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

The MOTOMAN-ES280D is a versatile, high-speed 6-axis robot offering superior performance in material handling, machine tending and press tending.

The ES280D offers a large work envelope of 2,446 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

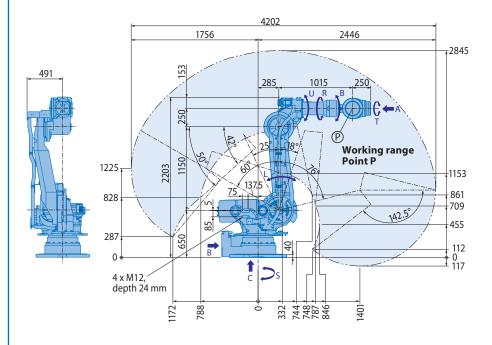
- Fast, flexible and powerful
- Compact design allows maximum performance using minimal floor space
- Max. payload of 280 kg
- Max. working range of 2,446 mm
- Increased durability of hose package by internal cabel wiring through the robot's upper arm

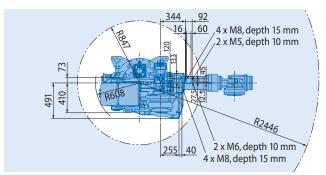
MOTOMAN-ES280D

Spot welding, general purpose and handling

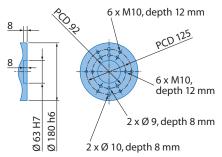


MOTOMAN-ES280D Technical Data





View A

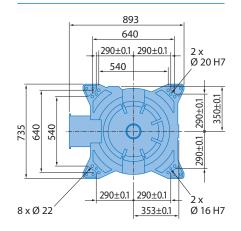


View B

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 – ES280D, A-08-2009

Specifications ES280D

-						
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg x m ²]	Controlled axes Max. payload [kg]	6 280
S	±180	90	-	-	Repet. pos. accuracy [mm]	±0.02
L	+76/-60	80	-	-	Max. working range [mm]	R = 2446
U	+230/-142.5	90	-	-	Temperature [°C]	0 to +45
R	±360	115	1333	142	Humidity [%]	20 – 80
В	±125	110	1333	142	Weight [kg]	1120
Т	±360	190	706	79	Power supply, average [KVA]	10



Headquarters

Kammerfeldstraße 1 D-85391 Allershausen Fon 0049-81 66-90-0 Fax 0049-81 66-90-103 info@motoman.de www.motoman.eu Training centre and sales office Frankfurt

Hauptstraße 185 D-65760 Eschborn Fon 0049-61 96-777 25-0 Fax 0049-61 96-777 25-39 info@motoman.de www.motoman.eu