

Spot welding Tool changer TC500-SWP/SWS



Spot welding Tool changers

The Spot welding Tool changers are designed for pneumatic (SWP) and servo (SWS) welding guns. Low weight, compact and robust design incorporating many safety features, makes the tool changer one of the fastest and most reliable on the market. An advanced locking device automatically lines up the electrical connector pins, drastically minimizing wear and maximizing operational lifetime.

Advantages:

- Low maintenance
- Forgiving locking device
- Fast docking due to smart design
- Easy to switch connecting pins
- Integrated tool changing valve
- Indication of coupled tool attachment
- Indication of uncoupled tool changer

Technical data

Tool Changer	Part no.	Handling capacity (kg)	Mechanical interface	Air/Water Ducts	Electrical signals	Weight (kg)	Corresponding Tool attachment	Part no.	Weight (kg)	Max torque (Nm)
TC500-SWP	P0565	500	ISO 9409-1-160-11-M12	8	43	16,0	TA500-SWP	P0567	10,0	2300
							TA500-SWP/MH	P0569	7,0	2300
TC500-SWS	P0566	500	ISO 9409-1-160-11-M12	8	43	16,2	TA500-SWS	P0568	10,3	2300
							TA500-SW/MH	P0570	7,2	2300

Air ducts

Max air pressure	10 bar
Tool change function	6 - 10 bar
Air flow	2000 l/min
Connections	Robotside: G 1/4" / Toolside: G 1/4"

Air/Water*

Max air pressure / water pressure**	10 bar / 10 bar
Air flow	2500l/min
Water flow**	20 l/min
Connections	Robotside: G 1/2" / Toolside: G 1/2"

*Not on P0570
**Not on P0569

Electrical signals

Max voltage	60 V
Max current	5 A
Connections	Robotside: 3 module Harting / Toolside: 3 module Harting

Servo power (only SWS)

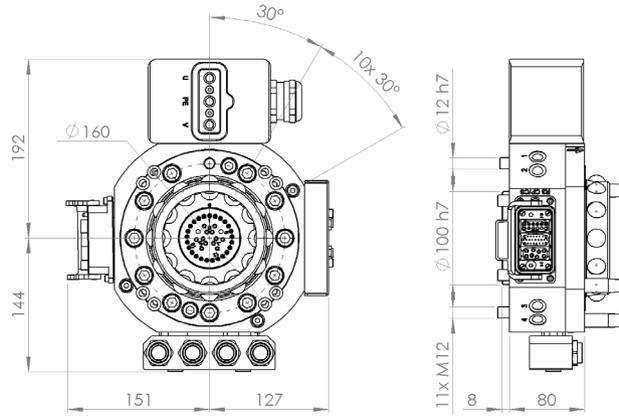
Max voltage	700 V
Max current	15 A
Connections	Robotside: 3 module Harting / Toolside: 3 module Harting

Weld power

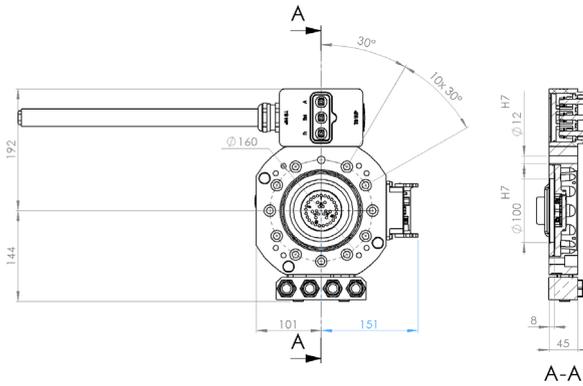
Max voltage	690 V
Max current	135 A
Connections	Robotside: Cable Gland / Toolside: cable

Dimensional drawings

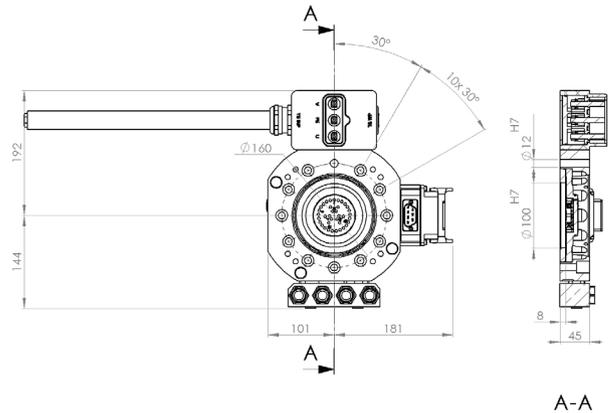
TC500-SWP:



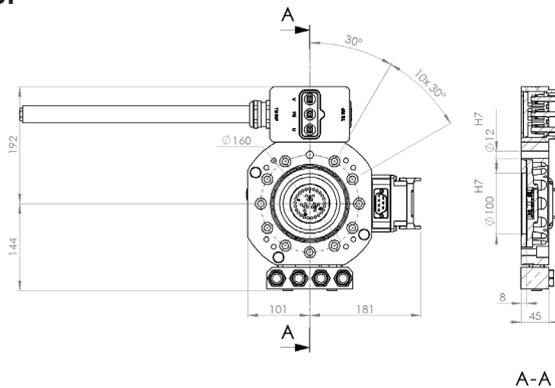
TA500-SWP:



TC500-SWS:



TA500-SWS:



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