

Saybia

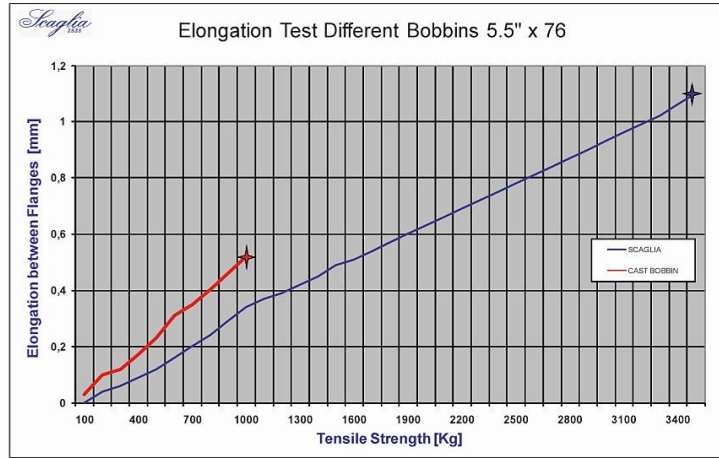
1838

O.P. BOBBIN

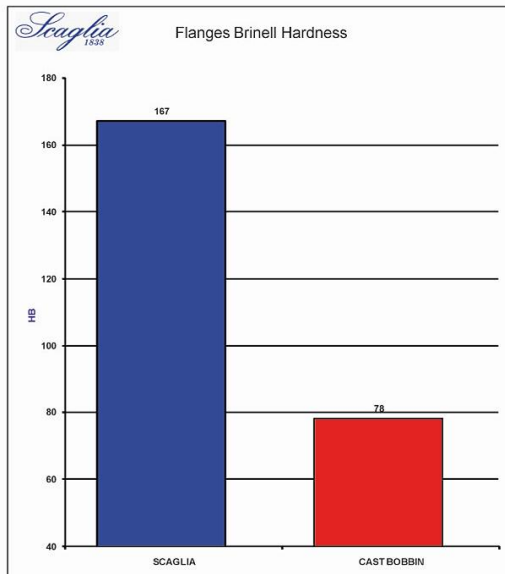
Test comparison between Scaglia and Cast Bobbin.

Dimension of the Bobbin tested: 5.5" x 76 x 30 mm

We checked the differences of elongation between Scaglia and Die-Cast Bobbin.



Then we checked the Hardness of the material used.



Against the above mentioned results, we decide to run a comparison between Die-Cast Bobbin and Scaglia Bobbin.

Before the winding process, we checked all the Die-Cast Bobbin and we found out that most of them were out of tolerances, against the values requested by all the Spindle Manufacturers.

We had to wind Die Cast Bobbin one by one, changing the traverse height of the machine, against the different seating's height of the Bobbins on the Spindle.

We have been obliged to use much lower winding tension on Cast Bobbins to avoid their explosion (see the picture).



We ran the coverings test on Menegatto machines type 1500 at 22,000 RPM, with 256 positions on 13/7 dtex D.C. – 1,750 tpm. flat Nylon on Lycra 44 dtex.

We reached contents of 360 grams with an average package hardness of 80 Shore A against an average of content of 420 grams on Scaglia bobbin with a package hardness of 93 Shore A.

Bobbin	kg produced per machine	Production time	Power cons. for 256 pos. [kWh]	kWh/ kg	Power cost / kg (1 kWh = € 0.133)	N° of Breaks	kg / breaks
Scaglia	152	17 days	4,904.82	32.27	€ 4.29	5	30.4
Die-Cast	131	14.6 days	4,489.78	34.77	€ 4.62	25	5.24

From the table here above you can clearly see that the electricity cost per kg on Scaglia bobbin is **7.1% lower** than the Die-Cast bobbin, and the number of breaks / kg is **5.8 times less**. Please consider the breaks on Die-Cast bobbin has been limited because, for each bobbin as already mentioned above, the winder traverse has been adjusted to the different bobbin seating on the spindle.

SCAGLIA means LESS ENERGY CONSUMPTION (-7.10%), LESS BREAKAGES (-580%), MORE YARN CAPACITY PER BOBBIN (+ 14%) = MORE EFFICIENCY and BETTER YARN QUALITY.

Traverse	Flanges diameter				Barrel
	76 mm	84 mm	92 mm	94 mm	
5.5" in.	76 mm	84 mm	92 mm	-	i.d. 30 mm
6.5" in.	76 mm	84 mm	92 mm	-	i.d. 30 mm
5.5" in.	-	-	94 mm	104 mm	i.d. 48.41 mm

On request we may produce bobbin on different dimension.

tagliastrazza



- It removes waste very rapidly and rationally from bobbins, tubes, metal cops of any shapes, allowing a total recovery of it.
It doesn't damage metallic yarn support.
- It is particularly advisable for thermoplastic yarns (nylon 6, nylon 6.6, polyester, acrylics, polypropylenics, etc.) but in some cases it may be profitably used for artificial and natural fibres as well.
- Yarn is cut by a blade of hot compressed air, with no direct contact of machine and support.
The waste obtained is directly conveyed by air into a container.
- It is easy to use, it doesn't require any qualifield labour, and it involves no danger for the operator.
- It is completely self-contained; to operate it just requires connection to three-phase power line.

Scaglia
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