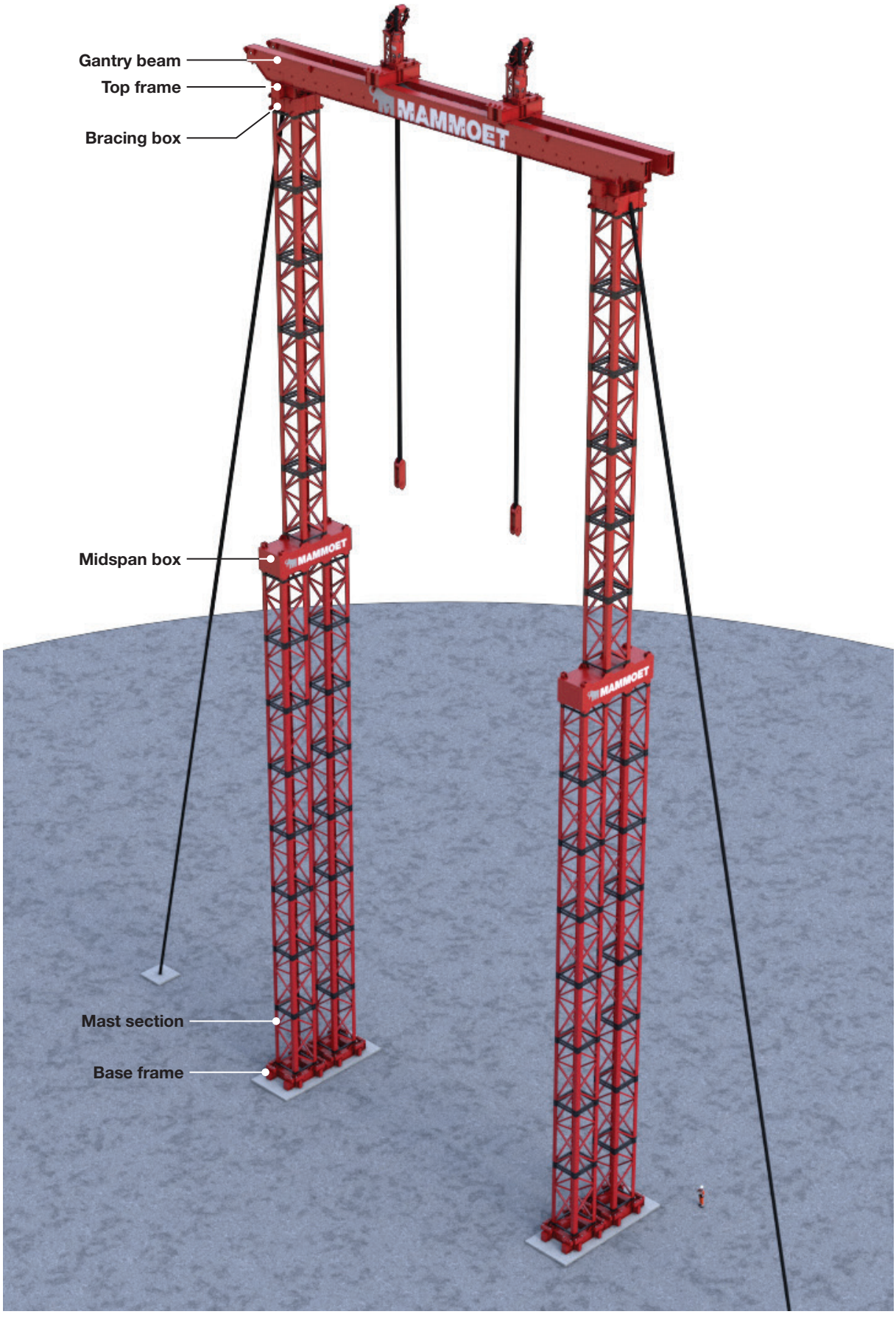
MSG GANTRY SYSTEM

OVERVIEW



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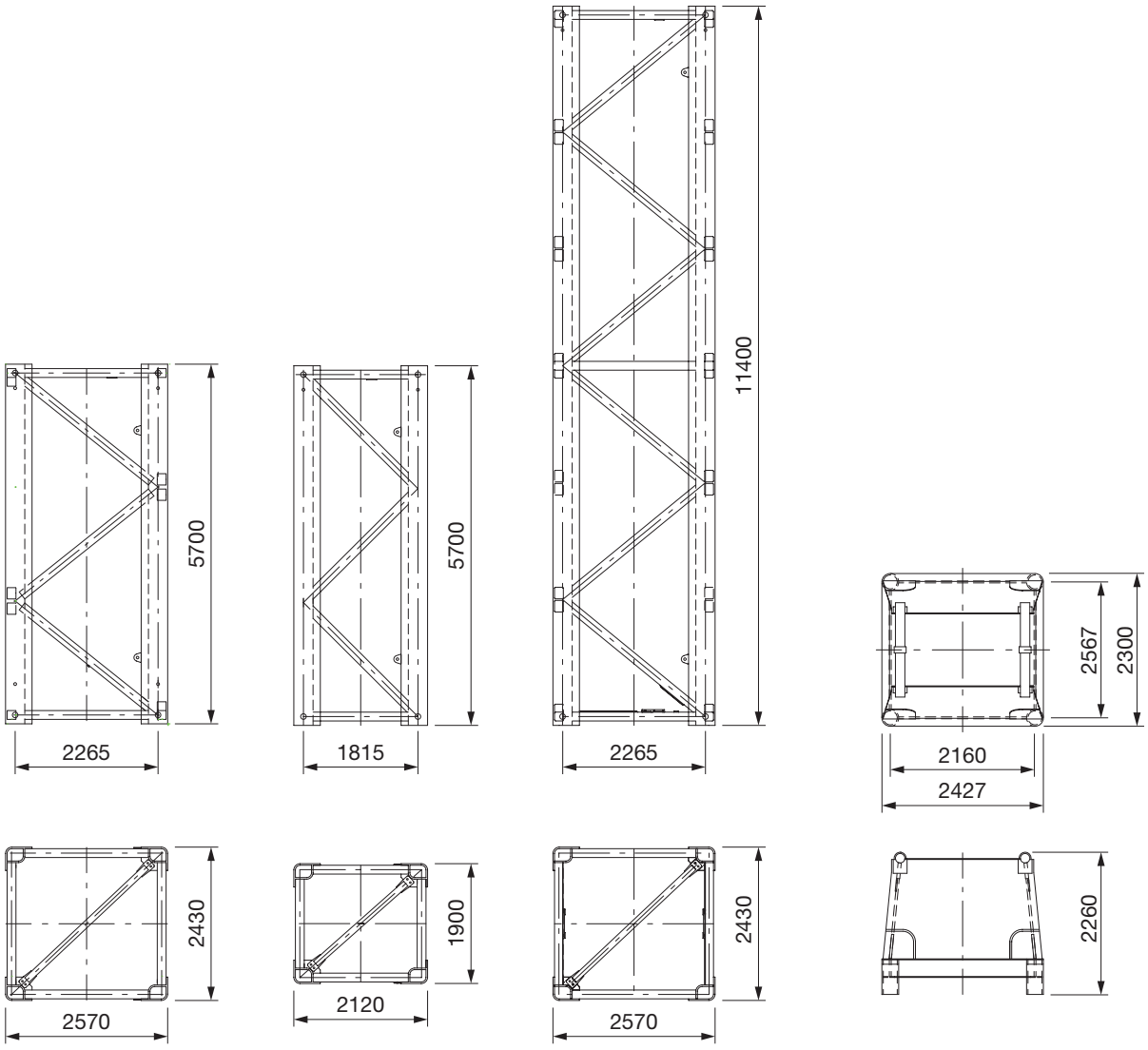
MSG GANTRY SYSTEM

MAST SECTIONS
DIMENSIONS AND SPECIFICATIONS



Mast section type 1

Mast section type 2

Mast section type 3

Adapter

WEIGHT	
Mast section type 1	7100 kg
Mast section type 2	6515 kg
Mast section type 3	12938 kg
Adapter	5655 kg

Dimensions are in millimeters, t = metric tons.
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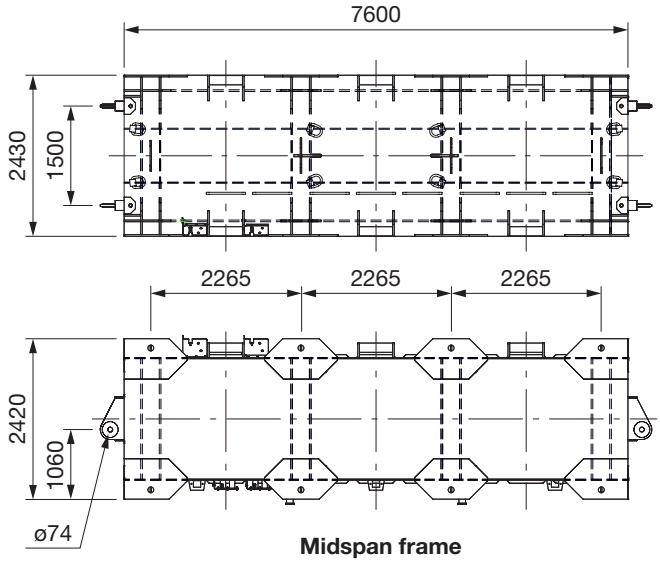
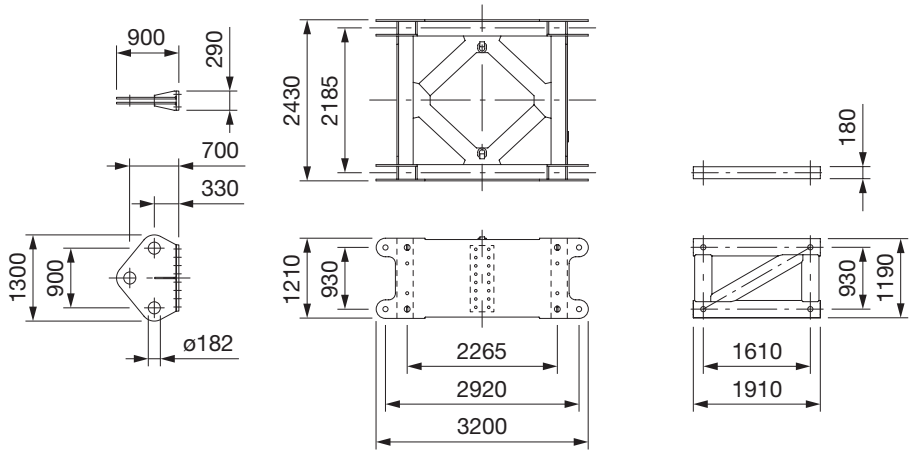
MSG GANTRY SYSTEM

MIDSPAN BOX, BRACING BOX
DIMENSIONS AND SPECIFICATIONS



Midspan frame



Bracing bracket **Connection box** **Connection frame**

WEIGHT	
Midspan box	20427 kg
Bracing bracket	403 kg
Connection box	4950 kg
Connection frame	606 kg

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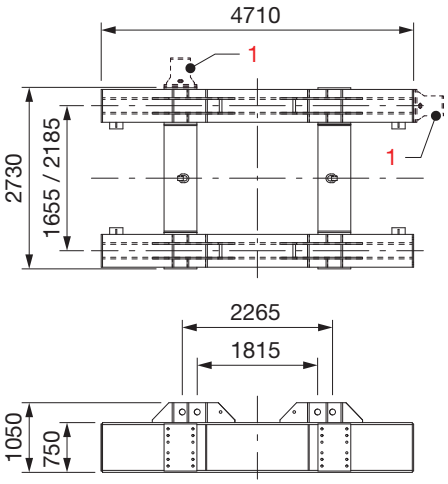
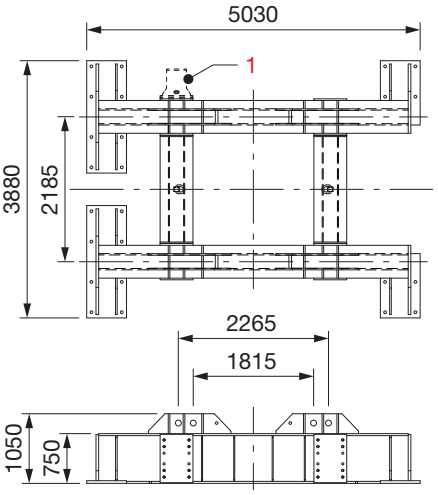
MSG GANTRY SYSTEM

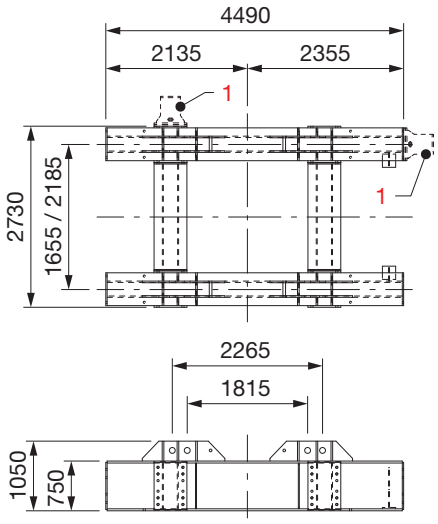
BASE FRAMES
DIMENSIONS AND SPECIFICATIONS



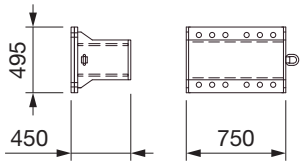
Base frame, type 1



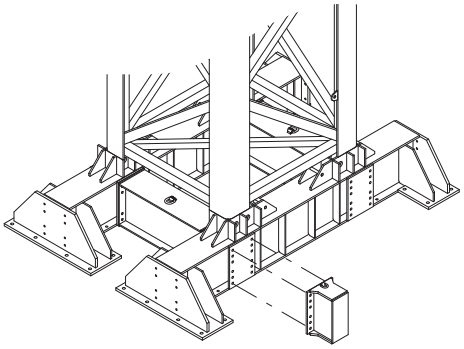
Base frame, type 3

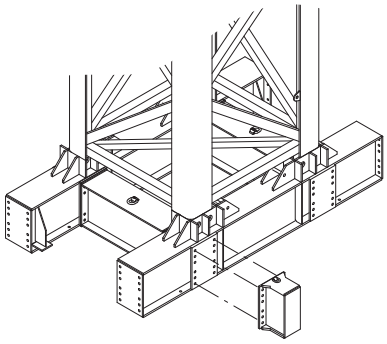


Base frame, type 2



Side bracket





WEIGHT	
Base frame type 1	
With width 1655	6945 kg
With width 2185	7285 kg
Base frame type 2	
With width 1655	7067 kg
With width 2185	7285 kg
Base frame type 3	9660 kg
Side bracket	224 kg

[1] Locations of the side bracket

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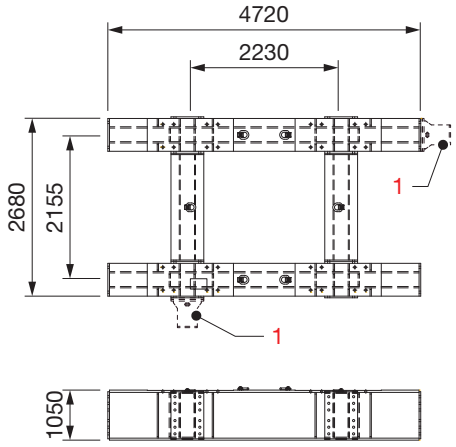
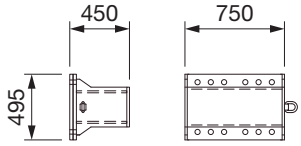
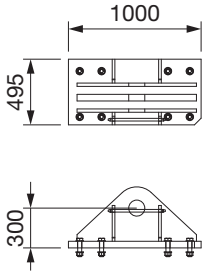
BASE FRAMES
DIMENSIONS AND SPECIFICATIONS



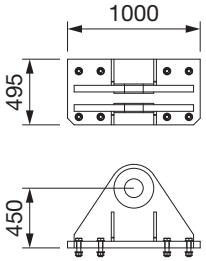
Base frame, type 5



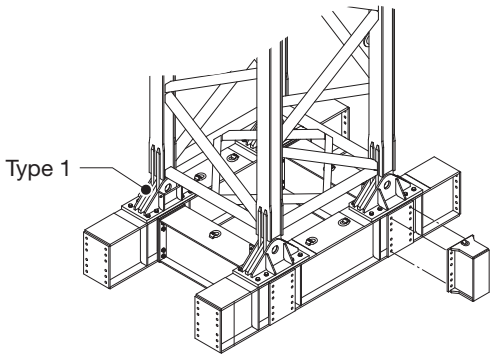
Side bracket

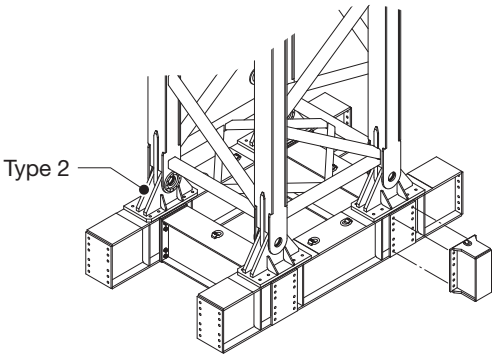


Base frame connection type 1



Base frame connection type 2





WEIGHT	
Base frame, type 5	8869 kg
Side bracket	224 kg
Base frame connection, type 1	419 kg
Base frame connection, type 2	470 kg

[1] Locations of the side connection

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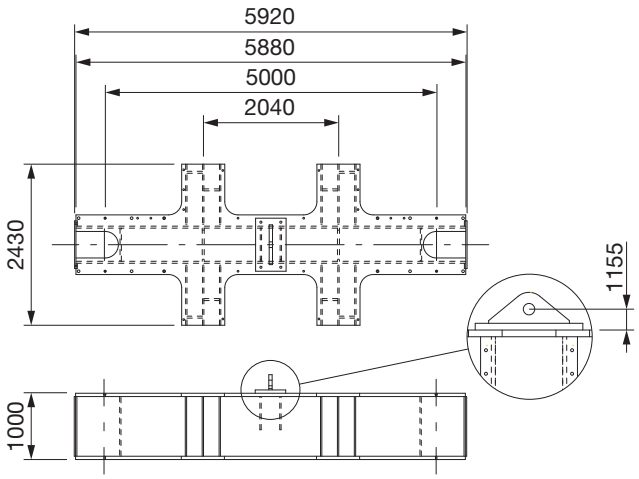
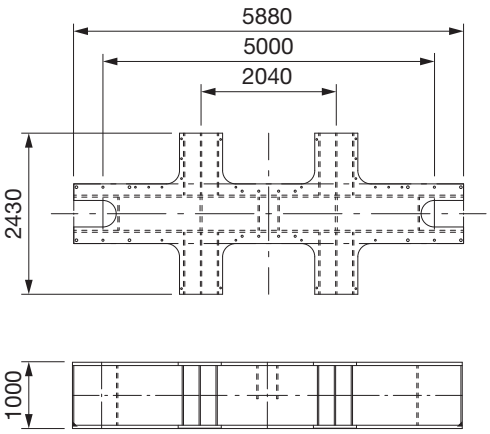
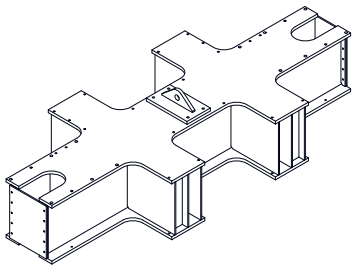
TOP FRAMES
DIMENSIONS AND SPECIFICATIONS

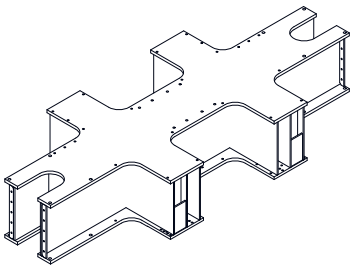


Top frame main boom type 1



Top frame main boom type 3





WEIGHT	
Top frame main boom type 1	10720 kg
Top frame main boom type 3	10720 kg

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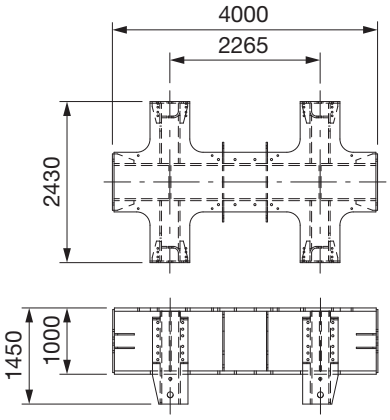
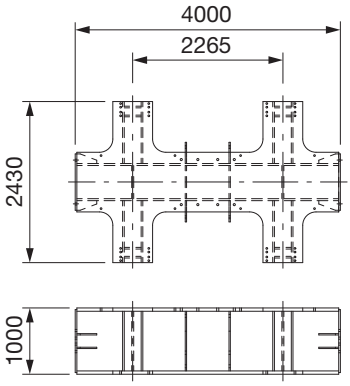
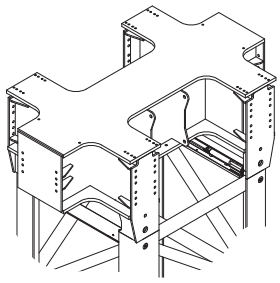
TOP FRAMES
DIMENSIONS AND SPECIFICATIONS

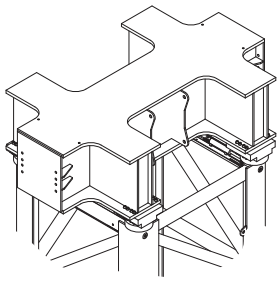


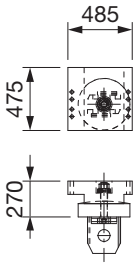
Top frame P55 type 1



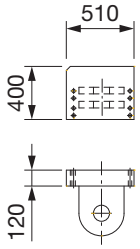
Top frame P55 type 2



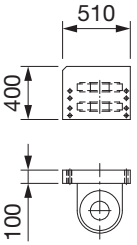




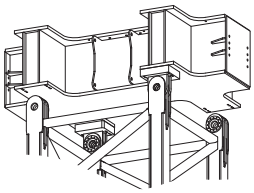
Connection block mast section-top frame type 3 (right), type 4 (left)

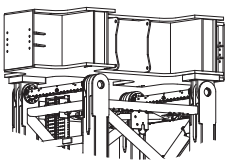


Connection block jib mast-top frame type 1, type 2



Connection block back mast-top frame type 3





WEIGHT

Top frame P55, type 1	9009 kg
Top frame P55, type 2	8463 kg
Connection block mast section-top frame type 3, type 4	404 kg
Connection block jib mast-top frame type 1, type 2	271 kg
Connection block back mast-top frame type 3	253 kg

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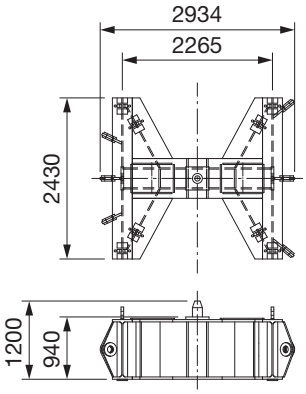
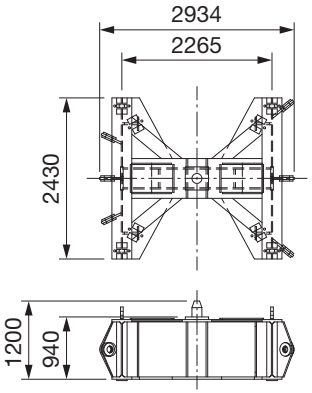
MSG GANTRY SYSTEM

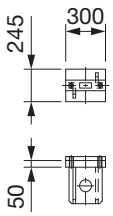
TOP FRAMES
DIMENSIONS AND SPECIFICATIONS



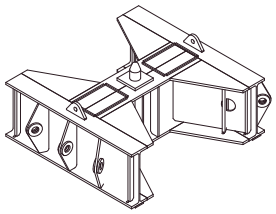
Top frame main boom type 2

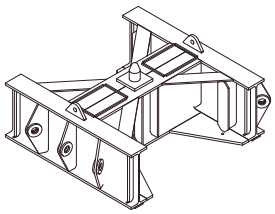


Top frame main boom type 3



Connection block mast type 1-top frame





WEIGHT	
Top frame main boom type 2	5086 kg
Top frame main boom type 3	5000 kg
Connection mast type 1	65 kg

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MSG GANTRY SYSTEM

GANTRY BEAMS SPECIFICATIONS

SPECIFICATIONS

Gantry beam name	No.	Dimensions						Section modulus	
		Length (mm)	Flange width (mm)	Max. width (mm)	Height (mm)	Weight (kg)	Steel quality	W_y (cm^3)	W_z (cm^3)
Grootint	1	27838	1600	1707	2376	60160	S355	200600	125600
P55	2	11800	1000	1440	2850	27518	S690QL	161459	49765
	3	11800	1000	2200	2850	29079	S690QL	161459	49765
	4	11800	1000	1440	2850	27125	S690QL	161459	49765
	5	11800	1000	1440	2850	27013	S690QL	161459	49765
	6	11800	1000	1440	2850	27013	S690QL	161459	49765
	7	5650	1000	1440	2850	14912	S690QL	170908	58405
Corus	8	17450	1000	1470	2460	44900	S355	202850	44330
	9	17450	1000	1470	2460	37434	S355	202850	44330
Super VSH	10	11886	900	900	1082	12100	S355	38670	17085
	11	1867	900	900	1082	1909	S355	–	–
	12	11415	900	900	1082	11500	S355	38670	17085
	13	1867	900	900	1082	1909	S355	–	–
Kursk	14	39055	800	1340	2065	52500	S690QL	101000	25800
	15	10040	800	800	2050	13460	S690QL	101000	25800
	16	38030	800	1340	2065	50200	S690QL	101000	25800
Dow	17	11040	850	1250	2200	20662	S355	99623	–
	18	12000	850	1250	1800	20558	S355	99623	–
	19	30135	850	850	2390	60000	S355	99623	–
Drogenbosch	20	24642	600	600	1560	20800	S355	47880	8960
Troll girder	21	14450	800	800	3380	35000	S355	228842	488308
		6610	800	800	3380	12154	S355	228842	488308
		14250	800	800	3380	35000	S355	228842	488308
1600 Girder	22	5800	600	600	1600	6275	S460	45290	11570
		7300	600	600	1600	6858	S460	45290	11570
		11600	600	600	1600	10900	S460	45290	11570
		5350	600	600	1600	3478	S460	45290	11570
	23	5350	600	600	1600	4936	S460	45290	11570
	24	1640	600	600	1600	1900	S460	45290	11570
St. Lucie girder	25	11825	900	900	2400	17400	S355	89320	20018
	26	11825	900	900	2400	16800	S355	89320	20018
	27	7146	900	900	2400	12601	A572 Gr50	111964	35688

MSG GANTRY SYSTEM

GANTRY BEAMS DIMENSIONS

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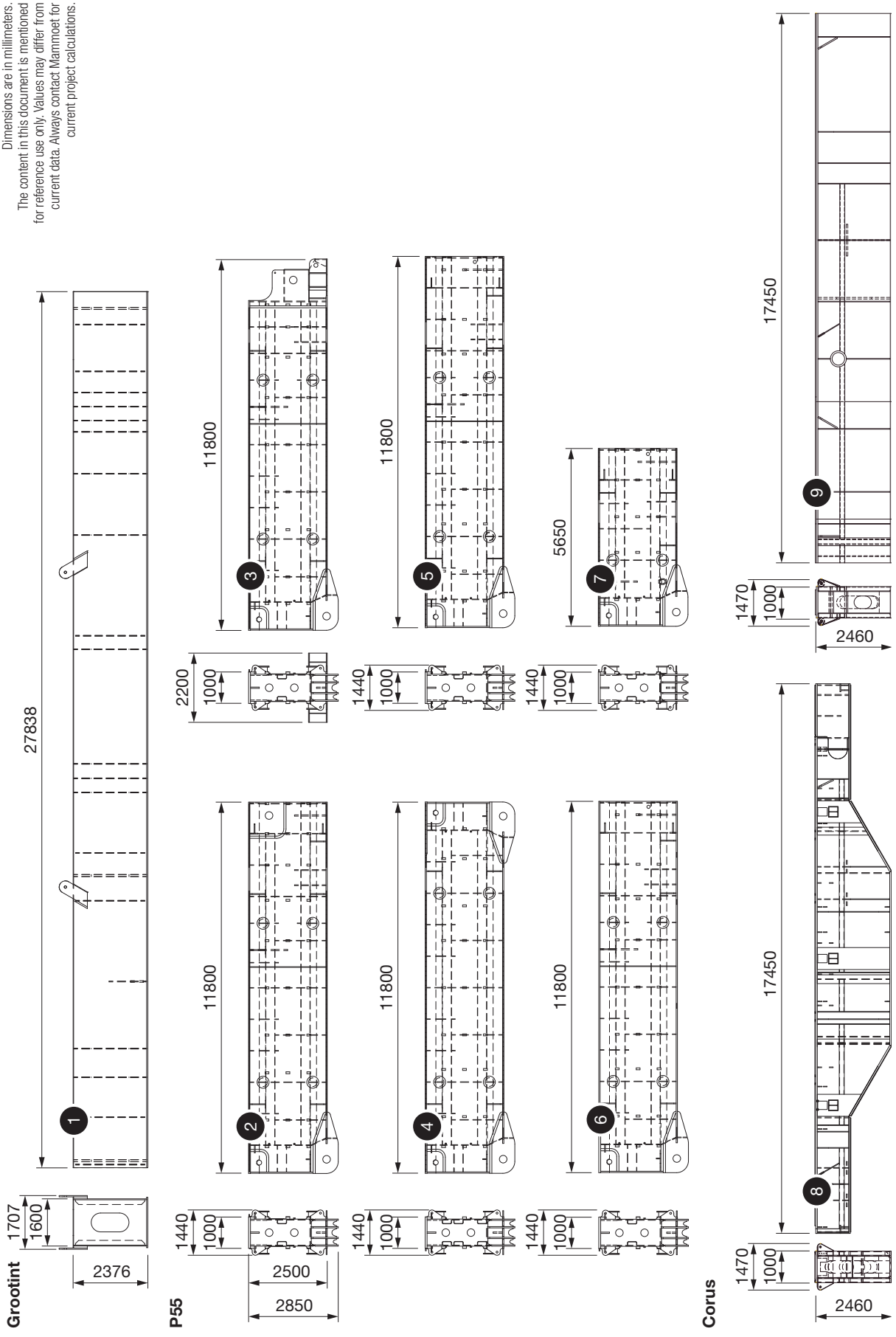

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MSG GANTRY SYSTEM

GANTRY BEAMS DIMENSIONS

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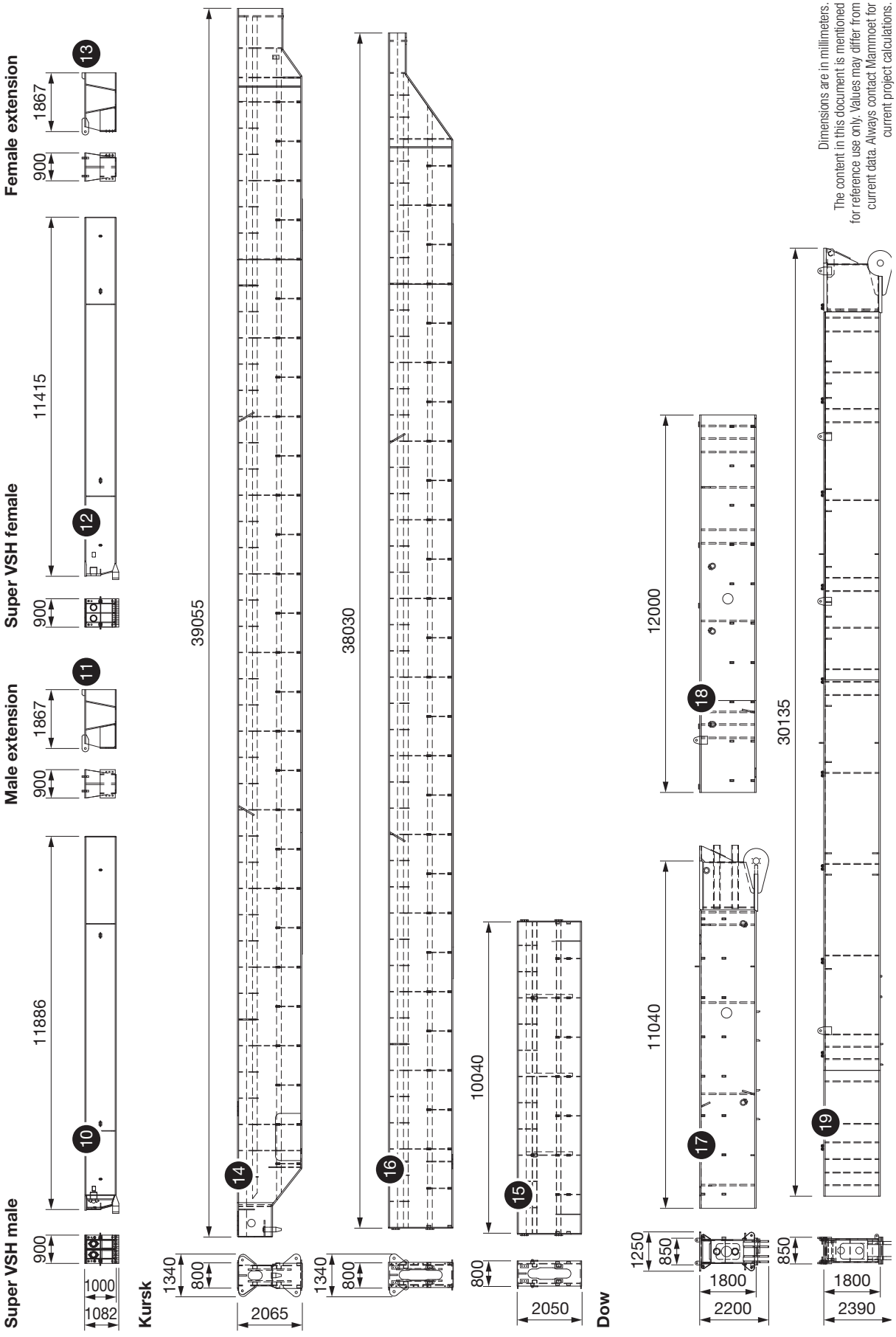

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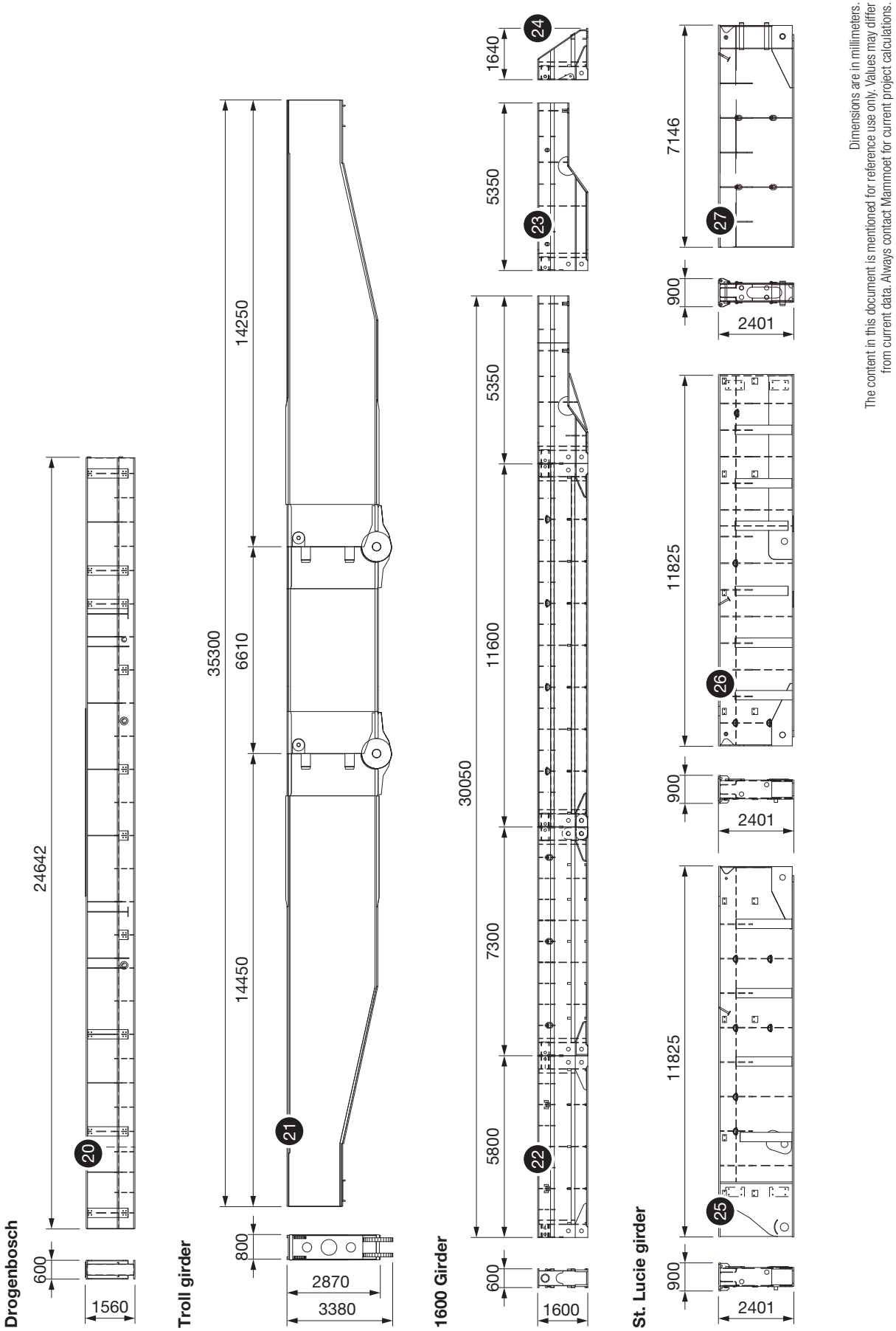

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