Spot welding, general purpose and handling with the ES-series

The MOTOMAN-ES165D is a versatile, high-speed 6-axis robot offering superior performance in material handling, machine tending and press tending.

The ES165D offers a large work envelope of 2,651 mm and a high moment of inertia ratings. Fast axial speeds and acceleration reduce cycle times and increase production output. The compact, slim design allows the robot to reach into confined spaces, improving system productivity.





Key benefits

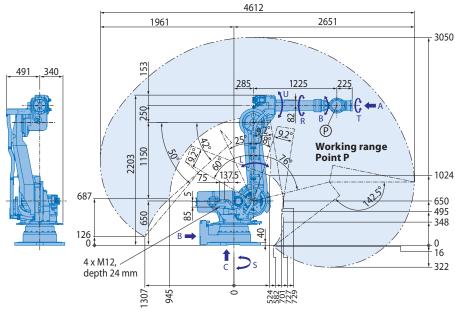
- Fast, flexible and powerful
- Compact design allows maximum performance using minimal floor space
- Max. payload 165 kg
- Max. working range of 2,651 mm
- Increased durability of hose package by internal cabel wiring through the robot's upper arm

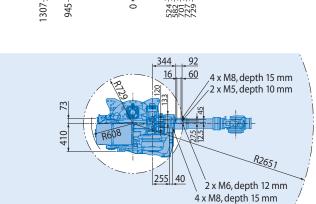
MOTOMAN-ES165D

Spot welding, general purpose and handling

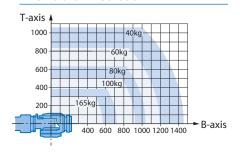


MOTOMAN-ES165D Technical Data

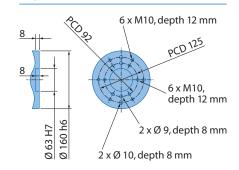




Allowable wrist load



View A

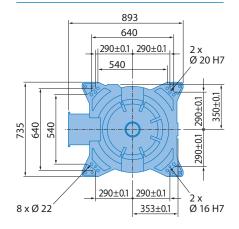


View B

Internal user wiring connector
Matching connector

Air exhaust

View C



Mounting option: Floor

All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at info@motoman.de – ES165D, A-09-2009

Specifications ES165D

-							
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg x m ²]	Controlled axes Max. payload [kg]	6 165	
S	±180	110	-	-	Repet. pos. accuracy [mm]	±0.2	
L	+76/-60	110	-	-	Max. working range [mm]	R = 2651	
U	+230/-142.5	110	-	-	Temperature [°C]	0 to +45	
R	±360	175	921	85	Humidity [%]	20 – 80	
В	±130	150	921	85	Weight [kg]	1100	
Т	±360	240	490	45	Power supply, average [KVA]	5	



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