

# Y-BLOCK

Normally used for overblow, the Y-block can assist you in adding one cable to an existing duct, where another cable is already installed.

## Versatile adaptors and ducts

With Fremco's customized duct holders and adaptors, the Y-block is more flexible as it can be fitted into different sizes of ducts between 14-65 mm. This means you can modify both ends of the Y-block to fit each specific overblow job.

## Direct air connection

The Y-block is featured with a direct air connection in the lid, a feature you can use especially when working with the small Fremco machines to increase duct diameter. The direct air connection also makes it possible to do overblow with fewer steps, saving time for the fiber blowing engineer.

## Surface treated aluminium

The Y-block can withstand air/water pressure up to 25 bar.

*How to optimize duct diameter range with the Y-block?  
Case story on next page.*



## SPECIFICATIONS

Item No.: .....103-201112003  
Pressure resistance..... Max. 25 bar  
Length .....250 mm  
Width.....155 mm  
Height.....80 mm  
Weight\*.....5.3 kg

*\*Without adaptor and duct holder inserts.*

## DON'T FORGET TO ORDER

### Adaptor and duct holder inserts (for inlet and outlet)

Different variants



### Cable seals

Different variants in sizes  
between 4-25 mm



### Air supply unit

Needed to connect air directly  
to the Y-block.

Item No. 103-190129001



# OPTIMIZING DUCT DIAMETER RANGE WITH THE USE OF THE VERSATILE Y-BLOCK

## A case story

### Case:

Blowing an 8 mm micro cable into an already installed 40 mm duct of 650 m. The contractor had the MiniFlow RAPID at disposal.

### Challenge:

The MiniFlow RAPID is designed to blow micro cables into microducts, and it has a duct diameter range of 7-20 mm. This is why it is difficult to reach the necessary airflow in a larger duct diameter and impossible to directly connect the two ducts in question.

### Solution:

Connecting the Y-block to MiniFlow RAPID.

In this case, the Y-block was added to connect the 20 mm duct from the MiniFlow RAPID to the installed 40 mm duct. A necessary amount of air was in addition added to the Y-block, securing the right amount of air in the duct, thus making the blowing process more effective. A cable mole was also added to reduce air volume (see picture 1).

### Result:

The micro cable was installed smoothly all 650 m at a speed of 60-70 m/min. A 1000 l compressor was connected to the MiniFlow RAPID while a 2000 l compressor supplied air to the Y-block.



1  
A cable mole with cable sock is mounted at the end of the cable. Two sponges (with lubrication in the middle) are the first thing to insert in the 40 mm duct, which is connected to the Y-block. After lubrication, the cable mole is inserted in the duct.



2  
The sponges are the first thing to blow through the duct. This cleans the installed duct and controls that the sponges arrive at the opposite end of the duct. After the sponges arrive, the fiber blowing can commence. Start applying 1-2 bar pressure to straighten out cable mole and cable sock.



3  
Approximately 50 m into the fiber blowing process, the micro cable meets a bit of resistance making the cable wobble. To avoid this, the air supply to the Y-block was increased. This destresses the cable, which stops wobbling. After 150 m, air and speed are gradually added until full air is achieved. In this case, the cable is blown to the end of the duct without any major resistance.



4  
The Y-block is designed to add another cable to an already installed duct. It is a great tool for linking different sizes of ducts, giving extra direct air supply.