

MOTOMAN SIA

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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MOTOMAN SIA-series

Flexible Applications with the SIA-series



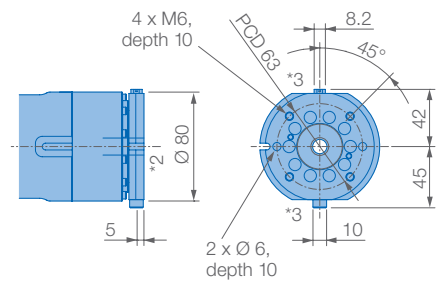
The SIA-series are small and agile 7-axis robots providing „human-like“ flexibility of movement and fast acceleration. They distinguish themselves through slim and lightweight design. They offer high payload and big working ranges. These agile and versatile robots open up a wide range of industrial applications: ideal for assembly, injection moulding, inspection, machine tending and a host of other operations.

This robots are driven by the compact MOTOMAN FS100 controller.

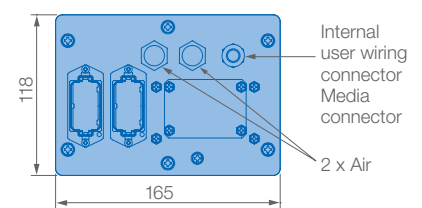
KEY BENEFITS

- 7 axes
- Flexible applications
- Compact design allows maximum performance

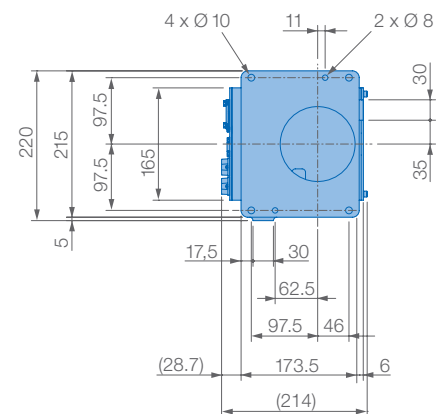
Controlled by
FS100

[View A](#)

View B

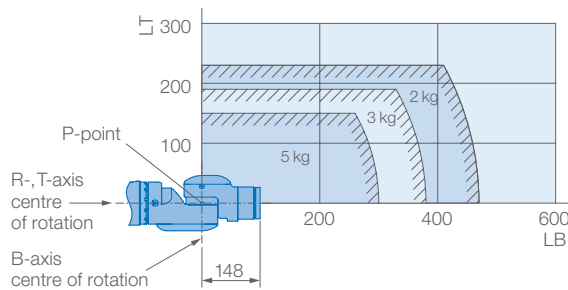


View C

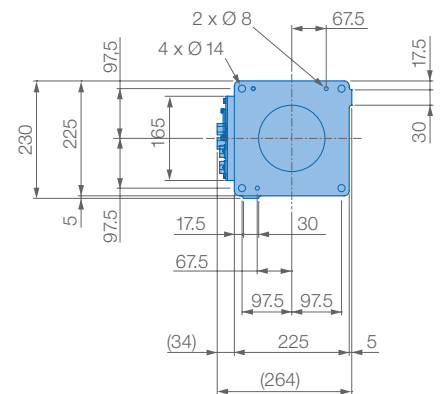
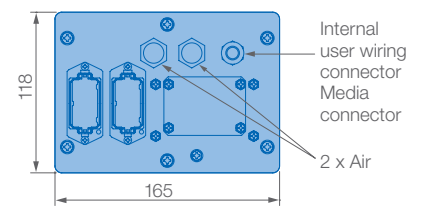
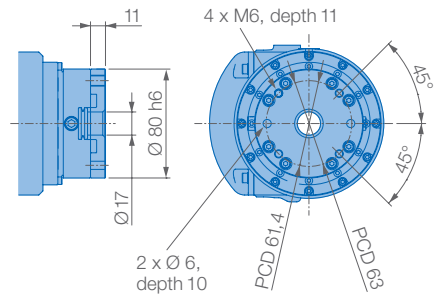
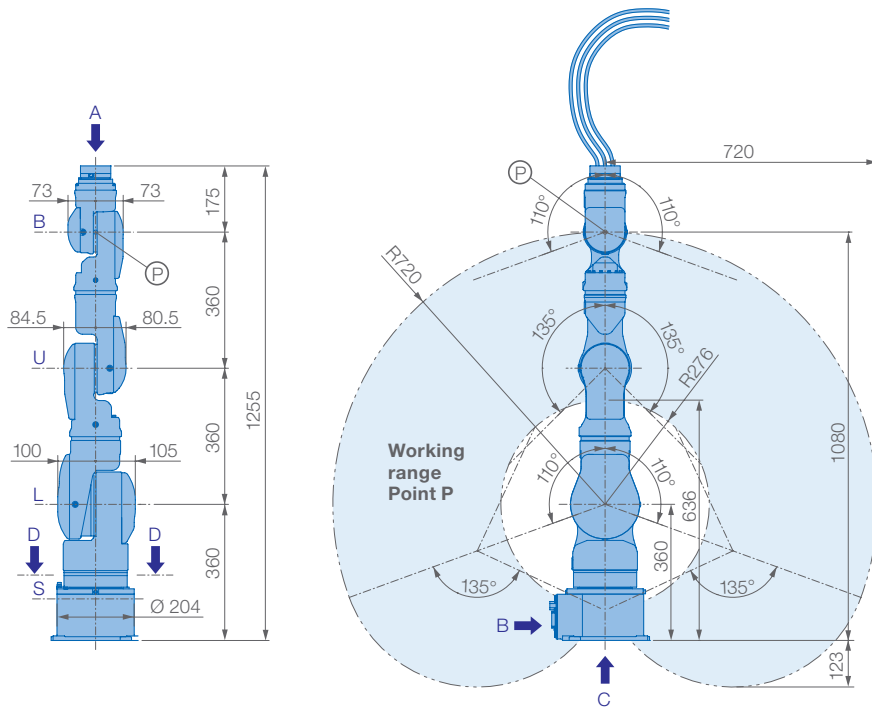


Mounting options: Floor, ceiling, wall

Allowable wrist load

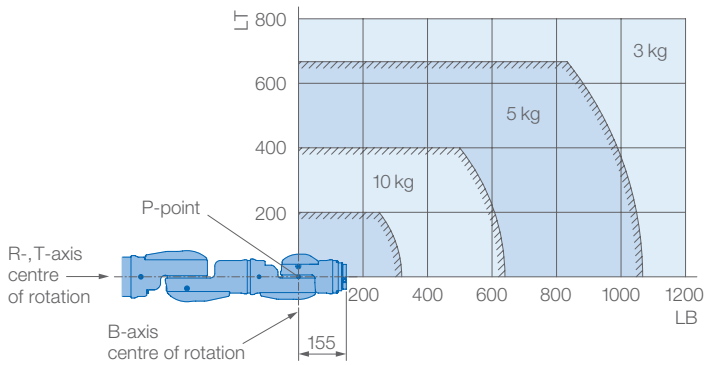


Specifications SIA5F						
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]		
					Controlled axes	7
S	±180	200	–	–	Max. payload [kg]	5
L	±110	200	–	–	Repeatability [mm]	±0,06
Θ	±170	200	–	–	Max. working range R [mm]	559
U	+90/–115	200	–	–	Temperature [°C]	0 bis +40
R	±180	200	14,7	0,45	Humidity [%]	20 – 80
B	±110	230	14,7	0,45	Weight [kg]	30
T	±180	350	7,35	0,11	Power supply, average [KVA]	1,0

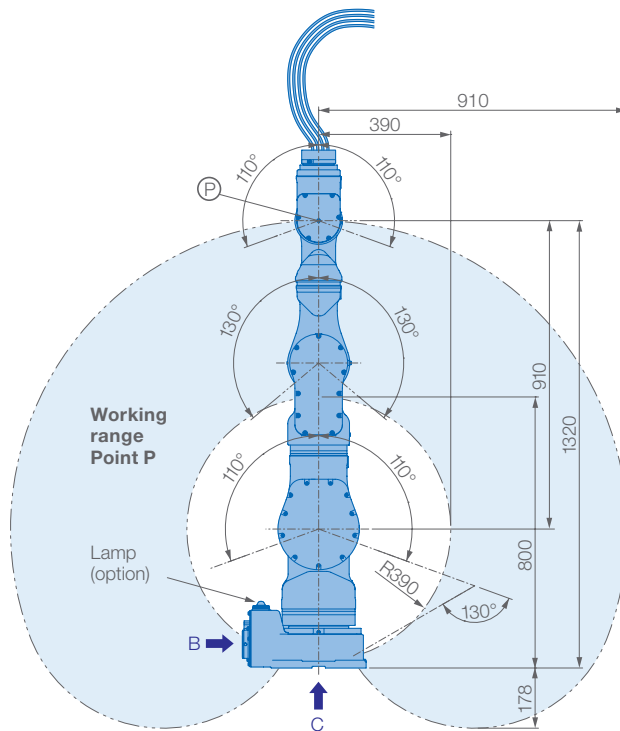


Mounting options: Floor, ceiling, wall

Allowable wrist load



Specifications SIA10F						
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]		
					Controlled axes	7
S	±180	170	–	–	Max. payload [kg]	10
L	±110	170	–	–	Repeatability [mm]	±0,06
Θ	±170	170	–	–	Max. working range R [mm]	720
U	±135	170	–	–	Temperature [°C]	0 bis +40
R	±180	200	31,4	1,0	Humidity [%]	20 – 80
B	±110	200	31,4	1,0	Weight [kg]	60
T	±180	400	19,6	0,4	Power supply, average [KVA]	1,0

[illegible]

165

268

2 x Air

Internal user wiring connector

Media connector

Technical drawing of a square plate with the following dimensions and specifications:

- Overall width: 340
- Overall height: 280
- Inner square width: 280
- Inner square height: 240
- Distance from top edge to top of inner square: 50
- Distance from left edge to left of inner square: 65
- Distance from center to hole center (horizontal): 120
- Distance from center to hole center (vertical): 90
- Distance from bottom edge to bottom of inner square: 30
- Distance from right edge to right of inner square: 60
- Distance from left edge to left of inner square: 60
- Distance from top edge to top of inner square: 130
- Distance from bottom edge to bottom of inner square: 143
- Distance from center to hole center (diagonal): 143
- Hole specifications: 2 x $\varnothing 8$ and 4 x $\varnothing 14$

Mounting options: Floor, ceiling, wall

Specifications SIA20F						
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]		
					Controlled axes	7
S	±180	130	–	–	Max. payload [kg]	20
L	±110	130	–	–	Repeatability [mm]	±0,1
Θ	±170	170	–	–	Max. working range R [mm]	910
U	±130	170	–	–	Temperature [°C]	0 bis +40
R	±180	200	58,8	4,0	Humidity [%]	20 – 80
B	±110	200	58,8	4,0	Weight [kg]	120
T	±180	400	29,4	2,0	Power supply, average [KVA]	2,2



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