

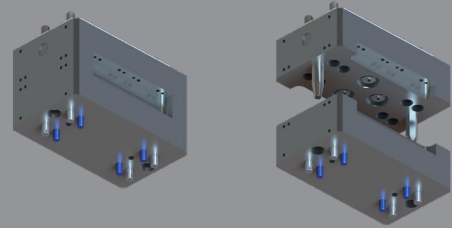
Docking System

Non- Compliant and Compliant

Docking System is utilized in applications where utilities are needed to swiftly connect and disconnect.

Advantages:

- Flexible Utility Options
 - o Compatible with **XCHANGE®** Utility Modules
- Compliant Versions Available
 - o Angular
 - o Planar
 - o Angular and Planar



SPECIFICATIONS

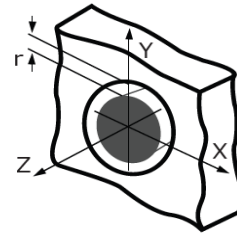
Model	Adaptor Side	Compliance Type	Angular Compliance	Planar, Diametric Compliance	Rotational repeatability	Weight*
			deg	mm (in)	deg	kg (lb)
DM-M-SM-NC-A0000	Robot	Non-Compliant	N/A	N/A	±0.01	6.37 (14.04)
DM-M-SM-A-A0000	Robot	Angular	3	N/A	±0.01	7.17 (15.81)
DM-M-SM-XY-A0000	Robot	Planar	N/A	4 (0.16)	±0.01	7.17 (15.81)
DM-M-SM-AXY-A0000	Robot	Angular and Planar	3	4 (0.16)	±0.01	7.17 (15.81)
DM-T-SM-A0000**	Tool	Non-Compliant	N/A	N/A	±0.01	4.93 (10.89)

* Weight may vary depending on specific configuration

** Tool side adaptor can be used with any robot side adaptor

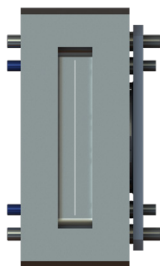
Operating temperature **5 - 60°C (40 - 140°F)**

Noise emissions (sound pressure) **≤ 70 dB(A) in each direction**

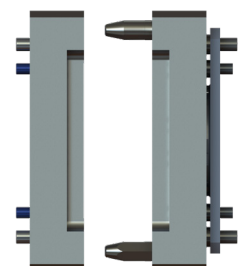


Radial Compliance = $r = 2\text{mm}$ (0.08in)
Diametric = $\varnothing = 2 * r = 4\text{mm}$ (0.16in)

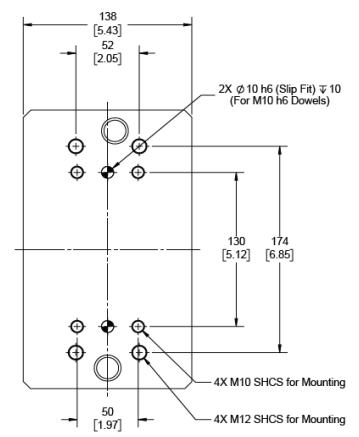
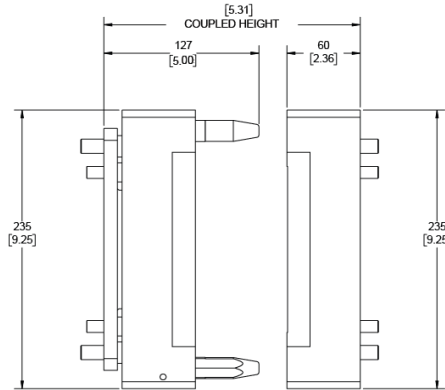
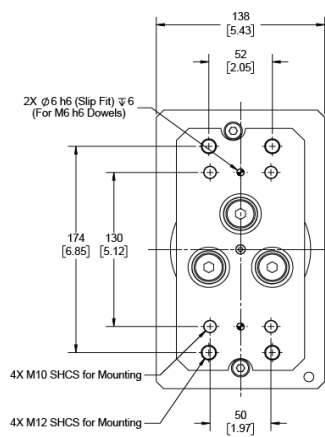
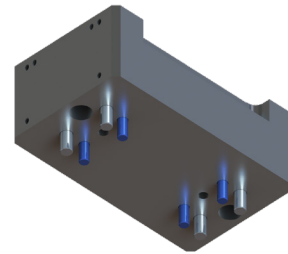
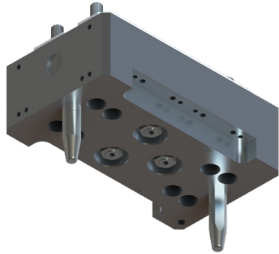
Product Summary



Effecto Docking System allows for the exchanging of utilities on the fly without shutting down the production lines. Not only does this add efficiency to processes requiring frequent connection/disconnection of support utilities, but also reduces the probability of human error introduced by manual connections.

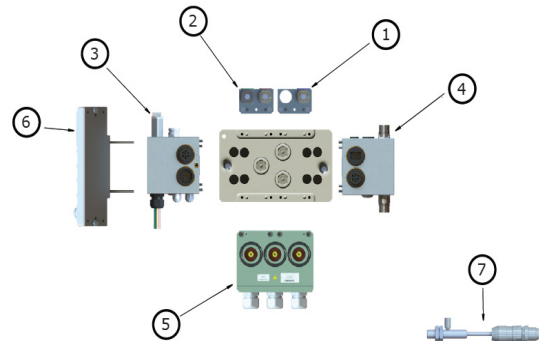


PRODUCT INFORMATION



Optional Utilities

- 1.) Pneumatic Passthru
- 2.) Coolant Passthru
- 3.) I/O Communication (discrete, DeviceNet, Ethernet/IP, Profinet, etc.)
- 4.) Servo (Power and Encoder/Resolver)
- 5.) High Power (Weld Power)
- 6.) I/O Block
- 7.) Tool Present Kit



*Dimensions are in millimeters (inches)

**Mounting hardware for Robot side and Tool side: M10 and M12 included. Only one set is needed for mounting. Locating dowels are not included.



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