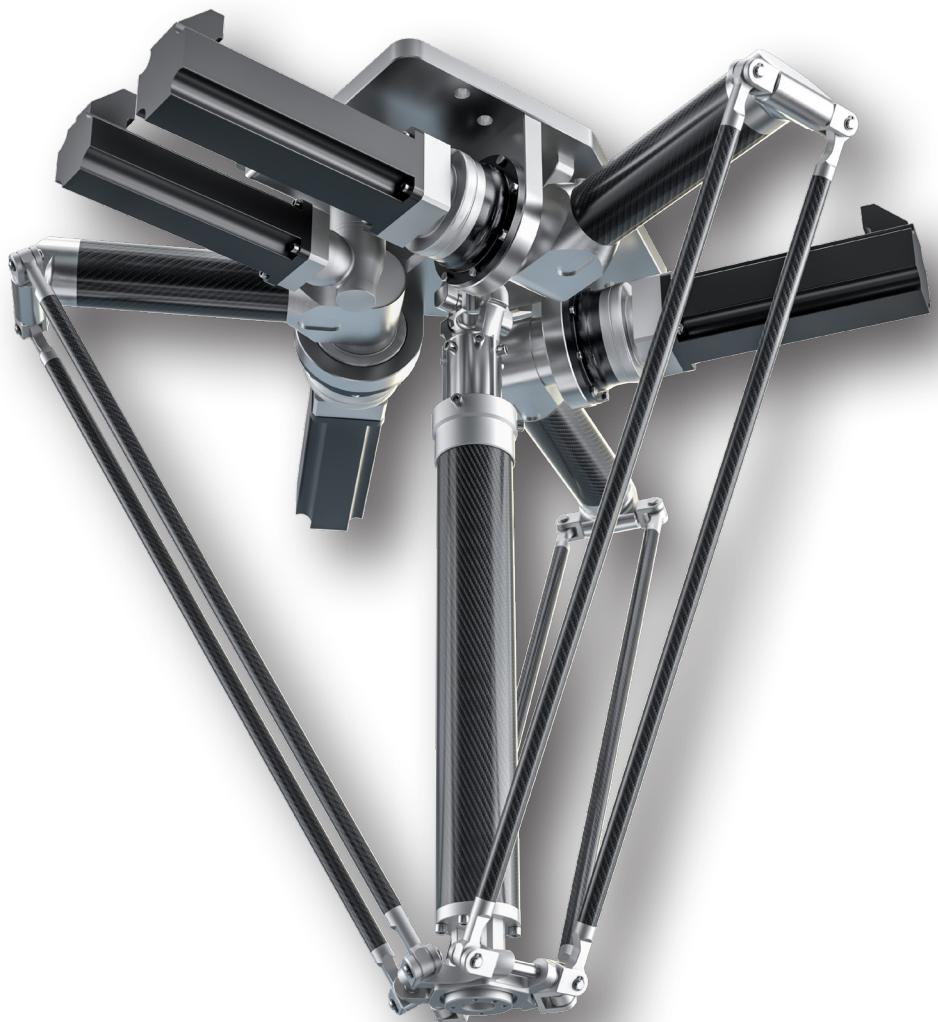




# DELTA ROBOTS

## DR





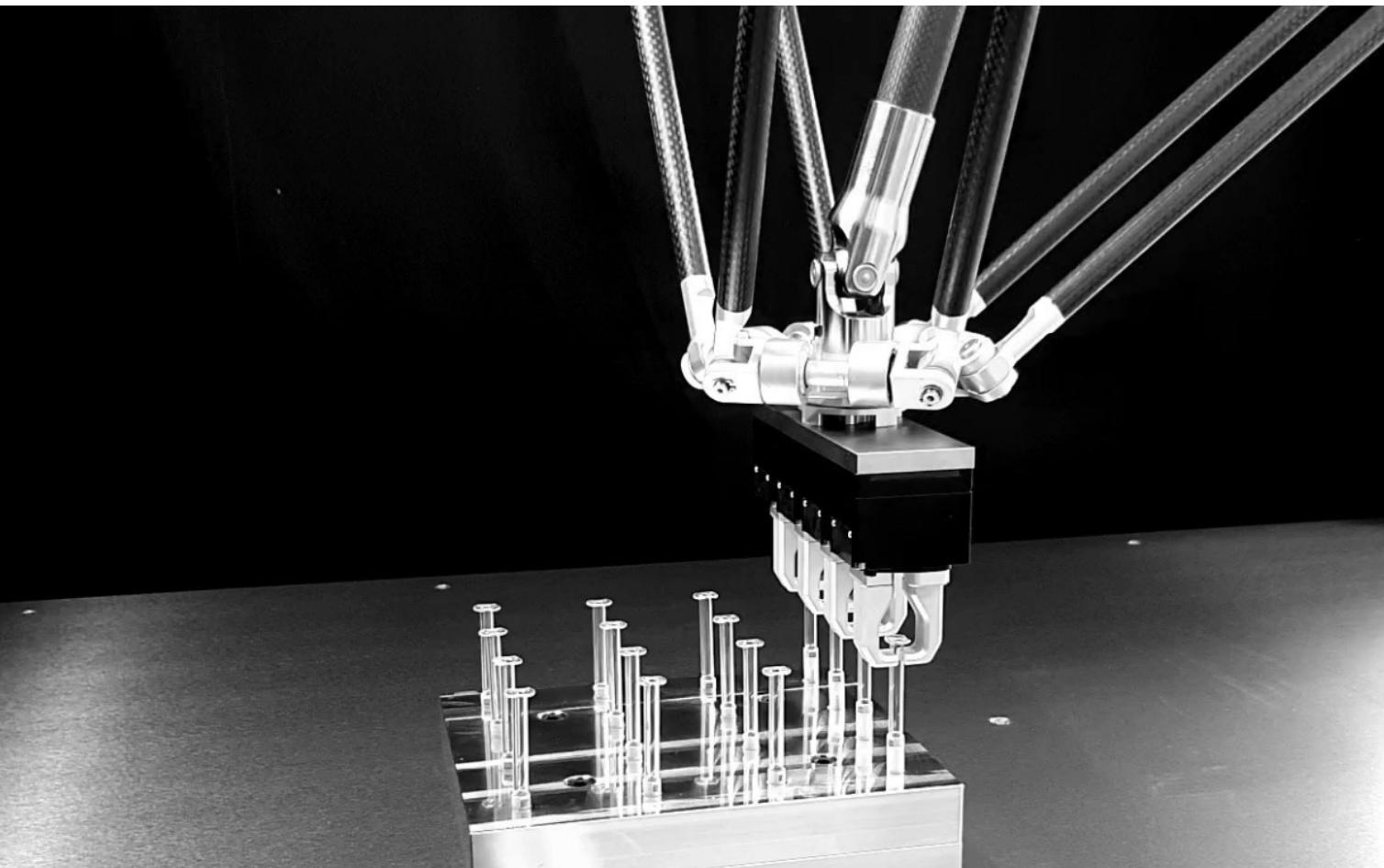
# DELTA ROBOT: EXTREM DYNAMICS, HIGHLY FLEXIBLE, EASY INTEGRATION



Our delta robots are always equipped with the **WEISS Control Package**. This turns your delta robot into a complete mechatronic system consisting of WEISS components, electronics, and software.

Not only are the cables and drive controllers preassembled and ready-to-connect, the software is also preconfigured with the most important settings. Plug in, turn on, and put into operation.





Delta robots are lightweight and fast. They are the champions of high-speed assembly and handling. The speed and precision with which they can pick and place objects are highly in demand for automated applications in the packaging and electronics industry.

WEISS Delta Robots DR are a perfect addition to the existing product range of rotary tables, linear transfer systems, linear motor axes and pick & place units. The preconfigured WEISS Control Package makes it possible to easily integrate the delta robots into any production system and to put them into operation immediately – without any in-depth programming knowledge..

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## BENEFITS

- Extremely large variety of types
- Ideal for high-speed assembly and handling
- Precise positioning
- Easy integration
- Preconfigured control
- Intuitive programming

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## TECHNICAL FEATURES

- Nominal loads from 0,5 to 50kg
- Working ranges from 200 to 2.000mm
- Specially supported arm joints
- Up to 200 ISO cycles per minute
- Can be integrated into the system control
- Web based user interface
- Very low maintenance

# DR4020C-AX0.5



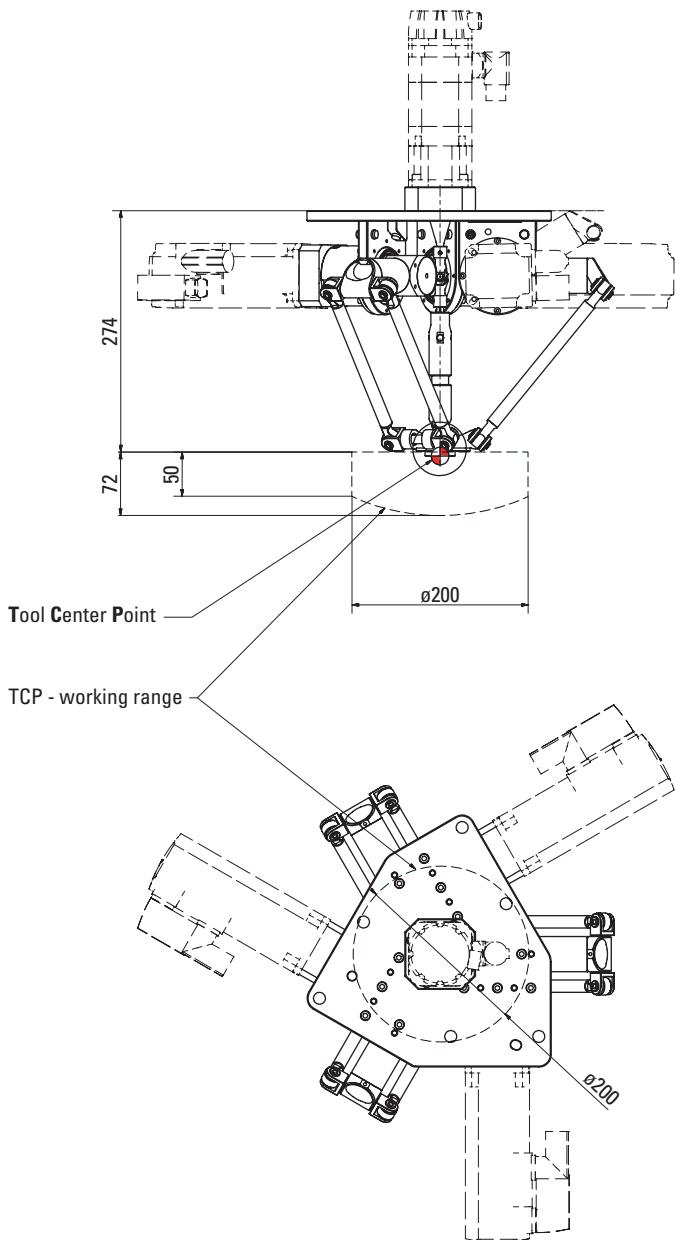
Nominal payload: **0.5 kg**



Diameter of working space: **200 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	0.5 kg
Diameter of working space	200 mm
Height of working space	50 (72) mm

Repeat accuracy translatory	±0,01 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	21 kg

\* Depends on the application and environmental conditions.

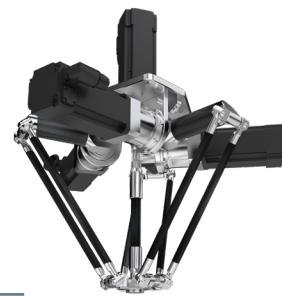
# DR4040C-AX0.5



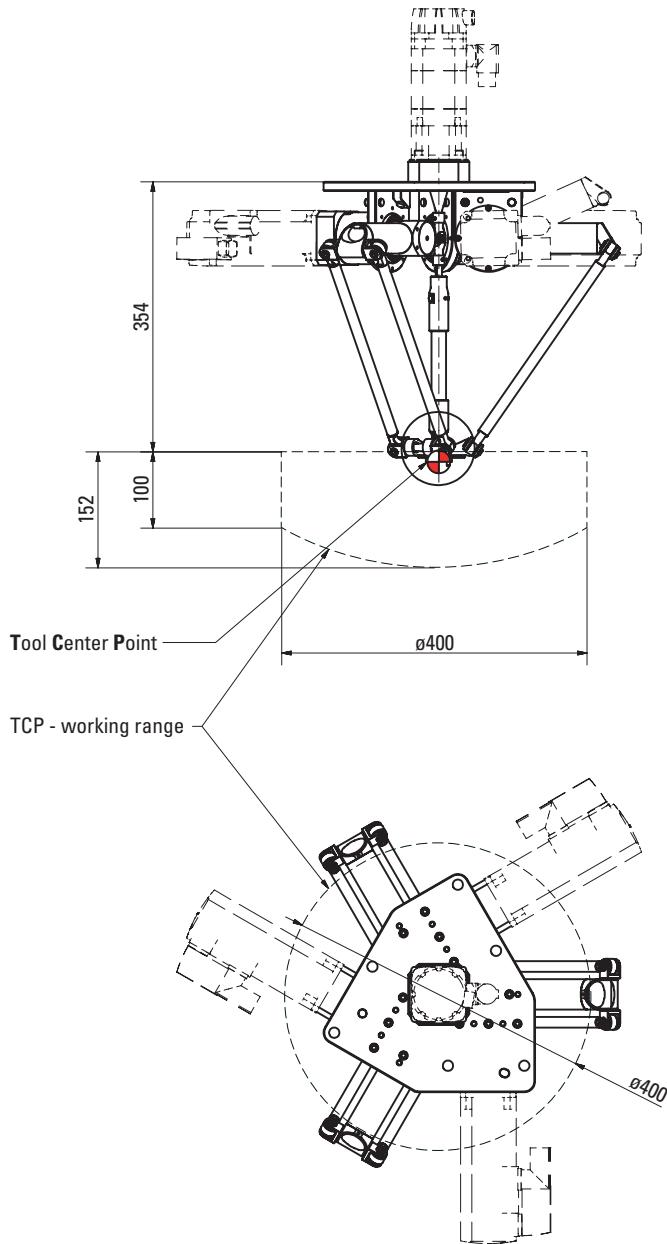
Nominal payload: **0.5 kg**



Diameter of working space: **400 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	0.5 kg
Diameter of working space	400 mm
Height of working space	100 (152) mm

Repeat accuracy translatory	±0,01 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	21 kg

\* Depends on the application and environmental conditions.

# DR4050C-AX0.5



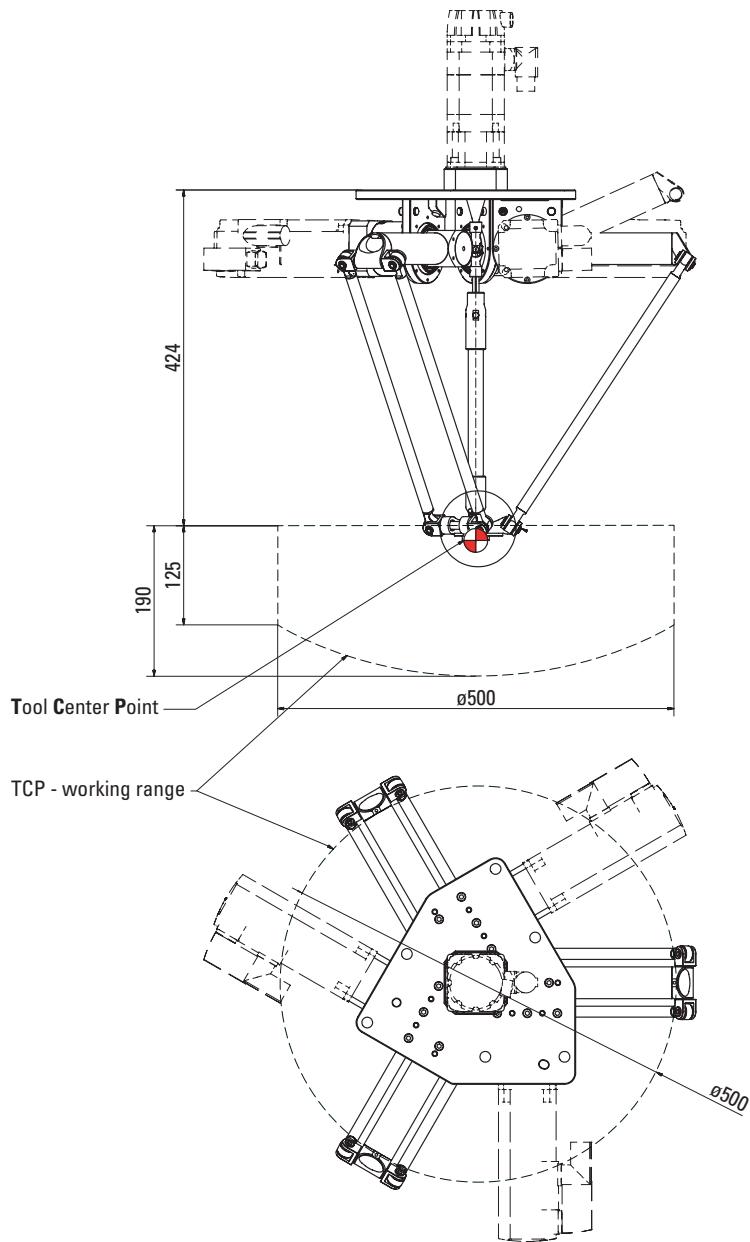
Nominal payload: **0.5 kg**



Diameter of working space: **500 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	0.5 kg
Diameter of working space	500 mm
Height of working space	125 (190) mm

Repeat accuracy translatory	±0,01 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	22 kg

\* Depends on the application and environmental conditions.

# DR4090C-AX001



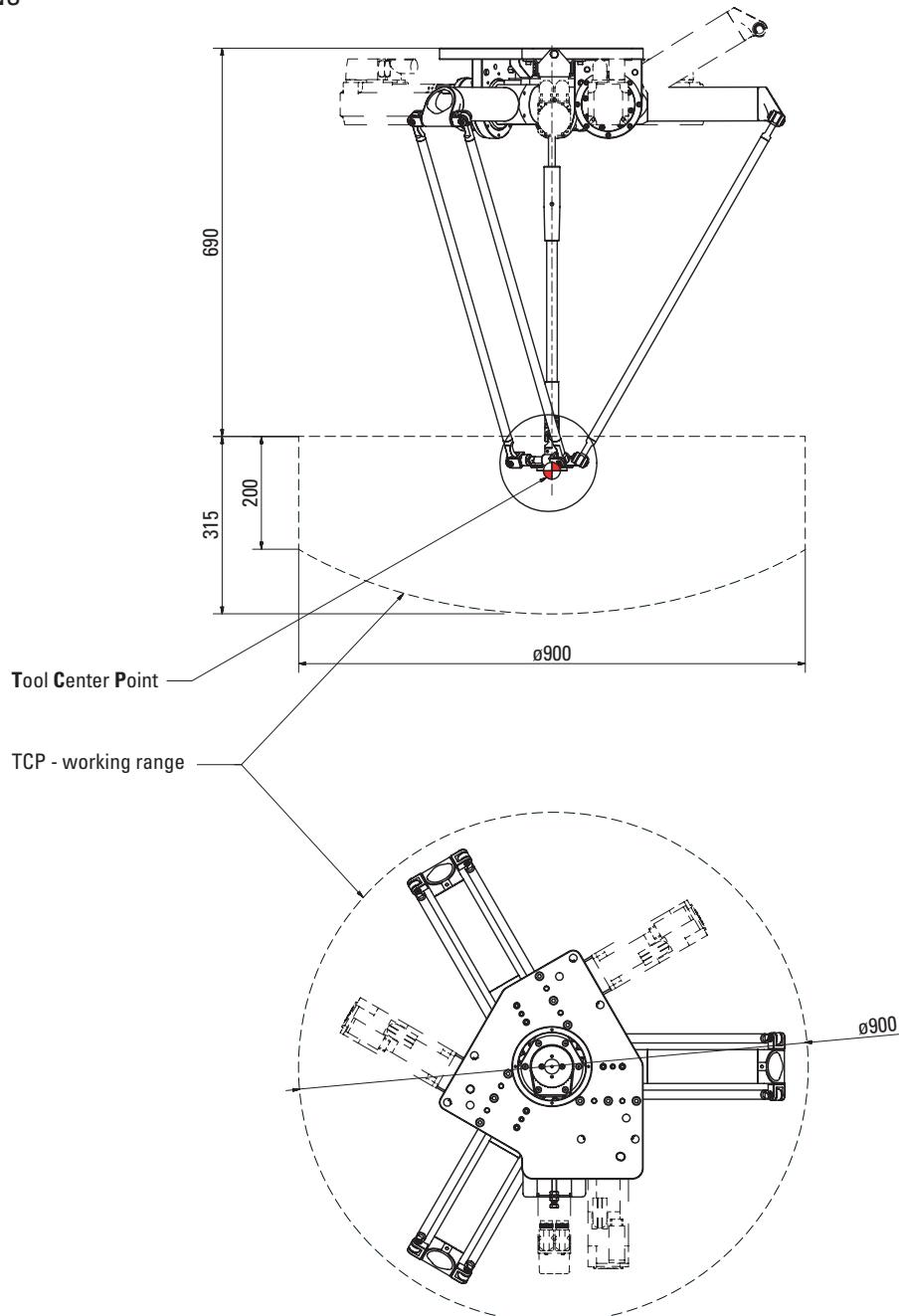
Nominal payload: **1 kg**



Diameter of working space: **900 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	1 kg
Diameter of working space	900 mm
Height of working space	200 (315) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	37 kg

\* Depends on the application and environmental conditions.

# DR4120C-AX001

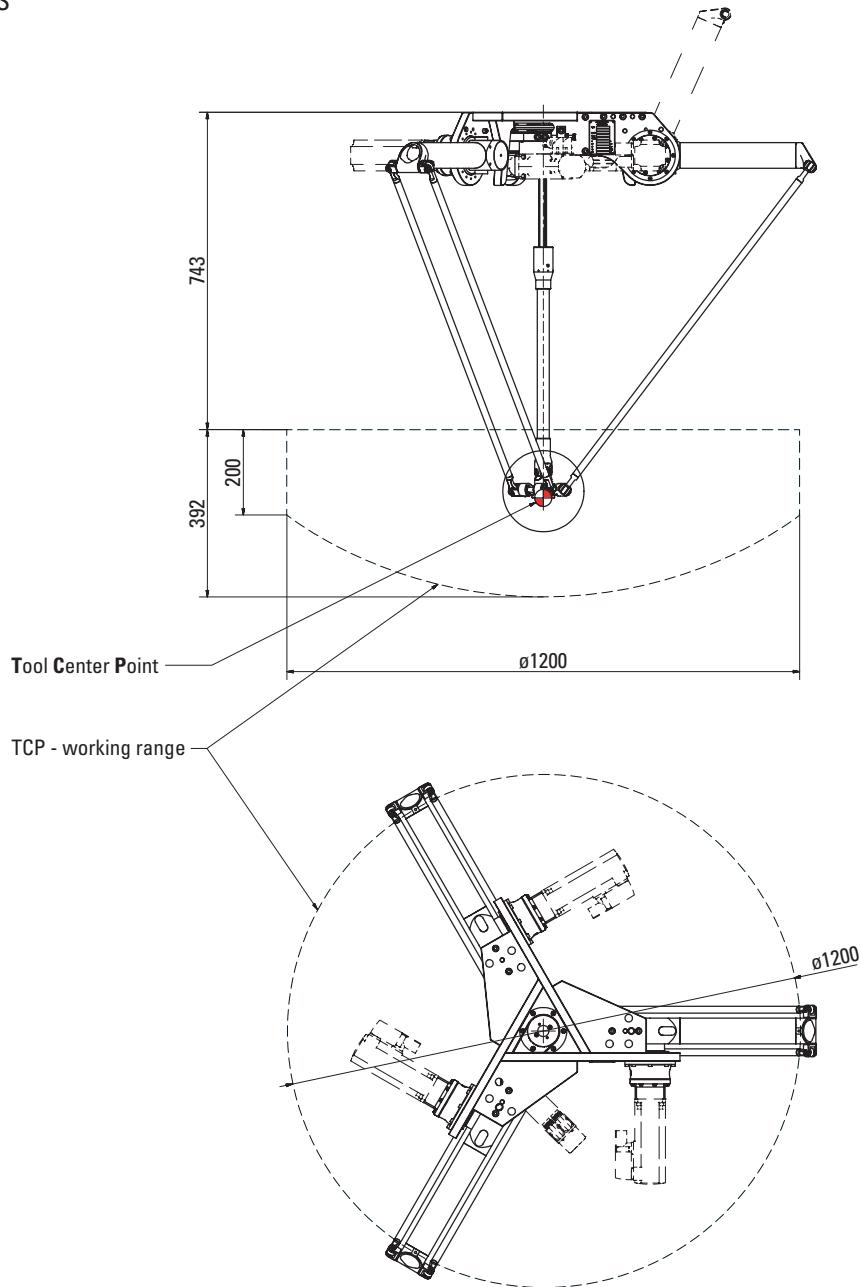
 Nominal payload: **1 kg**



Diameter of working space: **1200 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	1 kg
Diameter of working space	1200 mm
Height of working space	200 (392) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	45 kg

\* Depends on the application and environmental conditions.

# DR4090C-AX003



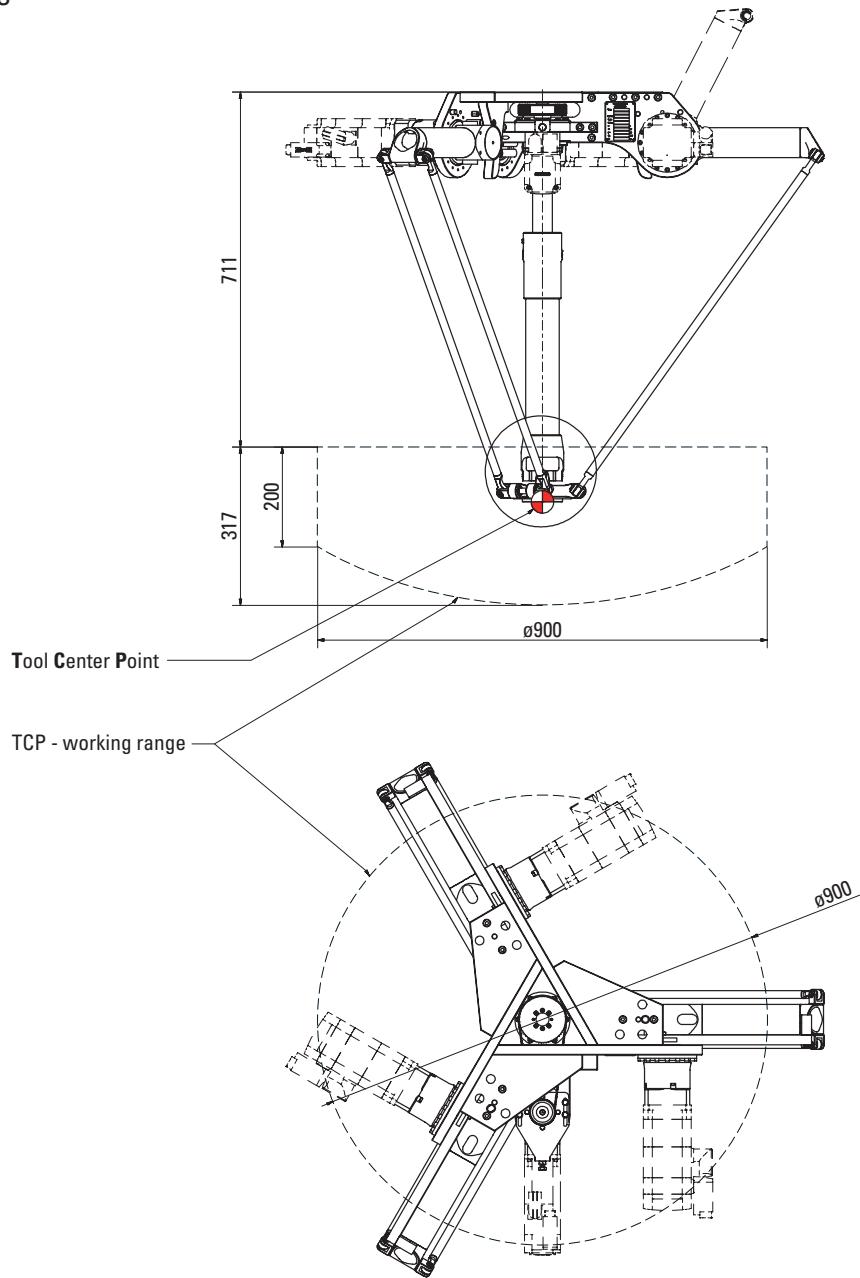
Nominal payload: **3 kg**



Diameter of working space: **900 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	3 kg
Diameter of working space	900 mm
Height of working space	200 (317) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	Yes
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	59 kg

\* Depends on the application and environmental conditions.

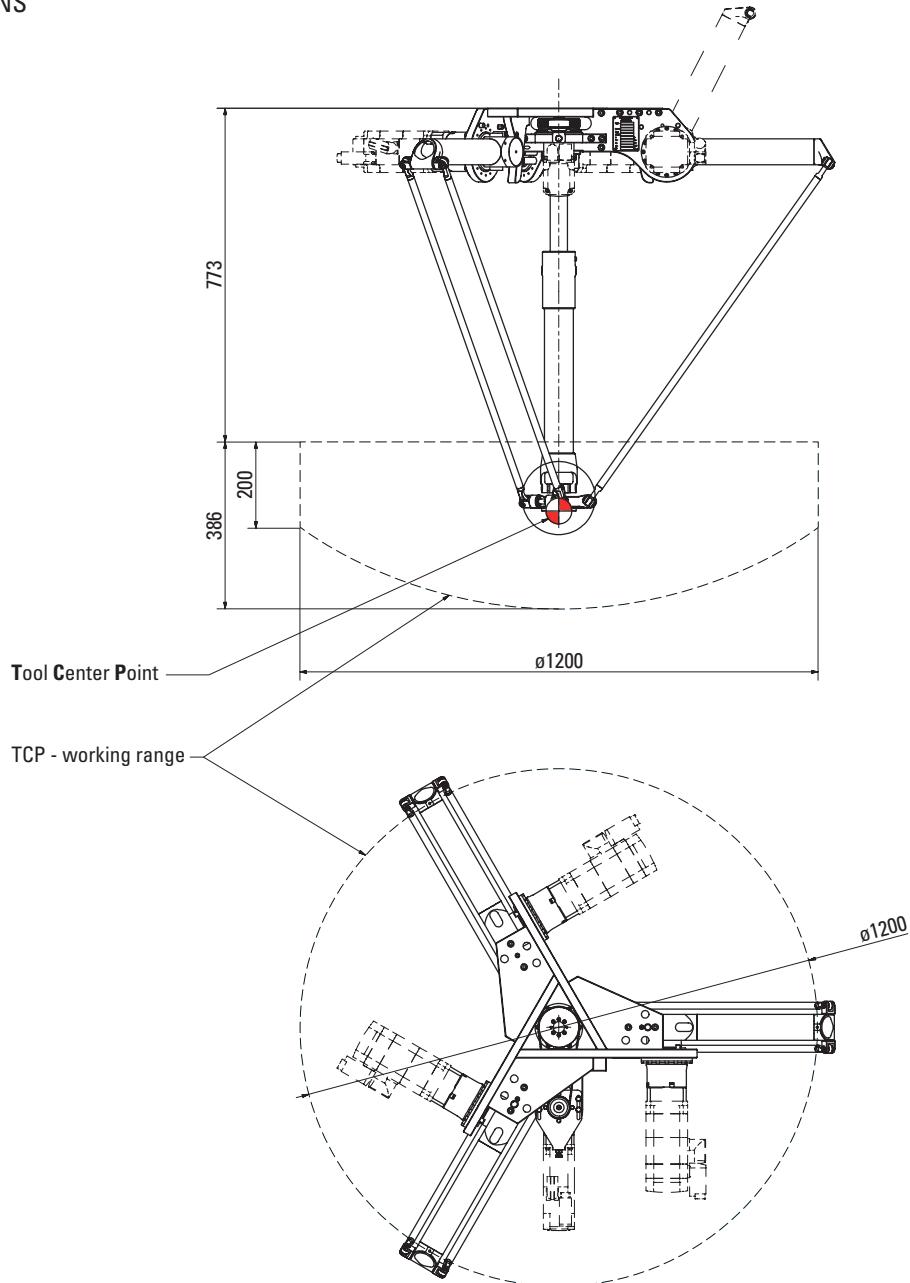
# DR4120C-AX003

 Nominal payload: **3 kg**

 Diameter of working space: **1200 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	3 kg
Diameter of working space	1200 mm
Height of working space	200 (386) mm

Repeat accuracy translatory	$\pm 0,05 \text{ mm}^*$
Internal media supply 4th axis	Yes
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	61 kg

\* Depends on the application and environmental conditions.

# DR4090C-AX006



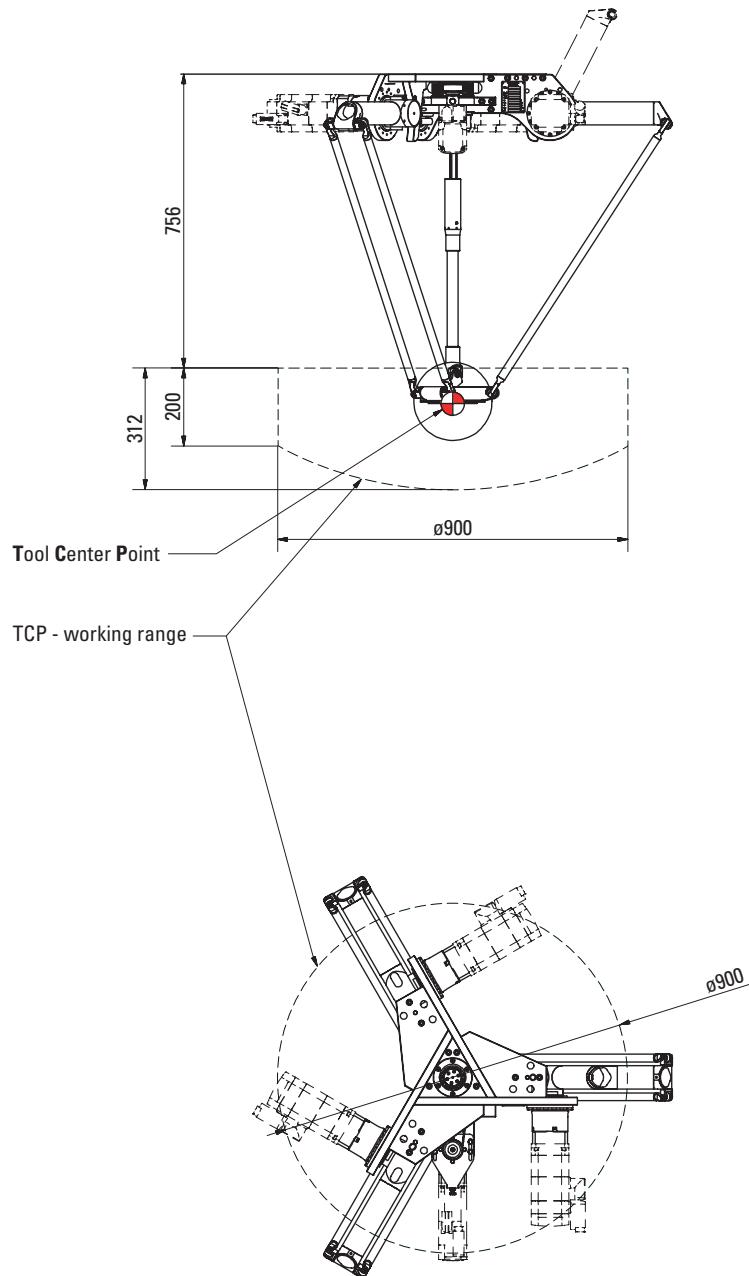
Nominal payload: **6 kg**



Diameter of working space: **900 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	6 kg
Diameter of working space	900 mm
Height of working space	200 (312) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	61 kg

\* Depends on the application and environmental conditions.

# DR4120C-AX006



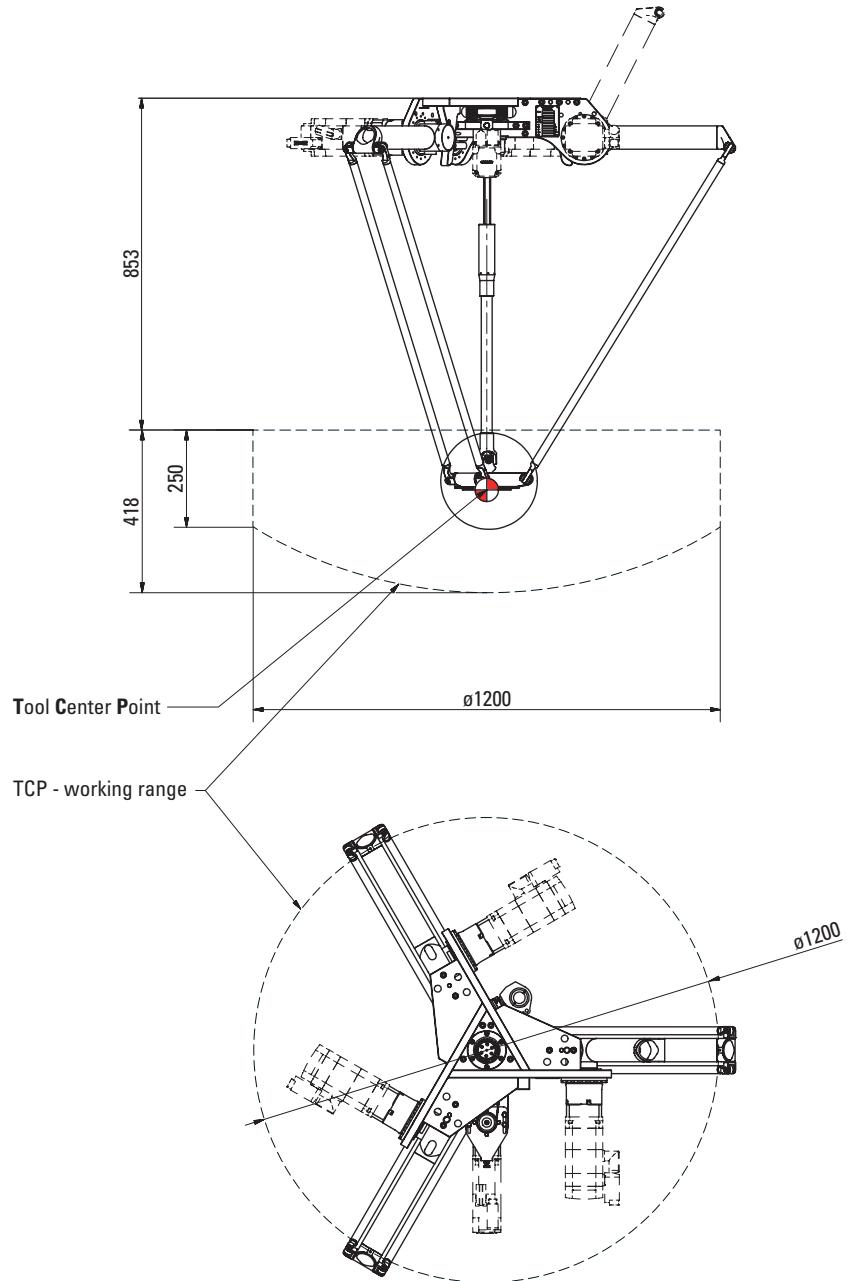
Nominal payload: **6 kg**



Diameter of working space: **1200 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	6 kg
Diameter of working space	1200 mm
Height of working space	250 (418) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	No
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	62 kg

\* Depends on the application and environmental conditions.

# DR4140C-AX006



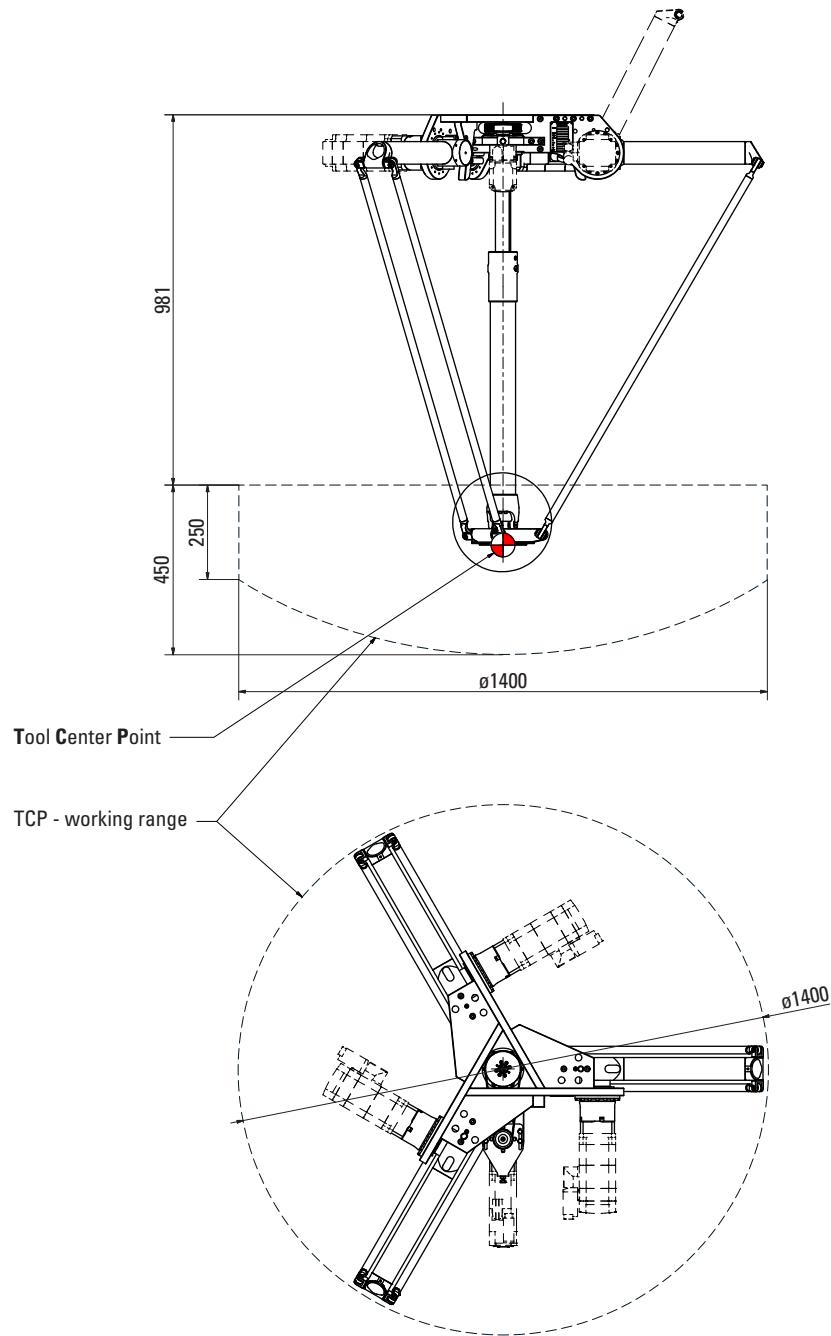
Nominal payload: **6 kg**



Diameter of working space: **1400 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	6 kg
Diameter of working space	1400 mm
Height of working space	250 (450) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	Yes
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	79 kg

\* Depends on the application and environmental conditions.

# DR4120C-AX12



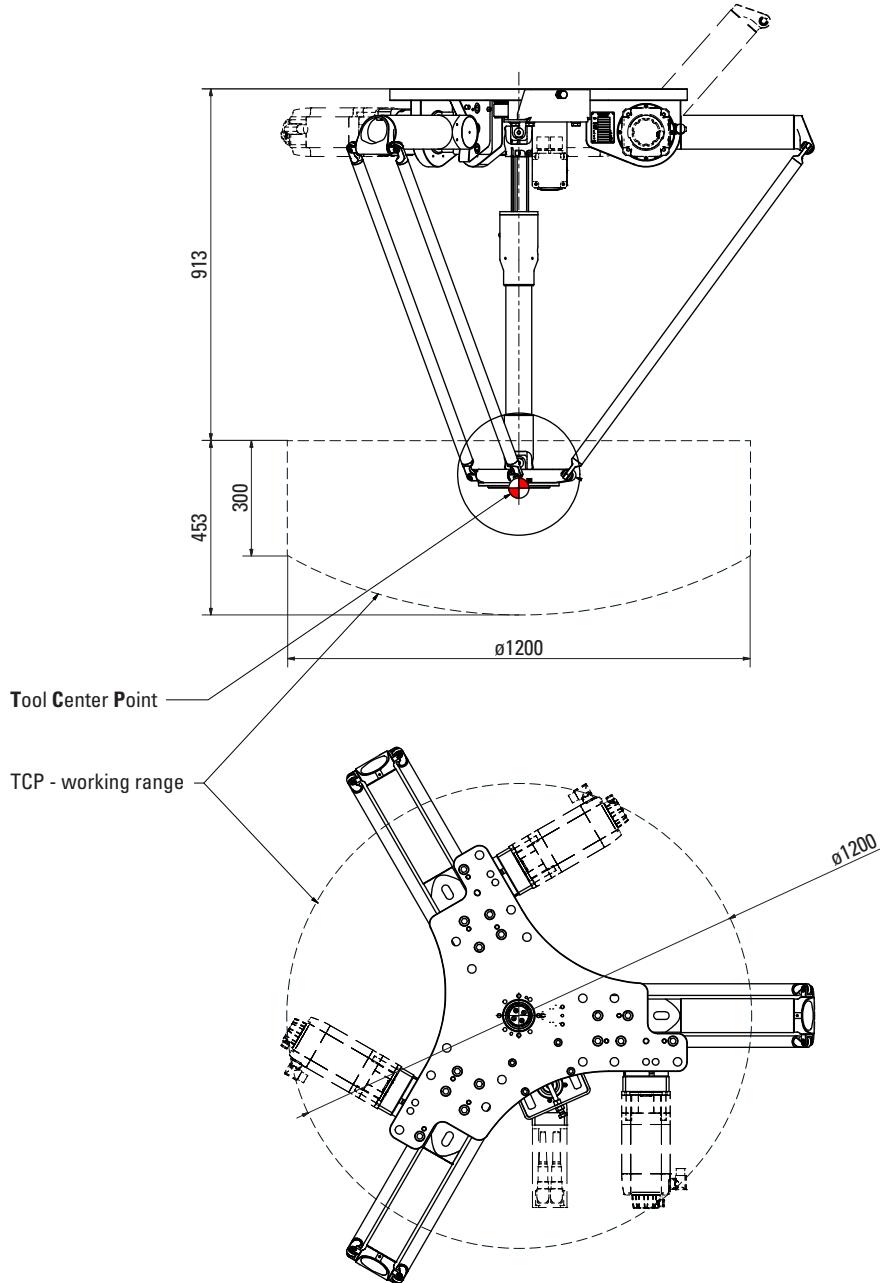
Nominal payload: **12 kg**



Diameter of working space: **1200 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	12 kg
Diameter of working space	1200 mm
Height of working space	300 (453) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	Yes
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	125 kg

\* Depends on the application and environmental conditions.

# DR4140C-AX012



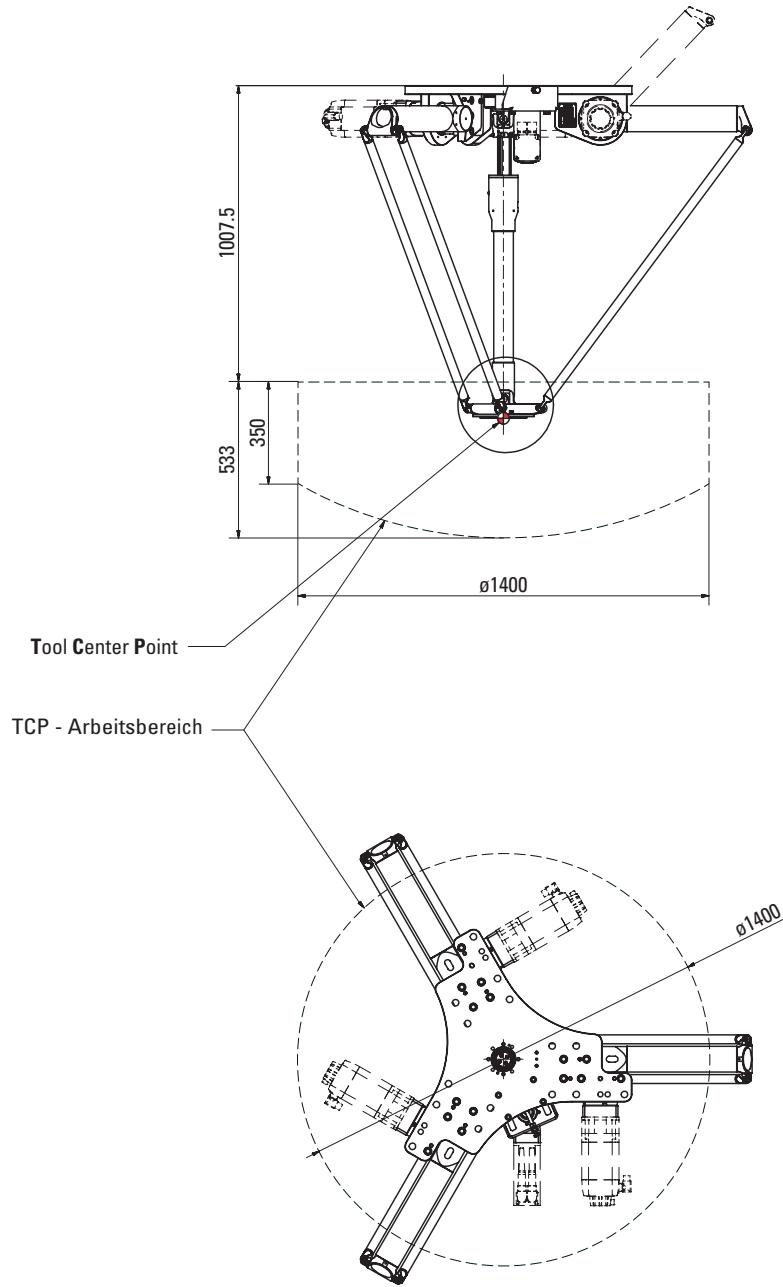
Nominal payload: **12 kg**



Diameter of working space: **1400 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	12 kg
Diameter of working space	1400 mm
Height of working space	350 (533) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	Yes
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	132 kg

\* Depends on the application and environmental conditions.

# DR4160C-AX12



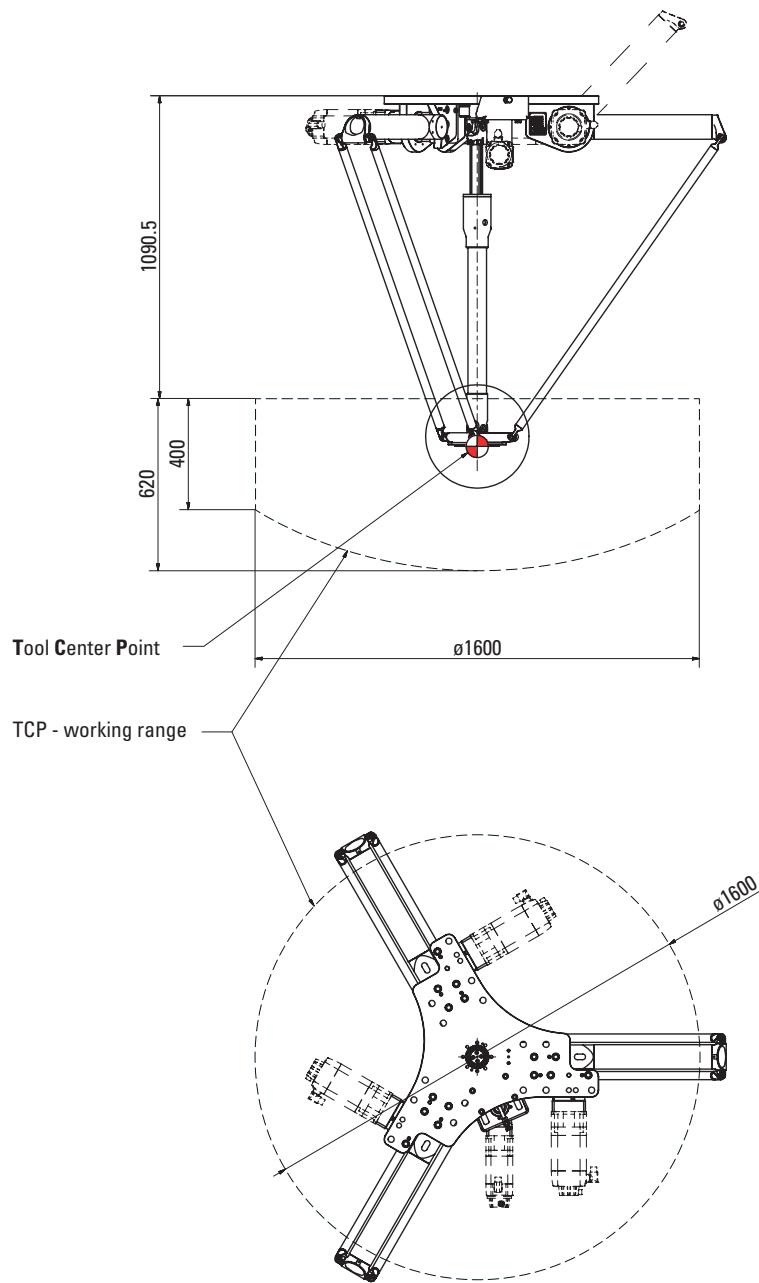
Nominal payload: **12 kg**



Diameter of working space: **1600 mm**



## DIMENSIONS



## TECHNICAL SPECIFICATIONS

Number of translational axes	3
Number of rotational axes	1
Nominal payload	12 kg
Diameter of working space	1600 mm
Height of working space	400 (620) mm

Repeat accuracy translatory	±0,05 mm*
Internal media supply 4th axis	Yes
Ambient temperature	0-40 °C
Relative humidity	20-80 %
Weight robot	134 kg

\* Depends on the application and environmental conditions.



INSPIRING PEOPLE **GREAT SOLUTIONS**

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