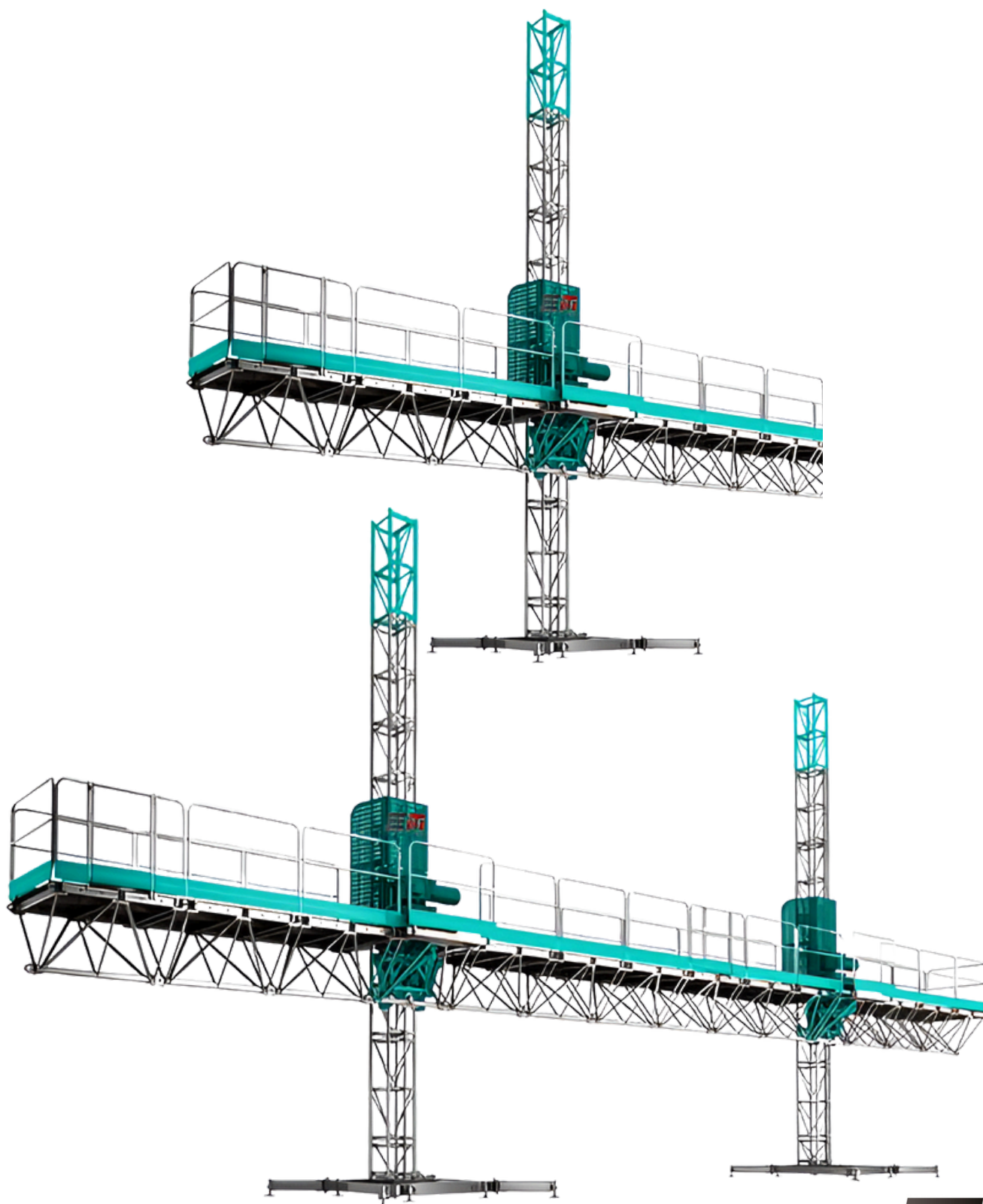


EMKO TECHNIC

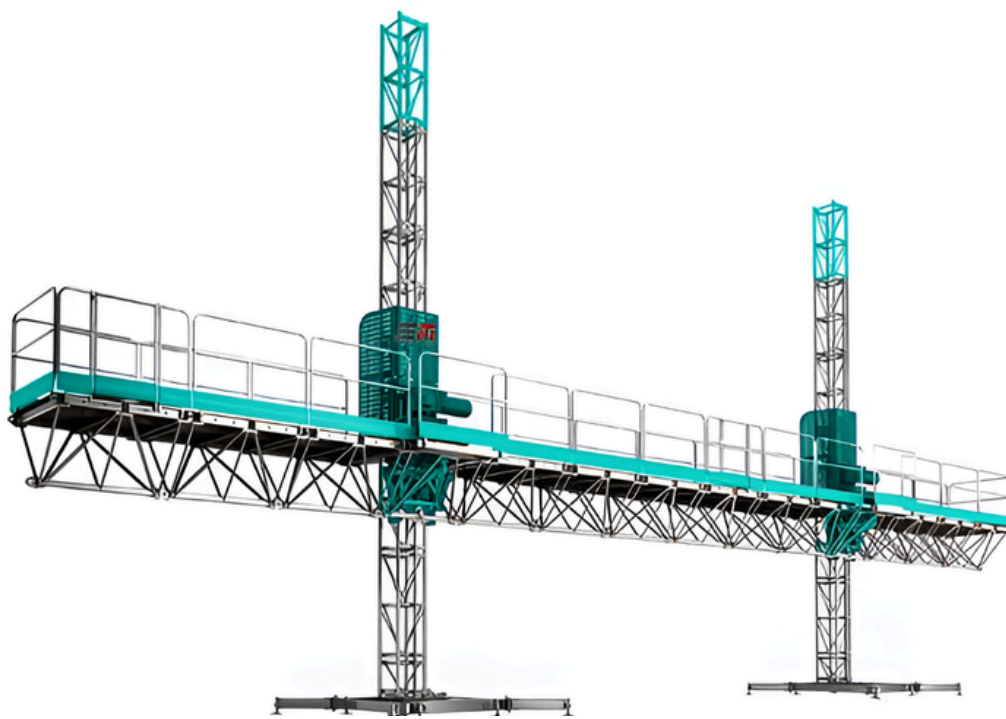
MT-450/MT XL-450



Vision Sets Excellence Standarts

MAST CLIMBING WORK PLATFORM





ABOUT EMKO TECHNIC COMPANY

At EMKO TECHNIC, we transform customer visions into quality projects. We offer high-quality rack and pinion construction lifts and industrial lifts, providing tailored vertical access solutions. With over 10 years of experience, our reliable, durable products perform in tough environments.



Hoist Overview

The MT-450/MT XL-450 is a reliable hoist providing safe and efficient transportation solutions for construction. This brochure highlights its key specifications, benefits, and applications.



Leader Comfort

Soft start and stop extend the reducer lifespan while reaching 12/24 m/min. (40/78 fpm). Emko Technic inverters provide up to 40% energy savings



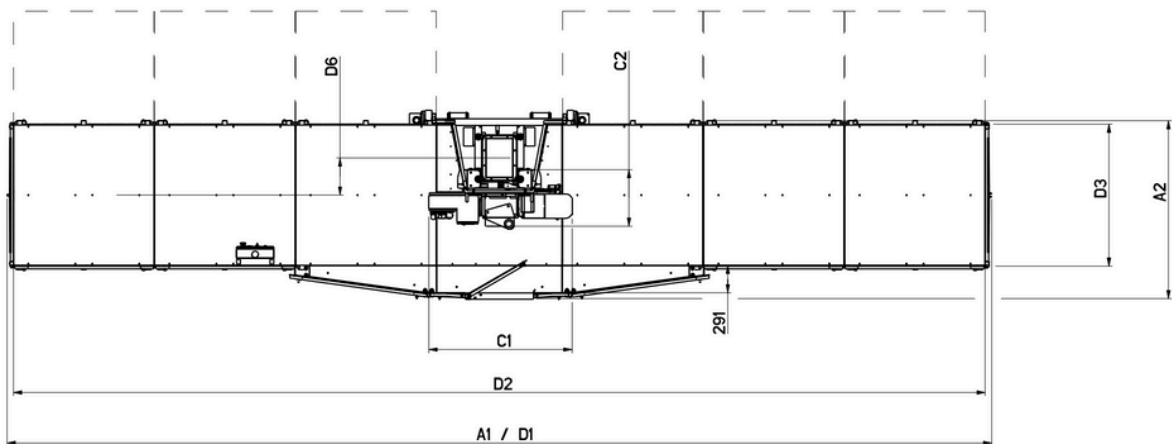
Flexible Modular

The modular structure of the elevator cabin offers different cabin sizes, door options and ramp possibilities.



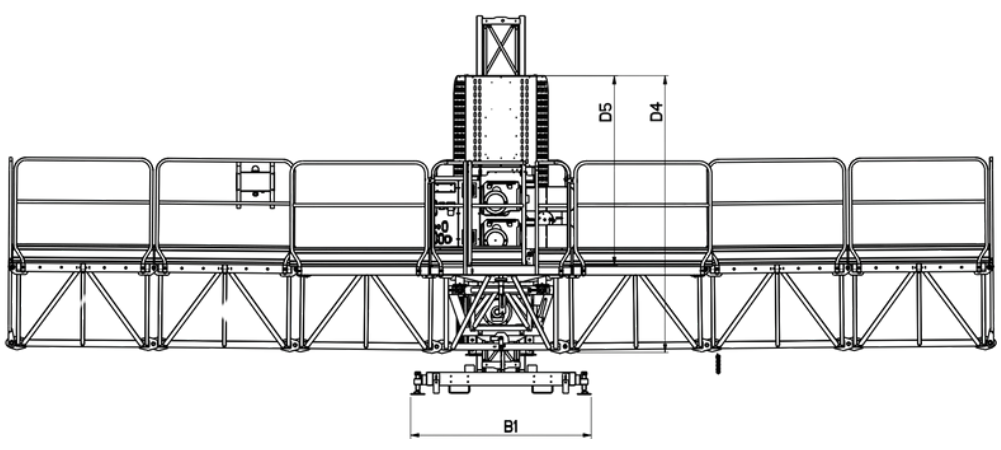
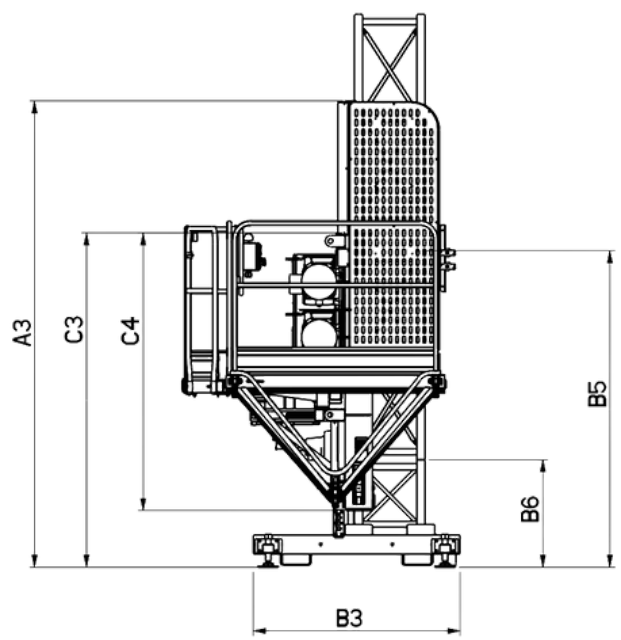
Economic

For fleet owners and rental companies, it ensures lower maintenance and ownership costs, with energy-efficient operation starting from 20 A fuses.

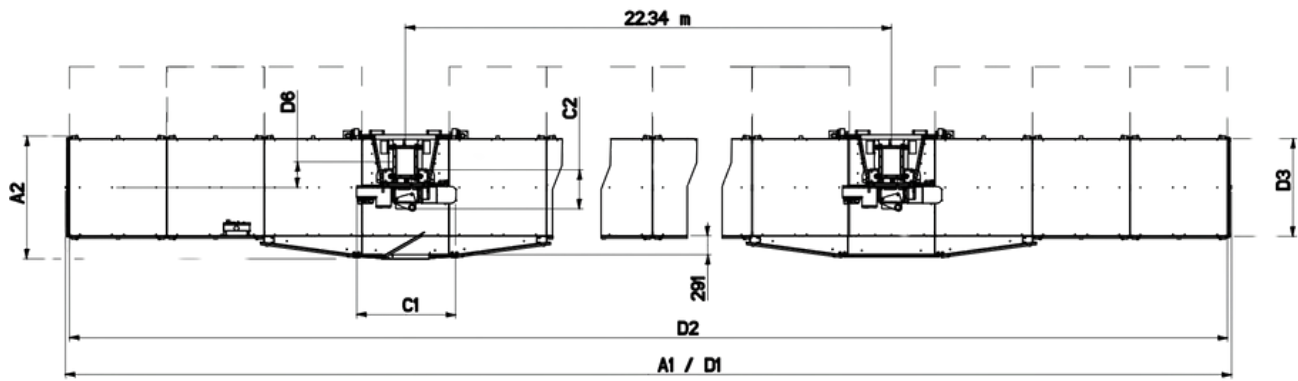


	Code	MT-A-SINGLE
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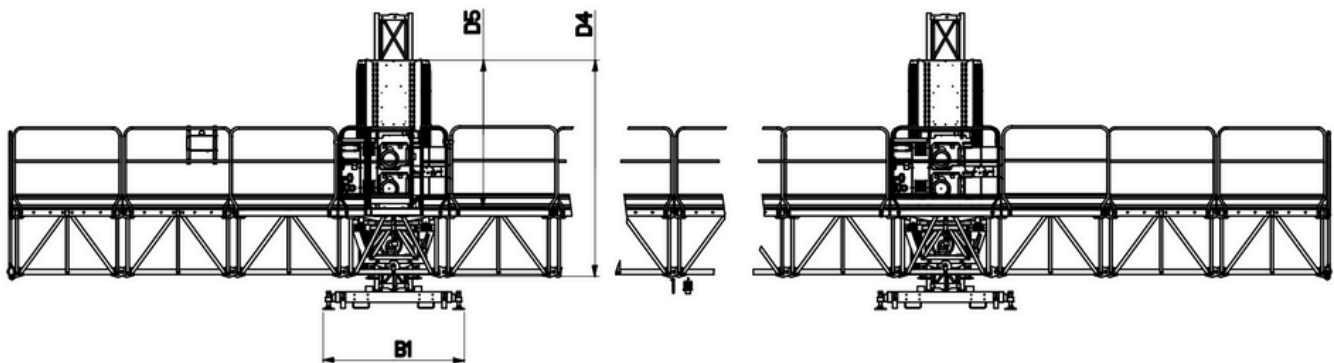
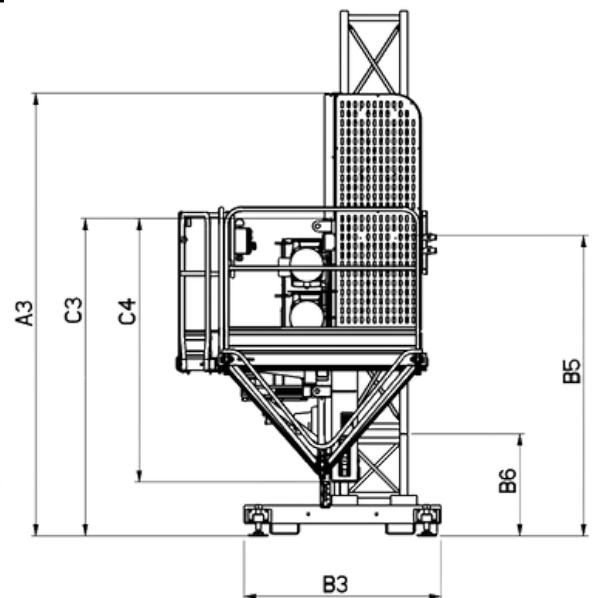
Max. machine length (m)	A1	10.48
Max. machine width (m)	A2	1.89-3.09
Max. machine height (m)	A3	3.27-3.41
Max. base frame length (m)	B2	1.91
Max. base frame width (m)	B3	1.50
Max. base frame height incl. 1 mast (m)	B5	2.29-2.33
Base frame height incl. base mast (m)	B6	0.78-0.82
Max. DU length (m)	C1	1.52
Max DU width incl. gear (m)	C2	0.6
Max. DU height - incl. base frame (m)	C3	2.31-2.45
Max. DU height (m)	C4	2.01
Max. platform length incl. PA (m)	D1	10.48
Platform length (m)	D2	10.34
Maximum platform width incl. PA, adaptor, fence (m)	D3	1.50-2.70
Maximum platform height incl. PA, adaptor, fence (m)	D4	2.92
Maximum platform width incl. PA, adaptor, fence (m)	D5	2.00
Center to center (m)	D6	0.395



MT XL-450 TWIN



	Code	MT - TWIN
Max. machine length (m)	A1	32.81
Max. machine width (m)	A2	1.89-3.09
Max. machine height (m)	A3	3.27-3.41
Max. base frame length (m)	B2	1.91
Max. base frame width (m)	B3	1.50
Max. base frame height incl. 1 mast (m)	B5	2.29-2.33
Base frame height incl. base mast (m)	B6	0.78-0.82
Max. DU length (m)	C1	1.52
Max DU width incl. gear (m)	C2	0.6
Max. DU height - incl. base frame (m)	C3	2.31-2.45
Max. DU height (m)	C4	2.01
Max. platform length incl. PA (m)	D1	32.81
Platform length (m)	D2	32.68
Maximum platform width incl. PA, adaptor, fence (m)	D3	1.50-2.70
Maximum platform height incl. PA, adaptor, fence (m)	D4	2.92
Maximum platform width incl. PA, adaptor, fence (m)	D5	2.00
Center to center (m)	D6	0.395

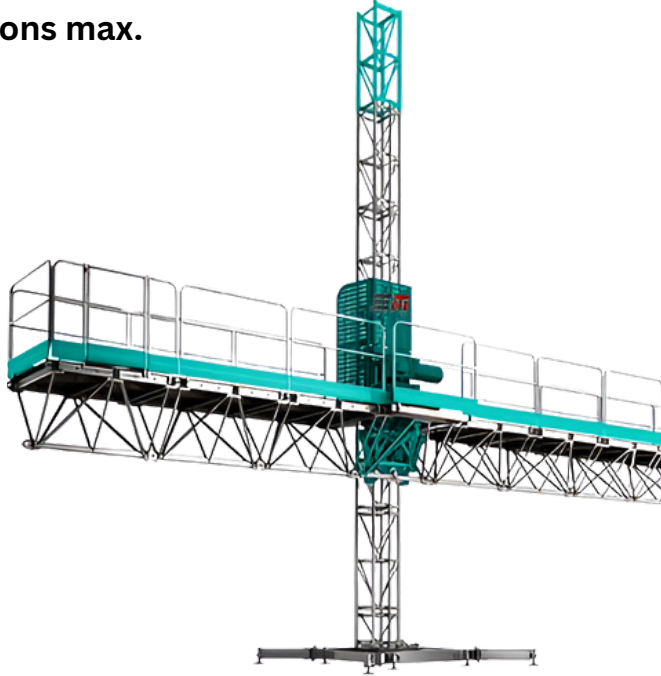


EMK MT-450 SINGLE

Platform length min .2.9m / max .10.4m

Payload

2,555 kg / 5,632 Lbs / 2 persons max.

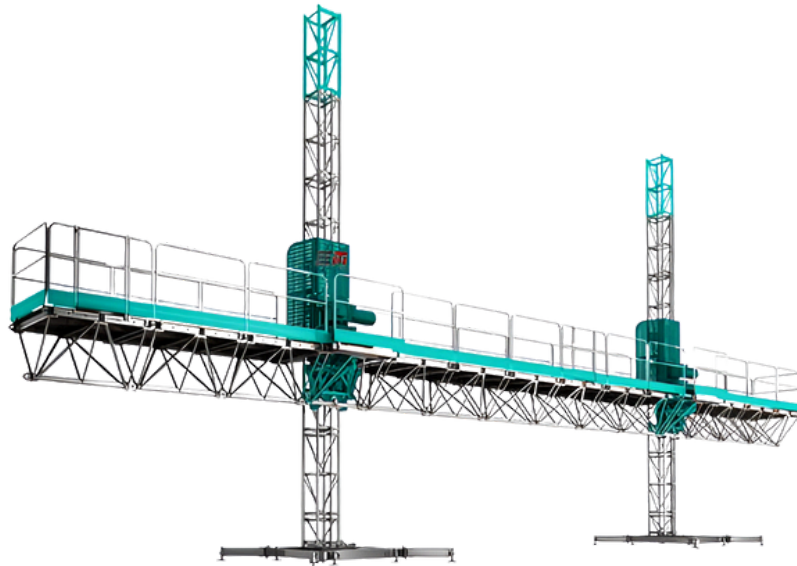


EMK MT- XL450 TWIN

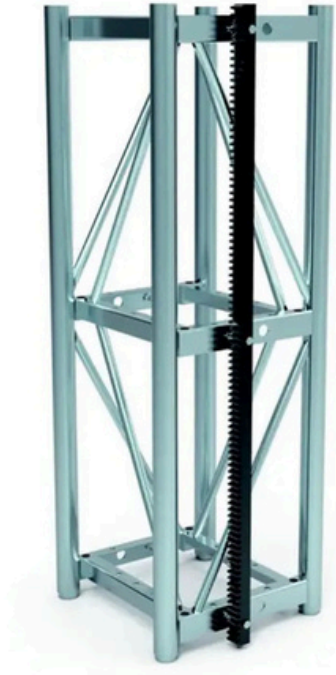
Platform length min .10.2m/ max. 32.6m

Payload

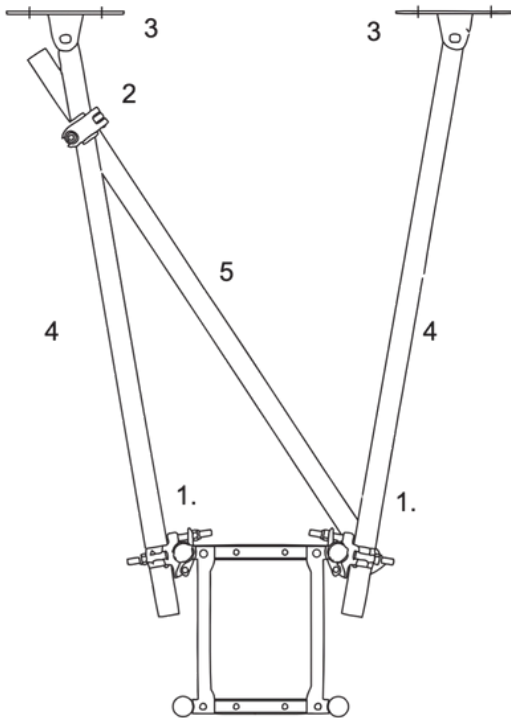
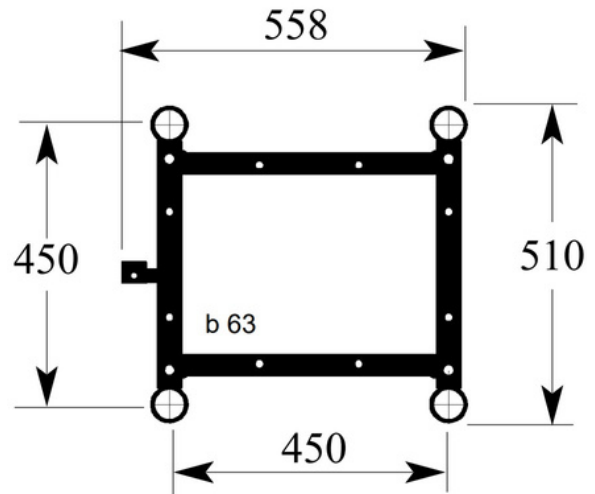
4,650 kg / 10,250 Lbs / 4 persons max.



MT-450/MT XL-450 MAST & TIE



Mast section
Length / height: 1508 mm
Weight: 68 / 85 kg

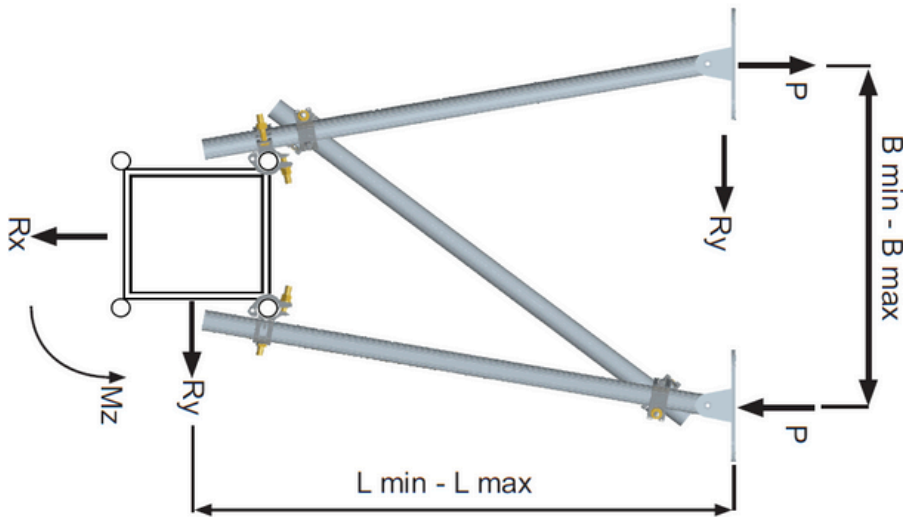


- 1 Clamps (3x)
- 2 Swivel clamp Dia. 48.3 mm (1x)
- 3 Wall brackets Dia. 48.3 mm (2x)
- 4 Main tubes Dia. 48.3 mm (2x)
- 5 Cross brace Dia. 48.3 mm (1x)

SINGLE

Dwg-No.	L min (mm)	Lmax (mm)	Bmin - Bmax (mm)	P max (kN)*	
				In service	Out of service
m0708-0058	1250	1665	1100 - 2000	19.2	11.6
			1500 - 2000	18.7	11.3
m0708-0140	2050	2465	2000 - 3200	17.4	10.7
			2300 - 3000	18.1	10.9

Overhang (m)	a	4.5 m	3 m	0 m	4.5 m	3 m	0 m
Mast tie intervals	b	9 m	9 m	9 m	6 m	6 m	6 m
Rx (kN)		6.7	5.9	4.4	8.6	7.3	5.7
Ry (kN)		7.5	6.5	6.0	9.9	8.5	7.8
Mz (kNm)		3.4	3.4	2.7	3.4	3.4	2.4



TWIN

Dwg-No.	L min (mm)	Lmax (mm)	Bmin - Bmax (mm)	P max (kN)*	
				In service	Out of service
m0708-0058	1250	1665	600 - 2000	16.6	16.9
			800 - 2000	16.2	16.6
m0708-0140	2050	2465	1000 - 3000	15.9	16.3
			1200 - 3000	15.7	16.2

Overhang (m)	a	4.5 m	3 m	0 m	4.5 m	3 m	0 m
Mast tie intervals	b	9 m	9 m	9 m	6 m	6 m	6 m
Rx (kN)		9.0	7.9	6.9	11.7	10.1	8.7
Ry (kN)		3.5	3.1	2.9	3.7	3.3	3.1
Mz (kNm)		-0.8	-0.8	-0.7	-0.8	-0.8	-0.7

CAPACITY

SINGLE / TWIN

Payload	2680 (5.908lbs) /5150 (11353)
Lifting Speed	12/24 m/min. (40/78 fpm)
Counter Weight	Yes
Maximum Lifting Height	200 m (656')

ELECTRICAL DATA

Motor	2x5.5kw /4x5.5kw (Nord Germany)
Guctionear Box	Nord Germany
Power Supply	25/32 A
110 V / 230 V power on platform	Standard, included
Overload device	Standard, included
Automatic lubrication	Optional

DIMENSIONS & WEIGHT

Hoist Car internal width	4.34(3.04-4.65)
Hoist Car internal length	2.9 - 10.4 / 10.2 - 32.6
Length Mast section	1.508 mm (4'-11 3/8")
Weight mast section, single rack	75 kg (165lb)

HOIST CONTROLS

Inverter	15 kw / 30 kw (Mitsubishi-Japan)
Switch	Schneider (France)
PLC	Siemens (Germany)
Control Buttons	Eaton (Germany)
Panel Switchgear Group	ABB (Sweden)
Revision Control	Schneider (France)
Power cable (xmm2)	5 x 6 xmm2
Controls	Frequency control / SNL / PLC
User Interface	Joystick / touch panel
Bluetooth communication	Optional
Manual controls / erection controls	Standard, included
Drop test controls	Standard, included
Programmable landings	Optional
Hoist calling system	Optional
RX Control, internet management control	Optional

GENERAL

Finishing Cabin / Ground Enclosure	Galvanised / Powder Coated
Company Logo & Colour	Optional
Ground Enclosure	Standard, included
Cabin Doors	Special Production Aluminium
C-Door	Optional
Cable Trolley System	Standard, included
Erection Jib	Optional