

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.



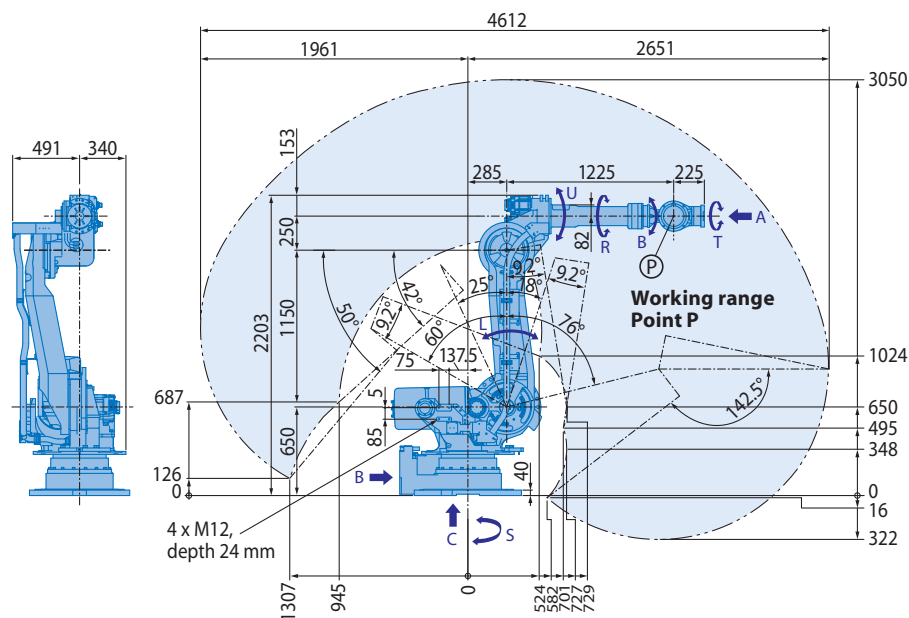
**NEW GENERATION!
DX100**

Key benefits

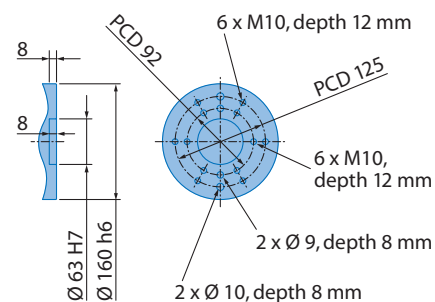
- Fast, flexible and powerful
- Compact design allows maximum performance using minimal floor space
- Max. payload 165 kg
- Max. working range of 2,651 mm
- Increased durability of hose package by internal cable wiring through the robot's upper arm

MOTOMAN-ES165D

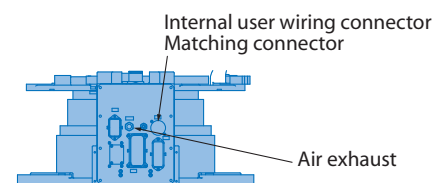
Spot welding, general purpose and handling



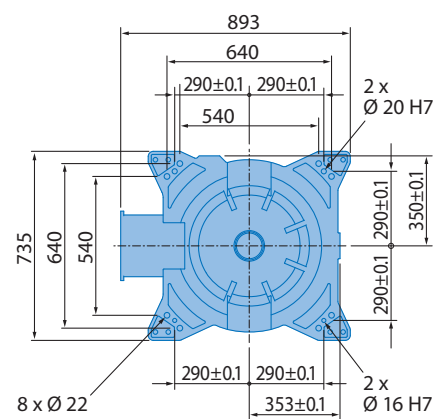
View A



View B

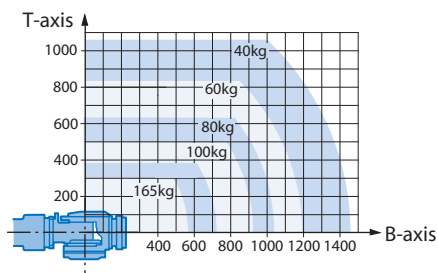


View C



Mounting option: Floor

Allowable wrist load



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 m²]	Controlled axes	6
S	±180	110	–	–	Max. payload [kg]	165
L	+76/-60	110	–	–	Repet. pos. accuracy [mm]	±0.2
U	+230/-142.5	110	–	–	Max. working range [mm]	R = 2651
R	±360	175	921	85	Temperature [°C]	0 to +45
B	±130	150	921	85	Humidity [%]	20 – 80
T	±360	240	490	45	Weight [kg]	1100
					Power supply, average [KVA]	5