

MTS HOIST-SYSTEM

Media Technical System

by **MovieTech**

... premium lighting suspension!

MTS - Motorized Self-Climbing Hoist SC 1000 B

SC 1000 B

**SPECIAL
VERSION**

fully compliant with the strictest safety
regulations DIN 56950-2 and DGUV V17

quick and easy maintenance on
the studio floor

stop guaranteed by statically and dynamically
self-locking transmission in accordance to
DIN 56950-2

10m travel

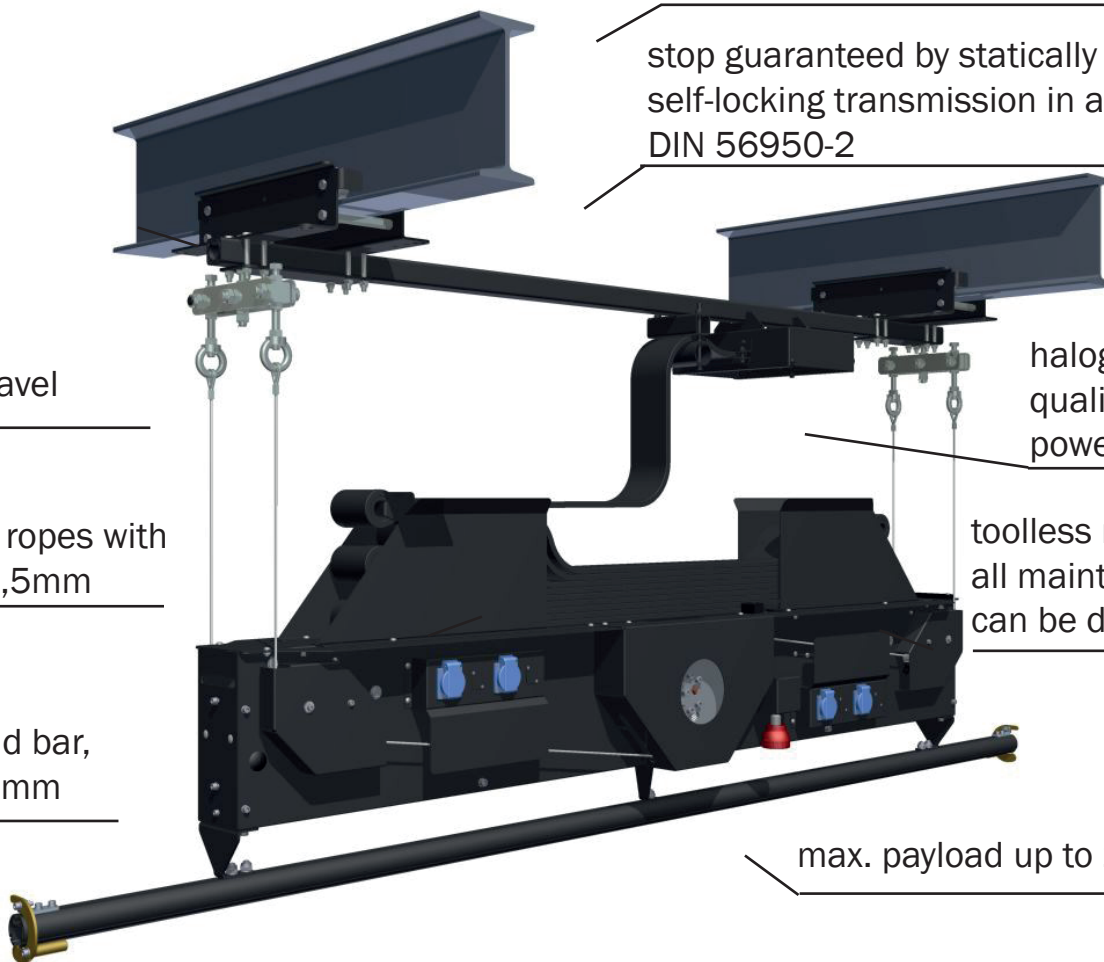
4 steel ropes with
Ø ca. 4,5mm

4 m load bar,
Ø 48,3 mm

halogen-free, top
quality cables for
power and data

toolless maintenance;
all maintenance points
can be directly viewed

max. payload up to 200 kg



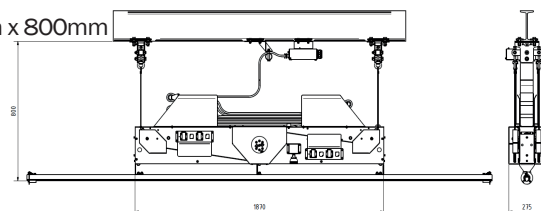
MTS - Motorized Self-Climbing Hoist SC 1000 B

SC 1000 B

SPECIAL VERSION

GENERAL

Modular steel housing with black powder coating, non-corrosive
Load bar: length 4m, d=48,3mm pipe
Max. body dimensions (length x width x closed height): 1870mm x 275mm x 800mm
Max. travel 10m
Self weight: 125kg
Lifting speed: 150mm/s or 9m/min with soft-start/-stop
Overall hoist protection category: IP42
Net load capacity 170 kg (SWL) + 20% tolerance = 204kg max. payload

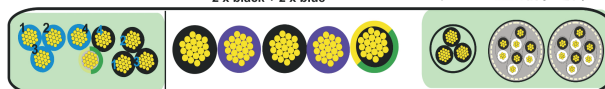


ELECTRIC

Motor (incorporated): 3x400V AC, 50Hz, 12 kg, 1,5kW, 300 Nm, protected against thermal overload and IP 54
Power and data circuit: 2 x 16A 2P+T Schuko socket with protective cap, RJ45 - exemplary; cable will be equipped as required
Halogen-free and UVC resistant fl at cable with tidy stacking system during lifting/lowering (auto-folding)
Closed electrical motor control unit located on top with DIN rail-mounted terminal blocks for lighting circuits, motor supply and control signals as well as ethernet and others
Upper attachment: closed steel profile with IPE adapter or trolley
Backlit numbers for easier detection of selected devices

Flat cable composition (halogen-free):

9 x 2,5mm² 4 x blue + 4 x black + 1 x gnd
5 x 4mm² 1 x gnd + 2 x black + 2 x blue
3x1mm² oder 3x1,5mm²
Cat 6-7 Stranded Shielded 4x2x AWG +24 ?



SAFETY

Overload- and slack rope detection on each cable
Supporting cables: 4 steel cables, each Ø ca. 4.5mm, safety factor ca. 22
4 x end limit switches (two up and two down) with precise fine adjustment
Statically and dynamically self-locking (irreversible) gearbox
($\eta = 35\%$ and therefore $< 50\%$; plus helix angle worm wheel gear $2^\circ 47'$) -> no extra brake needed (according DIN 56950-2)
Bell switch (electric) plus external tool (hand crank) to mechanically move the hoist up and down in case of emergency
Permanent lubrication for maintainance free engine/gear unit
Safety standards: complying with the latest European Norms for machinery in studios.
DGUV Vorschrift 17 (former BGV C1/ VBG 70) and DIN 56950-2 (former DIN 15560).
Electric safety norm CE EC 2006-42.



VERSION



MAX. PAYLOAD



AV. LIFTING SPEED



MOTOR UNIT



SAFETY STANDARDS

SC 1000 B - 10m
Special Version

170 kg + 20%
= 204 kg

9m/min
(adjustable if required)

FramoMorat MR30
1,5kW, 300Nm, statically and dynamically self locking

DIN 56950-2
CE EC 2006-42
DGUV V17



MTS – Media Technical System

We – **MTS Media Technical System** – have now more than 25 years of experience in designing and manufacturing **premium quality lighting suspension** for stage and studio. Since 2006 we are part of the **MovieTech AG**.

Our goal is to manufacture every single product with the **highest possible quality** and to **over-fulfill our customer's expectations**. We are proud to call many of the major broadcasting companies all around the globe our customer-base.

We produce all our products order-related in our **optimized production facility** and thus meet the specific requirements of every individual project. In combination with their reliability our products **simplify the daily work** on stage and in the studio.