Figaro
Intermediate Cable Fleeting Device

Technical Data Sheet

1.General
The FIGARO is a passive device for the intermediate storage of fibre optic cables in a circular coil, allowing the winding and unwinding of a cable without starting with a cable's end. The FIGARO is the modern equivalent of the manual figure-eighting technique, any operative used to this process will immediately see why the FIGARO has proven such an invaluable tool.

2. In use
Using a FIGARO is similar to the figure-eighting technique. The lateral openings of the basket and of the cable guides make it possible to introduce the cable without starting with a cable's end. The cable is moved by a CableJet (or SuperJet) and guided into the basket by the rotating guide. The upper part of the guide is swivelling. If this guide is used to support the CableJet, the supporting leg must be used. The adjustable brake situated in the axis of the rotating guide allows the placement of the cable against the external wall of the basket, and therefore, to achieve a controlled coiling. This adjustment must be done every time an uncontrolled coiling is noticed. The brake should only be applied with care, stiff cables may be subject to higher braking forces than flexible cables as such there is a risk of buckling. No manipulation of the FIGARO is required to switch over from a winding to an unwinding operation. The FIGARO, even fully packed with cable, can be lifted and transported, provided that the overall weight does not exceed 500 daN (500 kg).

3. Set up
The FIGARO consists of three main subassemblies:

a) Two basket halves fixed to each other by a conical main support assembly;
b) One rotating cable guide with an adjustable brake fitted with a free wheel;
c) One upper swivelling cable guide with supporting plate for the CableJet (SuperJet).

4. Technical data

Admissible cable diameters			**6 - 20**	**mm**
Cable speed			**0 - 100**	**m/min**,[1]
Horizontal position			**+/- 30**	**%**
Diameter			**2250**	**mm**
Height			**2015**	**mm**
Dimensions whilst in transport position L x l x h			**2250 x 1425 x 1660**	**mm**
Max. Laden Weight			**500**	**kg**
Unladen Weight			**≈ 140**	**kg**
Capacity,[2]:	**Length**	**cable Ø**	**Length**	**cable Ø**
	1000 m	**20 mm**	**2700 m**	**12 mm**
	1200 m	**18 mm**	**3700 m**	**10 mm**
	1500 m	**16 mm**	**6100 m**	**8 mm**
	2000 m	**14 mm**	**10000 m**	**6 mm**

[1] 100 m/min = Max. Recommended speed of CableJet, the FIGARO can operate at higher speeds.
[2] Capacity can change with mechanical behaviour of cable.

5. Transportation
It is necessary to partially dismantle the FIGARO for transportation. The two basket halves are folded up and fixed to the conical main support assembly by means of 4 easily removable pins, then the upper guide is nested into the conical main support assembly, it must be pushed upwards to be dismantled.

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Figaro, shown in use in conjunction with a CableJet.



F**igaro,** shown in its transportation position.



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