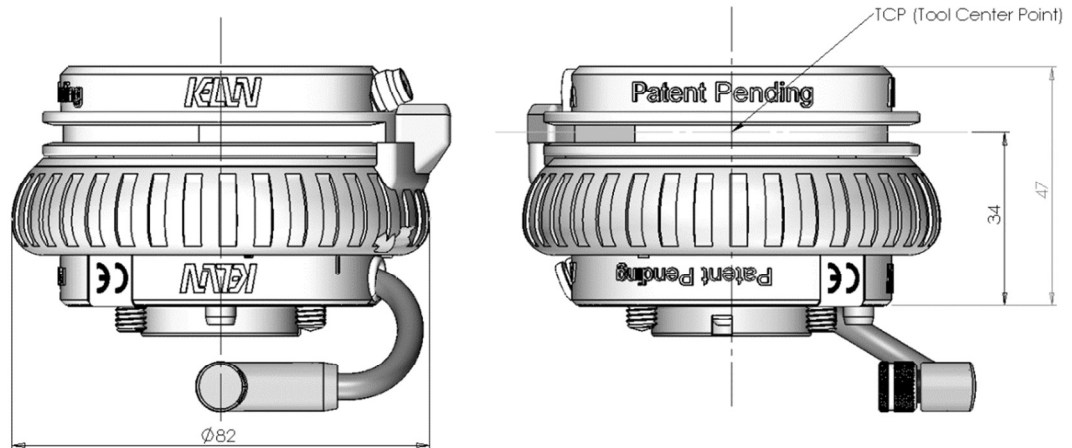


8 Technical Specifications

8.1 Mechanical Dimensions



Weight of a complete tool changer: 240 g

This weight is inclusive of the four M6x16 aluminum bolts, electric connector and pneumatic connector.

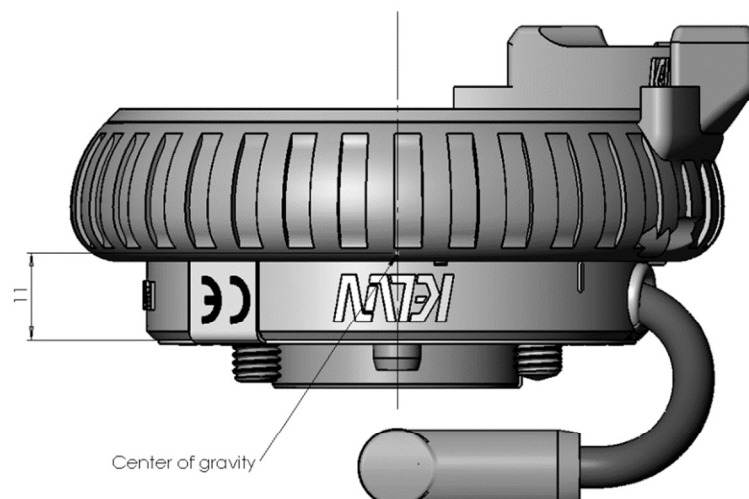
The tool changer will add 47 mm to the z-value for the position of a tool TCP. See chapter 5.12 for more information.

8.2 Master Plate

The weight of the master plate: 155 g

Inclusive of the four M6x16 aluminum socket head bolts for mounting.

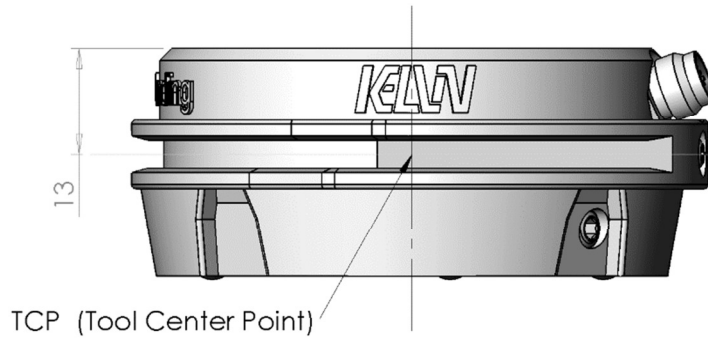
The center of gravity of the master plate is located 11 mm from the mounting flange.



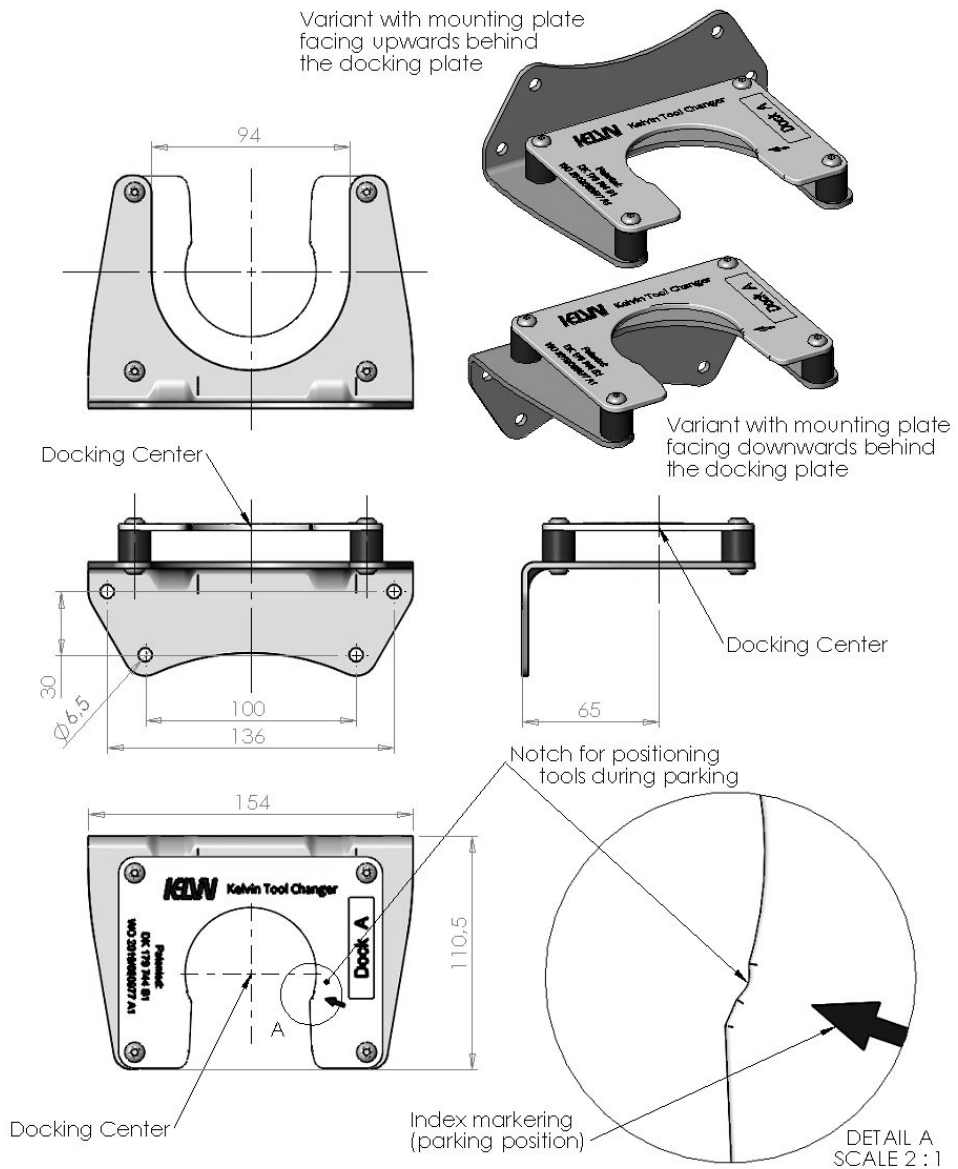
8.3 Tool Plate

Weight of the tool plate: 85 g (see chapter 5.12 for more information)

This is inclusive of electric and pneumatic connectors.



8.4 Docking Station

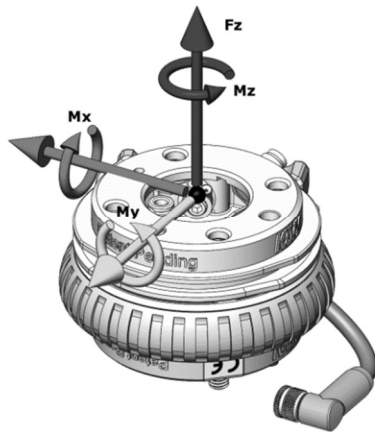


8.5 Load Capacity

The tool changer is only designed for lightweight operations. The three-point constraint in the coupler has a very high repeatability but will only be able to handle low torque loads in some directions.

In the most critical direction, the tool changer cannot support a torque higher than 4 Nm at the connection inside the tool changer.

The maximum loads are listed here:



Fz	50 N
Mx	4 Nm
My	4 Nm
Mz	4 Nm

8.6 Weight

Weight of the master plate (with 4 aluminum mounting screws)	155 g
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Weight of the tool plate (without mounting screws)	85 g
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Tool changer (without tool mounting screws)	240 g
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All weight values: $\pm 5\%$

8.7 Environment

Temperature limits:	5° to 40° C
Humidity (relative humidity):	20% to 80% non-condensing
IP class:	IP54