

D120 COMPLIANCE DEVICE | P/N: 88001153

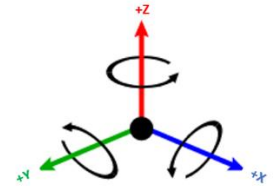
Summary

The D120 Compliance Device is an accessory to the D120 (sold separately). The compliance device simplifies setup for the D120 by compensating for part variation and can be used for flat and near flat contact, NOT for extreme deviation (round parts). Consider units with customizable pole geometries in these scenarios instead. Angular compliance is allowed on the X and Y axes as well as vertical compression and rotation about the Z axis. The additional flexibility also improves handling of sagging sheets ensuring the maximum performance in each application. It also imparts a dampening effect against accelerations.



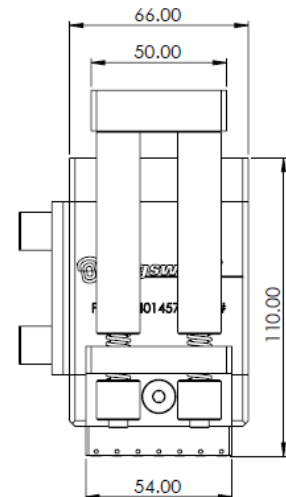
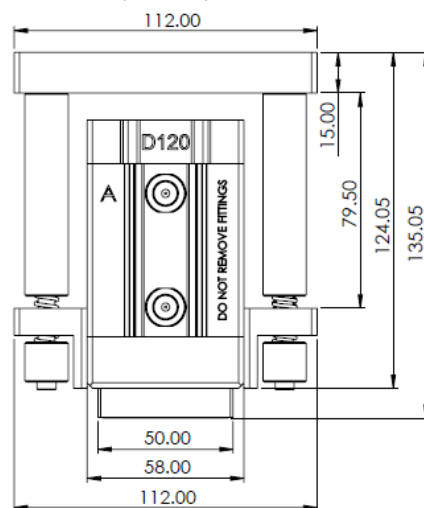
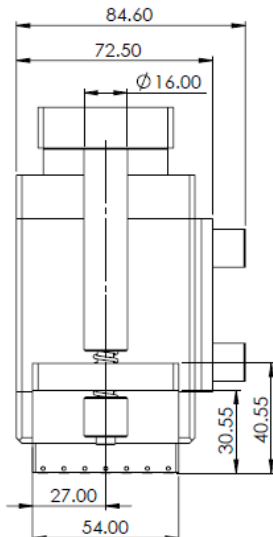
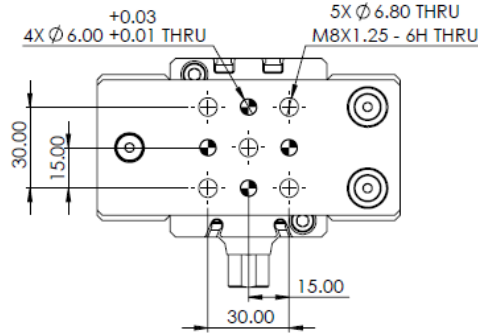
Specifications

Net Weight (Compliance Device Only)	1.05 lb	0.48 kg
Pitch Forward/Backward (X-axis)	+/-9°	
Roll Left/Right (Y-axis)	+/-5°	
Yaw Clockwise/Counterclockwise (Z-axis)	+/- 0.08° (negligible when using multiple tools)	
Z-axis Compression/Extension	+/-5mm	
X-axis or Y-axis Compression/Extension	Negligible Movement	
Dimensions (Compliance Device Only)	112mm x 54mm x 125.05mm	



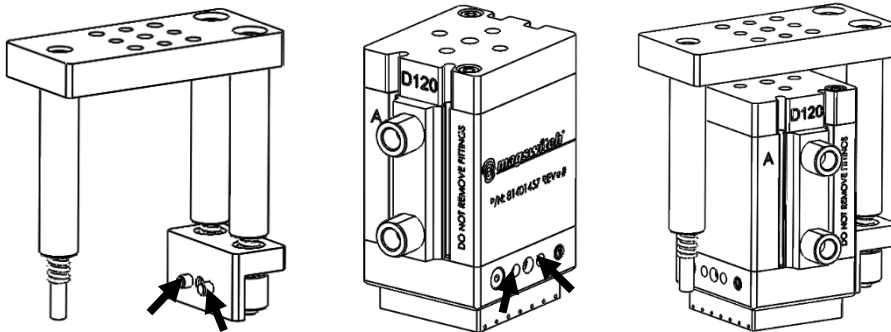
Compatible Tool Available:

D120 (sold separately)	81401457
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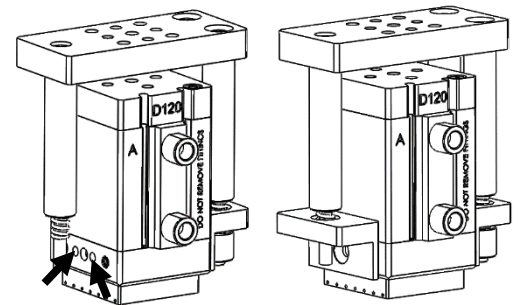


Installation Instructions

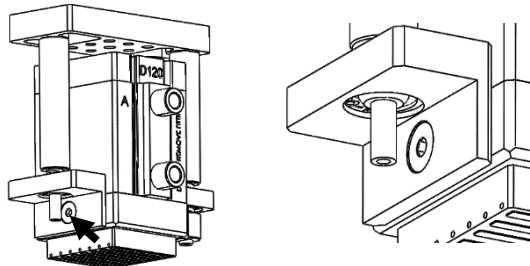
- Actuate the D120 tool to the OFF state.
- Remove the D120 tool from preexisting mounting surfaces as required to expose top and side surfaces of the tool. Ensure dowel and fastener holes are clean. Confirm the side surfaces of the tool is flat and smooth.
- Align Compliance Device bracket with fastener pattern on D120 (the side with Magswitch engraving) as shown and insert dowels until the bracket is flush with side of D120.



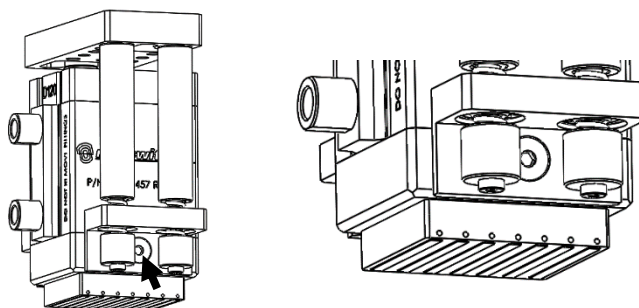
- Install the other bracket from the bottom of Compliance Device post on the other side of D120. The bracket was pre-installed with swivel joint, shim, retaining ring and two dowel pins. Adjust the position of the bracket and align the dowel pins with the dowel holes on the side of D120 without Magswitch engraving. Insert dowels until the bracket is flush against D120.



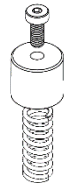
- Apply Loctite 222 on the thread of both flat head fasteners. Thread one fastener through the bracket into the threaded bore on the side of D120 without Magswitch engraving. Do not tighten the fastener for now.



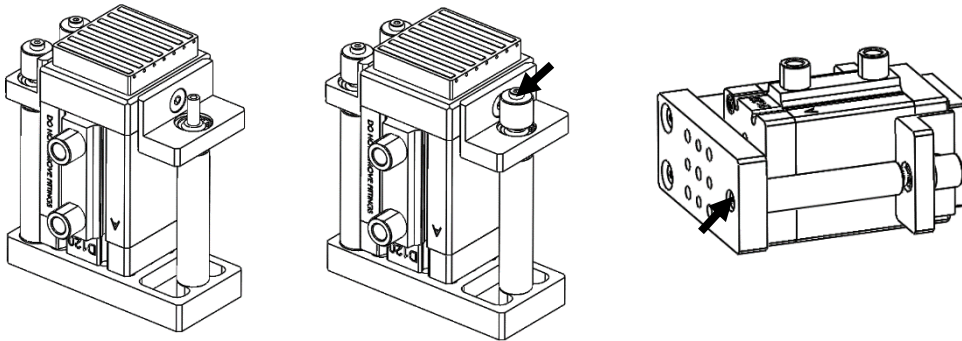
- Thread the other fastener through the bracket into the threaded bore on the side of D120 with Magswitch engraving. Torque the fastener to 5Nm. Turn the tool to the other side and also torque the other fastener to 5Nm.



- Insert the spring into the pocket of the black spring stop holder. Apply Loctite 222 on the thread of M4 low profile socket head screw and then insert it into the hole of the spring holder.



- Flip the D120 tool upside down. Thread the M4 fastener through the spring holder and spring into the threaded bore on the bottom of post. Hold the top fastener with a hex key and torque the bottom M4 screw to 1Nm.



- The installation of D120 Compliance Device is complete. There should be no visible gaps between the D120 tool and both brackets of the Compliance Device.

