

MOTOMAN MS100 II

Spot Welding with the MS-series

The 6-axis MOTOMAN MS100 II is a versatile robot offering superior performance in spot welding applications.

Despite its wide motion range this robot requires minimal footprint and its streamlined design enables a high payload of 100 kg. In

addition the MOTOMAN MS100 II is optional available with external cables for flexible mounting of small and middle-sized spot welding guns, with only little limiting its motion range. Installing a compact spot welding gun and routing cables close to the robots arm allow placing the robot nearby the work piece. So the MOTOMAN MS100 II is able to work perfectly together with other robots in confined spaces.

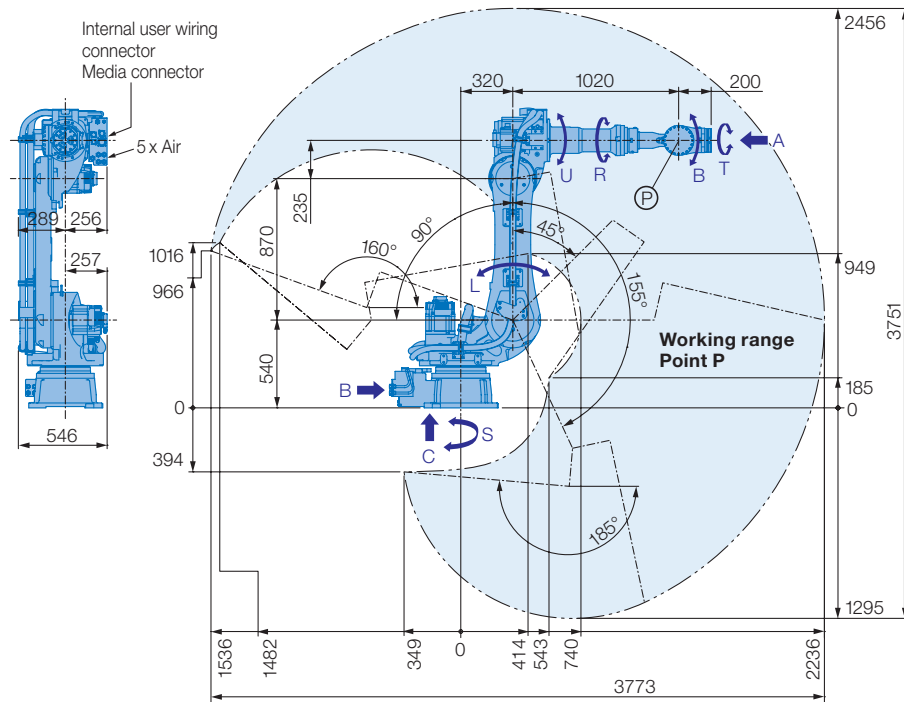
The MOTOMAN MS100 II is available with the optional Catetogry 3 Functional Safety Unit (FSU), which allows an establishment of 32 safety units and up to 16 tools.



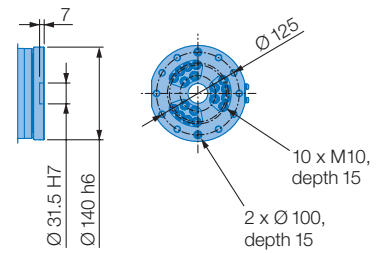
KEY BENEFITS

- Wide motion range: 2236 mm
- High payload: 100 kg
- Maximum performance using minimal floor space
- Optional with media hose package for mounting spot welding guns
- Enhanced safety funtions (optional)

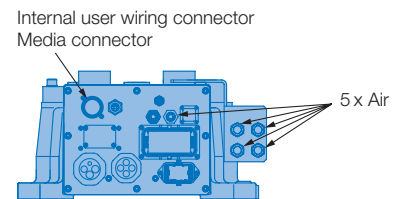
MOTOMAN MS100 II



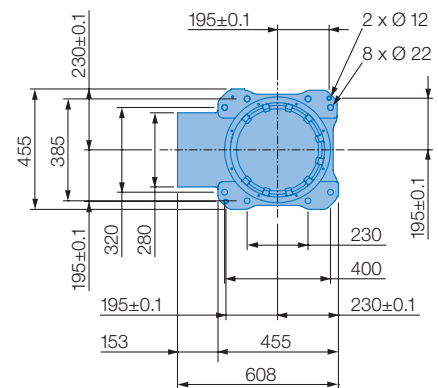
View A



View B



View C

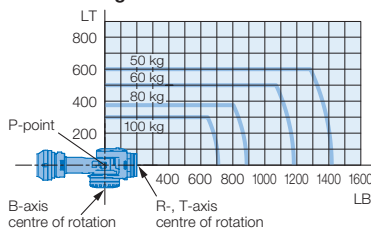


Mounting option: Floor
Protection class: IP54/67

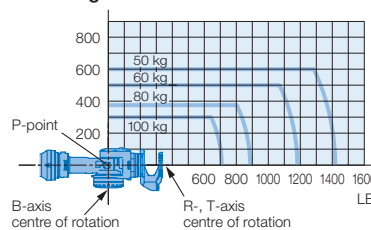
All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed YR-MS100 II-A00, F-04-2016, A-No. 167093

Allowable wrist load

without flange



with flange



Specifications MS100 II

* Recommended values

Axes	Maximum motion range [°]		Maximum speed [°/sec.]		Allowable moment [Nm]		Allowable moment of inertia [kg · m ²]		Flange	
	without	with*	without	with	without	with	without	with	without	with
Flange										
S	± 180		140		—		—		Controlled axes	6
L	+ 155/−90		110		—		—		Max. payload [kg]	110 100
U	+ 160/−185		130		—		—		Repeat. pos. accuracy [mm]	±0.07
R	±360 ±205		175		721 696		60 58		Max. working range R [mm]	2236
B	± 125 ± 120		175		721 696		60 58		Temperature [°C]	0 to +45
T	±360 ± 180		255		294		33.7 33		Humidity [%]	20 – 80
									Weight [kg]	625
									Power supply, average [KVA]	5.0

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