

BRTIRUS2520B – Heavy-duty 200 kg robot



Borunte BRTIRUS2520B – 6-axis robot, 2 570 mm arm length, 200 kg payload

Product description

The BRTIRUS2520B is a 6-axis robot designed for monotonous, repetitive, long-duration industrial tasks and for work in hazardous conditions. It has an arm length of 2 570 mm and a maximum payload of 200 kg – the highest-payload model in the portfolio.

It has six degrees of freedom and efficiently handles loading and unloading, material handling, palletising and similar heavy-duty tasks. With an IP40 protection rating and ± 0.2 mm repeat positioning accuracy, it also performs fine, precision work.

Typical applications

- Heavy material handling – industrial parts, tanks and castings of 100–200 kg
- Palletising and loading – heavy-industry logistics applications
- Foundry and forging environments – handling hazardous, hot, heavy pieces
- High-volume heavy-industry automation where eliminating physical strain is critical

Technical specifications

Parameter	Value
Total arm length	2 570 mm
J1 (axis 1–2)	559 mm
J3 (axis 2–3)	800 mm / -85° / +35°
J4 (axis 3–4)	320 mm / -80° / +105°
J5 (axis 3–5)	1 148,5 mm / ±180°
J2 / J6 range	±160° / ±95°
Maximum payload	200 kg
Repeat positioning accuracy	±0,2 mm
J1 max. speed	63°/s
J6 max. speed	133°/s
Power	9,58 kVA
Protection rating	IP40
Weight	~1 106 kg

Table 8 – BRTIRUS2520B technical specifications

