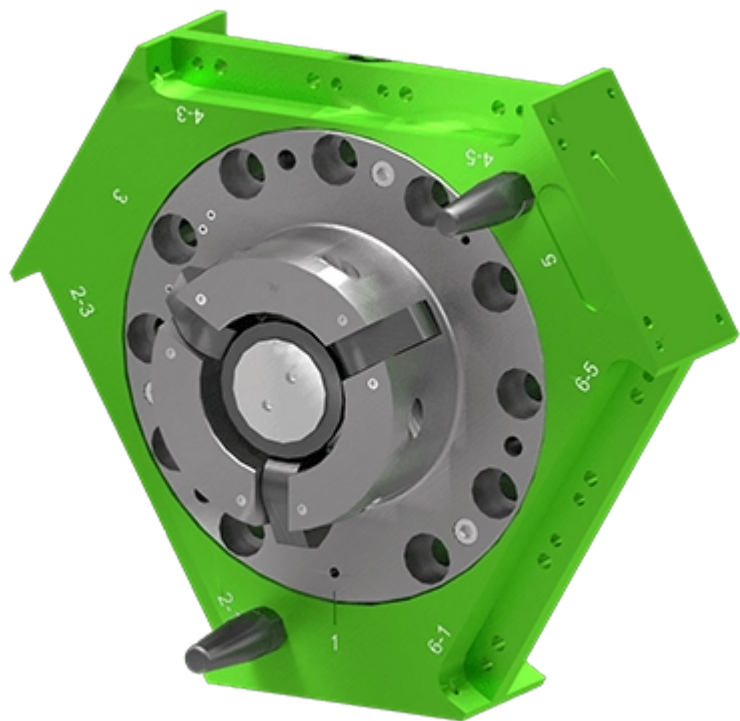


variables/V-color

# Robot Tool Changers | | Epsilon E160



## Feature

|           | Master Adaptor | Tool Adaptor |
|-----------|----------------|--------------|
| Reference | ER160          | ET160        |
| Payload   | 525 kg         |              |

|                                                            | <b>Master Adaptor</b>                      | <b>Tool Adaptor</b> |
|------------------------------------------------------------|--------------------------------------------|---------------------|
| <b>Moment - Mx, My</b>                                     | 3775 Nm                                    |                     |
| <b>Moment - Mz</b>                                         | 4 Nm                                       |                     |
| <b>Size</b>                                                | 242.9x280.5x120 mm                         | 242.9x280.5x120 mm  |
| <b>Weight</b>                                              | 13.890 kg                                  | 13.890 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> | 37.120N @ 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



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**expertise in connectivity**