



## Robot QRH 390 mechanics

The robot mechanics QRH360/390 is a six-axis articulated arm robot. The robot is usually positioned upright or overhead. The QRH360/390 is mounted on a base or directly at a robot positioner. The QRH robot has hollow-shaft wrist where the welding torch and the torch cable assembly are integrated in the centre point of axis 6.

Applications:- MIG/MAG Welding

## Technical Data

Swivelling range axis 1	+170° / -170°
Swivelling range axis 2	+135° / -90°
Swivelling range axis 3	+80 / -210°
Swivelling range axis 4	+179° / -179°
Swivelling range axis 5	+125° / -125°
Swivelling range axis 6	+270° / -270°
Swivelling speed axis 1	184
Swivelling speed axis 2	184
Swivelling speed axis 3	177
Swivelling speed axis 4	497
Swivelling speed axis 5	542
Swivelling speed axis 6	528
Operating range	Ø 4900 mm
Operating range Axis 5 +90°	Ø 3900 mm
Operating range height	2860
Pay load	10,00
Repeatability	s +/- 0,1 mm
Collision radius	500
Floor space	Ø 500 mm
Weight	240

# Features

## Technical features

- Less wear and improved, more user-friendly operation via optimised cables, plugs and motor protection
- Higher dynamics and weight reduction due to a leaner product design with rounded ergonomic forms
- Highest flexibility in the equipment by modular design of the robot mechanics
- Best processing quality due to a high repeatability
- High offset speeds reduce the cycle times
- Digital AC drives
- For floor or overhead mounting
- Absolute path measuring system

# Options

## Available options

- Cable assemblies integrated in 6th axis
- Colour freely selectable
- Wire drive unit integrated in the robot arm
- Calibrated mechanics
- Accessories