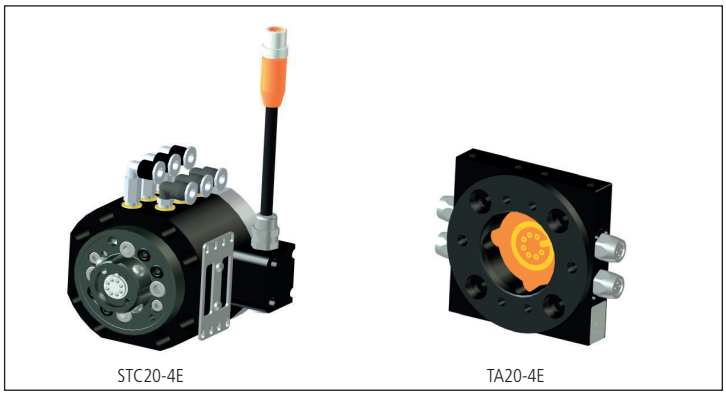
Swivel Tool Changer

STC20

Tool changers | Swivels | **Swivels with tool changer** | Grippers | Hose packages | Valve units | Tool systems



STC20-4E TA20-4E

Advantages

- Fast docking with high tolerance
- Absolute positioning repeatability
- Free rotation axis 6
- No limits to axis 4 and 5 when used with RSP hose packages
- Low weight and high corrosion resistance
- Low maintenance and high uptime

Description

Robot System Products swivels with tool changers unite the best out of two technologies. With the TrueConnect™ tool changing mechanism integrated with our swivel technology, absolute positioning repeatability and large tolerances at docking is combined with full motional freedom of your robots – axis 6 is allowed to rotate freely without being limited by hoses, cables or other obstacles.

Technical data

Article	Part No	Handling capacity (kg)	Air ducts	Mechanical Interface	Electrical signals	Weight (kg)	Mz (Dynamic)	Mx/My (Dynamic)
Swivel Tool Changer								
STC20-4	P0106A	20	6	ISO 9409-1 40-4-M6	-	0.8	± 100 Nm	± 200 Nm
STC20-4E	P0108A	20	6	ISO 9409-1 40-4-M6	8	1.1	± 100 Nm	± 200 Nm
Tool Attachment								
TA20-4	P0102	20	4	ISO 9409-1 50-4-M6	-	0.1	± 100 Nm	± 100 Nm
TA20-4 Steel	P0123	20	4	ISO 9409-1 50-4-M6	-	0.3	± 100 Nm	± 200 Nm
TA20-4E	P0109	20	4	ISO 9409-1 50-4-M6	8	0.1	± 100 Nm	± 100 Nm
TA20-4E Steel	P0125	20	4	ISO 9409-1 50-4-M6	8	0.3	± 100 Nm	± 200 Nm

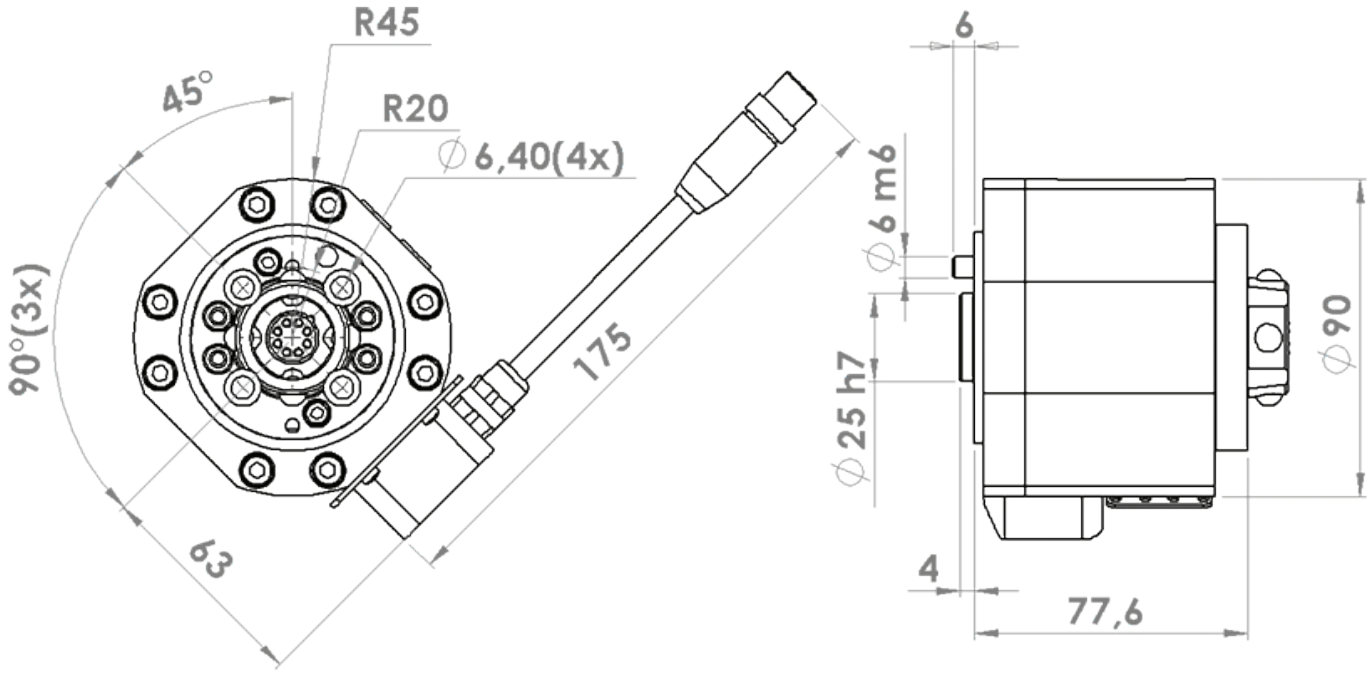
Air ducts	
Max air pressure	10 bar
Air quality	Oil-clean and waterless filtered air, max 25 µm particle content
Air flow / channel	150 l/min
Air connections	Robot side: 6 mm plastic hose or M5 Tool side: M5

Electrical Signals	
Max voltage	60V
Max current	1A
Connections	Robot side :M12 8P Tool side: 4 x M8 3S

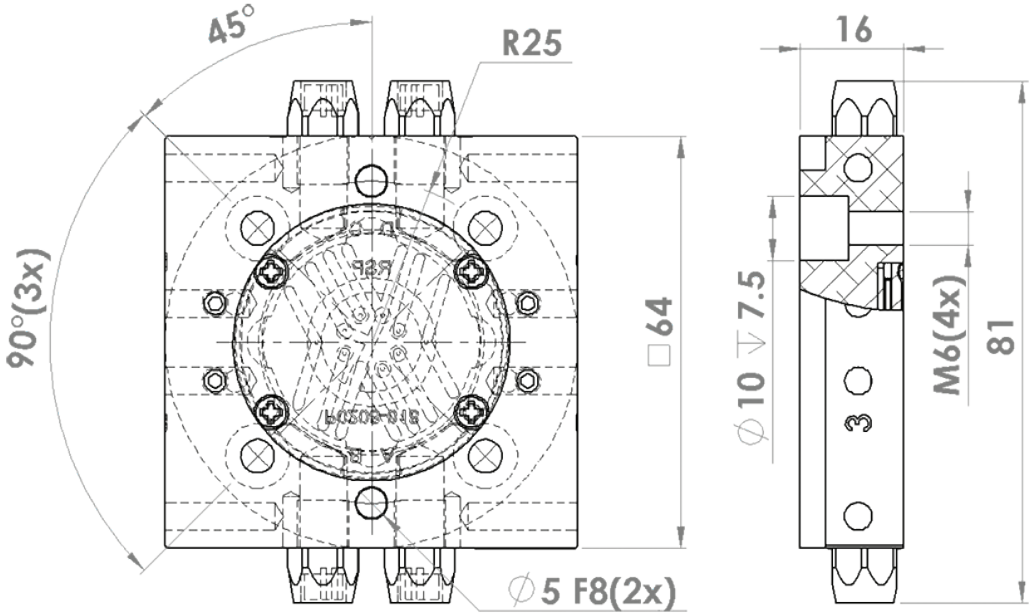
rsp robot system products

Drawings

STC20-4E



TA20-4E



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Robot System Products is a global leader in high-performance industrial robot peripheral products. Our expertise is to provide tested and field proven robotic system solutions that improve robot flexibility, utilization and uptime.

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