

MOBILE EQUIPEMENT

MOBILE RINGS

CM 061- CM 10 - CM 20



Designed by PETITJEAN, CM 61, 10 and 20 mobile rings are manufactured to support a large number of floodlights, allowing maintenance on the ground level while guaranteeing a high level of security.

- Mobile rings suspended on 3 marine-grade stainless steel cables
- Steel Cables linked to a transition connected to 2 traction cables that are rolled on to a double drum winch
- In operational position, the system is locked to the fixed part by a latching hook mechanism (3 hooks)
- 1 to 6 flat electrical cables
- Traction equipment is housed inside the shaft
- Fixed part is covered by a round piece of aluminium
- Semi integrated winch with removable motor. One motor can be used on several masts



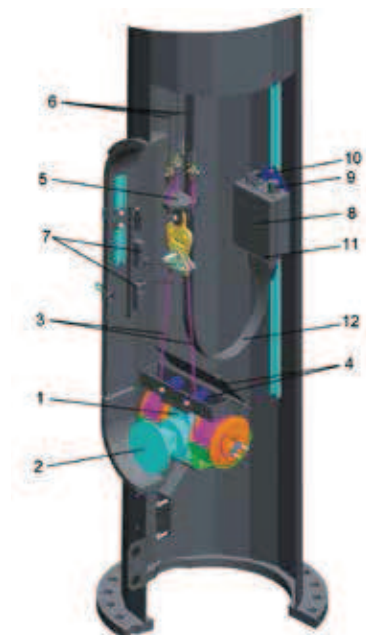
	CM061		CM10			CM20-1			CM20-2		
Mobile part dimensions (mm)	1250		1750			1900			1900-3500		
Fixed part section	50x50x3.2		55x55x5.0			70x70x5.0			70x70x5.0		
Maximum total net load (kg)	670		1400			2000			1764		
Number of electrical cables	1 to 3		1 to 6			1 to 6			1 to 6		
Type of winch	S47	S57	S57	S67	S77	S57	S67	S77	S57	S67	S77
Winch capacity (kg)	500	750	750	1200	1750	750	1200	1750	750	1200	1750
Mast maximum height (m)	30	40	40	40	50	40	40	50	40	40	50
Max Number of floodlights (*)	16		26			32					

*These values are given for information only. Values for a 2000W floodlight, 0.20m² and 15kgs (and 20kgs more for control gear boxes), sitting and hanging position, 360° lighting.

TECHNICAL DESCRIPTION

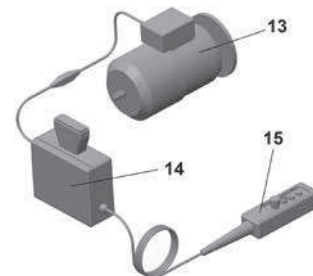
Bottom mast

- 1** Helical-worm gear unit, irreversible, waterproof, lubricated for life, with 2 output shafts for drums with their traction cables.
- 2** Adapter with coupling
- 3** 2 stainless steel (AISI 316) traction cables, with a safety coefficient of 6
- 4** Guide rollers for traction cables and protection deflector
- 5** Transition plate for traction / suspension cables
- 6** 2 stainless steel (AISI 316) suspension cables, with a safety coefficient of 6
- 7** Limit switch for locking and unlocking the mobile part
- 8** Fixed supply box
- 9** Cable gland for power cable
- 10** General switch
- 11** Socket for connection of the floodlights power cable, or for operating unit
- 12** 8 or 12 wires cable



Operating unit

- 13** Operating unit
- 14** Ac motor with disc brake
- 15** Operating unit to be fixed directly on fixed supply box (8), instead of electrical cable, with load limiter and phases controller
Remote control switch (with 5m cable)



Head mast

- 1** Mobile ring
- 2** Latching hooks
- 3** Guide rollers
- 4** Guiding rings
- 5** Arms for floodlights and ballasts fixation
- 6** Connecting box
- 7** Fixed part with polyamide pulley on ball bearing for suspension cables, and aluminium rollers for electrical cables

