

# Sirocco Blowing Head

Prysmian Part Number: XBFSC00010



The Sirocco Blowing Head is designed for the installation of Enhanced Performance Fibre Units (EPFU) in tubes either by the push-pull method.

In the case of push-pull, the cable is pushed by a system of drive and pressure rollers and pulled by a shuttle attached at the cable head.

The Sirocco Blowing Head is used mainly for works concerning the access or premise areas of networks.

Installation speed, which can be controlled by the clutch system, is a maximum 50 m/min.

The maximum installation length can be influenced by the tube path geometry.

## Features and Benefits

- Low compressed air consumption.
- Lightweight apparatus hence handy to use.
- Safety for both personnel and cable.
- Savings on infrastructures, possibility of reusing existing tubes.
- Simple operation, high reliability and savings in manpower.

This allows:

- Installation along uninterrupted sections (see EPFU data sheets for distances) in tubes of small diameter.
- Installation of EPFU through several intermediate chambers without manual intervention.

## Dimensions and Weights

Sirocco Blowing Head alone:  
Weight: **(l x w x h) 240 x 150 x 190 mm 5,5 kg**

Including case for tools & spares:  
Weight: **590 x 385 x 250 mm 11,5 kg**

## Field of Application

The Sirocco Blowing Head can be used within the following limits:

- Sirocco EPFU: **up to 12f**
- Tubes: **from 3 to 7 mm OD**

## Kit Contents

Each Sirocco Blowing Head is supplied with:

- A case for the apparatus, tools, adaptors and consumption items (joints, lubricant, etc.)
- 1 tube adaptor
- 1 cable adaptor
- Air connector 1/4" and stop valve
- 1 Speed and distance counter
- 1 Manual for operation and maintenance
- 1 List of spare parts
- 1 spring balance for calibrating the max pulling/pushing force.

## Product Description

The Sirocco Blowing Head consists of the following sub assemblies:

### 3.1 The air inlet chamber

- The air inlet chamber is fitted with a 1/4" threaded connector, a stop valve, a pressure gauge and a safety valve. Any increase of the pressure above 10 bar is indicated by an alarm whistle
- Adaptation of the Sirocco Blowing Head to various tube diameters is made by means of interchangeable adaptors available for the following tube OD's: 3mm, 5mm
- Adaptation to various EPFU diameters is done by means of adaptable cable seals or sleeves.

### 3.2 The drive system

It consists of the following elements:

- A drive wheel with anti-slip coating combined with a pressure roller
- A magnetic control unit of the pushing force
- An electrical drive (24 VDC) with magnetic clutch and remote control.

Data of the drive system:

- Pushing force **0-25 N**
- Pressure exerted on EPFU by the pressure roller: **20-100 N**
- Recommended installation speed: **30 m/min**
- The above speed can be continuously adjusted between 0 to 40 m/min. Both directions are possible.

### 3.3 Control and safety system

It consists of:

- A pressure gauge to air inlet chamber
- A control device for the pushing force
- A speed and distance-measuring unit
- A safety valve limiting the pressure in the chamber at 10 bar
- A control unit of the radial force exerted by the pressure roller on the EPFU.

## Compressed Air Supply

Each Sirocco Blowing Head must be fed with compressed air by a compressor at following conditions:

- Rated pressure: **10 bar**
- Rated air flow:

For tubes up to 6 mm OD: **~ 200 l/min**

For tubes up to 12 mm OD: **~ 500 l/min**

## Conformity with Prescriptions

Design and safety in conformity with Directive CE for machines No 98/37/CE.

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Issue 01, October 2005  
Ref: SR010