

Tool changer

WW50	WW80	WW100	WW120	WW180	WW220	WW220E	WW250	HW80	Storage stations	Connector
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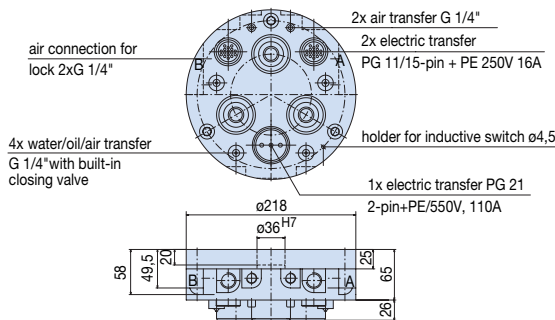
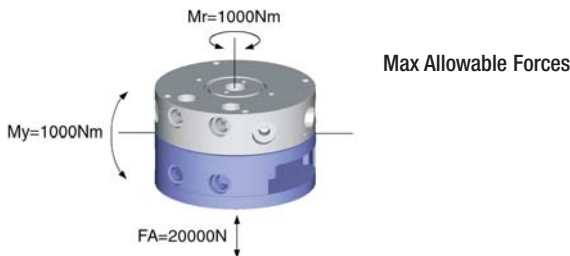


Sommer-automatic
Grippers
Separators
Swivel units
Rotating jaws
Axial compensators
Tool changers
Linear cylinders
Shock absorbers
Rotary cylinders
Air vane motors
Vacuum components
Accessories
Quick finder

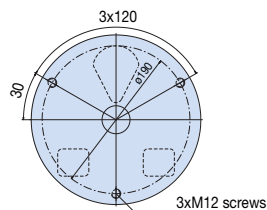


F = fixed part (robot side)

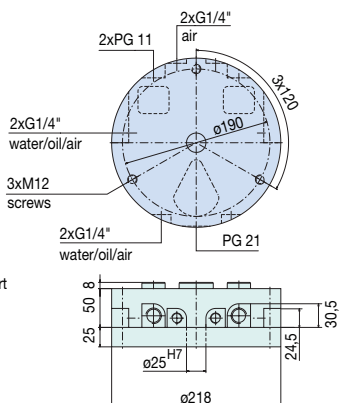
L = loose part (tool side)



fixed part



loose part



Tool changer for welding applications

Advantages, benefits, comparisons and tips! Stacks of information all about this product are on page 299.

Order no.:	
WW220 FE	WW220 LE
Coupling stroke [mm]*:	
-	1,5
Construction height in locked position [mm]**:	
140	140
Handling weight (recommended) max. [kg]:	
180	180
Self-locking via:	
mech.	mech.
Electrical connector *** 2 pole + PE [p.]:	
1	1
Electrical connector *** 15 pole + PE [p.]:	
2	2
Pneumatic connector 1/4" [p.]:	
2	2
Hydraulic connector 1/4" [p.]:	
4	4
Min./max. operating pressure [bar]:	
4/8	4/8
Repeatability ± [mm]:	
0,02	0,02
Air volume per cycle [cm ³]:	
90	-
Min./max. operating temperature [C°]:	
5/80	5/80
Weight [kg]:	
6,2	4,6

All data measured at 6 bar.

* with max. axis deviation of 1.5 mm

** incl. adapter panel (loose part and fixed part)

*** see page 312

See Page 299 for Accessory list.

The Welding Specialist

This system was developed especially for heavy-duty welding applications.

Its particular advantage is the power connection and the additional hydraulics or water coupling. In addition, the robot arm does not have to exert any coupling forces for coupling and decoupling or make any locking movements. The loose part is connected or removed automatically. It is also possible to change tools while still pressurized (4 bar) without leakage.

The tool changer has four hydraulic lines (max. 40 bar), power supply, (15x16A at 250V + PE) and three-phase current connections (2x110A at 550V + PE).