



Conlog MAST

Please note that the specifications listed are an illustration from an existing mast system but any solution will be configured according to customer need.

Transport dimensions mast

Length	7,6m
Width	2,4m
Height	0,6m
Mass	2,500kg

Transport dimensions including container

Length	7,6m
Width	2,8m
Height	2,5m
Mass	10,000kg

Other information

Delivery included integration of leveling system and support legs to the shelter structure.

Unguyed	
Electrical system, main	400 VAC
Electrical system, control	24 VDC
Nominal hydraulic pressure	220 Bar

Operational dimensions from ground level

Maximum operational height excluding boom	25m
Maximum operational height including antenna	28m
Support area, four support legs	27m ²

Performance

Inclination / bend	2,5°
Rotation / twist	1,25°
Maximum wind speed, full operational capability	15m/s
Maximum wind speed, survival	25m/s
Maximum wind speed, mast fully tilted, not erected	32m/s
Maximum top load, depending configuration, maximum not calculated	up to 500kg
Wind load, antennas	3,6m ²
Temperature range	+55 to -35 deg
Max allowed terrain slope (all directions)	5°
Leveling accuracy	0,3°
Time of deployment and undeployment	10 min*
Time of leveling	5 min*
Time of unleveling	2 min*
Time of mast tilt and telescope	5 min*
Speed of deployment may be increased with higher flow rate of hydraulic pump. Given times are tested with 25l/min pump.	

*Incl. leveling



THE ENABLER OF DISPERSED OPERATIONS



Conlog's dispersed operations concept deploys a mast of up to 35m in height to transfer vital information to any C2 post, safeguarding valuable personnel and top-tier technical assets.

