Speedwell System mandrels

Designed for pneumatic mounting of tapered Speedwell sleeves



mechanical resistance

patented product

quality certified

Speedwell System

Rossini supply tapered mandrels for the rubber Speedwell Sleeves of its production. Manufactured with the latest available technologies for the mechanical works, welding process and assembly, the Rossini Speedwell mandrel has several advantages like the design related to the applied loads, the patented tapered value and a close chamber distribution system for the compressed air distribution; moreover the perfect grinding of the surface supplied with chrome, nickel coating according to the manufacturing drawing.

structure

Solid welded steel structure with closed chamber compressed air distribution.

specifications

Material	Standard: Carbon steel
Conicity	According to patented Speedwell System standards
Compressed air for mounting sleeve	Pressure: 12-20 [Bar] 174 - 290 [PSI] - Delivery rate: 10 [Nl/min]
Applicable load	Up to 12 [Kg/cm]
Machining tolerance	High precision ground outer finish (Ra 0.8). Parallelism and coaxiality tolerance < 0.01 [mm]
Surface finishes	Tempered or chrome plated ground mandrel surface treatment; tempered journal bearing contact zones
DIN ISO 1940-1 S balance quality grade	Standard G6.3 at 1000 rpm
Available accessories	Tempered bearing guide bushings - 1-way or 2-way rotary joints
	The characteristics of the mandrel or roller supplied are compliant with the drawing and design specifications defined by the manufacturer of the machine

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