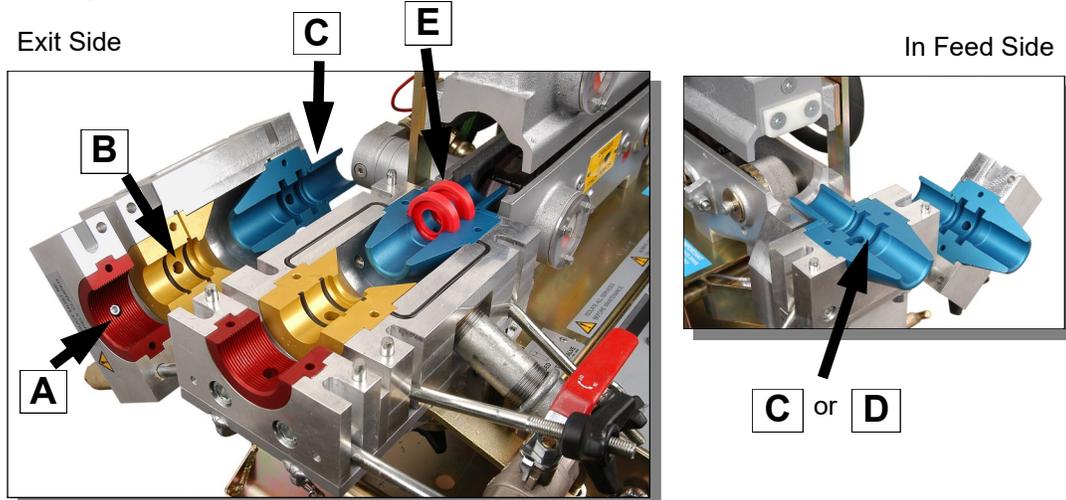


GMP Tornado Configuration for Cable Blowing

Locator	Description	Qty needed
(A)	Duct Clamp	1 (2 halves)
(B)	Duct Seal	1 (2 halves)
(C)	Cable Collet	1 or 2 (2 halves) <i>see note 3</i>
(D)	Cable Guide	0 or 1 (2 halves) <i>see note 3</i>
(E)	Cable Seals	1 (pkg of 10)
(F)	Cable Seal Plug	1 unit

In order to configure your Tornado to work with your specific cable requirements you must select items below that match your duct and cable size.



How to specify the collets and seals to match your cable and duct size .

- Select one (1) Duct Clamp (locator A) that represents the **size** of the duct that you're using.
- Select one (1) Duct Seal (locator B) that represents the **size** of the duct that you're using.
- Select the Cable Collet (locator C). Always use a Cable Collet on the cable exit side.
If you use either 6-9 mm or 9-12 mm cable, use a Cable Guide (locator D) on the cable in feed side, for anything larger than these sizes, use a Cable Collet on the in feed side.
- Select the Cable Seals (locator E) that match your cable size.
- Select one (1) Cable Seal Plug (locator F) that match your cable size.

(Loc A) DUCT CLAMPS (O.D. Controlled)

89033	DUCT CLAMP 3/4"
89021	DUCT CLAMP 1"
89041	DUCT CLAMP 1.25"
89061	DUCT CLAMP 1.50"
89071	DUCT CLAMP 2"



(Loc B) DUCT SEALS (O.D. Controlled)

89034	DUCT SEAL 3/4"
89022	DUCT SEAL 1"
89042	DUCT SEAL 1.25"
89062	DUCT SEAL 1.50"
89072	DUCT SEAL 2"



(Loc C & D) CABLE COLLETS (6-32 MM) & GUIDES (6-12 MM)

89081	6-9 MM (.23 - .35") (1 Collet REQ) (exit side)	Collet & guide used together for this size cable
89082	6-9 MM (.23 - .35") (1 Guide REQ) (in feed side)	
89083	9-12 MM (.35 - .47") (1 Collet REQ) (exit side)	Collet & guide used together for this size cable
89084	9-12 MM (.35 - .47") (1 Guide REQ) (in feed side)	
89091	12-16 MM (.47 - .63") (2 Collets REQ)	Same collet used on both in feed and exit side
89092	16-20 MM (.63 - .79") (2 Collets REQ)	
89101	20-24 MM (.79 - .95") (2 Collets REQ)	
89102	24-28 MM (.95 - 1.10") (2 Collets REQ)	
89107	28-32 MM (1.10 - 1.26") (2 Collets REQ)	



(Loc E) CABLE SEALS (6-32 MM)

89085	6-7.5 MM (.23 - .29") 10/PK
89086	7.5-9 MM (.29 - .35") 10/PK
89087	9-10.5 MM (.35 - .41") 10/PK
89088	10.5-12 MM (.41 - .47") 10/PK
89093	12-14 MM (.47 - .55") 10/PK
89094	14-16 MM (.55 - .63") 10/PK
89095	16-18 MM (.63 - .71") 10/PK
89096	18-20 MM (.71 - .79") 10/PK
89103	20-22 MM (.79 - .87") 10/PK
89104	22-24 MM (.87 - .95") 10/PK
89105	24-26 MM (.95 - 1.02") 10/PK
89106	26-28 MM (1.02 - 1.10") 10/PK
89110	28-30 MM (1.10 - 1.18") 10/PK
89111	30-32 MM (1.18 - 1.26") 10/PK



ID COLOR CODES

GREEN	1 LINE
GREEN	2 LINES
PURPLE	1 LINE
PURPLE	2 LINES
SILVER	1 LINE
SILVER	2 LINES
GOLD	1 LINE
GOLD	2 LINES
BLUE	1 LINE
BLUE	2 LINES
RED	1 LINE
RED	2 LINES
BLACK	1 LINE
BLACK	1 LINES
WHITE	1 LINE
WHITE	2 LINES

(Loc F) CABLE SEAL PLUGS (6-32 MM)

89125	6-7.5 MM (.23 - .29")
89126	7.5-9 MM (.29 - .35")
89127	9-10.5 MM (.35 - .41")
89128	10.5-12 MM (.41 - .47")
89129	12-14 MM (.47 - .55")
89130	14-16 MM (.55 - .63")
89131	16-18 MM (.63 - .71")
89132	18-20 MM (.71 - .79")
89133	20-22 MM (.79 - .87")
89134	22-24 MM (.87 - .94")
89135	24-26 MM (.94 - 1.02")
89136	26-28 MM (1.02 - 1.10")
89162	28-30 MM (1.10 - 1.18")
89164	30-32 MM (1.18 - 1.26")

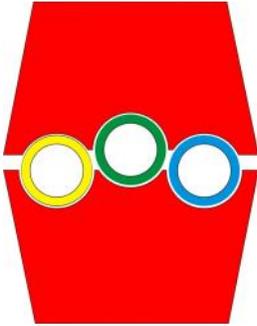


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TORNADO COLLETS
10/2016

Tornado Conversion for 3 X 10 mm Micro Duct



P/N Description

- 89119 50 cc Motor (2 needed for conversion)
- 89183 Venturi Collet
- 89186 Infeed Guide Collet
- 89177 Upper Drive Belt (1 each)
- 89180 Lower Drive Belt (1 each)

See page 3 for additional accessories



Tornado Conversion for 5 X 10 mm Micro Duct



P/N Description

- 89119 50 cc Motor (2 needed for conversion)
- 89182 Venturi Collet
- 89187 Infeed Guide Collet
- 89180 Upper and Lower Drive Belt (2 of same)
- 89137 Tube Guide
(replaces roller on "in feed" side)

See page 3 for additional accessories



Tornado Conversion for 4 X 12 mm Micro Duct



P/N Description

- 89119 50 cc Motor (2 needed for conversion)
- 89185 Venturi Collet
- 89189 Infeed Guide Collet
- 89193 Upper and Lower Drive Belt (2 of same)
- 89137 Tube Guide
(replaces roller on "in feed" side)

See page 3 for additional accessories



Tornado Conversion for 3 X 12 mm Micro Duct



P/N Description

- 89119 50 cc Motor (2 needed for conversion)
- 89184 Venturi Collet
- 89188 Infeed Guide Collet
- 89169 Upper and Lower Drive Belt (2 of same)
- 89158 Microduct Tube Guide

See page 3 for additional accessories



Tornado Conversion for 4 X 12.7 mm Micro Duct



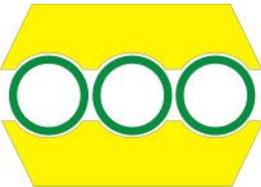
P/N Description

- 89119 50 cc Motor (2 needed for conversion)
- 89161 Venturi Collet
- 89166 Infeed Guide Collet
- 89193 Upper and Lower Drive Belt (2 of same)
- 89137 Tube Guide
(replaces roller on "in feed" side)

See page 3 for additional accessories



Tornado Conversion for 3 X 12.7 mm Micro Duct



P/N Description

- 89119 50 cc Motor (2 needed for conversion)
- 89160 Venturi Collet
- 89165 Infeed Guide Collet
- 89169 Upper and Lower Drive Belt (2 of same)
- 89070 Microduct Tube Guide

See page 3 for additional 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
- 89636** 16mm OD (13mm ID)
- 89637** 16mm OD (11.7mm ID)
- 89638** 18mm OD (14mm ID)



Pressurization Connector

Pressurizes microducts prior to installation. The push-to-connect tube fitting provides a quick yet reliable attachment to the microduct on the reel.

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



Venturi Collet Plug

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

- 89596** 10mm
- 89597** 12mm
- 89569** 12.7mm



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.)



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)



Microduct Cutter

Cleanly cuts up to 3/4 in. (19mm) microduct. The replaceable hardened steel blade mounted in a sturdy plastic housing. Just align the microduct with the blade and the "V" anvil and squeeze.

- 89565** Microduct Cutter
- 89566** Replacement blade for Microduct Cutter (89565) 5 pk



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



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



2" Tube Blowing Pressure Gauge

Measure pressure in microducts individually up to 160 psi (11bar). Schrader valve snap on chuck for secure measurement.

- 74701** 2" Tube Blowing Pressure Gauge



Clevis Roller Assembly

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

- 36255** Clevis Roller Assembly