

MOVECAT PLUSlite 1000-4 (DC and RC model)

Chain hoist compliant with igvw SQ P2 D8 Plus/DIN 56950:2012-05

The PLUSlite 1000-4 satisfies the wish of many users for a single chain fall D8 Plus rigging hoist with a lifting capacity of 1000 kg at 4 m/min.

The Movecat PLUS 1000-4 is based on DIN 56950-1:2012-5 and satisfies the BG requirements in full. The mechanism is designed for twice the nominal load and the load chain exhibits dynamic and static safety factors of 8:1 and 10:1 respectively.

With its compact aluminium housing, 9 x 27 load chain, two robust handles and total weight of 115 kg with a hoisting height of 18 m, it is suitable for day-to-day touring and rental applications. The Basicplate chain guide ensures reliable chain transmission and reduces the risk of the chain jamming. The hoist can be used in climbing or standard installation positions without conversion. Above all when used as a climbing hoist in combi-

nation with Movecat cases, which were developed in close cooperation with users, ideal road operation is guaranteed, as the chain-hoist can climb and retract independently drawing its power from the case.

PLUSlite 1000-4 chain hoists in accordance with igvw SQ P2 D8 Plus/DIN 56950-1:2012-5 allow setting-up, dismantling and installation operations without the 'secondary' safety component required for D8 applications.

The PLUSlite 1000-4 hoists are supplied as standard with hoisting capacities of 18 or 24 metres, a single-hole suspension eyelet, two robust handles, a permanently installed textile chain bag, screwed cable glands with 360° anti-kink protection, DC versions with an HO7RN-F connector cable with a black CEE 4-pin plug and RC versions with a black CEE 4-pin

plug for power and a yellow CEE 4-pin plug for remote control. The PLUSlite 1000-4 is available in both DC (direct control 400 V AC) and RC (remote control/low-voltage 24 V DC) versions and is CE-compliant, tested, and ready for operation at the time of delivery.

The chain hoist is designed for operation with Movecat phase-changing controllers in accordance with DIN 60204-32 and EN 13849-1 and when used accordingly is certified as CE compliant provided the instructions set out in the user manual are adhered to.

A UVV specialist factory inspection prior to first use for mobile applications as well as the VDE 0701/0702 first inspection are also included.

The PLUSlite 1000-4 chain hoist is recommended for day-to-day rigging use when



building up and dismantling stage, concert and studio sets in the touring business as well as in the theatrical, studio, multifunction hall and trade fair sectors.

Basic configuration:

- 18/24 m hoisting height
- Direct control 400 V AC or remote control 24 V DC
- DC brakes (2)
- Overload protection by means of pat. friction clutch
- permanent form closure in the load line
- High-quality, specially hardened transmission
- Precision-milled, specially hardened chain-bag wheel with at least 5 bags
- Highly robust round steel link chain acc. DIN 5684
- Basicplate chain guide
- Single eyelet alternatively motor hook
- rotating chain hook
- Permanently installed, fold-away textile chain bag
- Robust, light alloy cast housing closed on all sides with two handles
- Black, low-reflective finish RAL 9005
- Compact, light construction
- smooth, quiet operation
- use in climbing or standard positions without conversion
- 1 m HO7RN-F connector cable with CEE 16 A 4-pin plug (black) DC model
1 m HO7RN-F with CEE 16 A 4-pin (black - power) and CEE 16 A 4-pin (yellow - remote control) RC model

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Technical data:

Model	PLUSlite (2012)
Type	1000-4 (DIN 56950-1: 2012-05)
Safe working load	1,000 kg
Hoisting speed	4 m / min
Hoisting height	18 m / 24 m (others on enquiry)
Chain falls	1
Power supply	400 V / 3 PH / 50 Hz
Motor power	2.2 kW
Duty cycle	25 %
Mechanism group	(ISO/FEM) 1BM/M3
Load chain	EN 818-7 DAT 9 x 27 mm
Independent DC brakes	2
Protection rating	IP 54
Dimensions (HE version L x W x H) without chain hook and chain container	506 x 435 x 531 mm
Weight (incl. 18 m chain)	115 kg
Weight (incl. 24 m chain)	135 kg

Options / Accessories:

Suspension	motor hook, optional swivel adapter with ring eyelet, hook block for dual-chain fall operation
Hoisting	height up to max. 60 m (1 chainfall)
Internal control	x ² kit for the internal evaluation of a 2-track geared limit switch in DC operation
connector cable	multicore cable with 6-pin multipin connector – RC models
Limit switching	geared limit switch for RC and DC* ¹ incremental encoder* ² absolute encoder* ²
Load-sensing	dynamic LME/LMS system * ² (strain-gauge principle) (* ¹ with x ² kit or I-controller, * ² with I-controller and additional equipment)
Running gear	hand and electric
Controllers (DC)	MPC ID8, ED8, LD8, TD8 series and MRC PD8 DC series
Controllers (RC)	MPC ID8, ED8, LD8 RC series
Miscellaneous	transport case, rain cover