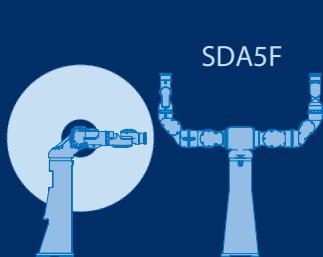


The SDA-series are slim and agile 15-axis dual-arm robots providing „human-like“ flexibility of movement and fast acceleration. They distinguish themselves through slim and lightweight design. Superior dexterity and best-in-class wrist characteristics make slim, dual-arm robots ideally suited for assembly, part transfer, machine tending, packaging and other handling tasks, that formerly could only be done by people. These all-round robots can be driven by the high performance DX100 controller as well as the FS100 compact controller.

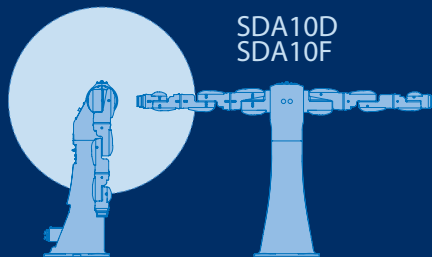


- 15 axes
- Flexible applications
- Compact design allows maximum performance

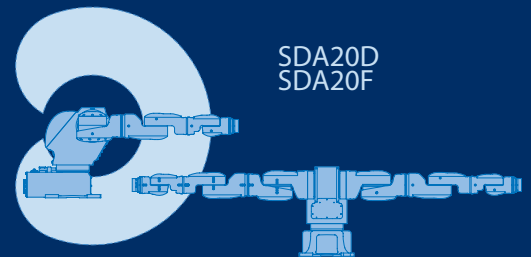
MOTOMAN SDA-series



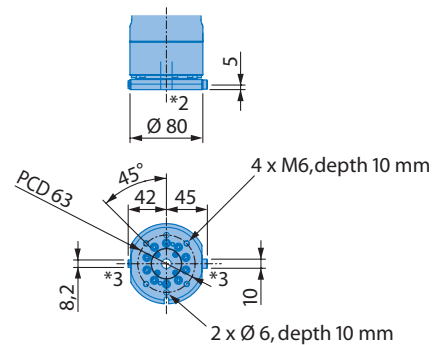
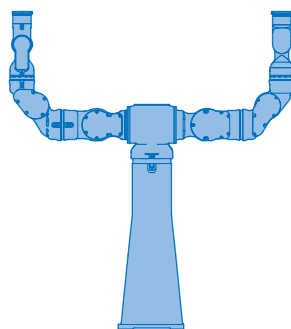
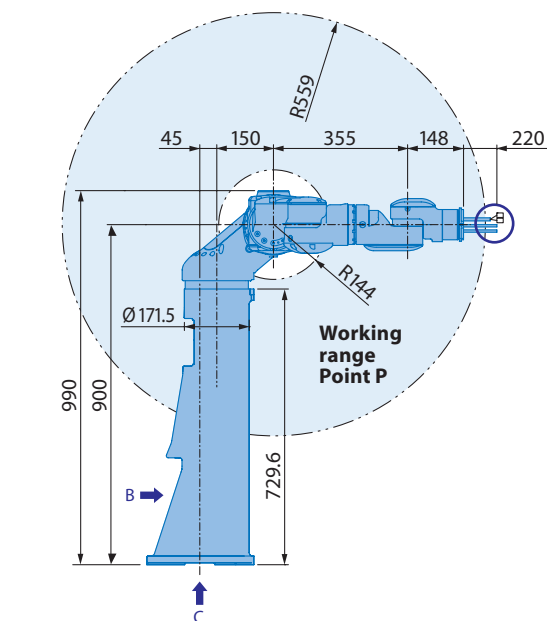
SDA5F



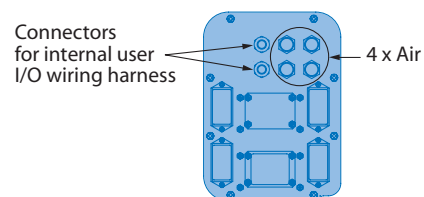
SDA10D
SDA10F



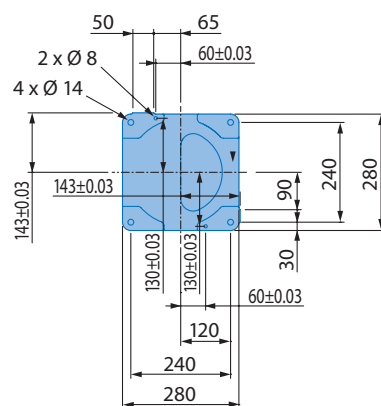
SDA20D
SDA20F



View B



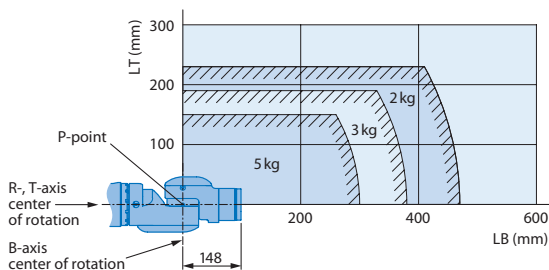
View C



Mounting options: Floor

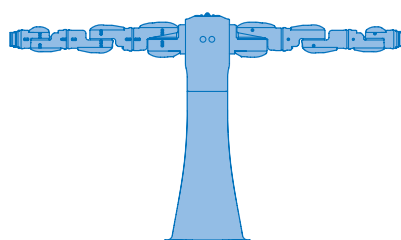
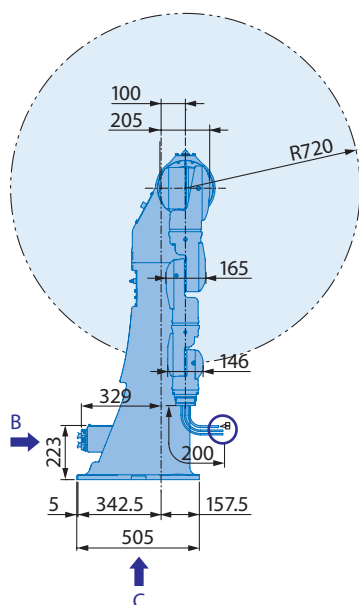
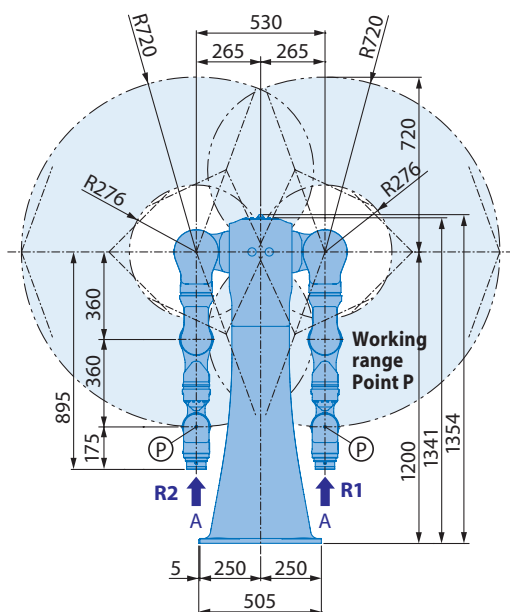
All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com – YR-SDA005D-A11 IP54/65/67, YR-SDA005F-A00, YR-SDA005F-A11 IP54/65/67, B-06-2013, A-No. 157200

Allowable wrist load

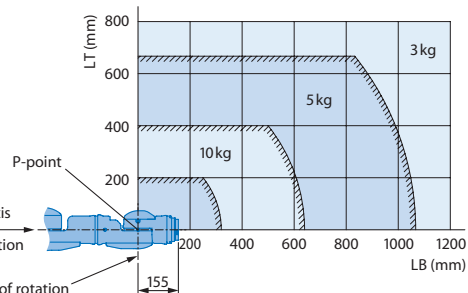


Specifications SDA5F

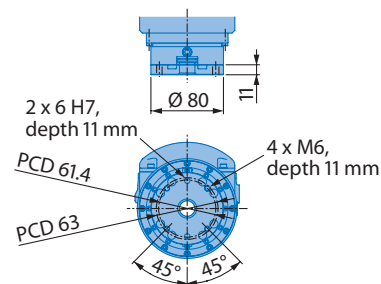
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	15
					Max. payload [kg/arm]	5
Rotation	± 170	180	–	–	Repeat. pos. accuracy [mm]	± 0.06
S	– 90/+ 270	200	–	–		
L	± 110	200	–	–	Max. reach [mm]	R = 845/559
θ	± 170	200	–	–	Temperature [°C]	0 to +40
U	– 90/+ 115	200	–	–	Humidity [%]	20 – 80
R	± 180	200	14.7	0.45	Weight [kg]	110
B	± 110	230	14.7	0.45		
T	± 180	350	7.35	0.11	Power supply, average [KVA]	1.4



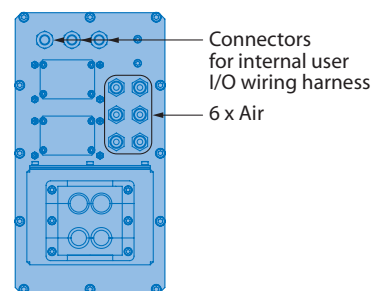
Allowable wrist load



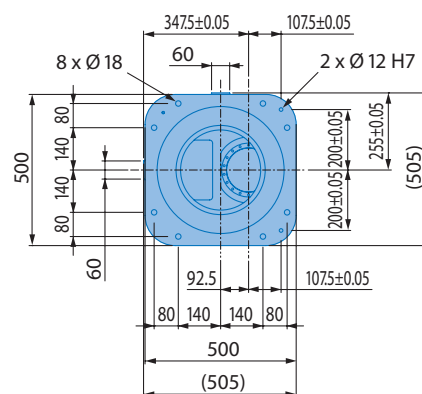
View A



View B



View C



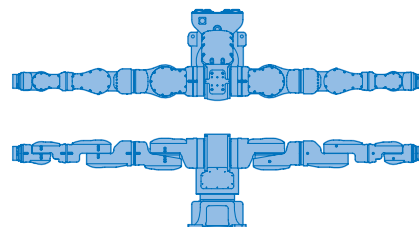
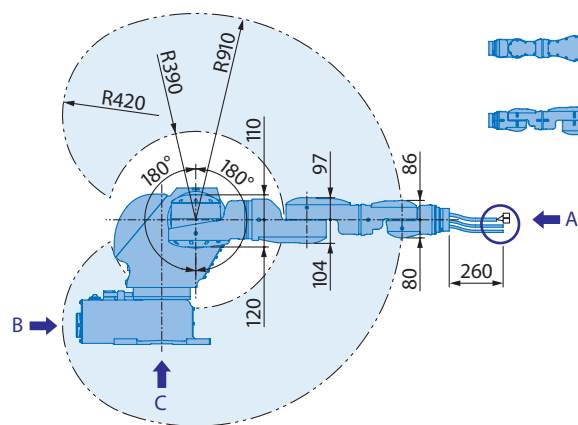
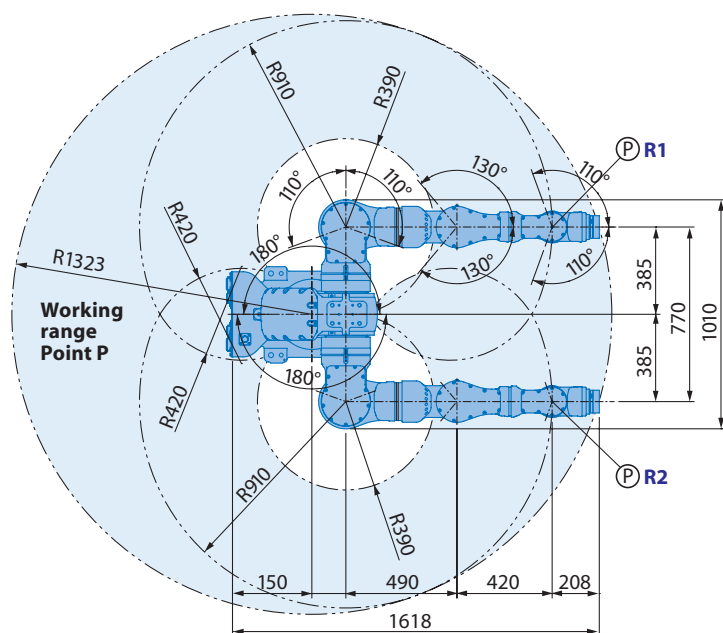
Mounting options: Floor

All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com -YR-SDA010D-A11 IP54/65/67, YR-SDA010F-A00, YR-SDA010F-A11 IP54/65/67, B-06-2013, A-Nr. 157200

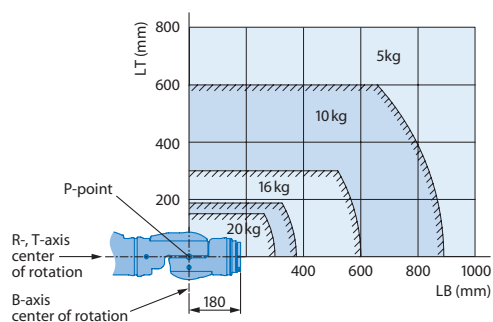


Specifications SDA10D, SDA10F

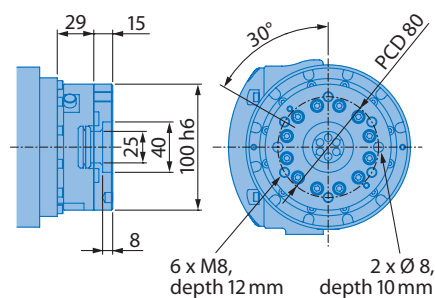
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	15
Rotation	±170	130	–	–	Max. payload [kg/arm]	10
S	±180	170	–	–	Repeat. pos. accuracy [mm]	±0.1
L	±110	170	–	–	Max. reach [mm]	R = 720/720
θ	±170	170	–	–	Temperature [°C]	0 to +40
U	±135	170	–	–	Humidity [%]	20 – 80
R	±180	200	31.4	1.0	Weight [kg]	220
B	±110	200	31.4	1.0	Power supply, average [KVA]	2.5 SDA10D 1.5 SDA10F
T	±180	400	19.6	0.4		



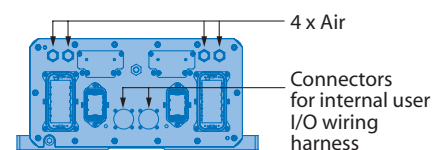
Allowable wrist load



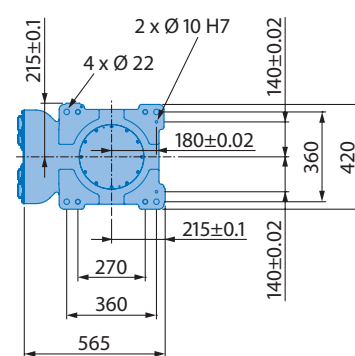
View A



View B



View C



Mounting options: Floor

All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com – YR-SDA020D-A11 IP65/67, YR-SDA020F-A00, YR-SDA020F-A11 IP65/66, B-06-2013, A-Nr. 157200

Specifications SDA20D, SDA20F

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	15
Rotation	±180	125	–	–	Max. payload [kg/arm]	20
S	±180	130	–	–	Repeat. pos. accuracy [mm]	±0.1
L	±110	130	–	–	Max. reach [mm]	R = 1323/910
θ	±170	170	–	–	Temperature [°C]	0 to +40
U	±130	170	–	–	Humidity [%]	20 – 80
R	±180	200	58.8	4.0	Weight [kg]	380
B	±110	200	58.8	4.0	Power supply, average [KVA]	4.4
T	±180	400	29.4	2.0		

