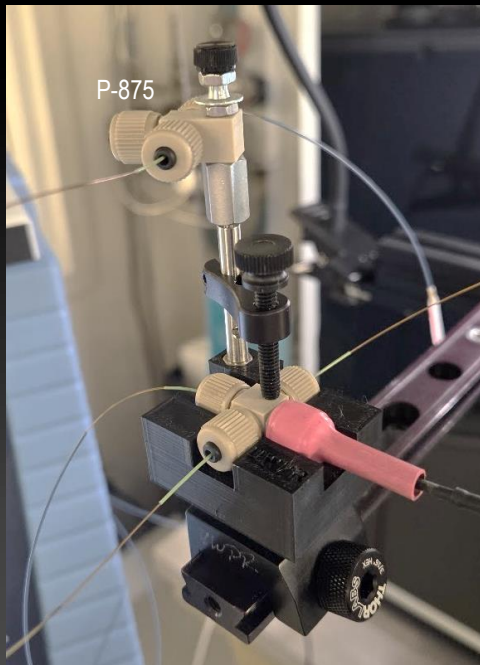


NSI Source: 3-D printed carriers (MicroCross)

When using stainless steel crosses or tees there is the potential for the high voltage to arc. To minimize that risk, we use 3D printed carriers, using PETG filament to print the carrier.



P-875



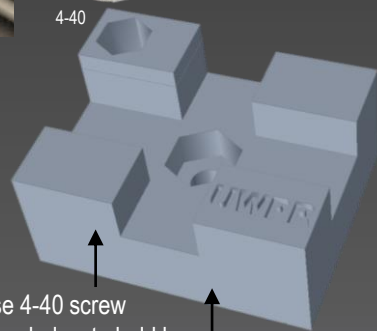
Optional, to hold PEEK tee with mounting hole, use 4-40 screw
18-8 Stainless Steel Female Hex Thread Adapter,
4-40 to 6-32 Thread Size (98434A102, McMaster)

Nylon Raised-Head Thumb Screws 8-32 Thread Size,
1" Long, black (94323A598, McMaster)

Small Adjustable Clamping Arm,
6-32 threaded Post (PM3, Thorlabs)

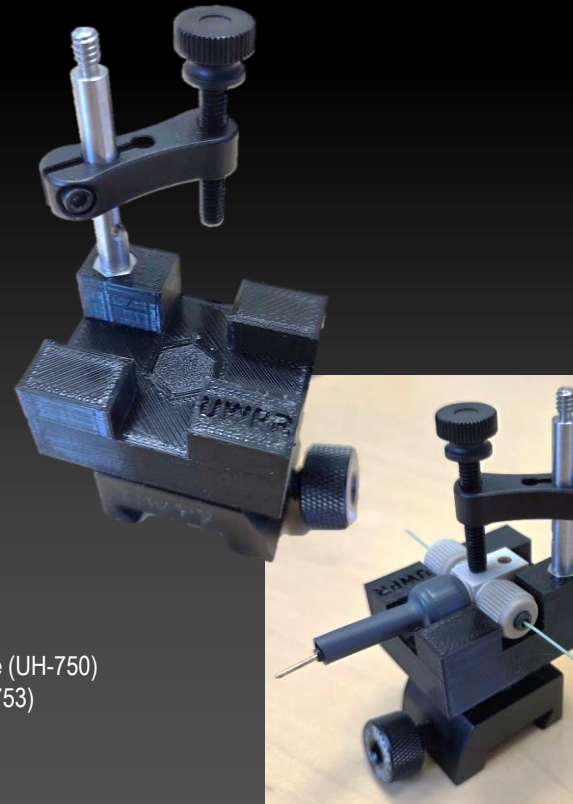
18-8 Stainless Steel Male-Female Hex Thread Adapter, 6-32
to 4-40 Thread Size (92499A037 McMaster)

3D printed carrier for
IDEX PEEK cross (P-777) or PEEK tee (P-875)
IDEX stainless steel VHP cross (UH-752) or tee (UH-750)
IDEX VHP adapter cross (UH-906) or tee (UH-753)



use 4-40 screw
from below to hold hex
thread adapter

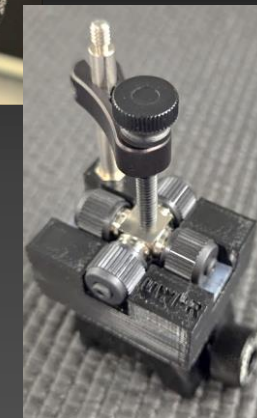
use 8-32 screw and hex nut
to mount the 3D printed carrier
to the RC1 rail carrier



Carrier with P-875



Carrier with UH-753

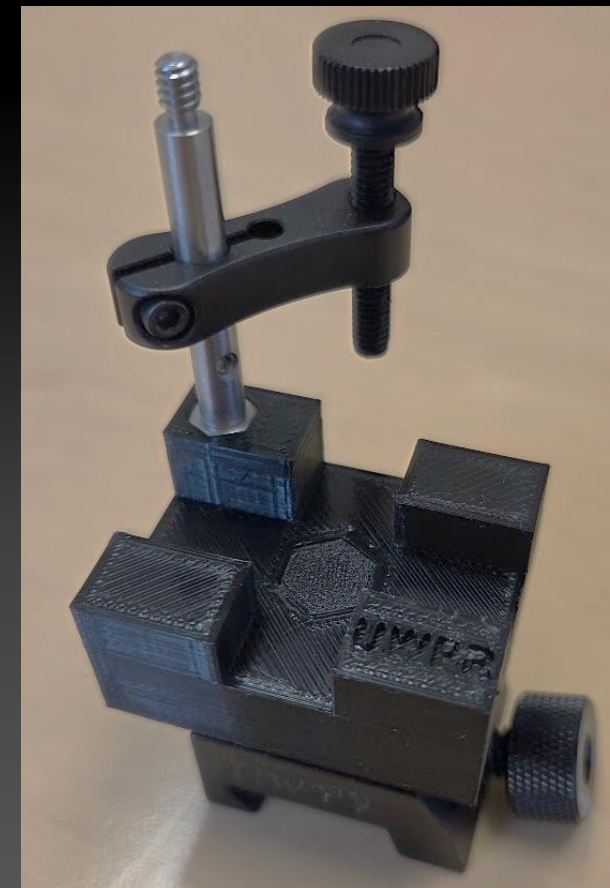
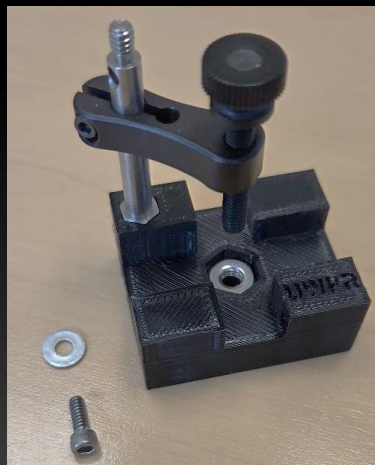
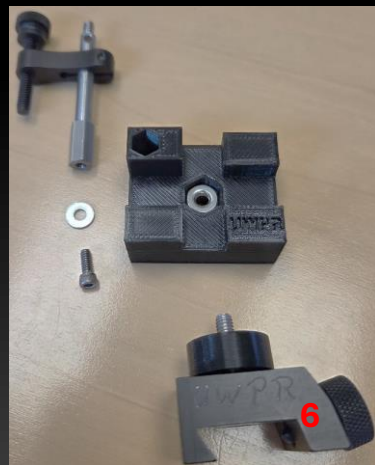
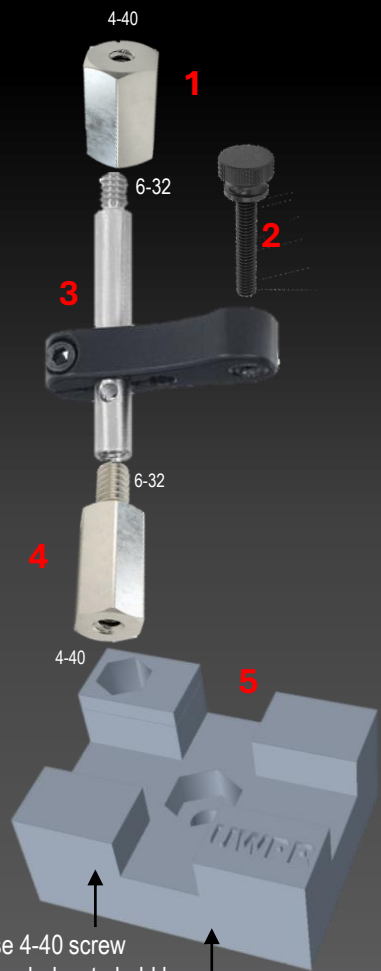


Carrier with UH-752

- 98434A102 18-8 Stainless Steel Female Hex Thread Adapter, 4-40 to 6-32 Thread Size (McMasterCarr)
- 94323A598 Nylon Raised-Head Thumb Screws 8-32 Thread Size, 1" Long, black (McMasterCarr)
- PM3 Small Adjustable Clamping Arm, 6-32 threaded Post (Thorlabs)
- 92499A037 18-8 Stainless Steel Male-Female Hex Thread Adapter, 6-32 to 4-40 Thread Size (McMasterCarr)
- 3D printed carrier for IDEX PEEK cross (P777) or PEEK tee (see separate files to print this carrier)
- RC1 Rail Carrier, Counterbored Hole 1"x 1" (Thorlabs)

NSI Source: 3-D printed carriers (MicroCross)

When using stainless steel crosses or tees there is the potential for the high voltage to arc. To minimize that risk, we use 3D printed carriers, using PETG filament to print the carrier.



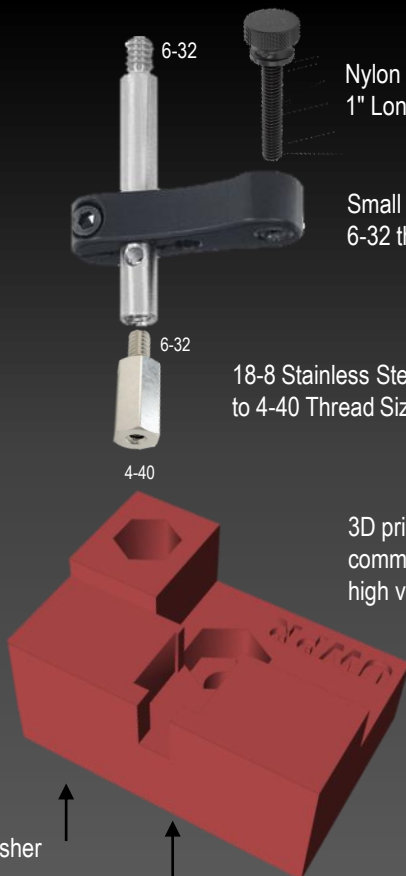
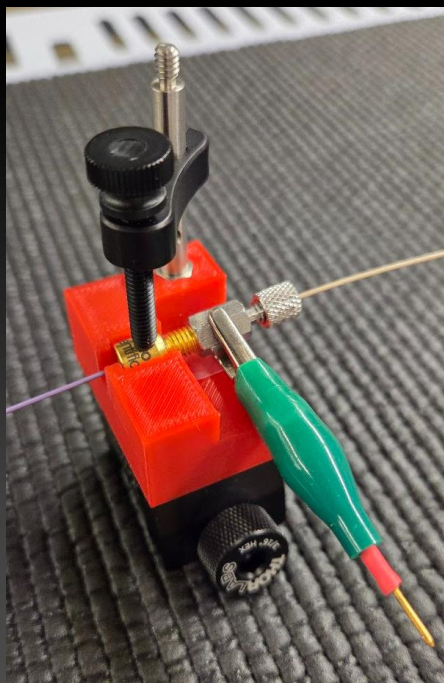
use 4-40 screw from below to hold hex thread adapter

use 8-32 screw and hex nut to mount the 3D printed carrier to the RC1 rail carrier

- 1 98434A102 18-8 Stainless Steel Female Hex Thread Adapter, 4-40 to 6-32 Thread Size (McMasterCarr)
- 2 94323A598 Nylon Raised-Head Thumb Screws 8-32 Thread Size, 1" Long, black (McMasterCarr)
- 3 PM3 Small Adjustable Clamping Arm, 6-32 threaded Post (Thorlabs)
- 4 92499A037 18-8 Stainless Steel Male-Female Hex Thread Adapter, 6-32 to 4-40 Thread Size (McMasterCarr)
- 5 3D printed carrier for Idex PEEK cross (P777) or PEEK tee (see separate files to print this carrier)
- 6 RC1 Rail Carrier, Counterbored Hole 1"x 1" (Thorlabs)

NSI Source: 3-D printed carriers (nanoViperUnion)

When using stainless steel crosses or tees there is the potential for the high voltage to arc. To minimize that risk, we use 3D printed carriers, using PETG filament to print the carrier.



Nylon Raised-Head Thumb Screws 8-32 Thread Size, 1" Long, black (94323A598, McMaster)

Small Adjustable Clamping Arm, 6-32 threaded Post (PM3, Thorlabs)

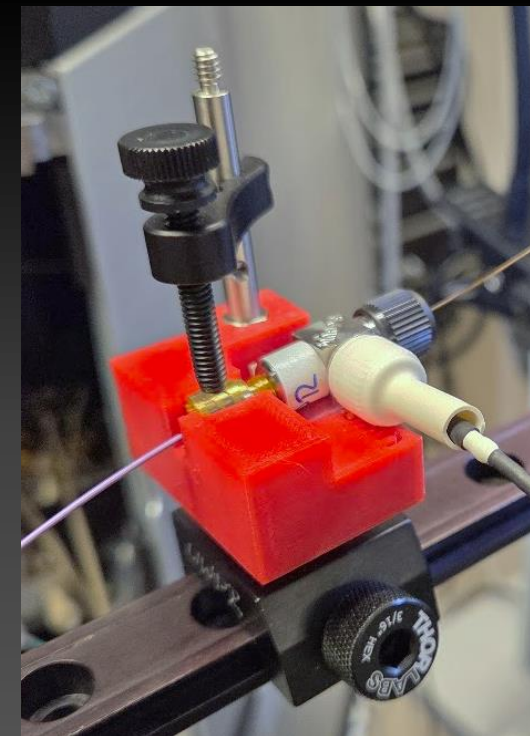
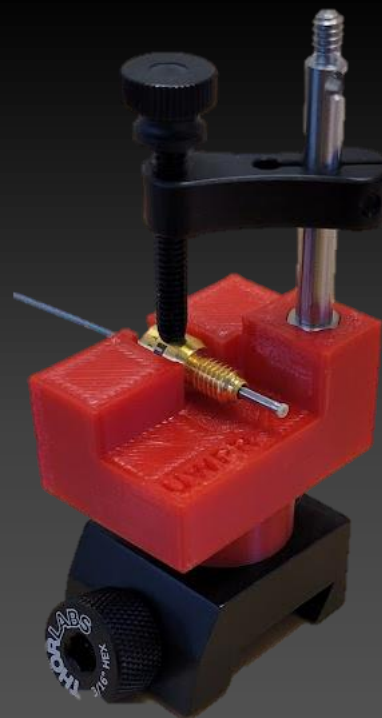
18-8 Stainless Steel Male-Female Hex Thread Adapter, 6-32 to 4-40 Thread Size (92499A037 McMaster)

3D printed carrier for nano viper line connected to commercial column via a female union and high voltage applied using an alligator clip

Carrier with nano viper line connected to commercial column with a female union with an alligator clip high voltage lead

use 4-40 screw and washer from below to hold hex thread adapter

use 8-32 screw and hex nut to mount the 3D printed carrier to the RC1 rail carrier



- | | | |
|---|---|----------------|
| 94323A598 | Nylon Raised-Head Thumb Screws 8-32 Thread Size, 1" Long, black | (McMasterCarr) |
| PM3 | Small Adjustable Clamping Arm, 6-32 threaded Post | (Thorlabs) |
| 92499A037 | 18-8 Stainless Steel Male-Female Hex Thread Adapter, 6-32 to 4-40 Thread Size | (McMasterCarr) |
| 3D printed carrier for Idex PEEK cross (P777) or PEEK tee (see separate files to print this carrier) | | |
| RC1 | Rail Carrier, Counterbored Hole 1"x 1" | (Thorlabs) |