

Spinning and twisting rings
Sintered rings

PROSINO
A Subsidiary of the Rieter Group

Sintered Rings

High performance rings for technical yarn applications

An exceptional choice in
ring spinning and twisting

Sintered **OUTSTANDING** Rings

ADVANTAGES

Open-Porosity Technology

Interconnected open surface porosity guarantees continuous and uniform oil flow to the traveller path

Stable Yarn Tension

Smooth surface and low roughness ensure regular traveller running and consistent yarn quality

Designed for Extreme Conditions

High hardness and optimized material blends deliver reliable performance in the most demanding applications

Material Options for Every Need

Available in Nylon 4 or Steel 1, optimized for different fibres, travellers, and spinning processes. performance in everyday spinning operations



Advanced Technology for Technical Yarns

Designed for difficult working conditions

Sintered metal rings must ensure a continuous and balanced oil supply while maintaining a stable traveler path. Prosino's advanced sintering technology delivers precisely that – reliable lubrication combined with mechanical strength.

Dimensional range

Prosino sintered metal rings are available in a wide and flexible dimensional range to meet different machine and process requirements:

- Internal diameters: from 45 mm up to 250 mm
- Ring heights/depths: from 4.8 mm up to 38.1 mm

Intermediate diameters and depths can be supplied upon request, allowing precise adaptation to customer-specific spinning frames and applications.

Aluminium ring spacers for reducing the inner diameter are also available on requests.

Height/depth [mm]	Internal diameter [mm]	
3.7	45	127
4.8	50	133
6.35	55	136
9.52	60	140
10.3	65	152
11.1	75	160
12.7	82.5	165
16.7	90	180
17.1	101.5	195
17.4	110	216
25.4	115	227
38.1	120.7	250

Advanced open-porosity design

Thanks to a carefully balanced blend of metallic and non-metallic powders and a perfectly controlled sintering process, prosino rings feature open surface porosity. This allows oil to flow from the reservoir through the ring body directly to the traveler path – unlike conventional rings with closed surface pores.

Material options

Nylon 4

- High porosity
- Designed for nylon travellers
- Recommended for fibreglass, carpet yarns, tyre cord, polypropylene yarns, and sewing threads

Steel 1*

- Designed for steel travellers
- Higher density and fatigue resistance
- Recommended for worsted, semi-worsted, and blended yarns

* Not suitable when specific pressure exceeds 10 kg/cm².



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