

7.6 SM15 STEEL SECTION MANIPULATOR



The SM15-01 is purpose designed for the handling, erection and installation of steel masts for track electrification.

Combining a scissor grab with hydraulically telescoping legs, the load is gripped on all four faces using soft urethane pads preventing damage to galvanised surfaces.

High grip force ensures safe handling and a roto-tilt adapter head allows precise positioning for accurate placement onto bolted flanges, tube piles, etc.

A unique pendulum valve which can only be overridden by the banksman from outside the cab ensures safety.



FEATURES

- Powered rotation in all directions
- Dual man pendulum safety release
- Soft contact pads
- High grip force
- High torque worm rotator
- Dual cylinder tilt function
- Check valves on all grip cylinders
- Single man operation in horizontal position for easy mast selection
- Full Factory Parts Backup
- CE Marked
- LOLER certificate supplied

A FAST, SAFE AND EASY WAY TO
INSTALL STEEL MASTS ONTO PILES AND
BOLTED BASES

SPECIFICATIONS

Weight (typical)	1,400 kg
WLL (Safe Working Load)	3,750 kg
Min. Load Section	200mm x 200mm
Max. Load Section	650mm x 650mm
Head Tilt	+/- 30 degrees
Application:	Square, Rectangular I-Beam & Fabricated Sections

<i>Rotator Circuit</i>	
Max. Hyd. Pressure	120 Bar
Min. Hyd. Pressure	90 Bar
<i>Grab Circuit</i>	
Max. Hyd. Pressure	210 Bar
Min. Hyd. Pressure	110 Bar
<i>Tilt Circuit</i>	
Max. Hyd. Pressure	210 Bar
Min. Hyd. Pressure	90 Bar

Body Colour	08E51 Yellow
Moving Parts	Signal Red

DOCUMENTATION

- Operator's Manual
- Parts Manual
- Maintenance Plan
- Factory Test Certificate
- LOLER Certificate



BENEFITS

- Higher output
- Improved Safety
- Precision Installation
- Dual-Man load release



OPTIONS AND ORDERING INFORMATION

The SM15 Steel Section Manipulator is available in three configurations.

- A hydraulic rotator and 60 degree tilt head.
- A hydraulic rotator and 30 degree tilt head.
- A fixed head configuration for use with tilt rotators.
- A transport / storage stillage is also available for this product.



Example: SM15-01-02 Steel Section Manipulator with 60° Tilt Head and Transport / Storage Stillage

PRODUCT ACCEPTANCE

Product Acceptance has been applied for and is currently operating under trial Certificate number PA05/06553

MODEL NUMBERS FOR ORDERING

When ordering this product please use the ordering code below to specify the correct options

SM15-□□-□□

Manipulator Type	Code
<i>With Rotator and 60° Tilt Head</i>	01
<i>With Rotator and 30° Tilt Head</i>	02
<i>With Fixed Adapter Head</i>	03

Stillage	Code
<i>No Stillage</i>	01
<i>With Stillage</i>	02

NOTE

When ordering this product we will need to know the adapter head dimensions for a Type 04 Adapter Head (See Section 10)