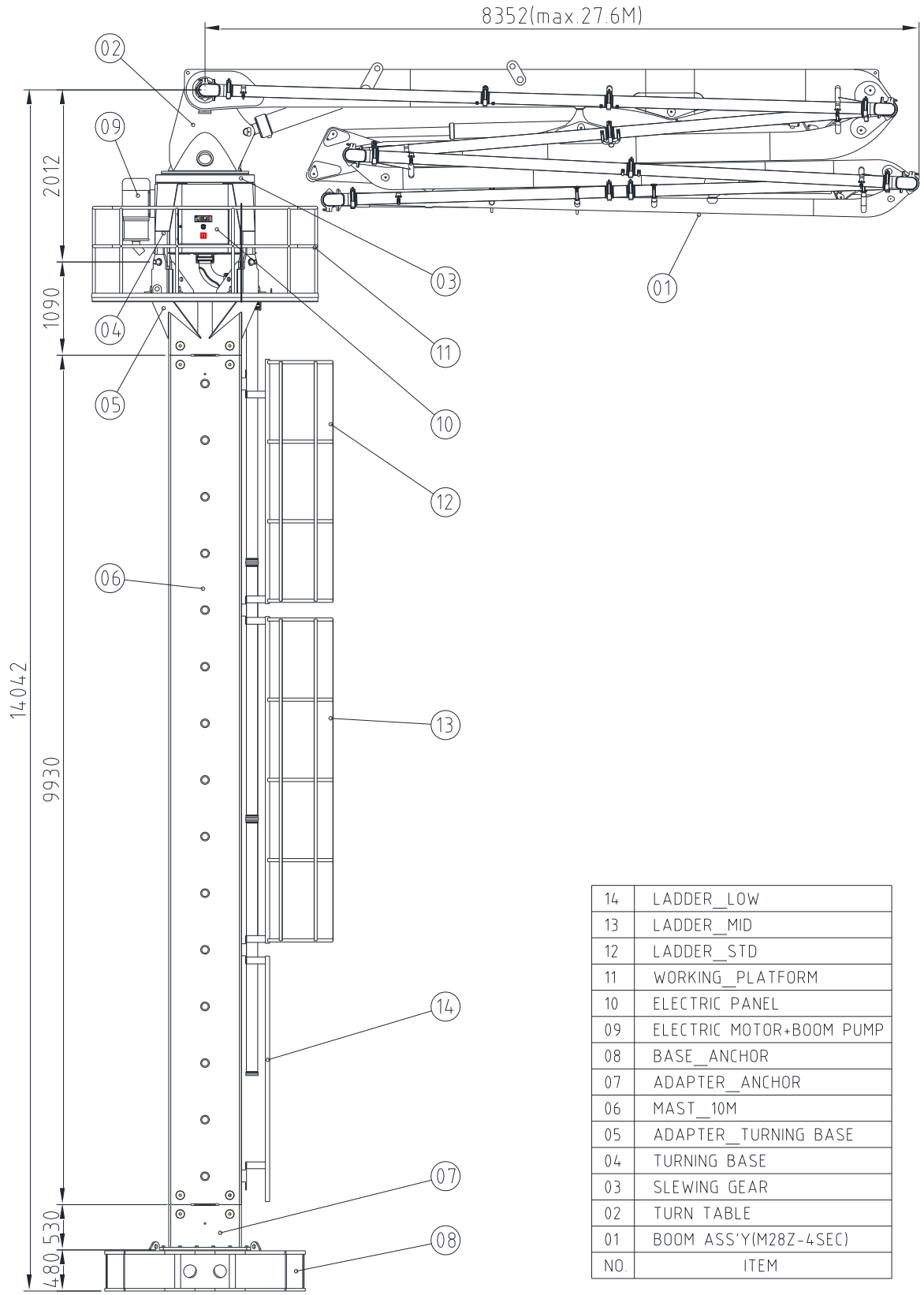
KCP CONCRETE PUMPS

KB-M28Z

Placing Boom System Layout



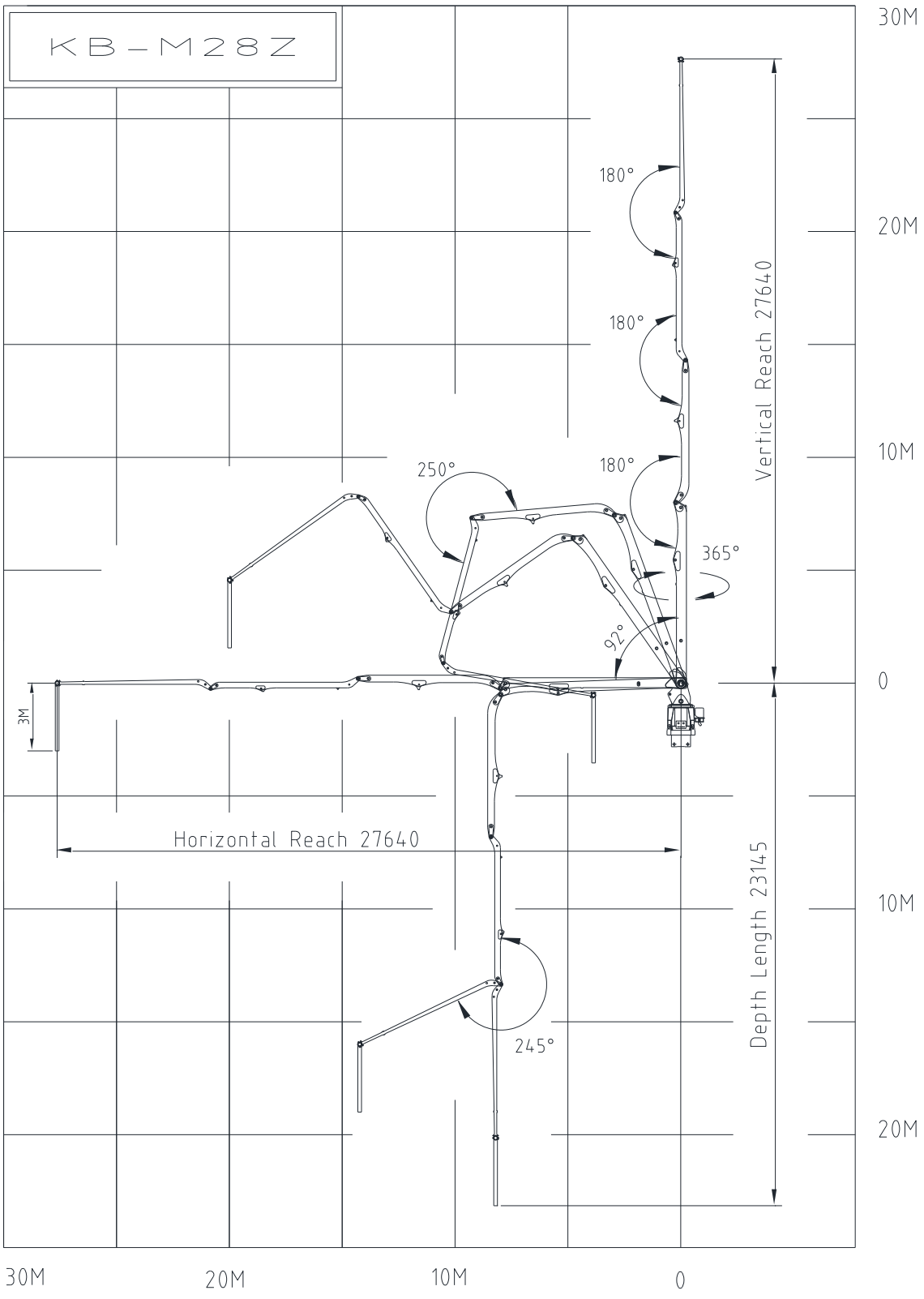
NO.	ITEM
14	LADDER_LOW
13	LADDER_MID
12	LADDER_STD
11	WORKING_PLATFORM
10	ELECTRIC PANEL
09	ELECTRIC MOTOR+BOOM PUMP
08	BASE_ANCHOR
07	ADAPTER_ANCHOR
06	MAST_10M
05	ADAPTER_TURNING BASE
04	TURNING BASE
03	SLEWING GEAR
02	TURN TABLE
01	BOOM ASS'Y(M28Z-4SEC)

A4(210 × 297)

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Placing Boom System Working diagram

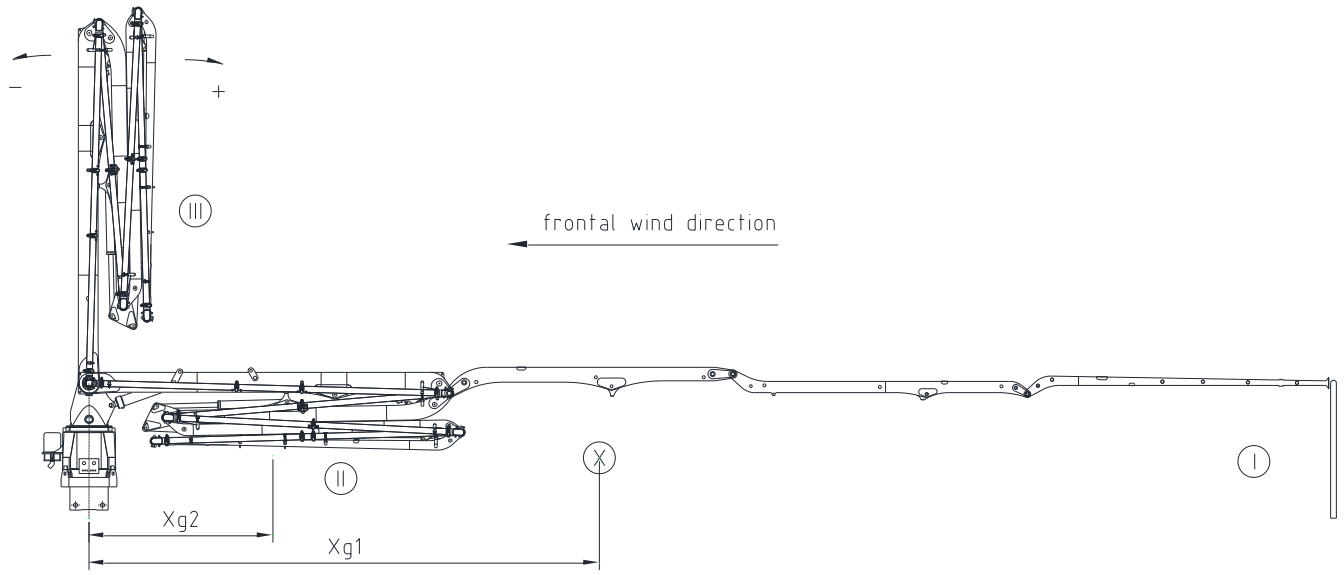


A4(210 × 297)

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Placing Boom System Technical data



MOMENT [KNm]	
Position of boom	Moment(boom side) → +
I with concrete in pipe-line	→ 600 KNm
II without concrete in pipe-line	→ 200 KNm
III without concrete in pipe-line	→ 32 KNm

Total weight [kg]- boom, table, base(with oil), motor, pump, (+concrete)			
In operation	7,300 kg	Out of operation	6,500 kg

Wind-exposed areas [㎡]

Position of boom	Wind-exposed area	Center of gravity distance	remark
I II	11.3 ㎡ boom-side 11.3 ㎡ boom-side	Xg1 = 9.7 m Xg2 = 3.8 m	Wind surface perpendicular to frontal wind
I/II III	2.3 ㎡ 10 ㎡	Ys = 1.4 m Ys = 4.2 m	Exposed area in frontal wind

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/㎡]	800	1280	1760	2080

F = W × A

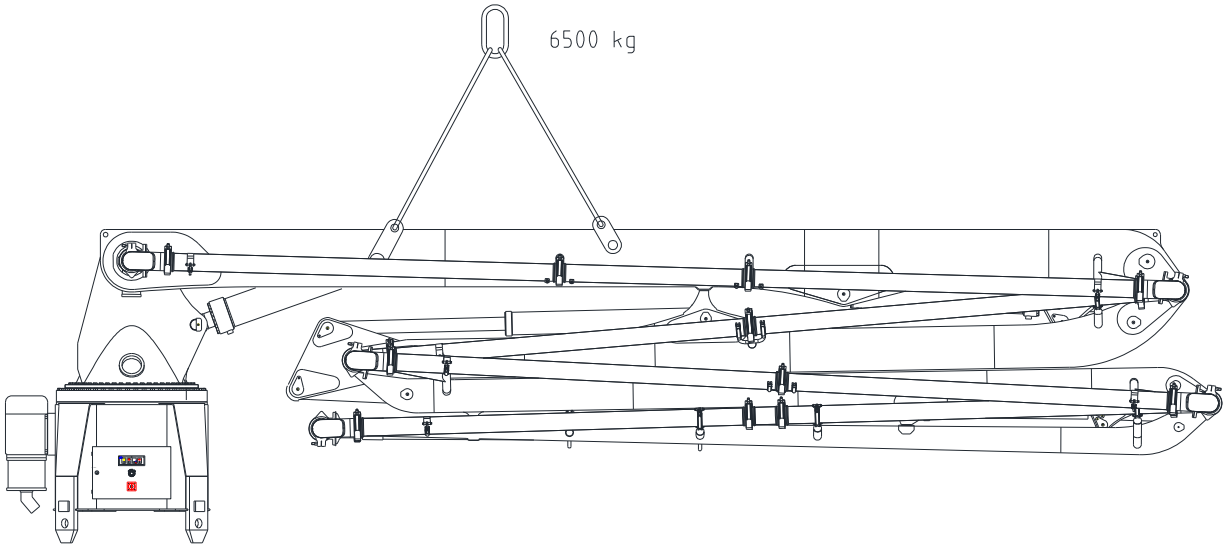
F : wind force	W : lateral thrust due to wind	A : wind surface area

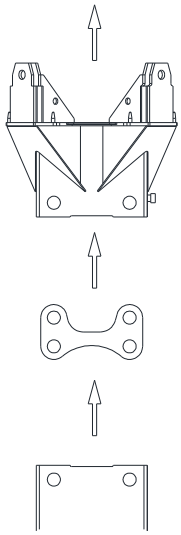
A4(210 × 297)

KCP CONCRETE PUMPS

KB-M28Z

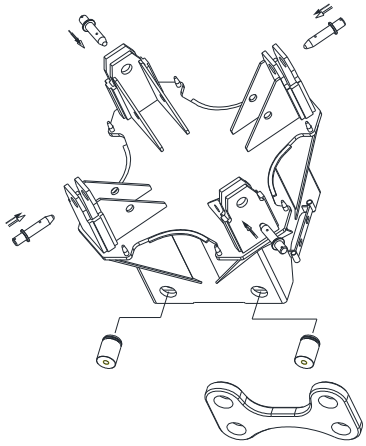
PLACING BOOM SYSTEM ----- [BOOM ASS'Y & UPPER PARTS]

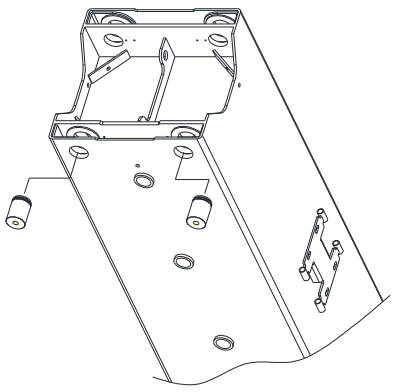




1100kg

80kg/ea

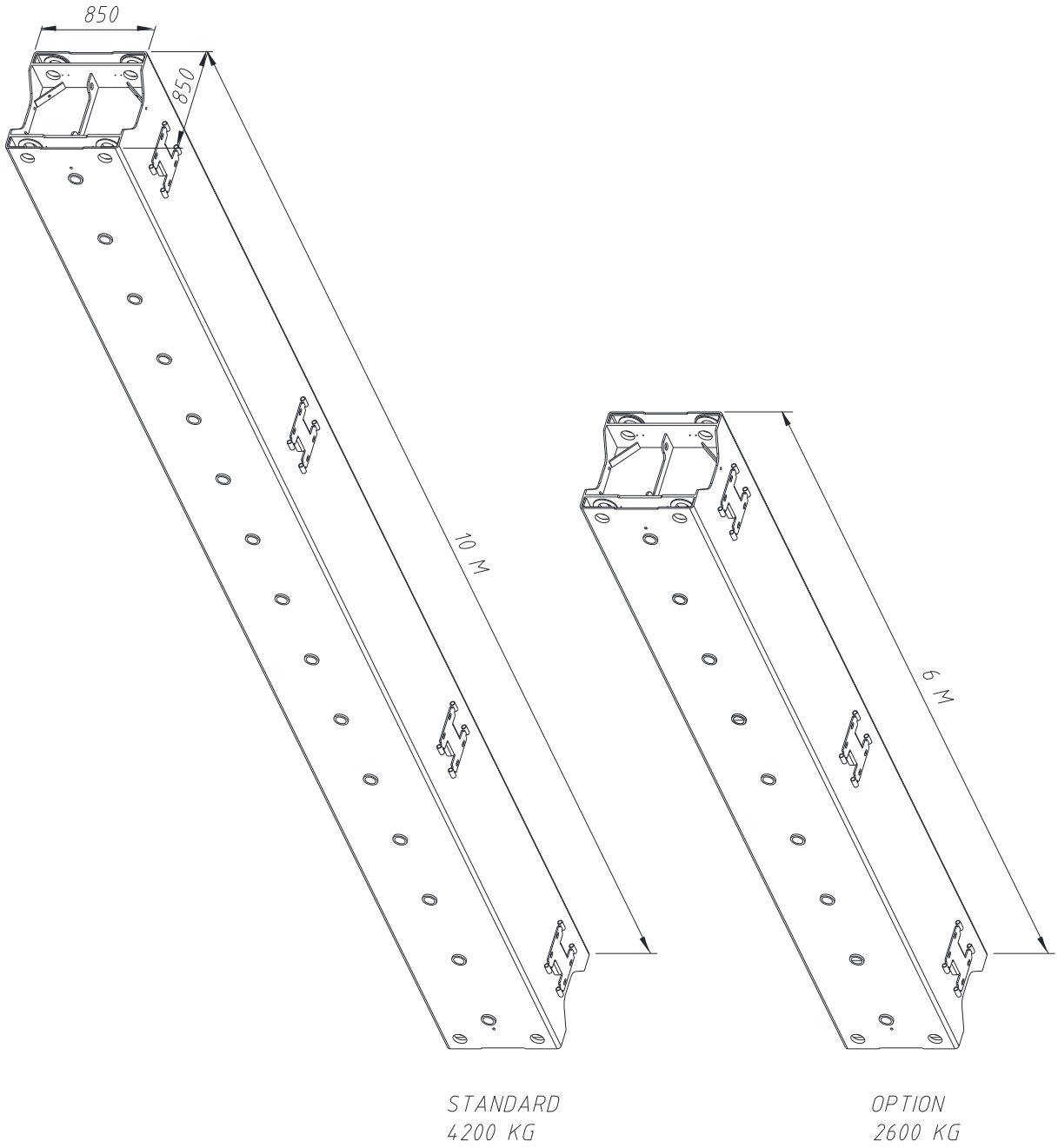




KCP CONCRETE PUMPS

KB-M28Z

PLACING BOOM SYSTEM ----- [MAST]

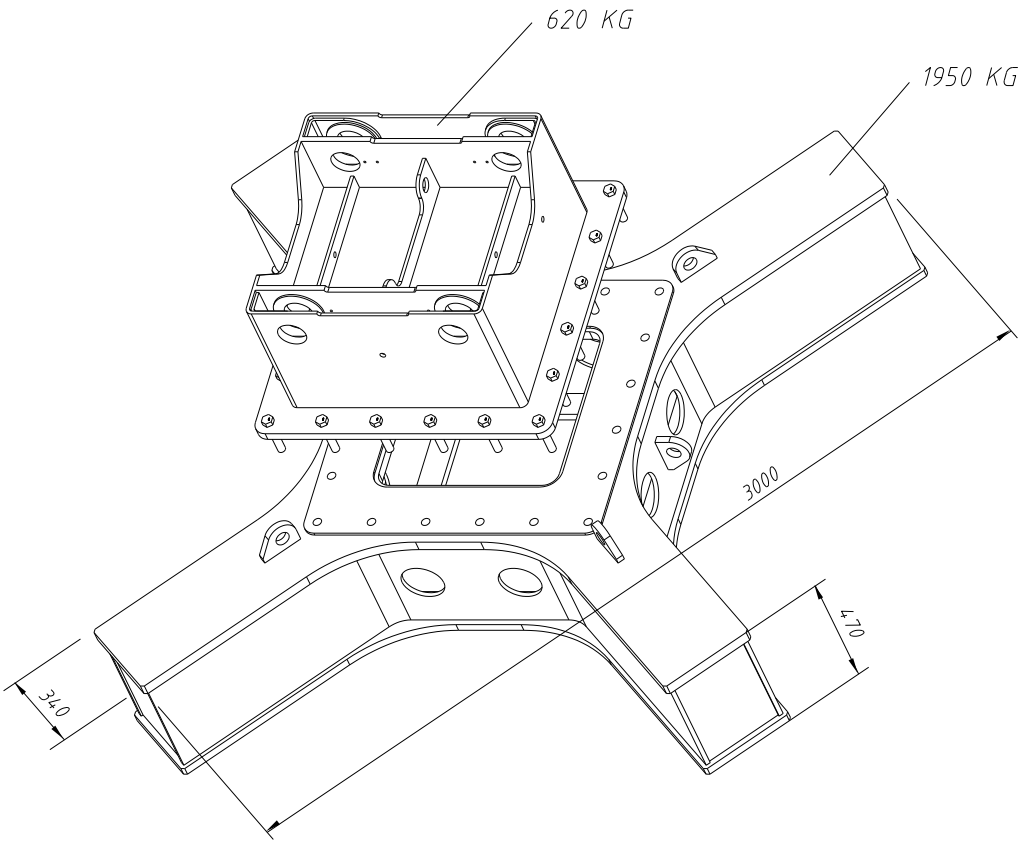


A4(210 × 297)

KCP CONCRETE PUMPS

KB-M28Z

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

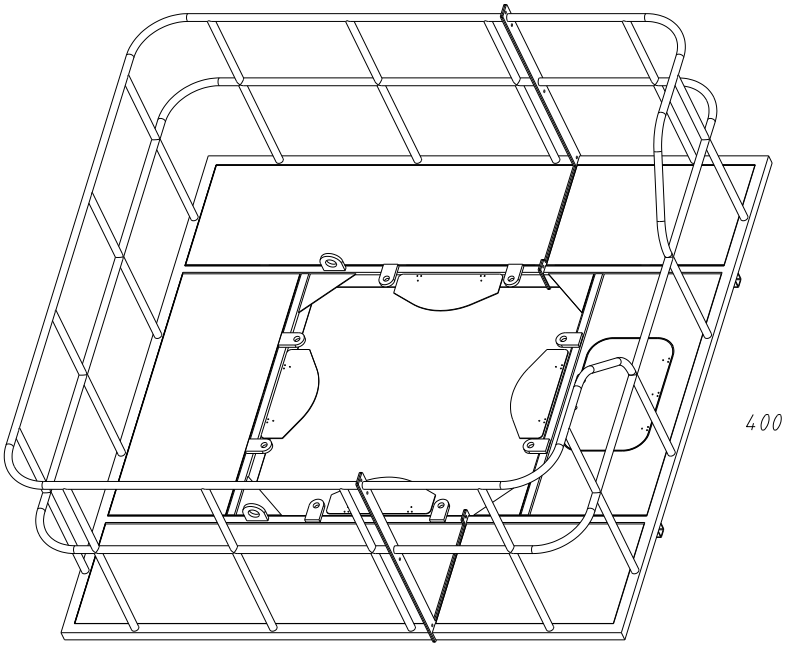


A4(210 × 297)

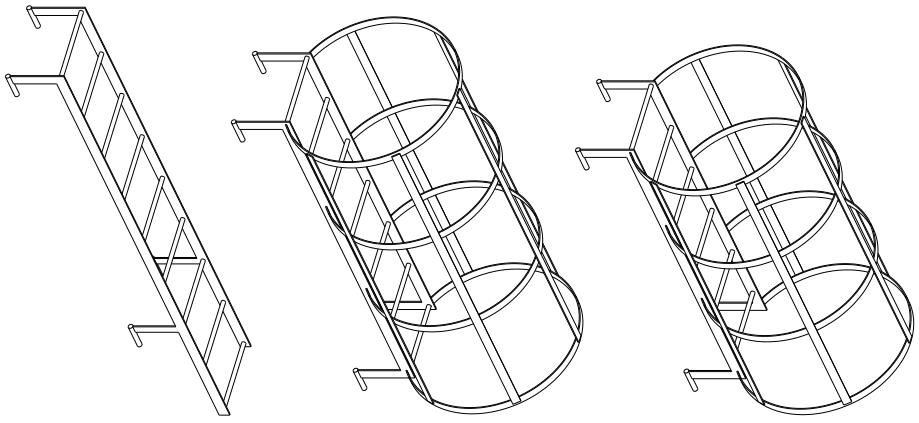
KCP CONCRETE PUMPS

KB-M32R

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



400 KG



25 KG

45 KG

40 KG

A4(210 × 297)