

Tornado Plus

Cable Blowing Machine

Duct range 25-63mm, cable range 6-32mm

General Description

The cable blowing machine, comprising an air box and cable pusher, has been designed to provide an effective and safe method of fibre optic cable installation. The system installs fibre optic cable of 6mm (0.25") to 32mm (1.25") overall diameter, at speeds up to 90m/min (300ft / min), into pre-installed ducts. The system operates on the viscous drag principle employing compressed air to install the cable, controlled and assisted by the belt drive system.

The cable is propelled by compressed air, fed into the duct via a venturi principle, while the hydraulically powered belt drive system controls the fibre optic cable. The electronic monitoring system provides read out of speed and distance, gives protection against duct obstructions and includes an emergency stop facility.

The system is mounted on an anti-corrosion treated, sturdy, height adjustable, wheeled, tubular steel trolley. This allows the unit to be wheeled around on site. The C-1203 hydraulic petrol driven power pack provides power. The unit is CE approved.

Features

Fully labelled control panel containing:

- Power on/off button
- Emergency stop button
- Reset button
- Combined length counter recording in metres (feet) and cable speed read out in metres/min (feet/min)
- Hydraulic pressure read out dial
- Air pressure read out dial
- Hydraulic on/off control valve
- Adjustable speed control for drive belts
- Air supply control on/off with automatic exhaust function

Chassis

- Front mounted wheels for ease of manoeuvrability
- Lightweight anti-corrosion treated tubular steel frame
- Adjustable frame allowing unit to be tilted up to 30°, reducing bending of duct and cable
- Adjustable rear legs for uneven terrain

Air Box

- Manufactured in aluminium
- Range taking of cables from 6mm – 32mm (0.25"-1.25") by means of interchangeable collets with double cable sealing arrangement
- Duct sealing at mouth of air box
- Duct gripping facility designed to obviate duct crushing and distortion
- All seals, except cable seals, have a common diameter cord
- Upper section of air box is retained
- Air box aligned is adjustable for varying cable diameters
- No tools are required to split air box for insertion of cable and duct
- On/off air control valve with automatic air exhaust from duct when in "off" position

Storage Case

Comprising

- Operating Manual
- Instructional Video

Cable Feeder

- Manufactured in cast aluminium
- Hydraulically powered
- Unit lifts and splits to allow insertion of cable between drive belts
- Drive belts are profiled polyurethane, moulded
- Belt tension can be set by means of adjustable chain drive tensioners fitted to the side of the unit
- System relief valve fitted as standard

Tool Box

- 3mm Allen Key
- 4mm Allen Key
- 5mm Allen Key
- 6mm Allen Key
- Long reach Allen Key
- 3mm dia. Cord x 2.5 metres long
- Silicone Grease
- Pliers 150mm
- Screwdriver 150mm (slot)
- Knife
- 13-17mm A/F Spanner
- 19mm Combination Spanner
- Battery Charger
- Battery Charge indicator



NB: Please Specify Cable and Duct Diameters When Ordering

For Further Information

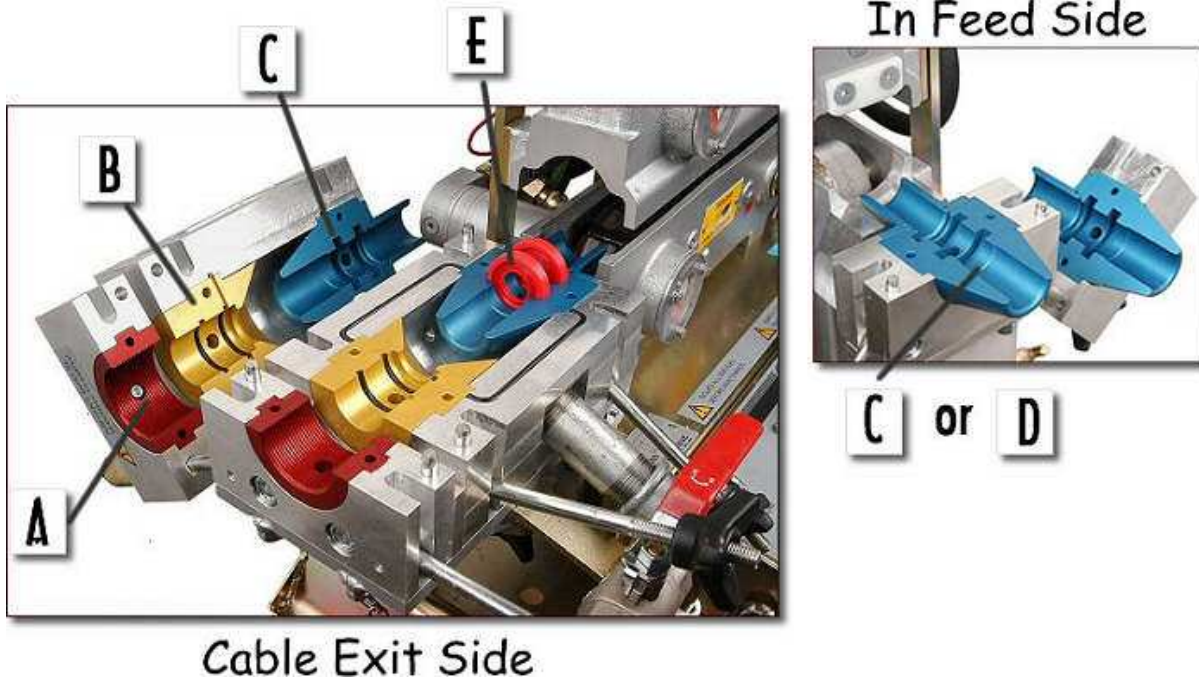
Telephone No: +44(0) 1572 723665

E-mail: sales@cbsproducts.com • Website: www.cbsproducts.com

TORNADO Configuration for Cable Blowing

In order to customise your new "Tornado" to your application, we ask that you pick, one each from the list below, the Duct Clamp Collet (A), the Duct Seal Collet (B), the Cable Collet Assy (C) and the In Feed Cable Collet (D), the Cable Seals (E) and the Cable Seal Plug F).

When ordering, please have Tube and Cable dimensions available.



A) Duct Clamp Collet



Duct O.D	Part No
25mm	C-1258-0200-25
32mm	C-1258-0200-32
38mm	C-1258-0200-38
40mm	C-1258-0200-40
50mm	C-1258-0200-50

B) Duct Seal Collet



Duct O.D	Part No
25mm	C-1257-0202-25
32mm	C-1257-0202-32
38mm	C-1257-0202-38
40mm	C-1257-0202-40
50mm	C-1257-0202-50

C) Cable Collet Assembly & D) In-Feed Cable Collet



Cable Diameter	Part No for Cable Collet Assy (C)	Part No for In-Feed Cable Collet (D)
6-9mm	C-1256-0103-06-09	C-1256-0104-06-09
9-12mm	C-1256-0103-09-12	C-1256-0104-09-12
12-16mm	C-1256-0103-12-16	C-1256-0103-12-16
16-20mm	C-1256-0103-16-20	C-1256-0103-16-20
20-24mm	C-1256-0103-20-24	C-1256-0103-20-24
24-28mm	C-1256-0103-24-28	C-1256-0103-24-28
28-32mm	C-1256-0103-28-32	C-1256-0103-28-32

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Telephone No: +44(0) 1572 723665 • Fax No: +44 (0) 1572 756009
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TORNADO Configuration for Cable Blowing – Con't/d

E) Cable Seals (Supplied in Packs of 10 Seals)



Cable Diameter	Part No
6-7.5mm	C-1255-0208-06-07.5
7.5-9mm	C-1255-0208-07.5-09
9-10.5mm	C-1255-0208-09-10.5
10.5-12mm	C-1255-0208-10.5-12
12-14mm	C-1255-0208-12-14-F
14-16mm	C-1255-0208-14-16-F
16-18mm	C-1255-0208-16-18-F
18-20mm	C-1255-0208-18-20-F
20-22mm	C-1255-0208-20-22-F
22-24mm	C-1255-0208-22-24-F
24-26mm	C-1255-0208-24-26-F
26-28mm	C-1255-0208-26-28-F
28-30mm	C-1255-0208-28-30-F
30-32mm	C-1255-0208-30-32-F

F) Cable Seal Plugs



Cable Diameter	Part No
6-7.5mm	C-1256-0206-07.5
7.5-9mm	C-1256-0206-09
9-10.5mm	C-1256-0206-10.5
10.5-12mm	C-1256-0206-12
12-14mm	C-1256-0206-14
14-16mm	C-1256-0206-16
16-18mm	C-1256-0206-18
18-20mm	C-1256-0206-20
20-22mm	C-1256-0206-22
22-24mm	C-1256-0206-24
24-26mm	C-1256-0206-26
26-28mm	C-1256-0206-28
28-30mm	C-1256-0206-30
30-32mm	C-1256-0206-32

All imperial sizes are available on request

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