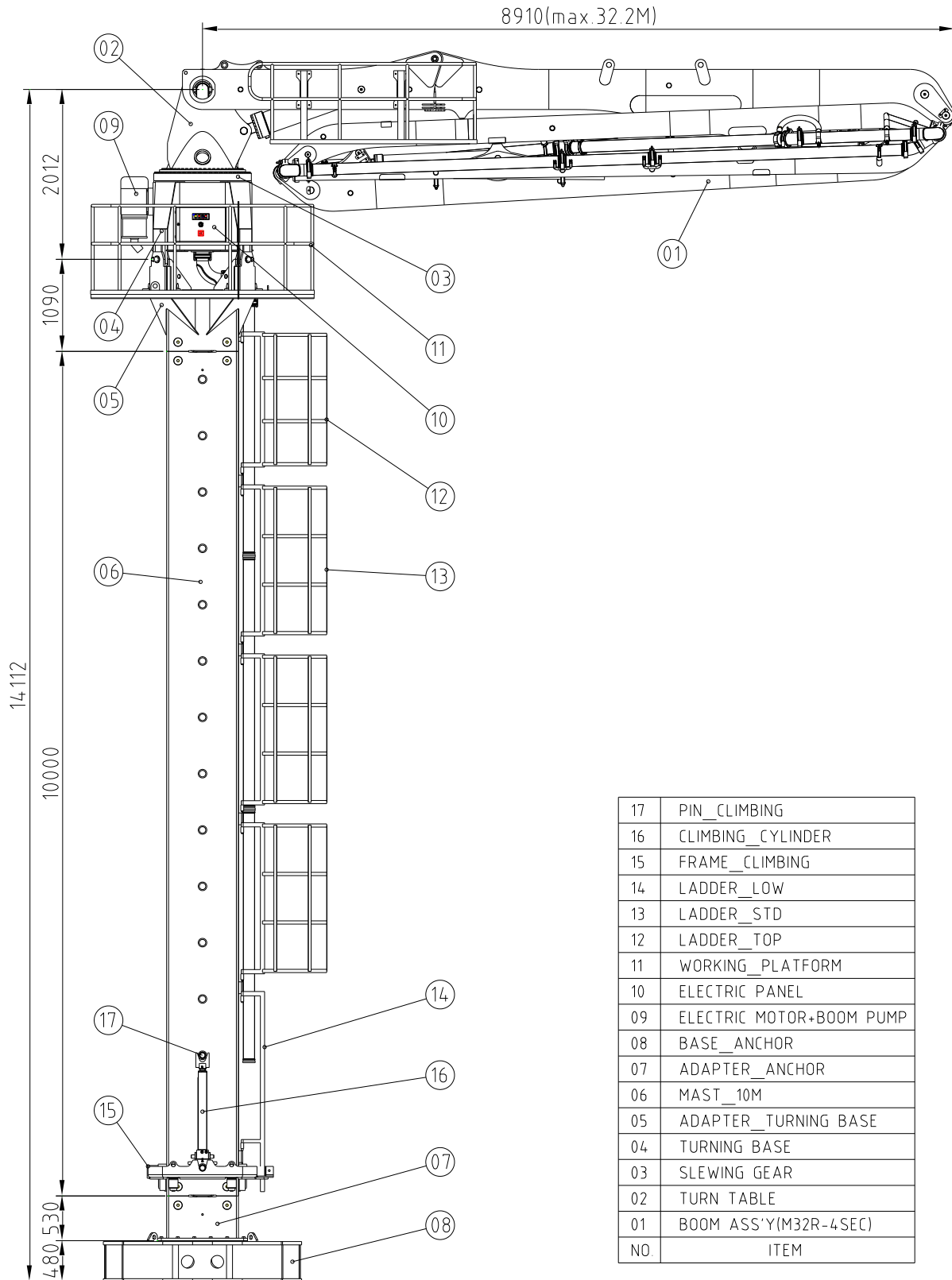




KCP CONCRETE PUMPS

KB-M32R

Placing Boom System Layout



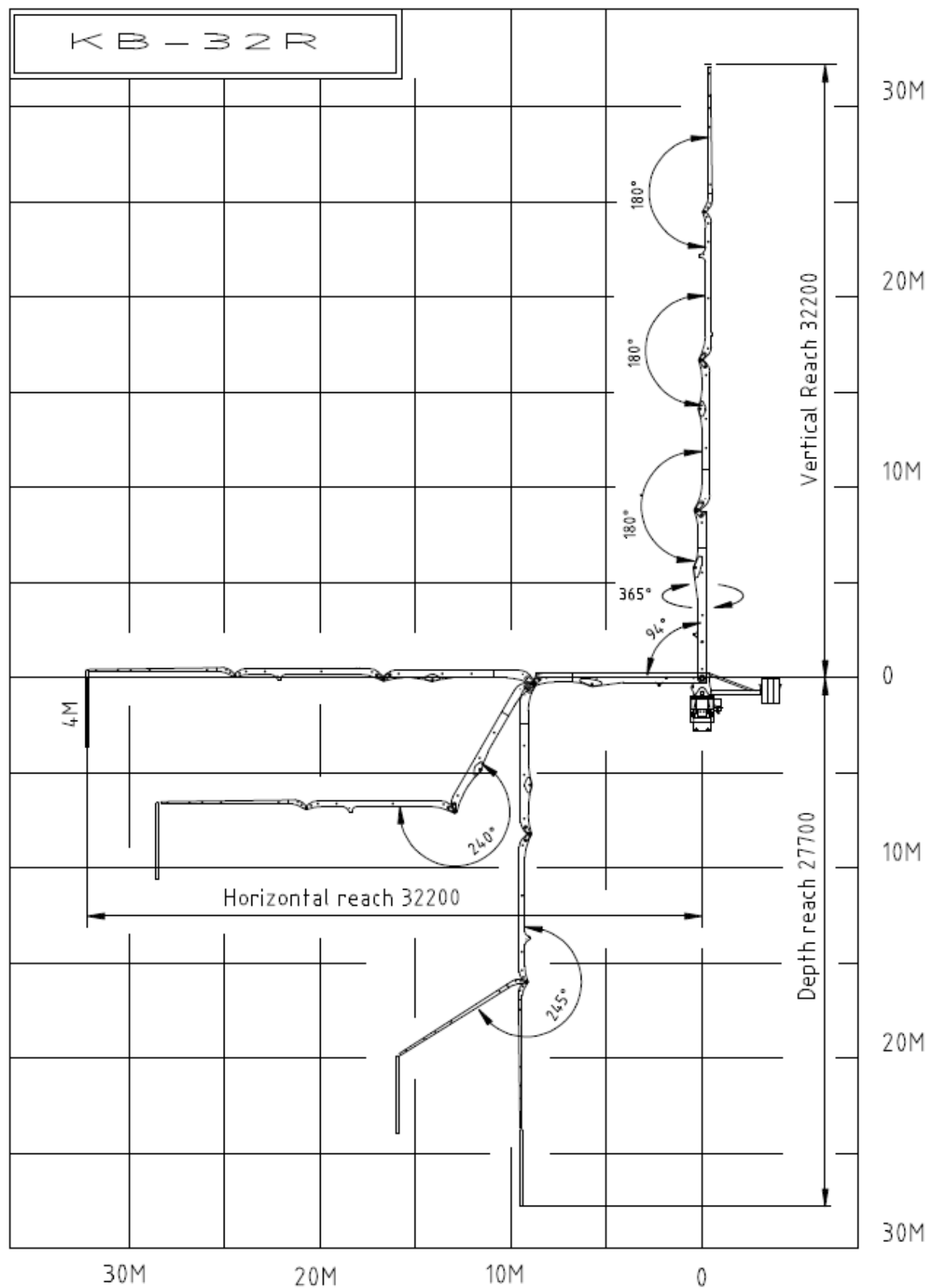
17	PIN_CLIMBING
16	CLIMBING_CYLINDER
15	FRAME_CLIMBING
14	LADDER_LOW
13	LADDER_STD
12	LADDER_TOP
11	WORKING_PLATFORM
10	ELECTRIC_PANEL
09	ELECTRIC_MOTOR+BOOM_PUMP
08	BASE_ANCHOR
07	ADAPTER_ANCHOR
06	MAST_10M
05	ADAPTER_TURNING_BASE
04	TURNING_BASE
03	SLEWING_GEAR
02	TURN_TABLE
01	BOOM_ASS'Y(M32R-4SEC)
NO.	ITEM



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KB-M32R

Placing Boom System Working diagram

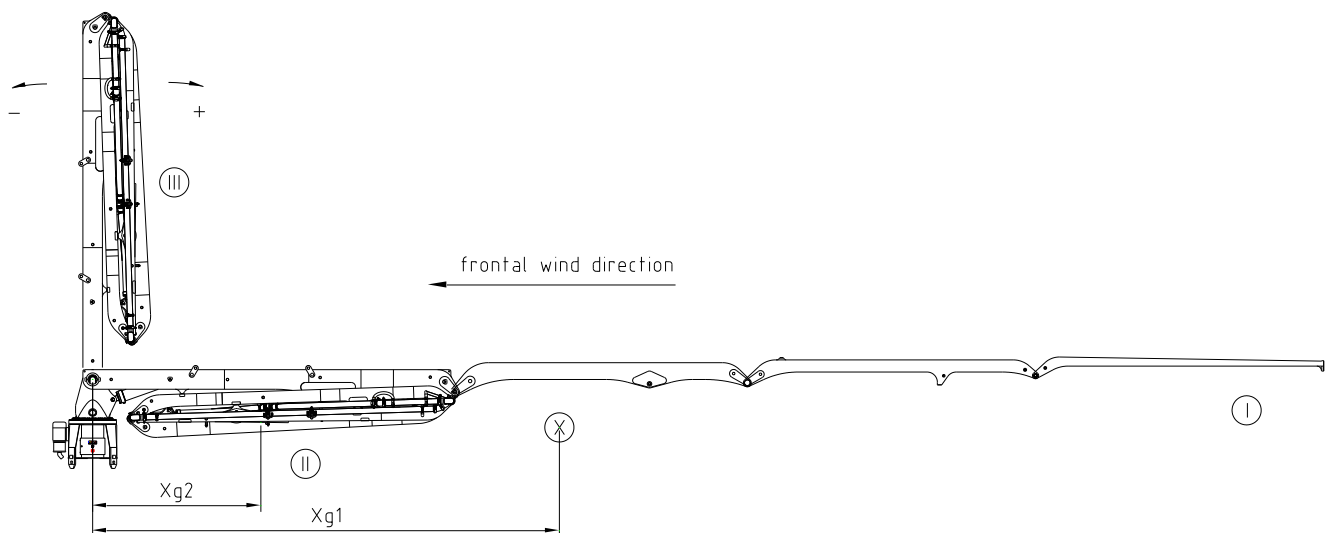




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Placing Boom System Technical data



MOMENT [KNm]

Position of boom	Moment(boom side) → +
I with concrete in pipe-line	→ 760 KNm
II without concrete in pipe-line	→ 243 KNm
III without concrete in pipe-line	→ 25 KNm

Total weight [kg]– boom, table, base(with oil), motor, pump, (+concrete)

In operation	8,500 kg	Out of operation	7,600 kg
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Wind-exposed areas [m²]

Position of boom	Wind-exposed area	Center of gravity distance	remark
I	12 m ² boom-side	Xg1 = 10 m	Wind surface perpendicular to frontal wind
II	12 m ² boom-side	Xg2 = 4.2 m	
I/II	2.6 m ²	Ys = 1.4 m	Exposed area in frontal wind
III	10.3 m ²	Ys = 4.2 m	

Comment : lateral thrust due to wind is calculated according to DIN 1055

Absolute altitude [m]	0~8	8~20	20~100	Above 100
W [N/m ²]	800	1280	1760	2080

$$F = W \times A$$

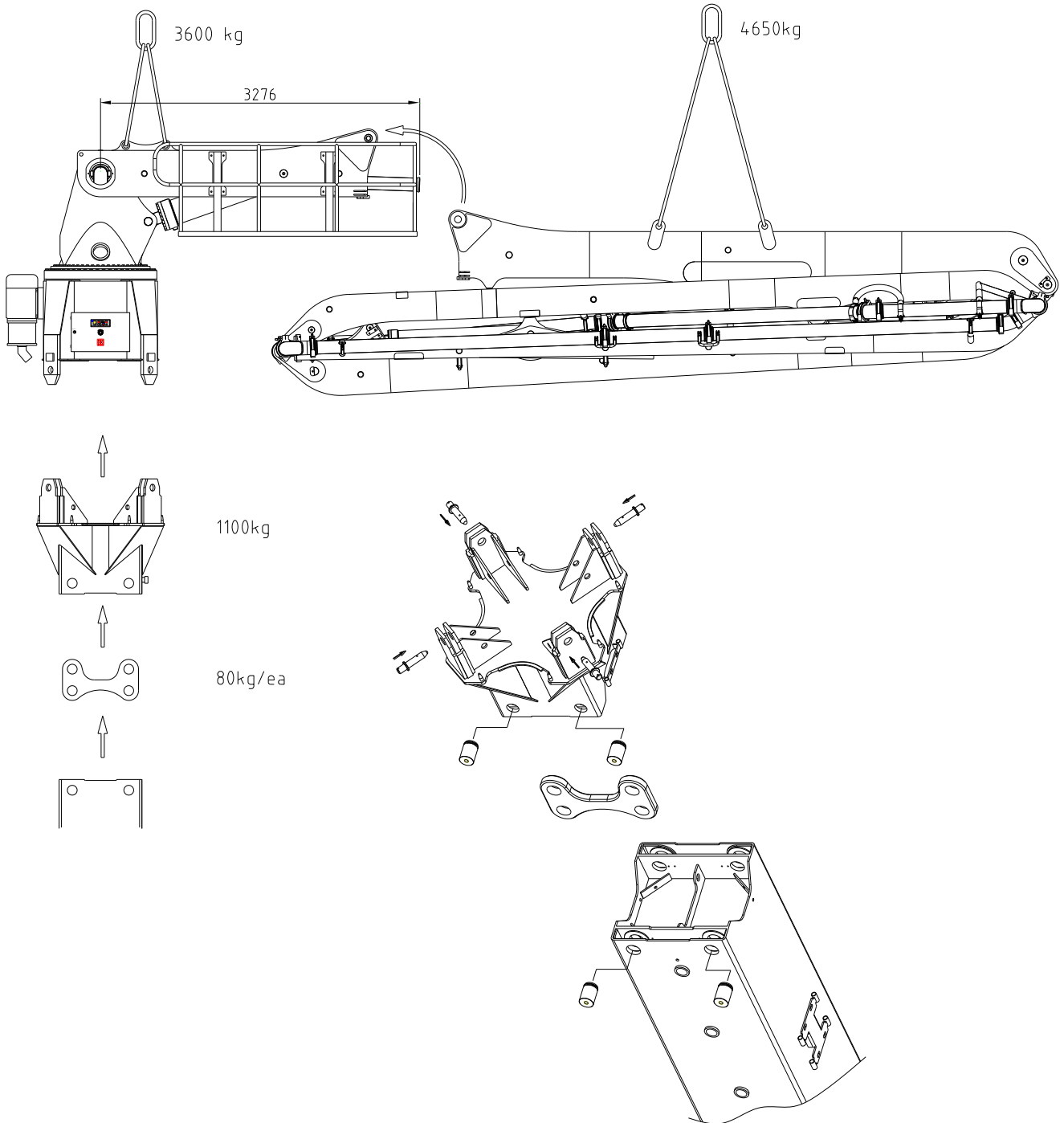
F : wind force	W : lateral thrust due to wind	A : wind surface area
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KB-M32R

PLACING BOOM SYSTEM ----- [BOOM ASS'Y & UPPER PARTS]

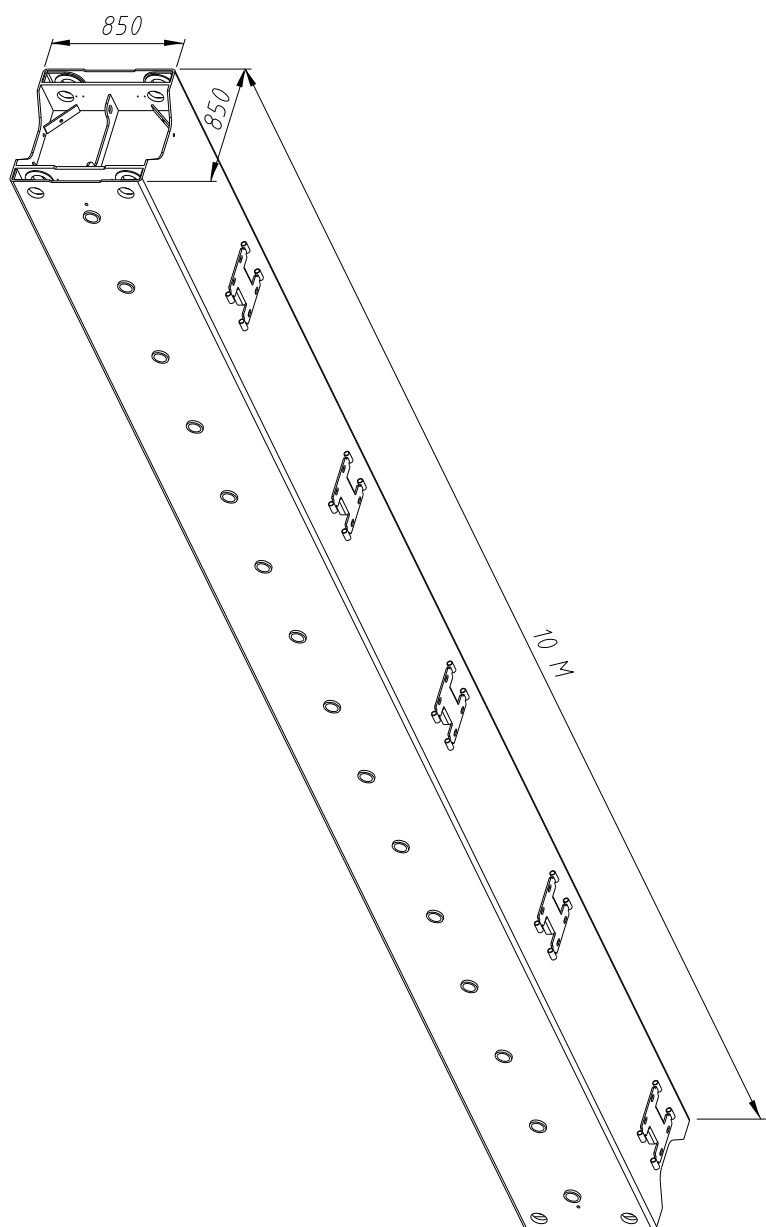




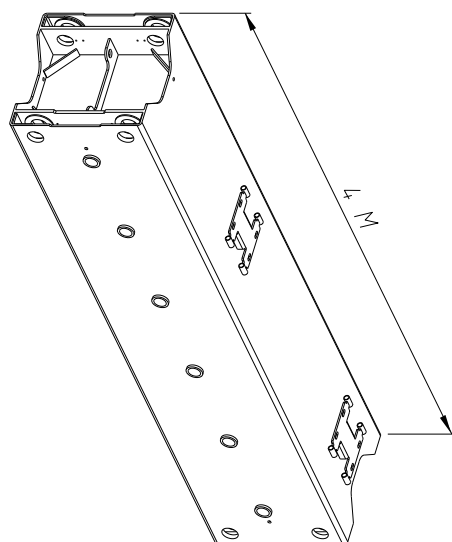
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PLACING BOOM SYSTEM ----- [MAST]



STANDARD
4900 KG



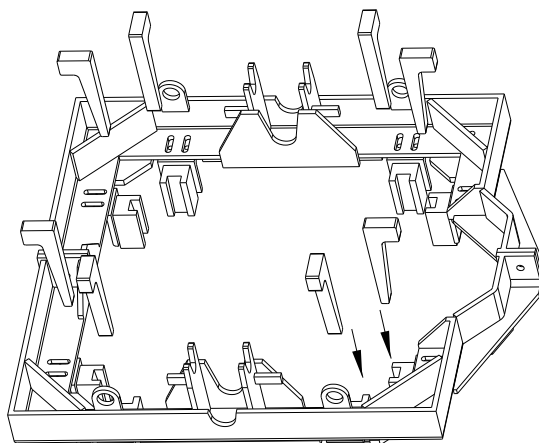
OPTION
2150 KG



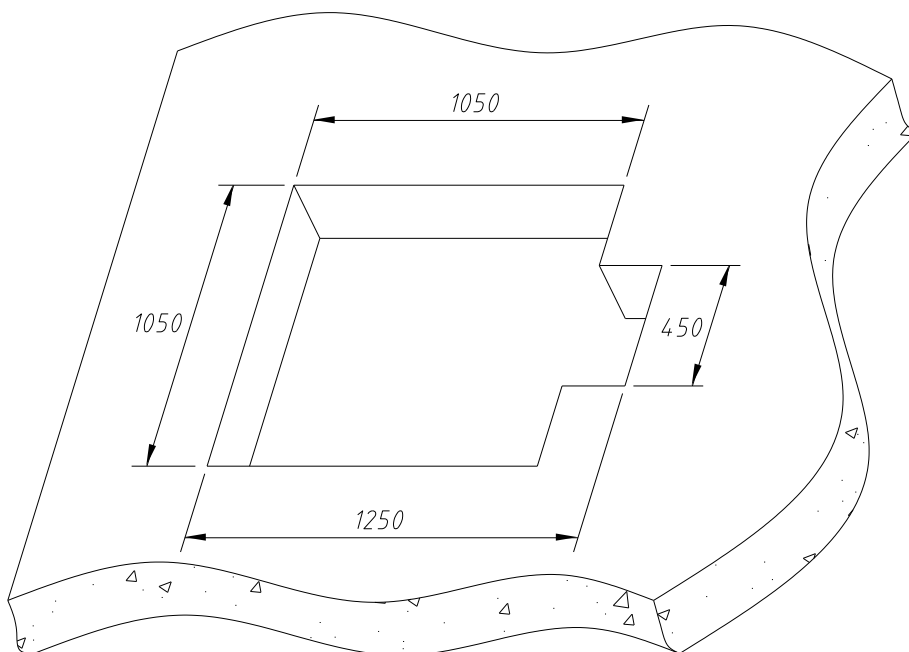
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PLACING BOOM SYSTEM ----- [FRAME _ CLIMBING]



370 KG

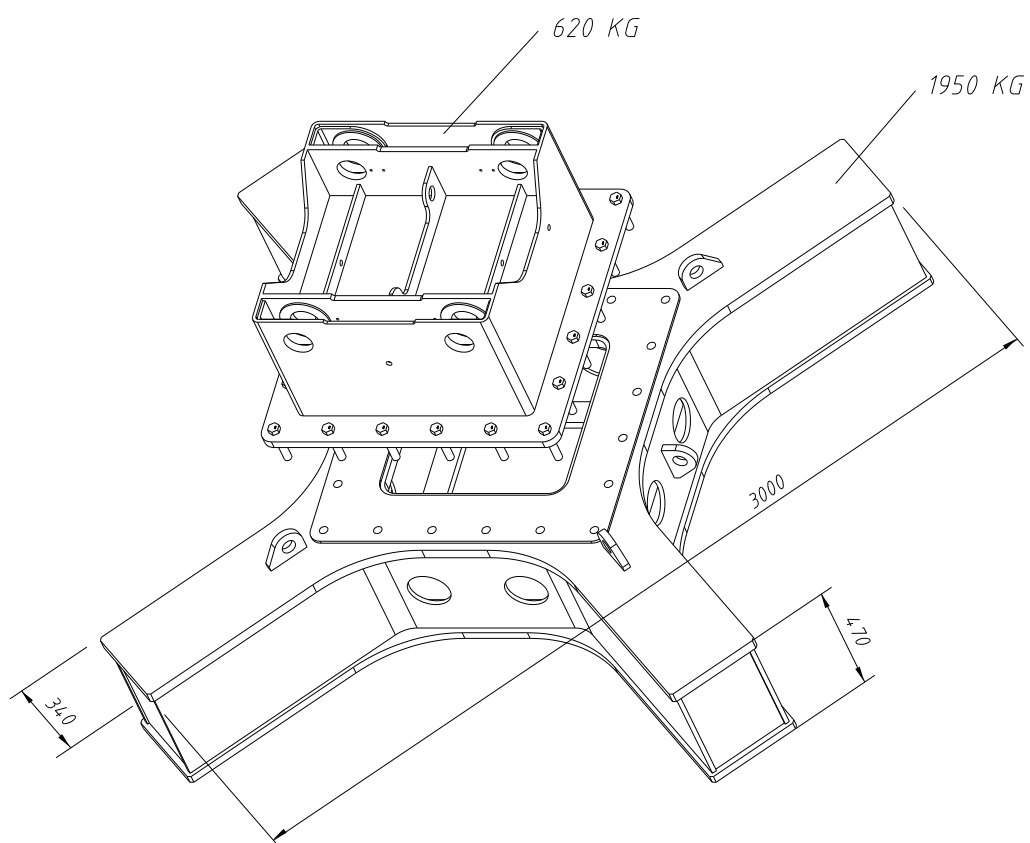




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PLACING BOOM SYSTEM ----- [BASE_ANCHOR & ADAPTER_ANCHOR]

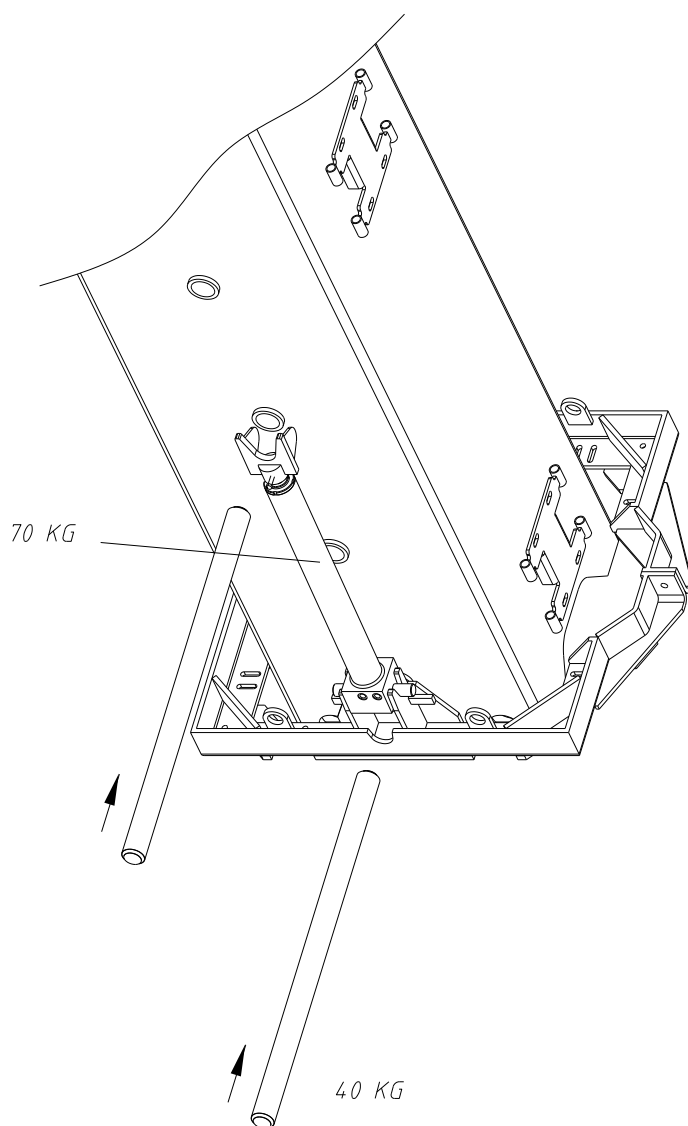




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PLACING BOOM SYSTEM ----- [CLIMBING_CYLINDER]





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PLACING BOOM SYSTEM ----- [WORKING PLATFORM & LADDER]

