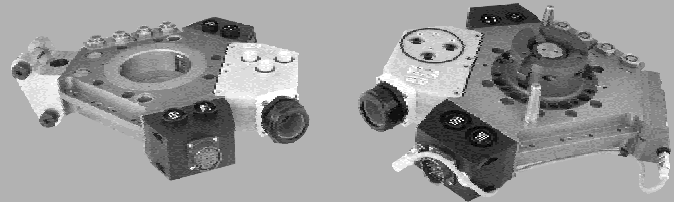


Steel Sigma 8.1

Heavy-duty modular tool changers

With a payload capacity of 800kg, the Steel Sigma 8.1 brings greater modularity and exceptional strength to the heaviest jobs in factory production in.



Features and Benefits

- Highest payload capacity of 800kg
- Unique six-sided design accommodates more utilities
- A Steel Sigma 8.1, Sigma 5.1 and Sigma 3.1 common profile provides modularity and allows for interchangeability of utility modules
- Low profile reduces inertial forces
- Supports wide variety of bus communication systems

Applications

- Spot welding
- Material handling
- Machine loading/unloading
- Mold changing
- Docking systems
- Pallet coupling systems
- Pick and place operations
- Press transfer

Not exactly what your application requires? Applied Robotics can design a solution that meets your particular application needs.

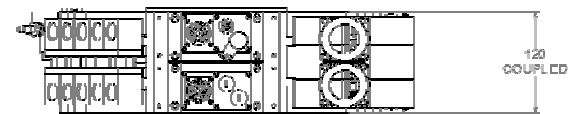
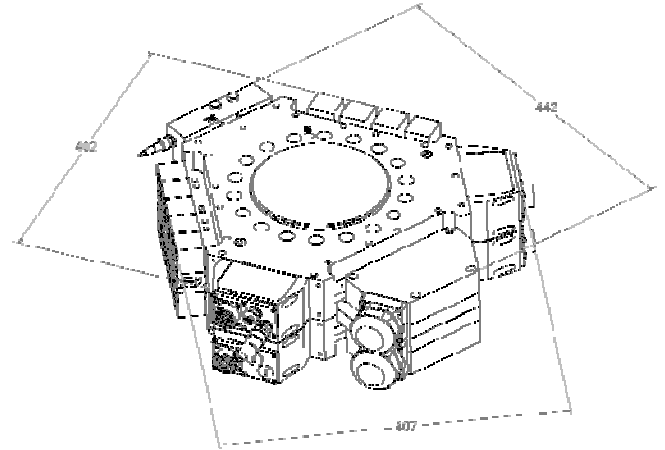
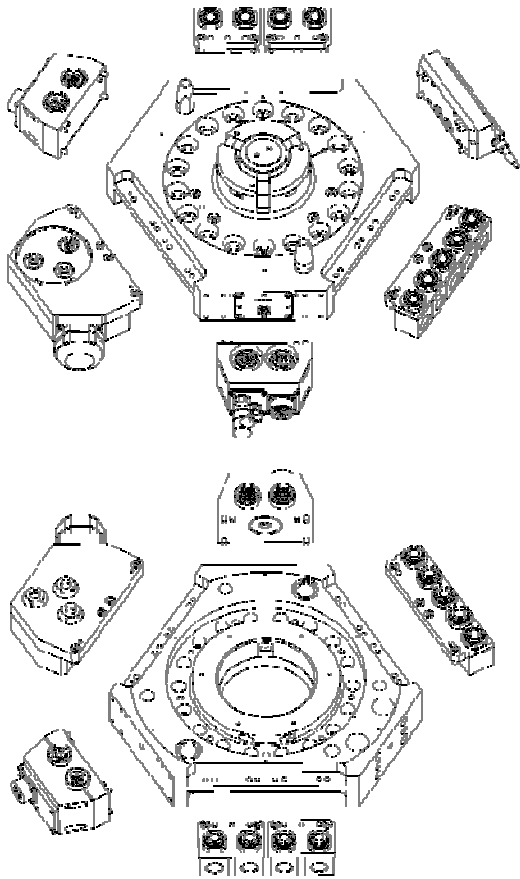
SPECIFICATIONS

Description	Robot Adaptor	Tool Adaptor
Payload	800 kg	
Moment – Mx, My	7,796 Nm	
Moment – Mz	7,796 Nm	
Height	60 mm	60 mm
Width x Length	310 mm x 358 mm	
Weight	21.18 kg	11.84 kg
Couple/Uncouple Port	1/4 BSPP	na
Couple Status Sensor	Couple/Uncouple	na
Repeatability – X,Y	+/- 0.02 mm	
Repeatability – Z	+/- 0.013 mm	
Operating Temp.	5 – 60 Deg C	
Operating Pressure	6 bar +/- 1	

Note: Specifications provided are maximum recommended limits under static conditions. For correct product sizing, consideration must be given to all applicable dynamic forces, including manipulator inertia, tooling configuration and external process forces.

Note: For correct product sizing, please contact our Tech Support staff at techsupport@appliedrobotics.com or via telephone at (800)309-3475 in NY or in MI at (248)358-3677.

Engineering Data



648 Saratoga Road
Glenville, NY 12302 USA
518 384 1000 tel
518 384 1200 fax

540 N. Lapeer Road, #365
Orion Township, MI 48362 USA
248 358 3677 tel
248 358 2654 fax

Applied Robotics Europe
Via Roma 141/143
28017 San Maurizio d'Opaglio
(NO) - Italy
+39 0322 96593 tel
39 0322 950686 fax

www.arobotics.com

