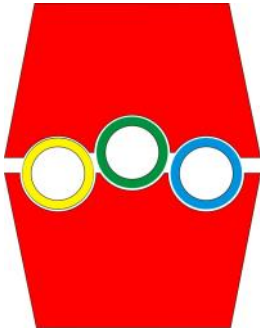


1. Choose Your Belt Sizing and Configuration

Tornado Conversion for 3 X 10 mm Micro Duct Kit P/N 89353



P/N Description

89177 Upper Drive Belt (QTY 1)
89180 Lower Drive Belt (QTY 1)
89186 Infeed Guide Collet (QTY 1)
89183 Venturi Collet (QTY 1)
89596 Venturi Collet Plug 10mm (QTY 2)
89571 Pressurization Connector 10mm OD (QTY 3)
89632 Microduct Plug 10mm OD (QTY 3)
See page 4 for additional accessories



Tornado Conversion for 5 X 10 mm Micro Duct Kit P/N 89354



P/N Description

89180 Upper and Lower Drive Belt (QTY 2)
89187 Infeed Guide Collet (QTY 1)
89182 Venturi Collet (QTY 1)
89137 Tube Guide (Replaces Roller on "Infeed" Side QTY 1)
89596 Venturi Collet Plug 10mm (QTY 4)
89571 Pressurization Connector 10mm OD (QTY 5)
89632 Microduct Plug 10mm OD (QTY 5)
See page 3 for additional accessories



Tornado Conversion for 3 X 12 mm Micro Duct Kit P/N 89355



P/N Description

89169 Upper and Lower Drive Belt (QTY 2)
89188 Infeed Guide Collet (QTY 1)
89184 Venturi Collet (QTY 1)
89137 Tube Guide (Replaces Roller on "Infeed" Side QTY 1)
89597 Venturi Collet Plug 12mm (QTY 2)
89572 Pressurization Connector 12mm OD (QTY 3)
89634 Microduct Plug 12mm OD (QTY 3)
See page 4 for additional accessories



Tornado Conversion for 4 X 12 mm Micro Duct Kit P/N 89356



P/N Description

- 89193 Upper and Lower Drive Belt (QTY 2)
- 89189 Infeed Guide Collet (QTY 1)
- 89185 Venturi Collet (QTY 1)
- 89137 Tube Guide (Replaces Roller on "Infeed" Side QTY 1)
- 89597 Venturi Collet Plug 12mm (QTY 3)
- 89572 Pressurization Connector 12mm OD (QTY 4)
- 89634 Microduct Plug 12mm OD (QTY 4)
- See page 4 for additional accessories*



Tornado Conversion for 3 X 12.7 mm Micro Duct Kit P/N 89357



P/N Description

- 89169 Upper and Lower Drive Belt (QTY 2)
- 89165 Infeed Guide Collet (QTY 1)
- 89160 Venturi Collet (QTY 1)
- 89070 Tube Guide (Replaces Roller on "Infeed" Side QTY 1)
- 89569 Venturi Collet Plug 12.7mm (QTY 2)
- 89573 Pressurization Connector 12.7mm OD (QTY 3)
- 89635 Microduct Plug 12.7mm OD (QTY 3)
- See page 4 for additional accessories*



Tornado Conversion for 4 X 12.7 mm Micro Duct Kit P/N 89358



P/N Description

- 89193 Upper and Lower Drive Belt (QTY 2)
- 89166 Infeed Guide Collet (QTY 1)
- 89161 Venturi Collet (QTY 1)
- 89137 Tube Guide (Replaces Roller on "Infeed" Side QTY 1)
- 89569 Venturi Collet Plug 12.7mm (QTY 3)
- 89573 Pressurization Connector 12.7mm OD (QTY 4)
- 89635 Microduct Plug 12.7mm OD (QTY 4)
- See page 4 for additional accessories*



1. Hydraulic Power Needed to Install fiber

Option A: Keep Existing Motors on Tornado (Will Limit Pushing Force 150LB)
Option B: Upgrade to 500cc Motors and Hydraulic Adapter Kit for up to 300LB Pushing Force



P/N	Description
89119	50 CC Motor (2 Needed for Conversion)



P/N	Description
89176	Hydraulic Adapter Kit

2. Pressurization Kit Needed to Install fiber



P/N	Description
89625	Microduct Pressurization Kit w/ One Hose and Air Chuck



P/N	Description
89654	2" Tube Blowing Pressure Gauge - Quick Disconnect Fitting

Optional gage to check and vent Tube Pressure to 100-150 PSI

3. If Blowing Into 1 1/4' Duct, 5ft Duct 2' w/ transition coupler is required*



P/N	Description
89069	2' - 1 1/4" Transition adapter

GMP TORNADO TUBE BLOWING CONVERSION AND ACCESSORIES



Microduct Plug

Seals the free end of the microduct so that it can be pressurized to help prevent collapse during installation

- 89632** 10mm OD
- 89634** 12mm OD
- 89635** 12.7mm OD
- 89633** 14mm OD
- 89636** 16mm OD (13mm ID)
- 89637** 16mm OD (11.7mm ID)
- 89638** 18mm OD (14mm ID)



Pressurization Connector - Small

Pressurizes microducts prior to installation. The push-to-connect tube fitting provides a quick yet reliable attachment to the microduct on the reel. Uses Schrader valve for air input.

- 89570** 8mm OD
- 89571** 10mm OD
- 89572** 12mm OD
- 89573** 12.7mm OD



Pressurization Valve and Connector - Large

Pressurizes microducts prior to installation. The push-to-connect tube fitting provides a quick yet reliable attachment to the microduct on the reel. Uses quick disconnect coupling for air input. Integrated valve allows for easy de-pressurization.

- 89574** 14mm OD
- 89575** 16mm OD
- 89576** 18mm OD



Air Supply Hose

Hose is 10 feet long for easy setups. Inlet connection is a two claw Chicago coupling.

- 89949** Air Supply Hose 10 ft.



Microduct Pressurization

Simultaneously pressurizes multiple microducts prior to blowing them into an innerduct. Sections of scrap 10mm microduct are used to create the lengths for the specific reel configurations.

- 89599** Microduct Pressurization
- 89598** Manifold 10mm Microduct 100' coil (used if 10mm microduct scrap is unavailable at the job site.)



2" Tube Blowing Pressure Gauge Used when checking pressure on 14-18mm microducts.

Measure pressure in microducts individually up to 160 psi (11bar). Quick disconnect fits our pressurization valves 89574, 89575 and 89576 for secure measurement.

- 89654** 2" Tube Blowing Pressure Gauge - Quick Disconnect Fitting



2" Tube Blowing Pressure Gauge

Used when checking pressure on 8-12.7mm microducts. Measure pressure in microducts individually up to 160 psi (11bar). Schrader valve snap on chuck for secure measurement. For use with P/N's 89570, 89571, 89572, 89573

- 74701** 2" Tube Blowing Pressure Gauge - Schrader Valve



Storage Box for Venturi and Collets

Keep your Tornado accessories protected and organized with this tough ABS case. Custom diecut foam insert for collets and seals. Size: 28" (711mm) x 9 (228mm) x 4.5 (114 mm).

- 89167** Storage Box

Microduct Pressurization

Simultaneously pressurizes up to six microducts prior to blowing them into an innerduct. One coiled hose and chuck included.

- 89625** Microduct Pressurization Kit w/ One Hose & Air Chuck

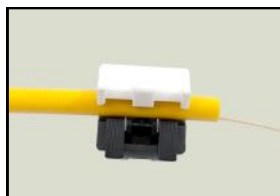
- 89626** Hose and Air Chuck (10') (order as required)



Venturi Collet Plug

Unused holes in the venturi collet are quickly and easily blocked by the plug, sealing against pressure loss

- | | | | | |
|--------------|--------------|--------------|--------------|--------------|
| 89596 | 89597 | 89569 | 89673 | 89653 |
| 10mm | 12mm | 12.7mm | 14mm | 16mm |



Rotating Micro Duct Cutter

The rotating micro duct cutter will cut from 3 to 14mm micro duct without harming the fiber in an occupied duct.

- 89567** Rotating Micro Duct Cutter



Hydraulic Adapter Kit / Less Motors

Essential fittings that allow easy conversion from cable blowing to tube blowing without having to reuse existing fittings.

- 89176** Hydraulic Adapter Kit



Clevis Roller Assembly

Replaces the microduct tube guide when converting from tube blowing to cable blowing.

- 36255** Clevis Roller Assembly

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