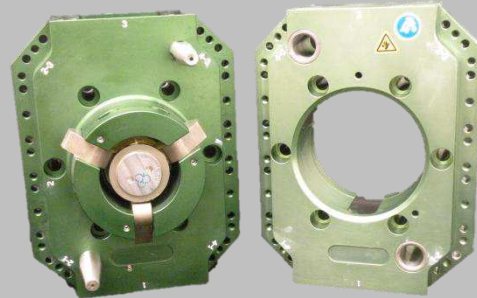


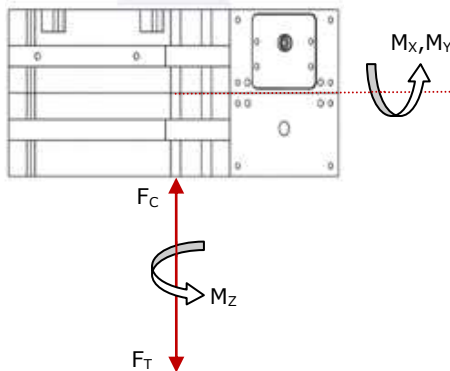
EPSILON TOOL CHANGER

ER125/ET125

Applied Robotics automatic tool changing technology allows for exchanging robotic end-of-arm tooling (EOAT) on the fly without shutting down production lines. Not only does this add efficiency to processes requiring frequent connection/disconnection of tooling and support utilities, but also reduces the probability of human errors introduced by manual connections.



SPECIFICATIONS



Mechanical

	METRIC	ENGLISH
Payload	350 Kg	770 lbs
Maximum Operating Moment (M_x, M_y)	2,576 Nm	22,800 in-lbs
Maximum E-Stop Moment (M_x, M_y)	4,817 Nm	42,631 in-lbs
Maximum Operating Torque (M_z)	4,180 Nm	36,995 in-lbs
Maximum E-Stop Torque (M_z)	5,110 Nm	45,225 in-lbs
Maximum Tensile Force (F_T)	24,754 N	5,565 lbs
Maximum Compressive Force (F_c)	127,998 N	28,775 lbs
Positional Repeatability (X, Y & Z)	+/- 0.02 mm	+/- 0.0008 in
Operating Temperature	5 - 60 °C	40 - 140 °F

Electrical/Pneumatic

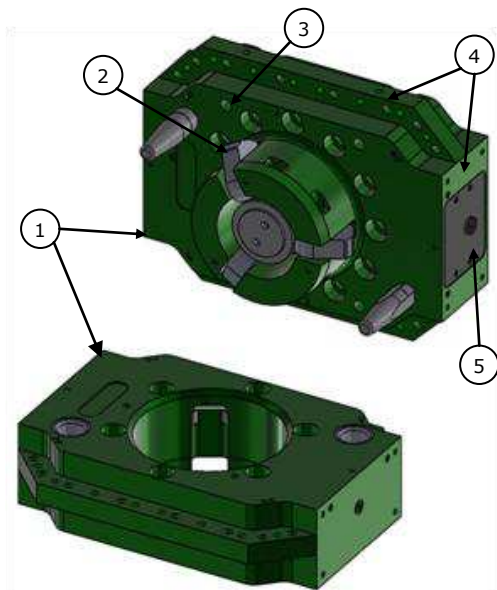
Supply Pressure	5 - 7 bar	72 - 101 psi
Couple/Uncouple Sensing Voltage	22 - 28 Vdc	22 - 28 Vdc

Features & Benefits

- 1) High Strength Aluminum Alloy Body
- 2) Cam Locking Mechanism with **Lifetime Guarantee**
 - o Self-Centering
 - o Wear Compensating
 - o Self-Cleaning
 - o Positive Cam Retraction
 - o Mechanical Locking (Loss of Air)
- 3) Optional Tool present
- 4) Flexible Utility Options
- 5) Couple/Uncouple Sensing with Pressure Detection

Optional Utilities

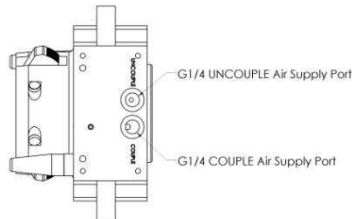
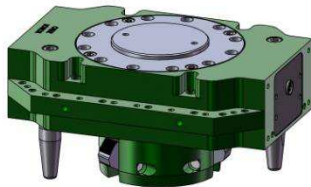
- Couple/Uncouple Valve Module (w/ Tool Stand Monitoring)
- Safety Control Module (SCM)
- Pneumatic Passthru
- Coolant Passthru
- I/O Communication (Discrete, DeviceNet, EIP, PROFINET IO, etc.)
- Servo (Power & Encoder/Resolver)
- High Power (Weld Power)



PRODUCT INFORMATION

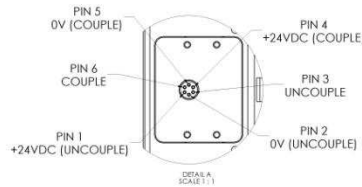
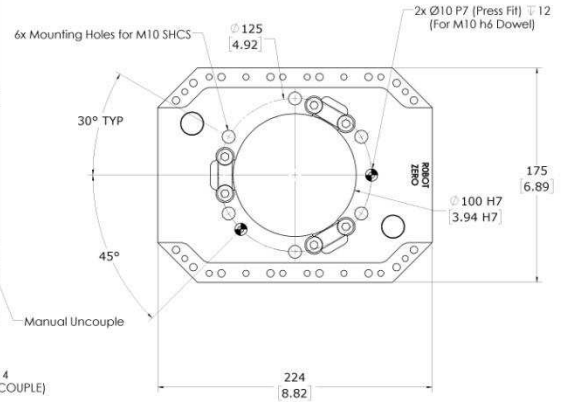
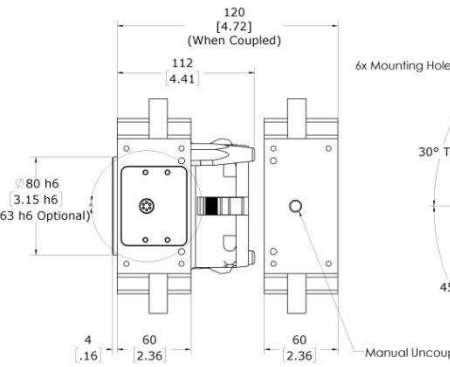
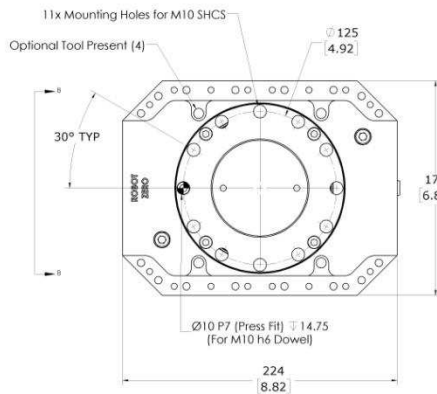
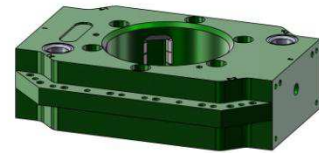
ROBOT ADAPTOR

ROBOT ADAPTOR WEIGHT: 5.53 kg [12.17 lbs]

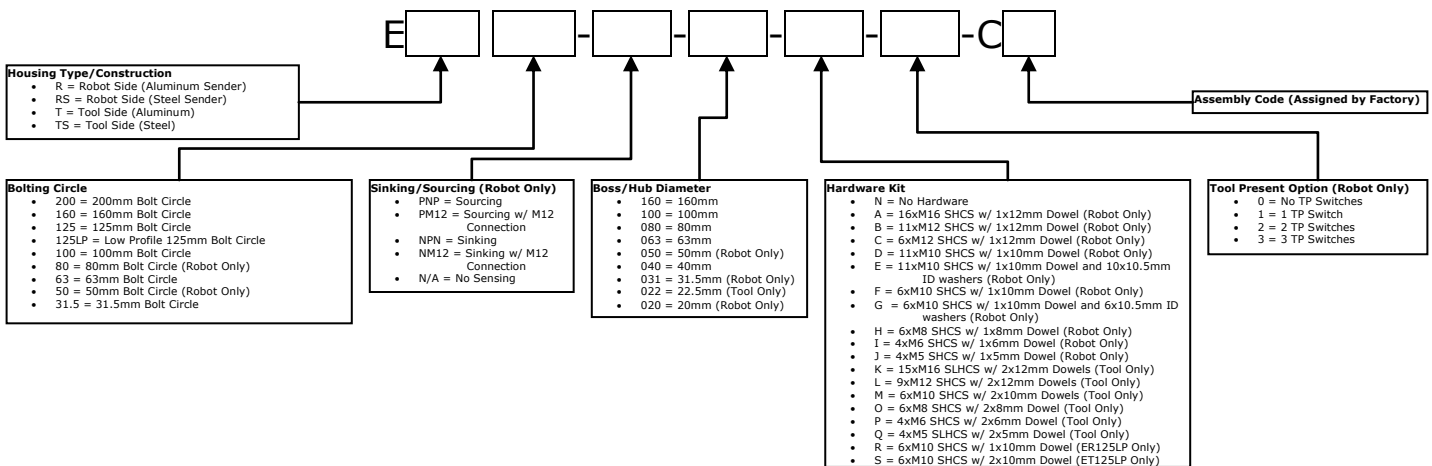


TOOL ADAPTOR

TOOL ADAPTOR WEIGHT: 3.69 kg [8.12 lbs]



PRODUCT DESCRIPTION



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