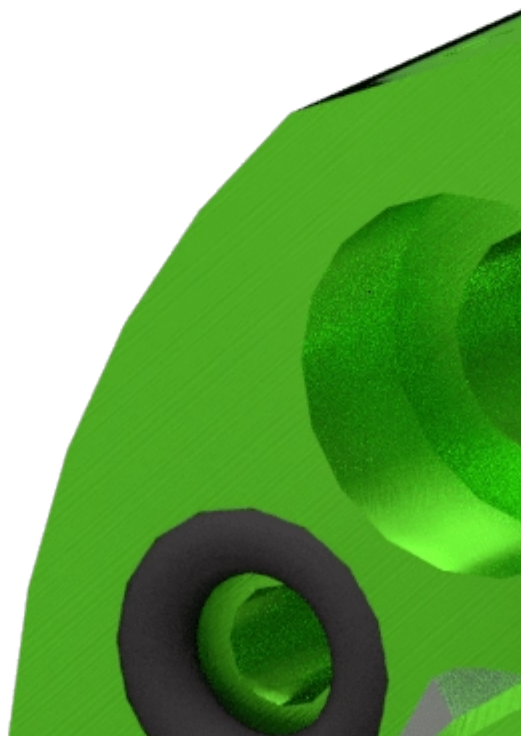


variables/V-color

## **Robot Tool Changers || Epsilon E31.5**







## Feature

	<b>Master Adaptor</b>	<b>Tool Adaptor</b>
<b>Reference</b>	ER31.5	ET31.5
<b>Payload</b>	10 kg	
<b>Moment - Mx, My</b>	52 Nm	
<b>Moment - Mz</b>	30 Nm	
<b>Size</b>	46x46x36 mm	46x46x36 mm
<b>Weight</b>	0.130 kg	0.130 kg
<b>Couple/uncouple port</b>	G1/8	n/a
<b>Repeatability - X, Y</b>	0.020 mm	
<b>Repeatability - Z</b>	0.020 mm	
<b>Maximum Axial Tensile Force (no damage if exceeded)</b>	934N @ 0 bar couple port input pressure	



## Operating conditions

**Operating temperature** 5-60°C

**Operating pressure** 6 bar  $\pm$ 1

**User pneumatic pressure** 6 bar  $\pm$ 1

**Epsilon exceptional lifting force for a small footprint**

The line was designed to be a comprehensive family of tool changers that cover the entire range of the current CXC, MXC and Sigma tool changers we already make (ranging from 10kg. to 1,500kg.)

This is a Tool Changer Evolution. Our cam design has stood the test of time and even with extensive research; we couldn't do anything better. In fact, we are so confident in our locking mechanism that we offer a lifetime guarantee on it. We also made sure to incorporate new market requirements and customer feedback to design these tool changers; that's why we extended the availability of couple/uncouple sensing and came up with a direct bolt design to limit the need of adaptor plates.



### Advantages

- High Strength Aluminum Alloy Body
- **Cam Locking Mechanism with :**
- Lifetime Guarantee
  - Self-Centering
  - Wear Compensating
  - Self-Cleaning
  - Positive Cam Retraction
- Optional Couple/Uncouple Sensing
- Optional Tool Present Sensing
- 8x G1/8 User Pneumatic Ports



### Benefits

- Maximul robot payload still available
- Reduced maintenance cost
- Minimized total cost of ownership
- Easier installation, less accessories costs



product  
engineering  
services

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**expertise in connectivity**