Speedwell System anti-deflection mandrels



mechanical resistance

patented product

quality certified

Speedwell System

Special anti-deflection design of the mandrel for using the rubber Speedwell sleeves in heavy-duty applications. The mandrel has the patented tapered value, a close chamber distribution system for the compressed air and moreover the perfect grinding of the surface that can be supplied with chrome, nickel coating according to the manufacturing drawing for the easy and proper mounting of the rubber Speedwell Sleeves.

specifications

Material	Standard: Carbon steel
Conicity	According to patented Rossini Speedwell System standards
Compressed air for mounting sleeve	Pressure: 12-20 [Bar] 174 - 290 [PSI] - Delivery rate: 10 [Nl/min]
Applicable load	Up to 40 [Kg/cm] in relation to length and diameter of mandrel
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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