

## HIGHLY DYNAMIC 6-AXIS ARTICULATED ROBOT FOR PRECISE INDUSTRIAL APPLICATIONS

The REIS **RV60-1959** is an advanced 6-axis articulated robot that offers exceptional precision and dynamics with a nominal payload of 60 kg. The **RV60** is ideal for general handling tasks.

#### Top class technology

Equipped with six rotary axes, the RV60-1959 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 **RV60-1959** unfolds its full potential. The precise path control technology of the REIS ROBOTstar VII, in combination with the SINA-MICS 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 gear-boxes 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.





#### **Technical data**

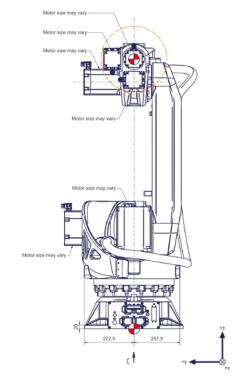
Nominal load capacity	kg	60
Additional load on carousel A1	kg	70
Additional load on arm A3	kg	40
Number of axes		6
Protection class	IP	64
Weight of basic device (without control unit)	kg	414

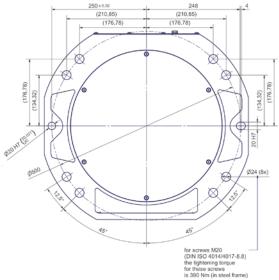
### **Speeds**

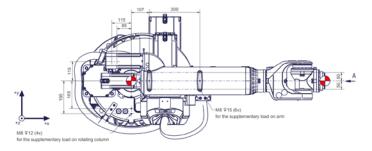
A1	°/s	160
A2	°/s	150
A3	°/s	160
A4	°/s	260
A5	°/s	245
A6	°/s	322

## Swivel range of traversing axis Axis 1 to 6

Swivel range A1	o	±185
Swivel range A2	o	-90/+120
Swivel range A3	o	-184/+67
Swivel range A4	o	±360
Swivel range A5	o	±120
Swivel range A6	o	±360





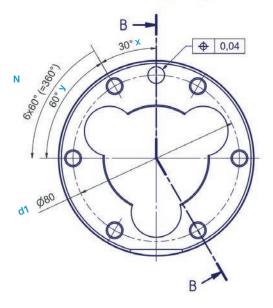


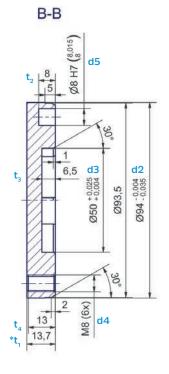


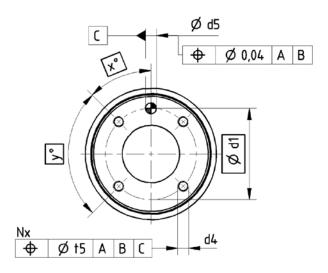
### MECHANICAL INTERFACE

Туре	d <sub>1</sub>	d <sub>2 h8</sub>	d <sub>3</sub> H <sup>7</sup>	$d_4$	N	d <sub>5</sub> H <sup>7</sup>	х	У	t <sub>1</sub>	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>
	mm	mm	mm	mm		mm	0	o	mm	mm	mm	mm
RV60-1959	80	94	50	M8	6	8	30	60	13.7-5	8	6.5	13

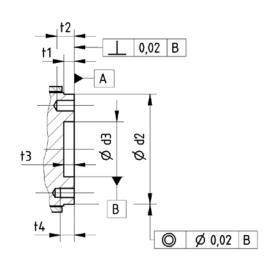
A (1:1)
Tool mounting flange A6







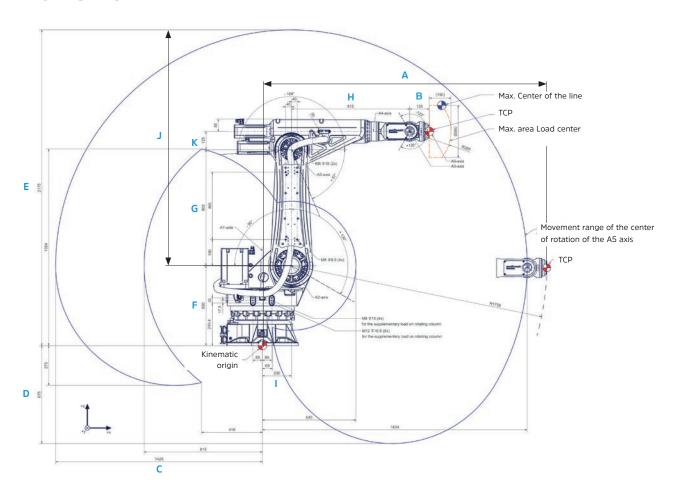
A dowel pin is required in addition to the internal or external centering to fix the position



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



### WORKSPACE



### Workspace

Α	mm	1,959
В	mm	135
С	mm	1,425
D	mm	675
E	mm	2,175
F	mm	550

	300
	815
J mm 1,	200
	625
K mm	125

#### For further information please contact us under:

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