

VERTICAL ARTICULATED ROBOT **RV45-2118**

HIGHLY DYNAMIC 6-AXIS ARTICULATED ROBOT FOR PRECISE INDUSTRIAL APPLICATIONS

The REIS **RV45-2118** is an advanced 6-axis articulated robot that offers exceptional precision and dynamics with a nominal payload of 45 kg. The **RV45** is ideal for general handling tasks.

Top class technology

Equipped with six rotary axes, the **RV45-2118** offers full freedom of movement (6DoF: three translational and three rotational degrees of freedom), making it a versatile solution for complex industrial applications.

Perfect coordination with the control system

In combination with the advanced REIS ROBOTstar VII robot controller, the **RV45-2118** unfolds its full potential. The precise path control technology of the REIS ROBOTstar VII, in combination with the SINAMICS hardware and control technology, ensures optimum management of the complete servo drive technology, including powerful servomotors.



Maximum performance thanks to high-quality materials

The REIS RV series sets new standards in its class through the use of precise high-performance gearboxes and mechanics designed for maximum rigidity, natural frequency and damping. The construction in-

cludes innovative material combinations of steel, aluminum, magnesium and carbon fiber composites to ensure maximum stability with minimum weight.



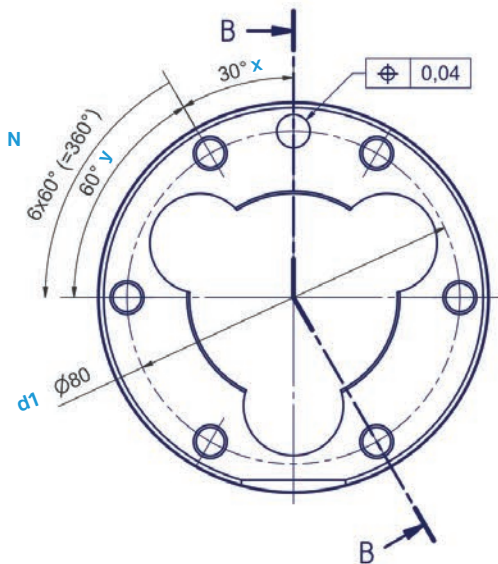
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RV45-2118

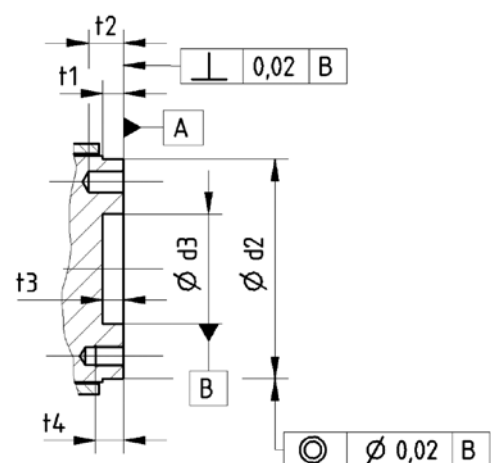
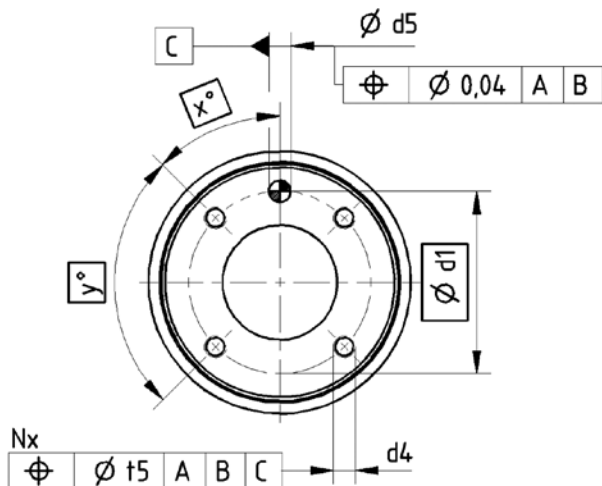
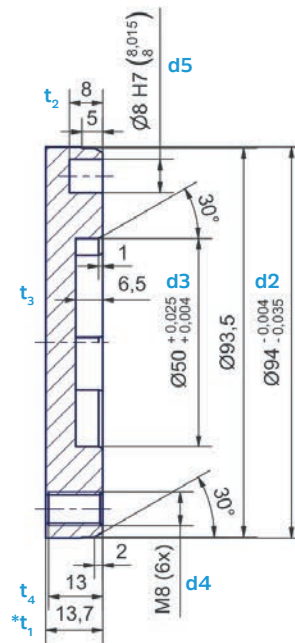
MECHANICAL INTERFACE

Type	d ₁	d ₂ h8	d ₃ H7	d ₄	N	d ₅ H7	x	y	t ₁	t ₂	t ₃	t ₄
	mm	mm	mm	mm		mm	°	°	mm	mm	mm	mm
RV45-2118	80	94	50	M8	6	8	30	60	13.7-5	8	6.5	13

A (1:1)
Tool mounting flange A6



B-B



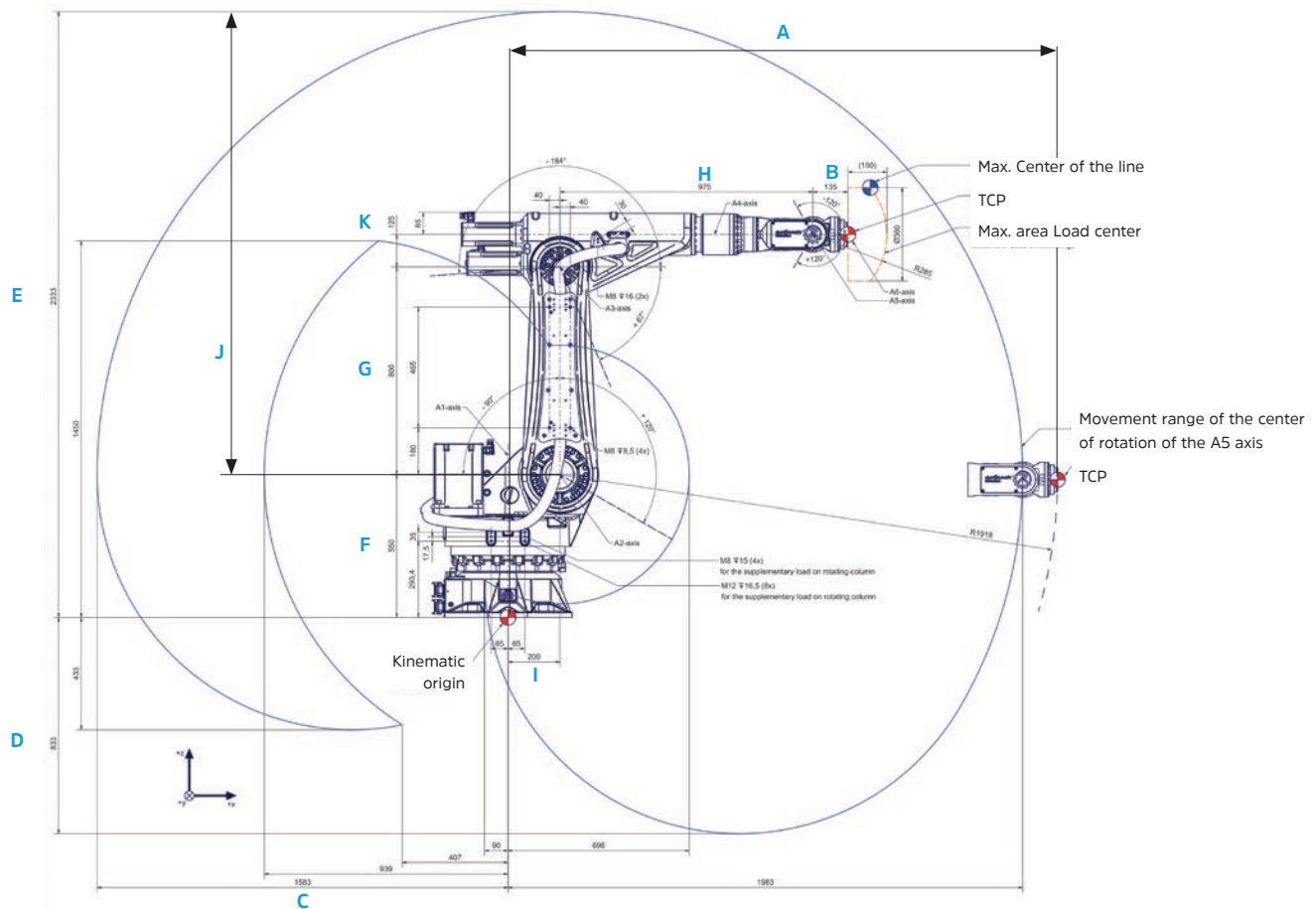
A dowel pin is required in addition to the internal or external centering to fix the position

From the position shown, a rotation range of $\pm 360^\circ$ is possible.

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ARBEITSRAUM



Workspace

A	mm	2,218	G	mm	800
B	mm	135	H	mm	975
C	mm	1,583	I	mm	200
D	mm	833	J	mm	1,783
E	mm	2,333	K	mm	125
F	mm	550			

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