

Serial number

Year of construction

Crane group : A3 as per FEM 1.001
 Loadspectrum : Q1 as per FEM 1.001
 Classification : U4 as per FEM 1.001
 Stability : as per FEM 1.001

Max. load

9,0 tonne

Max.radius
with max. load

13 m

Max. capacity

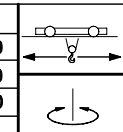
117 tm

Max. jib len

50 m

Speeds

Jib horizontal / jib 30° luffed

	m/min	kg		
	20	9000		0 - 70 m/min
	32	4500		
	50	2250		
	75	0		

All motions with hydraulic proportional controls.
 Luffing the jib 30° can be controlled from crane cab or by remote control.
 The crane should be folded in at wind force 9 (Bf) (21 m/sec) or when not in use for a longer period.

Counterweight crane: 10380 kg.
 Continues slewing (360°) with outriggers out and support pads down.
 Crane can be driven in its erected position under special conditions (refer user guide).

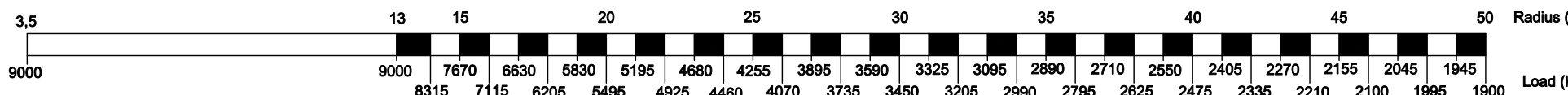
Rated lift capacity is net capacity.
 Always two parts of line.
 Max. line pull force: 4500 kg.
 Operating temperature range from: -15°C till + 40°C.
 Sail area of the load max.: 1,0 m²/ ton.

Outtrigger positioned according to lifting chart
 Outtrigger support base : **7,50 m x 7,66 m**
 Operation allowed up to wind force 8 Bf (17 m/sec)
 Outtrigger support base : **7,50 m x 5,72 m**
 Operation allowed up to wind force 8 Bf (17 m/sec)
Max. outtrigger force: 440kN.

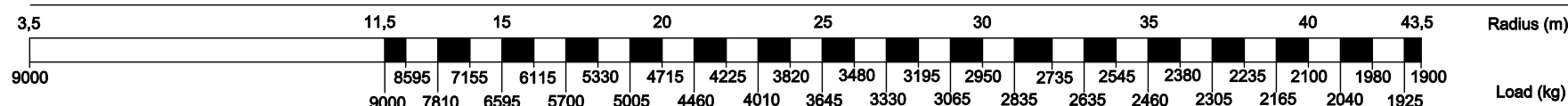
Lifting chart Outtrigger support base 7,50 m x 7,66 m

Jib horizontal

Hookheight 23,8 / 32,6 m (height under jib 25,8 / 34,6 m)



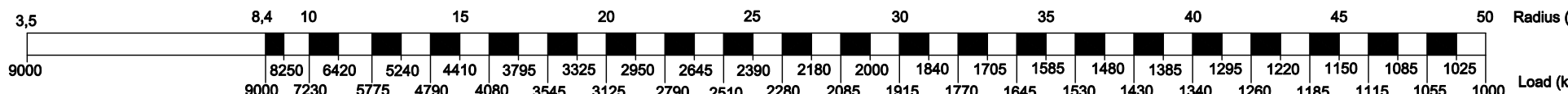
Jib 30° luffed



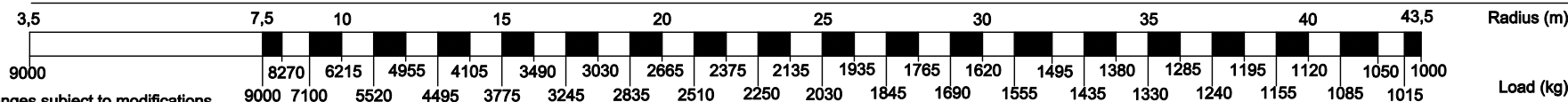
Lifting chart Outtrigger support base 7,50 m x 5,72 m

Jib horizontal

Hookheight 23,8 / 32,6 m (height under jib 25,8 / 34,6 m)

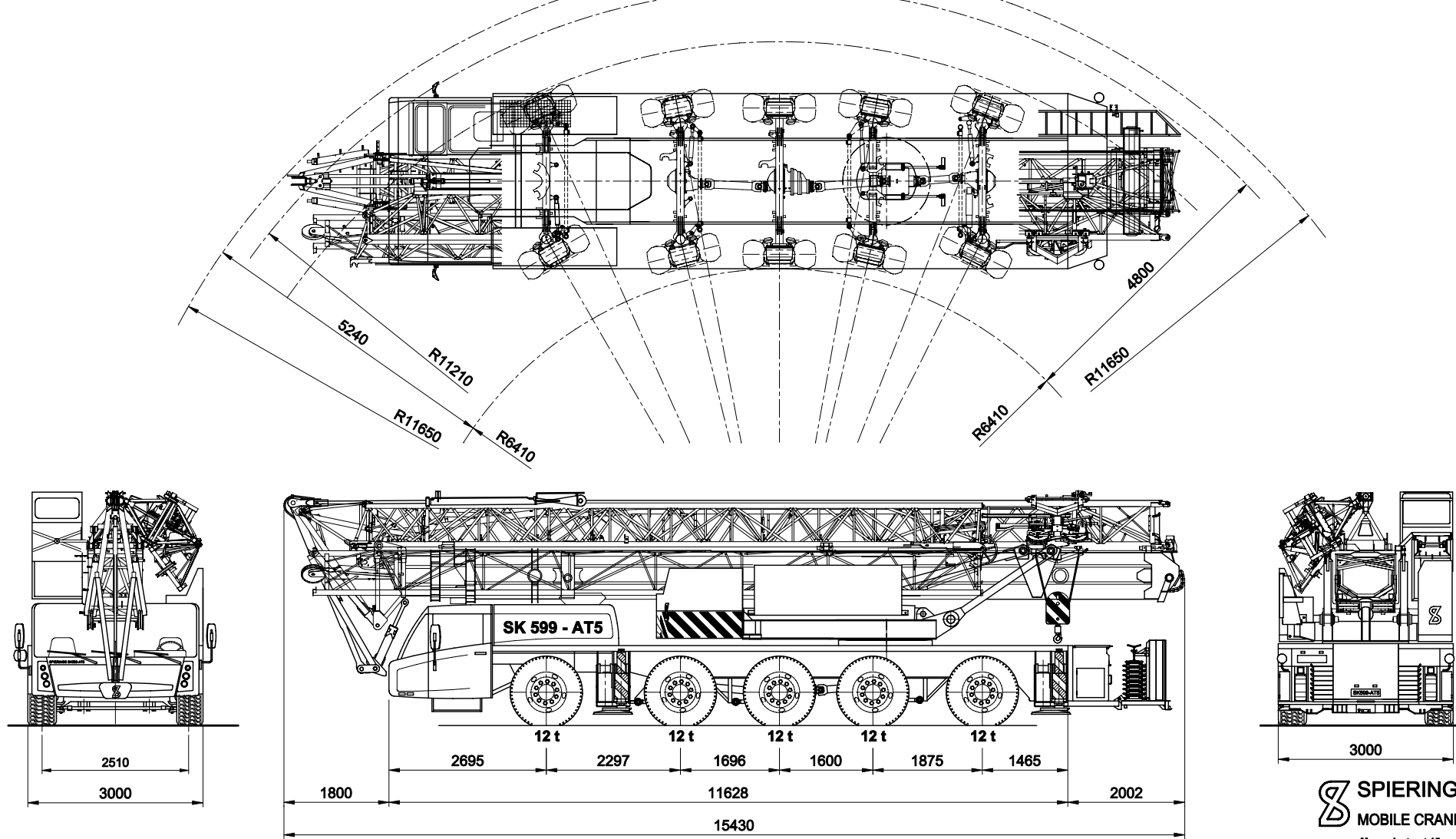


Jib 30° luffed



changes subject to modifications

102-0059



Total weight: 60000 kg
changes subject to modifications

Spierings Hydraulic Folding Crane SK 599 - AT5

SPIERING
MOBILE CRANE

Merwedestraat 15
5347 KZ Oss NL
Tel. +31 (0)412-626964
Fax +31 (0)412-645295
www.spieringcranes.nl

102-0059910

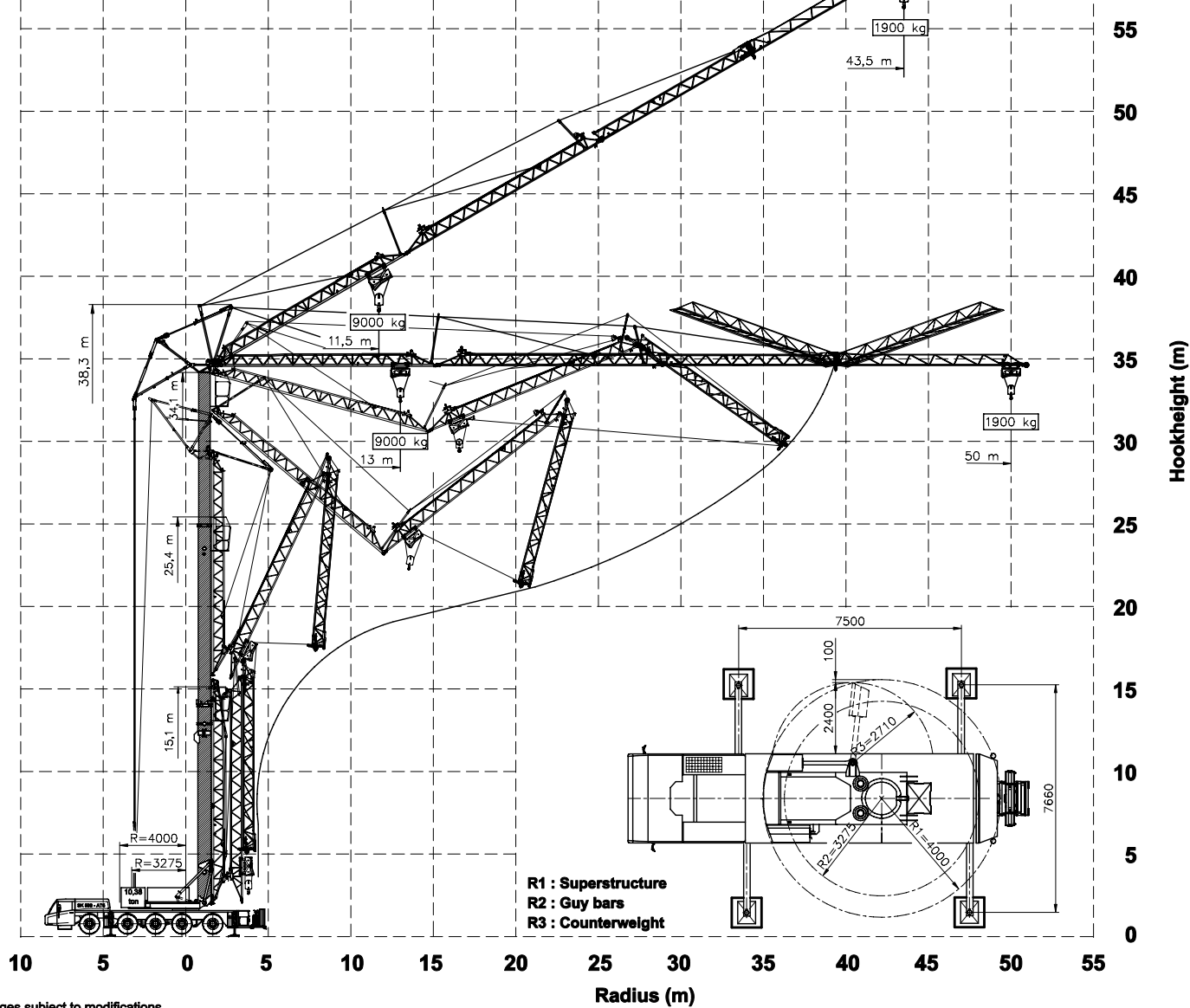
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HYDRAULIC FOLDING CRANE

SK599-AT5

Erection procedure of the crane

Max. outrigger force : 440 kN
 Outrigger support pads : 750x600 mm
 Ground pressure : 1,00 N/mm²
 Jib can be unfolded through 360°
 Luffing the jib 30° can be controlled from the crane cab or remote control
 Outrigger support plates : 1000x1000 mm
 surface : 1,00 m²
 Ground pressure : 0,44 N/mm²



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Merwedestraat 15
 5347 KZ Oss NL
 Tel. +31 (0)412-626964
 Fax +31 (0)412-645299
www.spieringcranes.com

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Hoisting Specifications
Outrigger support base
7,50 m x 7,66 m



102-00599104

**Merwedestraat 15
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Tel. +31 (0)412-626964
Fax +31 (0)412-645299
www.spieringscranes.com**

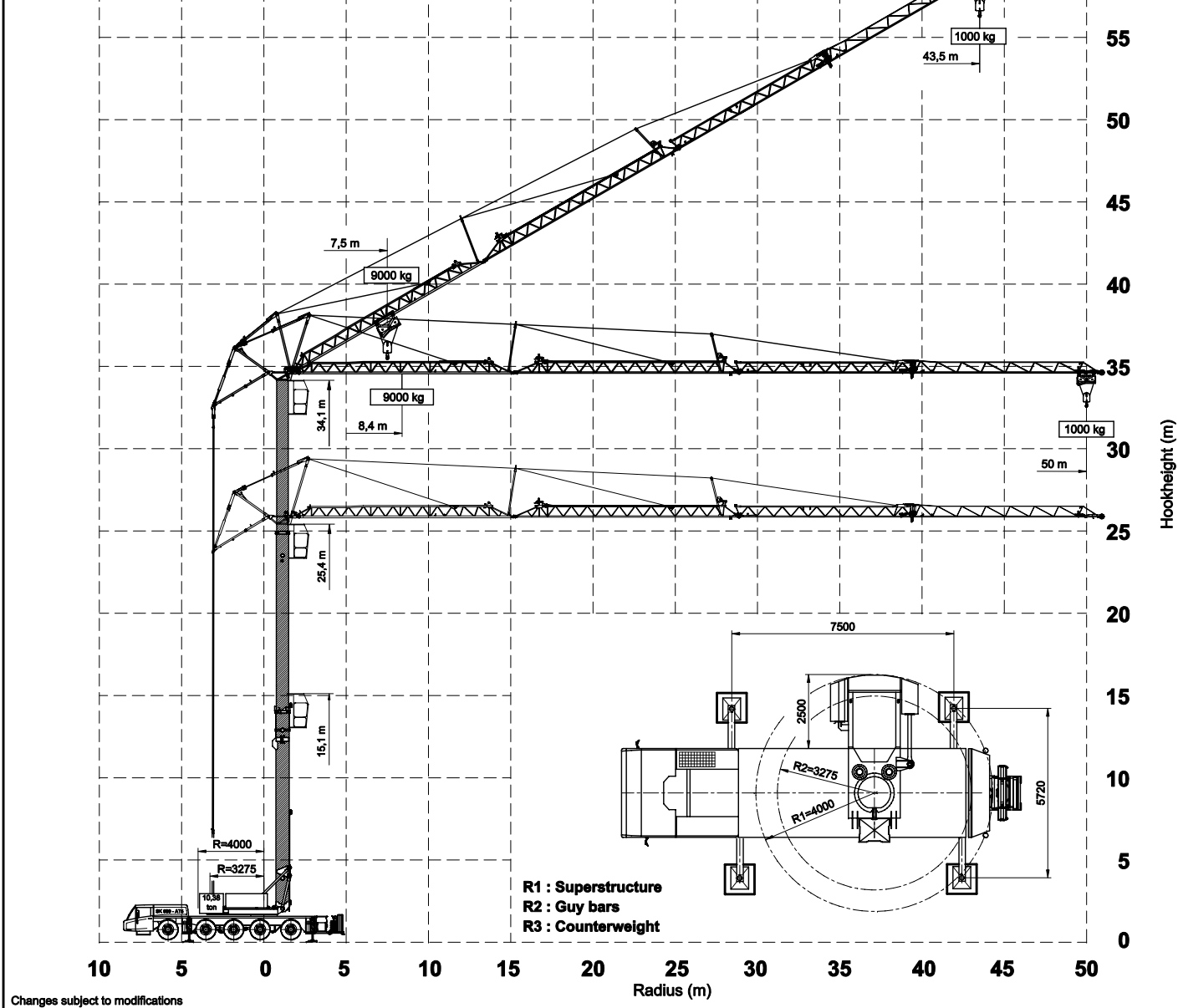
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HYDRAULIC FOLDING CRANE

SK599-AT5

Hoisting Specifications

**Outrigger support base
7,50 m x 5,72 m**

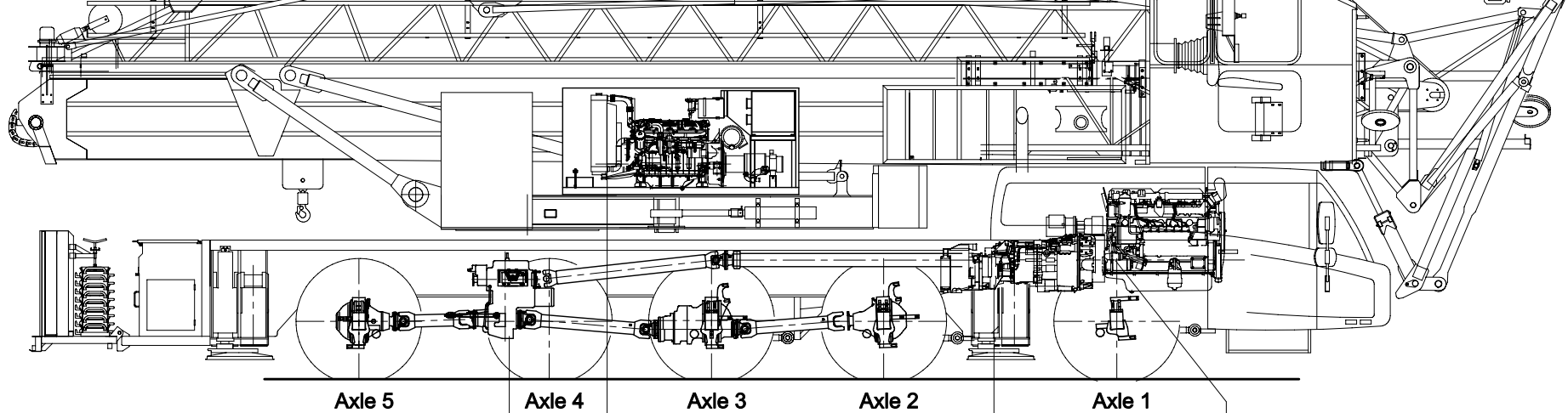


Changes subject to modifications

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Transfer box:

STEYR VG2001/396

Road gear $i=0,89$

Off road gear $i=1,54$

Crane diesel engine:

John Deere 4045HF475

Power: 129 kW (2200 rpm)

Torque: 700 Nm (1400 rpm)

Gearbox:

ZF 16AS2601

Automatic

Dry plate clutch

+ retarder

Carrier diesel engine:

Euro IV

DAF: MX 375 (12,9 ltr)

Power: 375 kW (1900 rpm)

Torque: 2500 Nm (1000-1410 rpm)

Axle 1 : Steer axle

Axle 2 : Steer drive axle (end reduction $i=7,29$)

Axle 3 : Drive axle , non steered (end reduction $i=7,29$)

Axle 4 : Steer axle

Axle 5 : Steer drive axle (end reduction $i=7,29$)

Tyres

: 445/75 R22,5

Suspension: hydro-pneumatic on all axles; stroke cyl. : 247 mm

Max. speed carrier : 85 km/h

Min. speed carrier (engine at 1000 rpm) : 1,6 km/h

Overall weight : 60.000 kg.

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Drive train Spierings Folding Crane SK 599 - AT5

Changes subject to modifications

102-005991

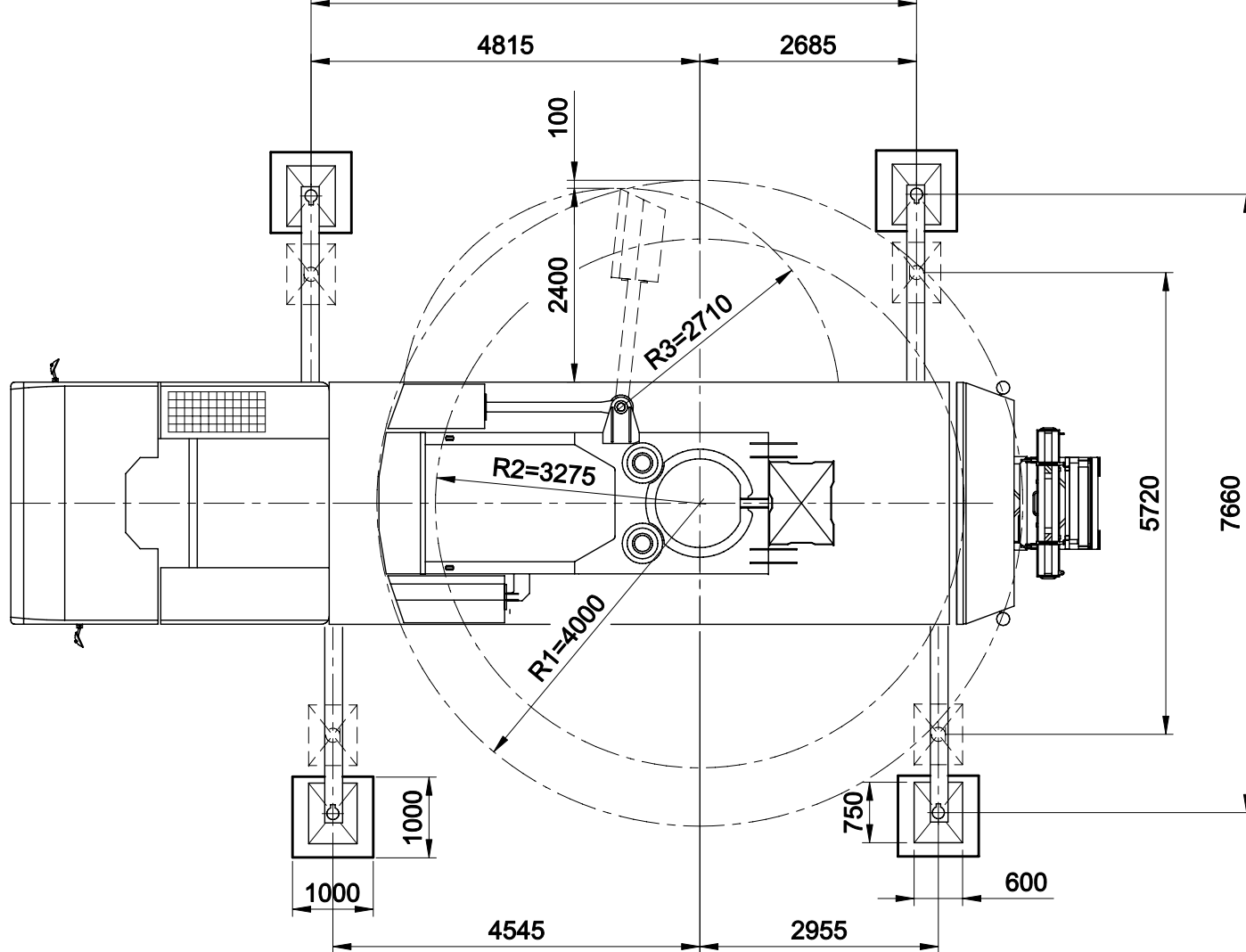
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HYDRAULIC FOLDING CRANE

SK 599 - AT5

Outrigger support base

Max. outrigger force	440 kN
Outrigger support pads	750x600 mm
Ground pressure	1,00 N/mm ²
Outrigger support plates	1000x1000 mm
Surface	1,00 m ²
Ground pressure	0,44 N/mm ²



R1 : Superstructure
R2 : Guy bars
R3 : Counterweight

Specifications subject to change

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www.spieringscrane.com

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