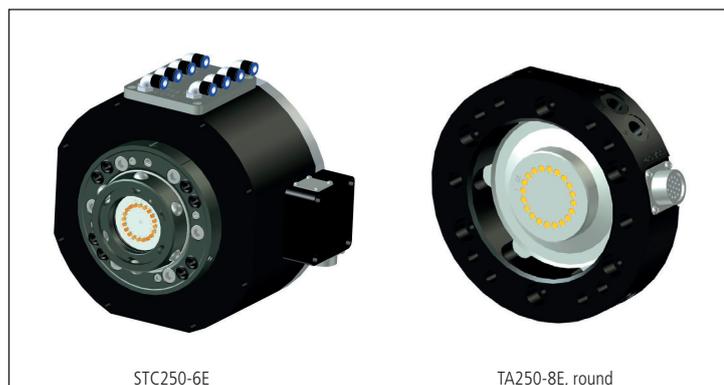


Swivel Tool Changer

STC250

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

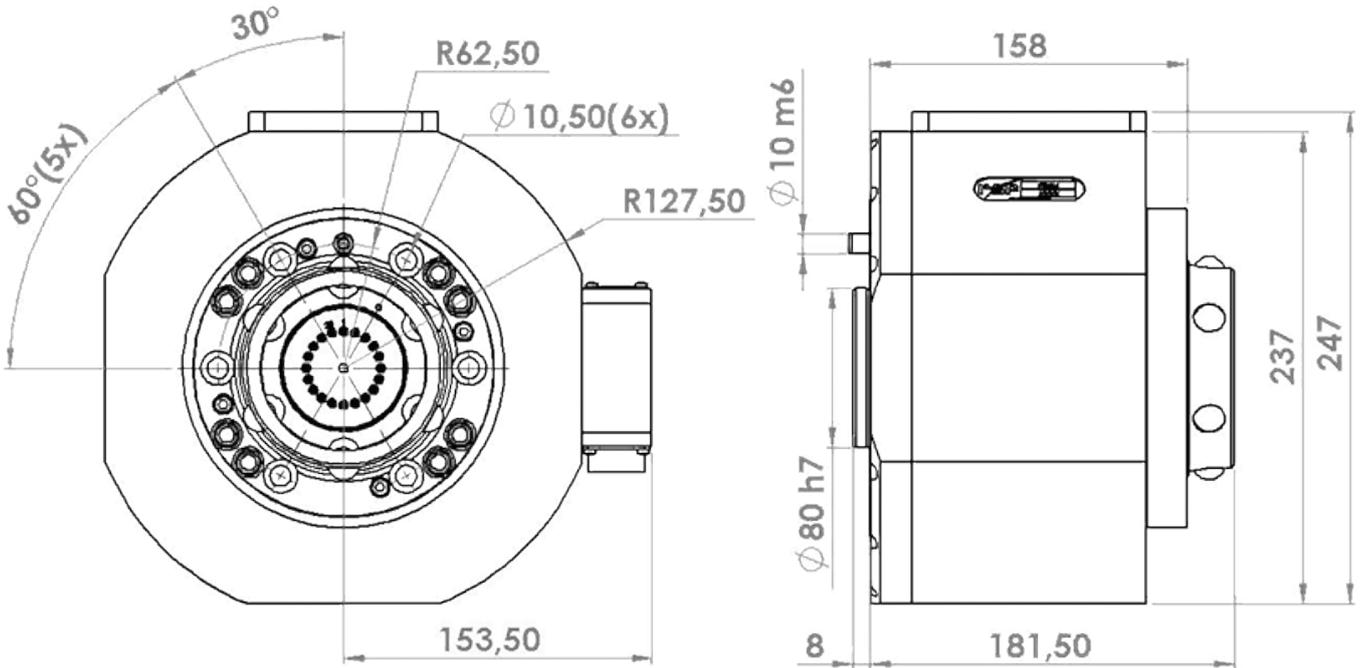
Article	Part No	Handling capacity (kg)	Air ducts	Mechanical Interface	Electrical signals	Weight (kg)	Mz (Dynamic)	Mx/My (Dynamic)
Swivel Tool Changer								
STC250-6	P6413	250	8	ISO 9409-1 125-6-M10*	-	14.5	± 1250 Nm	± 2000 Nm
STC250-6E	P6414	250	8	ISO 9409-1 125-6-M10*	18	1.1	± 1250 Nm	± 2000 Nm
Tool Attachment								
TA250-8, round	P6417	250	8	ISO 9409-1 125-6-M10*	-	2.6	± 1250 Nm	± 2000 Nm
TA250-8, square	P6474	250	8	ISO 9409-1 125-6-M10*	-	3.5	± 1250 Nm	± 2000 Nm
TA250-8E, round	P6418	250	8	ISO 9409-1 125-6-M10*	19	2.7	± 1250 Nm	± 2000 Nm
TA250-8E, round	P6431	250	8	ISO 9409-1 125-6-M10*	19	2.8	± 1250 Nm	± 2000 Nm
TA250-8E, square	P6473	250	8	ISO 9409-1 125-6-M10*	19	3.6	± 1250 Nm	± 2000 Nm

Air ducts	
Max air pressure	10 bar
Air quality	Oil-clean and waterless filtered air, max 25 µm particle content
Air flow / channel	1600 l/min
Air connections	Robot side: 8 mm plastic hose or G 1/4" Tool side: G 1/4"

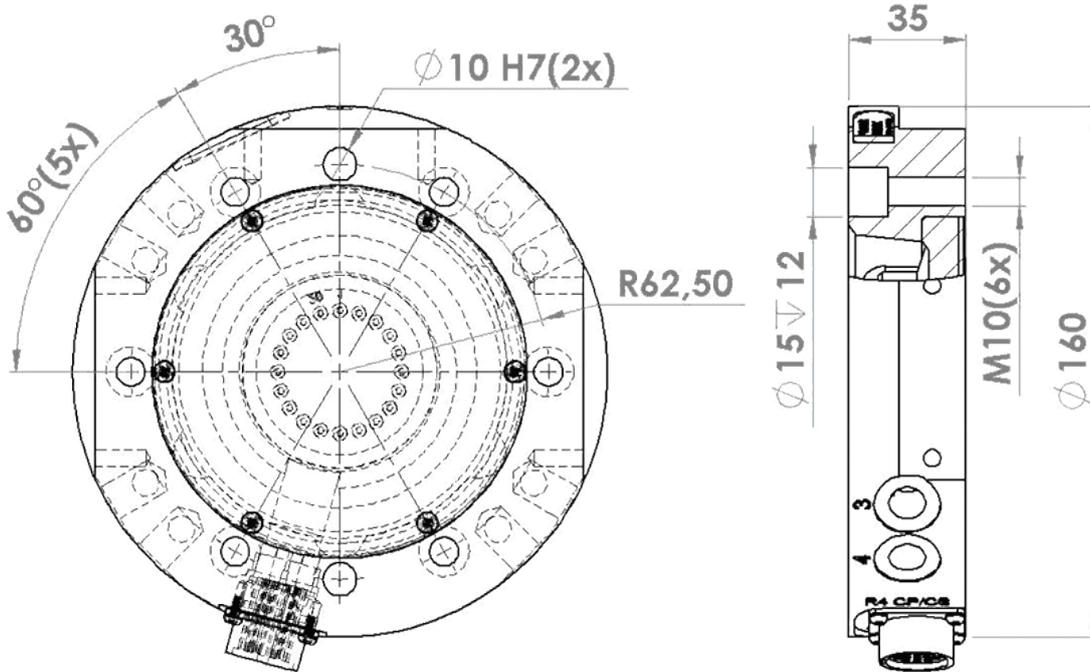
Electrical Signals	
Max voltage	60V
Max current	2A
Connections	Robot side: 23P Souriau Tool side: 19S Compact Souriau (P6418) / 1 m 20 x 0.5 mm ² cable with open end (P6431, P6473)

*STC250 fits robots with centering diameter (d3) 63mm and 80mm

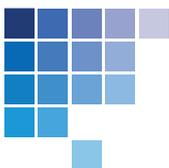
STC250-6E



TA250-8E, round



B6413-1_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

