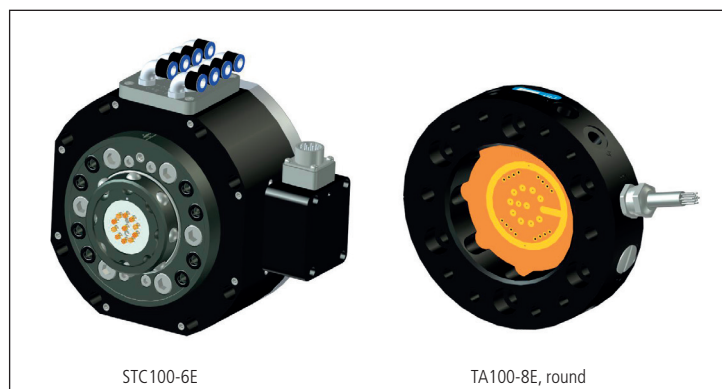


Swivel Tool Changer

STC100

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



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.

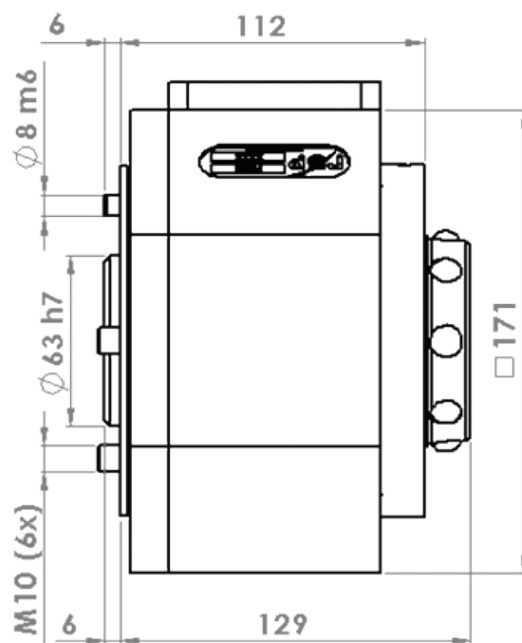
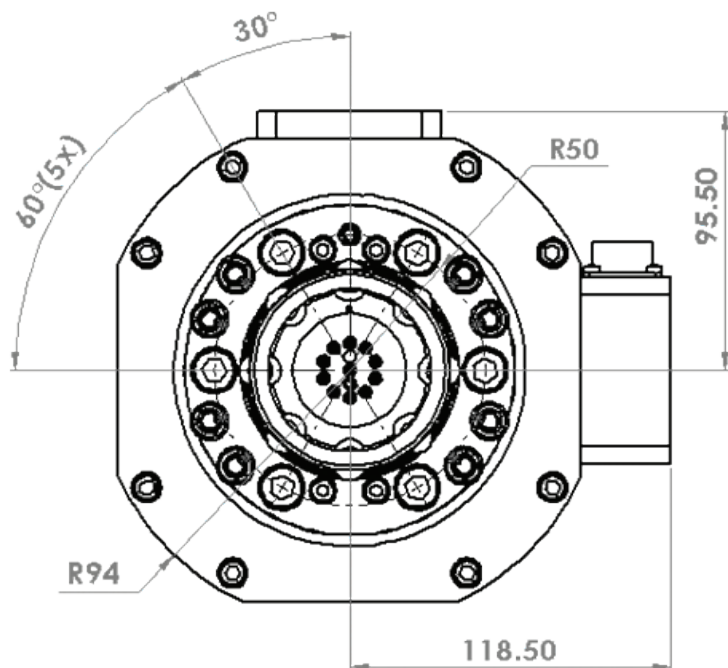
Technical data

Article	Part No	Handling capacity (kg)	Air ducts	Mechanical Interface	Electrical signals	Weight (kg)	Mz (Dynamic)	Mx/My (Dynamic)
Swivel Tool Changer								
STC100-2	P0420A	100	4	ISO9409-1 100-6-M10	-	4.9	± 1000 Nm	± 1000 Nm
STC100-6	P0406	100	8	ISO9409-1 100-6-M10	-	6.0	± 1000 Nm	± 1000 Nm
STC100-2E	P0421A	100	4	ISO9409-1 100-6-M10	12	5.2	± 1000 Nm	± 1000 Nm
STC100-6E	P0408A	100	8	ISO9409-1 100-6-M10	12	6.3	± 1000 Nm	± 1000 Nm
Tool Attachment								
TA100-8, round	P0407	100	8	ISO9409-1 100-6-M10	-	1.5	± 1000 Nm	± 1000 Nm
TA100-8, square	P0402	100	8	ISO9409-1 100-6-M10	-	2.2	± 1000 Nm	± 1000 Nm
TA100-8E, round	P0409	100	8	ISO9409-1 100-6-M10	10	1.5	± 1000 Nm	± 1000 Nm
TA100-8E, square	P0404	100	8	ISO9409-1 100-6-M10	10	2.2	± 1000 Nm	± 1000 Nm
TA100-8E, round	P0418	100	8	ISO9409-1 100-6-M10	10	1.5	± 1000 Nm	± 1000 Nm
TA100-8E, square	P0474	100	8	ISO9409-1 100-6-M10	10	2.2	± 1000 Nm	± 1000 Nm

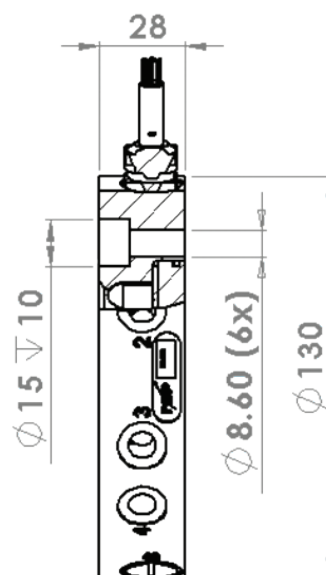
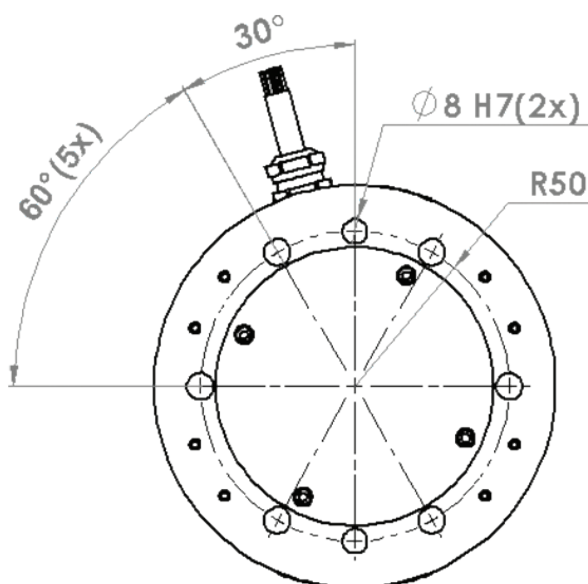
Air ducts	
Max air pressure	10 bar
Air quality	Oil-clean and waterless filtered air, max 25 µm particle content
Air flow / channel	600 l/min
Air connections	Robot side: 8 mm plastic hose or G1/8" Tool side: G 1/8"

Electrical Signals	
Max voltage	60V
Max current	2A
Connections	Robot side: 12P Souriau Tool side: 0.9 m 10 x 0.5mm ² cable (P0409, P0404) / 4 x M12 4S (P0418, P0474)

STC100-6E



TA100-8E, round



B0402-1_2



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.

Visit us at www.rsp.eu.com

