

Building a Flush Puck assembly (1002573)

Parts

- Main parts

Description	Item
Flush Puck Holder - Base	Drawing 1002573-001
Flush Puck Holder - Top	Drawing 1002573-002
Flush Puck Holder - Arm	Drawing 1002573-003
Flush Puck Holder - Lifter	Drawing 1002573-004
Flush Puck	Drawing 1002573-005
Threaded Spring Holder	SAIPO3-25 (MISUMI)
Spring	Misumi AUY3-10
Linear Slide Track	BWU12-20 (IKO)
SS Ball bearing, 0.250"	

- Small parts

Qty	Size	Item
4	M3	Hex Nut, 316 SS
4	M3	Flat Washer, 316 SS
2	M2 x 5	Socket Head Cap Screw
2	M2	Spring Lock Washer
2	M2 x 3	Pan Head Screw
1	0.125 x 0.375	Dowel Pin
1	#4-40 x 5/8"	Socket Head Cap Screw
1	#4-40 x 3/4"	Socket Head Cap Screw
2	#4	Spring Lock Washer

Tools

- 2 - Open-end wrenches, 5.5mm
- #2 Phillips head screwdriver
- Hex keys—sizes:

3/32"
1.5 mm

Assembly

1. Using the two (2) M2 x 3 Pan Head screws, attach the Arm to the Linear Slide.



2. Insert the 0.250" Ball and Flush Puck Lifter into the Flush Puck Base.



3. Using the two (2) M2 x 5 Socket Head Cap Screws with Spring Lock Washers, Attach the other side of the Linear Slide to the Flush Puck Holder - Base.



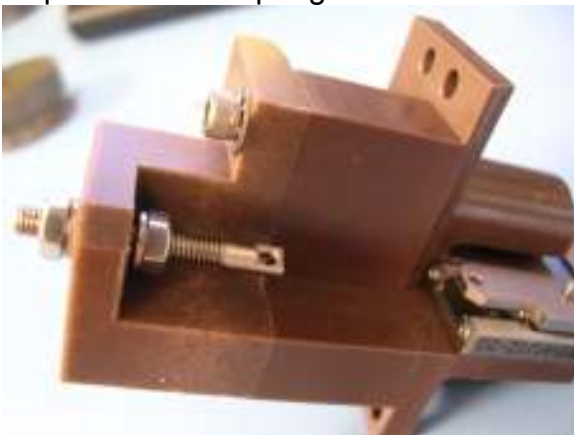
4. Press the 1/8" x 3/8" Dowel pin into the Flush Puck Holder – Base.



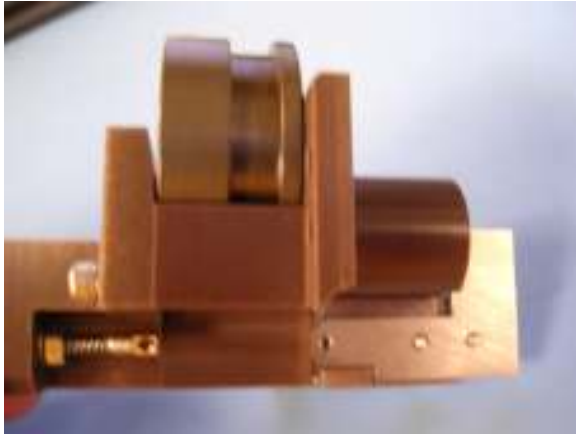
5. Attach the Spring Holder to the Flush Puck Holder Top using two (2) M3 Hex Nuts and two (2) M3 Flat washers.



6. Attach the Flush puck Top to the Flush puck Base using one (1) #4-40 x 3/4" Socket Head Cap Screw with Spring Lock Washer and one (1) #4-40 x 5/8" Socket Head Cap Screw with Spring Lock Washer.



7. Insert the Flush Puck into the Flush Puck Holder Assembly.



8. Install the spring and adjust the tension on the spring so that the Flush puck is both held securely and can be easily removed by the manipulator.