

Manipulator Ergonomix M4000

DEMMELE Maschinenbau – Germany



Article No.: M04-04000-000

Weight: 3,843.76 kg

Hydraulic welding manipulator with complete integrated hydraulic system. Maximum work area with minimised footprint and a patented tilt angle of 180°.

LOAD AND MOVEMENT

- Bearing load without worktop: 4,000 kg
- Torque MD: 5,000 Nm
- Tilting torque: 32,000 Nm
- Patented tilt angle: 180°
- Rotation speed: approx. 0.2 – 1.4 U/min

INTERFERENCE AREA

- Max. interference area ø: 1,500 mm (tilting axis at 180°)
- Max. height interference area: 500 mm (tilting axis at 180°)

WORKING HEIGHTS

- Min. height: approx. 700 mm (tilting axis at 0° / horizontal)
- Max. height: approx. 1,800 mm (tilting axis at 0° / horizontal)
- Min. height: approx. 560 mm (tilting axis at 90° / vertical)
- Max. height: approx. 1,650 mm (tilting axis at 90° / vertical)

ELECTRICAL DATA

- Operating voltage: 400 V
- Control voltage: 24 V DC
- Power supply: 3 x 400 V / N / PE
- Frequency: 50 Hz
- Fuse: max. 16 A

EQUIPMENT AND OPERATION

- Complete integrated hydraulic system
- Maximum work area with minimised footprint
- Unique swivel range up to 180°
- Stepless revolution control of the rotary axis via a potentiometer installed at the pendant
- Digital display allowing repeatable adjustment of the revolution speed
- Pendant control panel on a stand, cable length 5 m
- Foot pedal, cable length 5 m
- Connection via connection line H05RR-F 5 x 2.5 mm² (cable length 5 m)

Please note: the table top is selected separately from the manufacturer's extensive range and is not included in the scope of delivery of the basic device. The customer is responsible for the correct attachment of the manipulator to the floor.