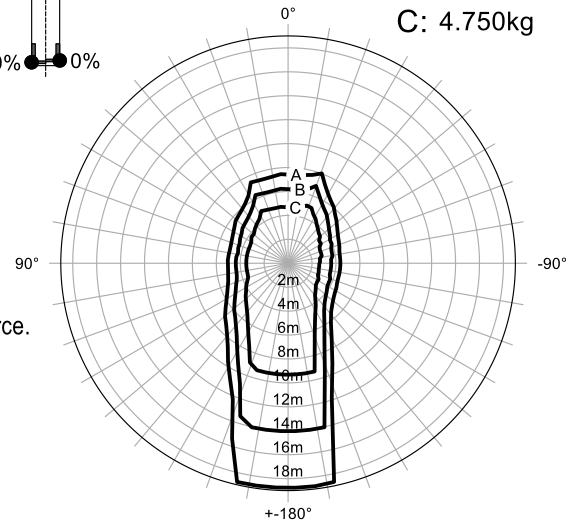
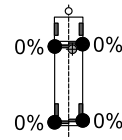
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○ ... Stabilizer not active

● ... Stabilizer active

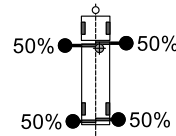
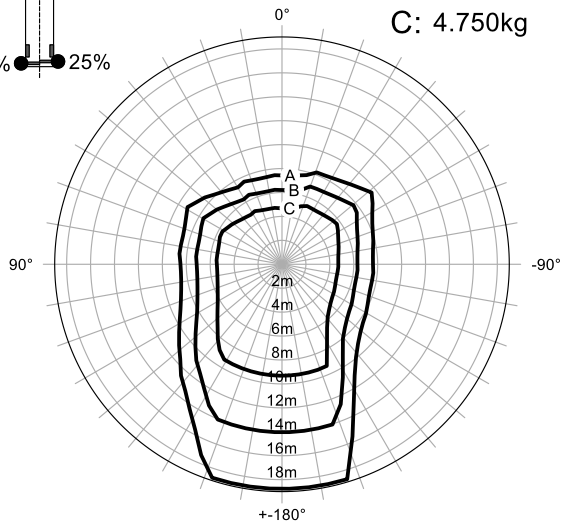
% ... Outrigger stroke



A: 2.050kg

B: 2.850kg

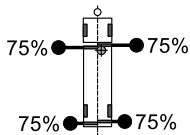
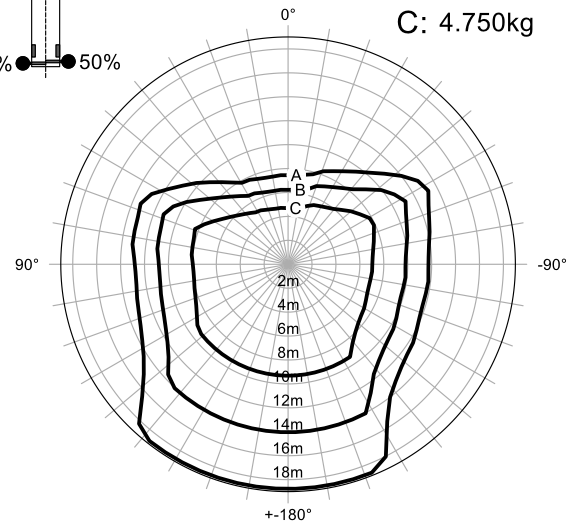
C: 4.750kg



A: 2.050kg

B: 2.850kg

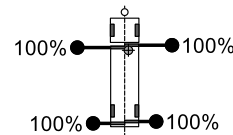
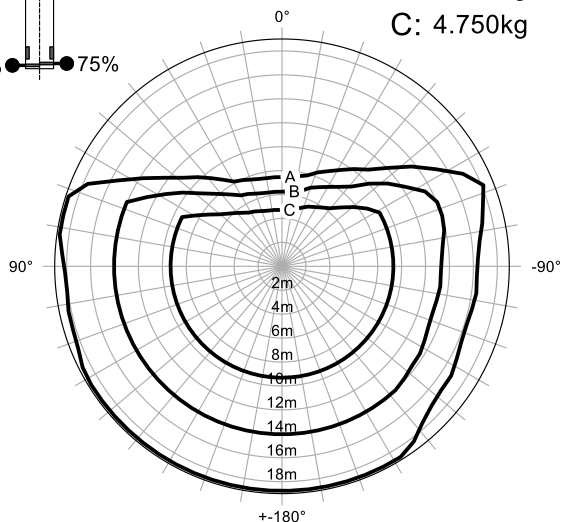
C: 4.750kg



A: 2.050kg

B: 2.850kg

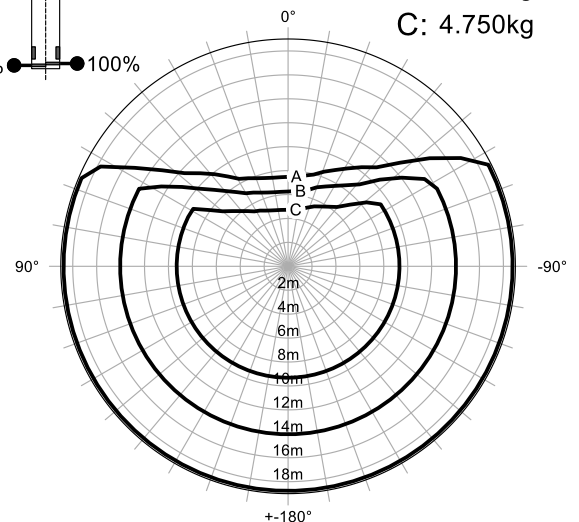
C: 4.750kg



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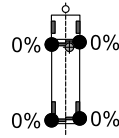
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Stabilizer situation

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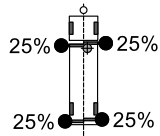
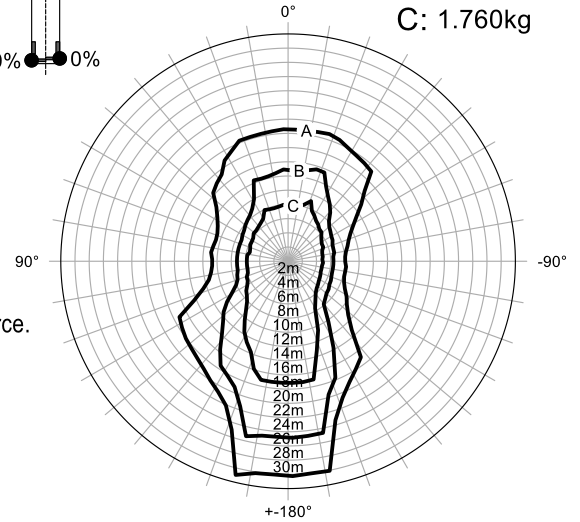
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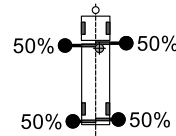
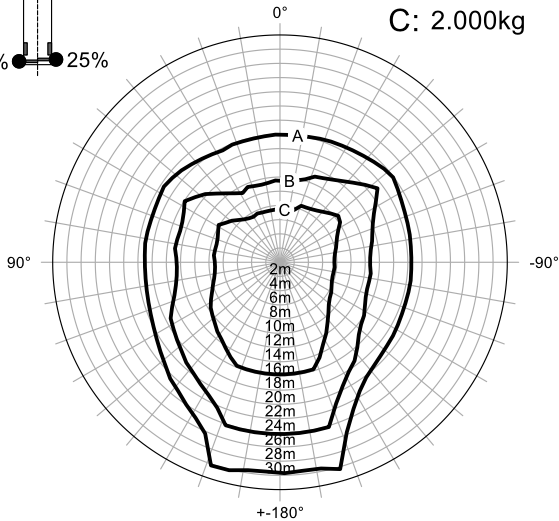
○ ... Stabilizer not active

● ... Stabilizer active

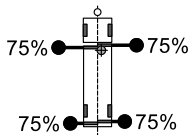
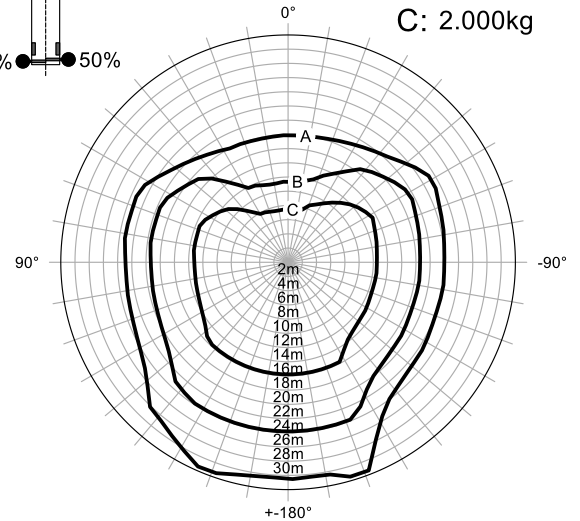
% ... Outrigger stroke



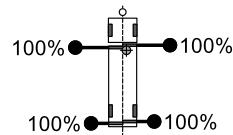
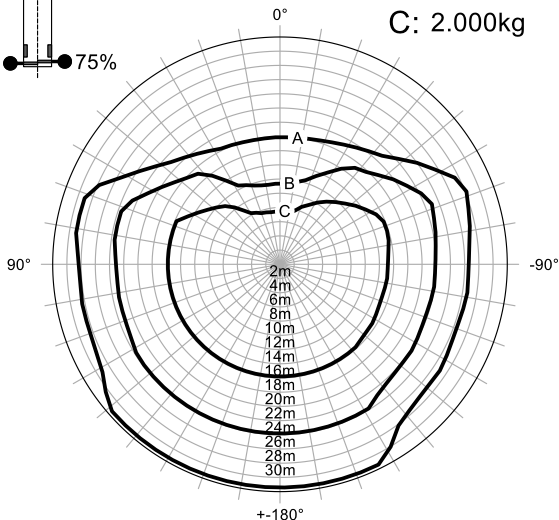
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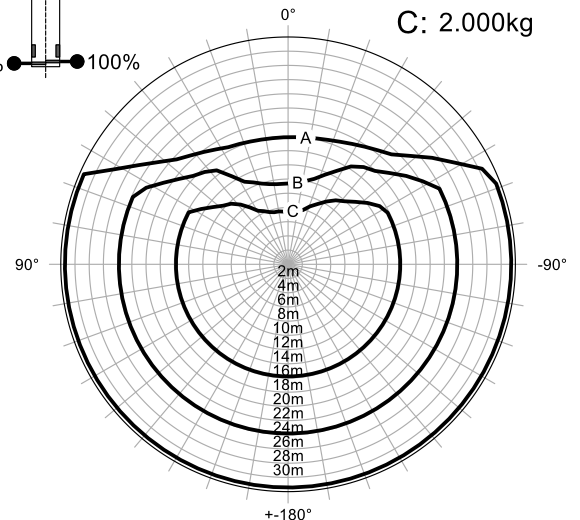
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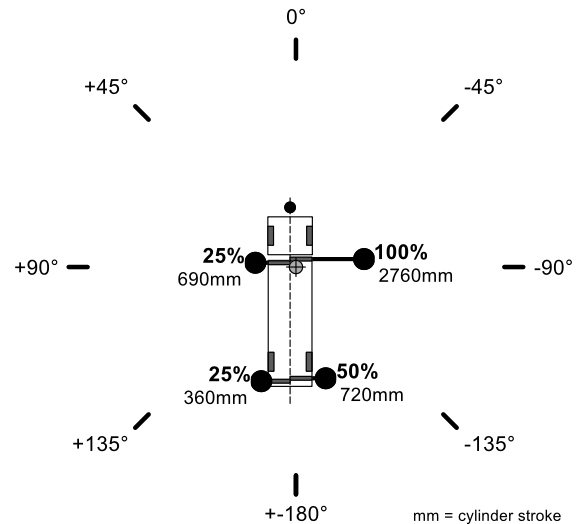
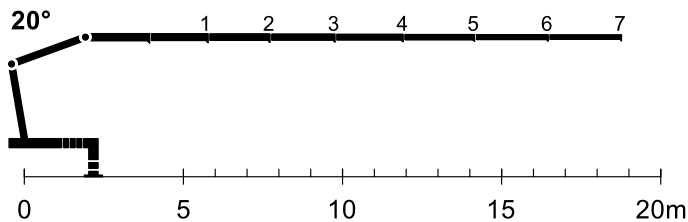
# 1100151601 / S435-SK-A

# MAN|TGS

**HPSC****LIFTING CAPACITY SAMPLES**

for periodic inspections

Fully supported without switchable ballast



|       | 0<br>(4,6m) | 1<br>(6,3m) | 2<br>(8,1m) | 3<br>(10,1m) | 4<br>(12,2m) | 5<br>(14,3m) | 6<br>(16,5m) | 7<br>(18,8m) |
|-------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0°    | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.800kg      | 2.350kg      | 2.050kg      |
| +45°  | 8.900kg     | 5.400kg     | 3.650kg     | 2.700kg      | 1.920kg      | 1.420kg      | 1.120kg      | 940kg        |
| +90°  | 6.900kg     | 3.800kg     | 2.400kg     | 1.620kg      | 1.040kg      | 700kg        | 500kg        | 400kg        |
| +135° | 10.900kg    | 7.600kg     | 5.100kg     | 3.500kg      | 2.400kg      | 1.740kg      | 1.340kg      | 1.100kg      |
| +180° | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.800kg      | 2.350kg      | 2.050kg      |
| -135° | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.700kg      | 2.150kg      | 1.780kg      |
| -90°  | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.800kg      | 2.350kg      | 2.050kg      |
| -45°  | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.800kg      | 2.350kg      | 2.050kg      |

**How to use the document**

This document is meant to support periodic inspections.  
The table shows the adjusted lifting capacities of the crane

- in the shown support condition
- at different slewing angles
- with different extension values (one value per extension boom)

**How to check a test point**

- Position the unloaded vehicle
- Establish the shown support condition (outriggers and stabilizers exactly as shown in the picture)
- Select a slewing angle from the table
- Choose a test load for this slewing angle (must be within the highest and the lowest value of that angle)
- Put the crane into the shown position, make sure the main boom is at the strongest angle (refer to picture)
  - The crane has to be able to lift the load
  - The overload system has to switch off when extending the boom system further (about 5 to 10%)

**Position unloaded vehicle**

- Check any amount of test points according to above procedure (suggestion 3 – 5).
- The check is passed if the crane overload systems switches off according to the test position.
- Due to the many influencing factors (accuracy of support condition, slewing angle, boom angle and test load) tolerances of about 10% may occur.
- When switching off, the stability of the vehicle has to be according to the system setting, but still in safe condition.

Load values are according to PALTRONIC parameters  
provided by the installer

Adjustment Date: 25.7.2024

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PCH 3.3.41.0

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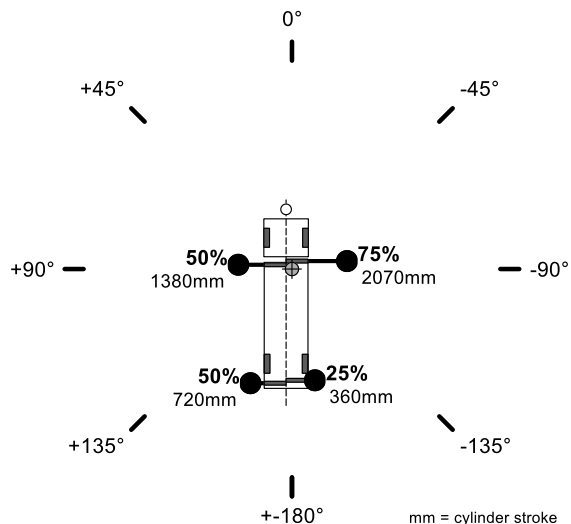
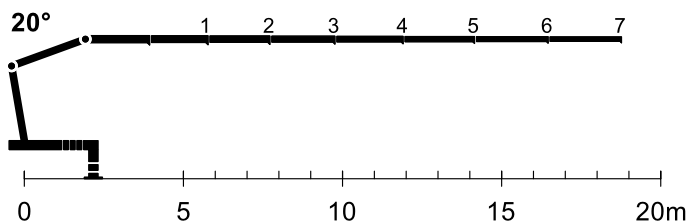
# 1100151601 / S435-SK-A

# MAN|TGS

**HPSC****LIFTING CAPACITY SAMPLES**

for periodic inspections

Partly supported without switchable ballast



|       | 0<br>(4,6m) | 1<br>(6,3m) | 2<br>(8,1m) | 3<br>(10,1m) | 4<br>(12,2m) | 5<br>(14,3m) | 6<br>(16,5m) | 7<br>(18,8m) |
|-------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0°    | 5.000kg     | 2.800kg     | 1.720kg     | 1.100kg      | 640kg        | 370kg        | 230kg        | 160kg        |
| +45°  | 8.200kg     | 4.650kg     | 3.000kg     | 2.100kg      | 1.440kg      | 1.020kg      | 760kg        | 620kg        |
| +90°  | 10.900kg    | 7.100kg     | 4.550kg     | 3.250kg      | 2.300kg      | 1.680kg      | 1.320kg      | 1.100kg      |
| +135° | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.800kg      | 2.350kg      | 2.000kg      |
| +180° | 10.900kg    | 7.600kg     | 5.600kg     | 4.250kg      | 3.400kg      | 2.800kg      | 2.350kg      | 2.050kg      |
| -135° | 10.900kg    | 7.600kg     | 4.900kg     | 3.550kg      | 2.500kg      | 1.860kg      | 1.460kg      | 1.200kg      |
| -90°  | 10.900kg    | 7.600kg     | 5.600kg     | 4.150kg      | 2.950kg      | 2.200kg      | 1.760kg      | 1.460kg      |
| -45°  | 7.600kg     | 4.650kg     | 3.200kg     | 2.300kg      | 1.620kg      | 1.200kg      | 920kg        | 760kg        |

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