

DINGLI

Exceed · New Height



DH0825ERT

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Robot Body Parameter

Model	SR50-2180
Degrees of Freedom	6
Wrist Load	50kg - 110lb
Max. Working Radius	2180.5mm - 7ft 2in
Body Weight	560kg - 1235lb
Repeat Positioning Accuracy	±0.1mm
Noise Level	< 80dB(A)
Operating Temperature	0°C~+55°C
Humidity	Below 75% RH(Short-term 75%RH)
Body Protection	IP40(Wrist IP65)

Robot Joint Angle/Speed

J1	±160° / 140°/S
J2	+160°~-60° / 120°/S
J3	+75°~195° / 120°/S
J4	±185° / 220°/S
J5	±120° / 220°/S
J6	±360° / 320°/S

Free Stop Time/Free Stop Distance

J1	0.42S / 26°
J2	0.65S / 33°
J3	0.25S / 20°
J4	0.29S / 26°
J5	0.29S / 26°
J6	0.19S / 19°

3D Camera

Power	24VDC
Optimal Working Distance	1900±700mm
Max. Working Distance	2600mm
Repeat Accuracy	±2@1900mm
Waterproof Rating	IP65

Standardized Parameters

Max. Horizontal Drilling Height	7.20m - 23ft 7in
Max. Vertical Upward Drilling Height	8.00m - 26ft 3in
Min. Horizontal Drilling Height	2.00m - 6ft 7in
Min. Vertical Downward Drilling Height	0.80m - 2ft 7in
Overall Width(Stowed)	2.50m - 8ft 2in
Overall Height(Stowed)	2.65m - 8ft 8in
Overall Length(Stowed)	5.58m - 18ft 4in
Tailswing	0
Main Boom Maximum Angle	75°
Ground Clearance	0.41m - 1ft 4in
Wheelbase	2.80m - 9ft 2in
Tyres	385/45-28
Travel Speed(Stowed)	≥6.0km/h - 3.73mph
Travel Speed(Raised)	≥1.1km/h - 0.68mph

Punching Impact Drill

Branding	BOSCH
Model	GBH12-52D/GBH12-52DV
Type	Five-pit Electric Hammer
Rated Input Power	1700W
Rated Voltage	220VAC
Single Hammer Force	19J
Rated Speed	220rpm
Max. Hole Diameter	52mm - 2in
No-Load Speed	0~220rpm
Application Range	Concrete

Punching Parameters

Drilling Positioning Mode	Center Mode/Marker Mode
Number of Holes	Single Point Punching/Batch Group Punching
Drilling Stroke/Drilling Speed	300mm / 1-5mm/s 1ft / 0.04in-0.20in/s
Drilling Stroke Repeatability	±2mm - ±0.08in
Max. Drilling Space Diameter	2000mm - 6ft 7in
Vertical Incline Angle of Drilling Space	-90°~+90°
Drilling Space Repeatability	±0.2mm - ±0.01in
Power	< 4kW
Max. Static Load	< 300kg

Power System

Weight	180kg - 3971lb
Protection Rating	IP54
Rated Input Power	Three-phase Five-wire 380VAC
Power Capacity	8kVA
Rated Current	12A
Ambient Temperature	0°C~+40
Operating Humidity	45~80%RH
Control Circuit	24VDC
Industrial PC Power	12V
Display Power	24V

Gradeability	30%
Maxi. Chassis Angle	X-5°/Y-5°
Turret Rotation	360° Continuous
Max. Wind Speed	12.5m/s - 41ft/s
Turning Radius(Inside/Outside)	1.87m/3.22m - 6ft 2in/10ft 7in
Battery	520Ah/80V
Charger	90-264VAC/6.6kW
Driving Motor	18kW/3243rpm
Lifting Motor	24kW/2150rpm
Inverter	GPLS1580i-PY-01
Remote Control	autec: DJM-CRD-DL
Remote Receiver	autec: DJM-CRD-DL
Hydraulic Tank	165L - 43gal
Overall Weight	10500kg - 23148lb