

Cooling rollers – cool operators

A set of navigation icons including a grid of circles, a plus sign, a left arrow, a right arrow, and a list of menu items with corresponding circle icons.

- Cooling rollers
- Utilisation and
- Design



Cooling Rollers — from very small to extra large

Our cooling rollers are designed to enable a particularly uniform temperature distribution over the entire roller width. Cooling is realised by an external supply of liquid media. The fluid coolant intake and outlet can be selected to suit your requirements.

Design

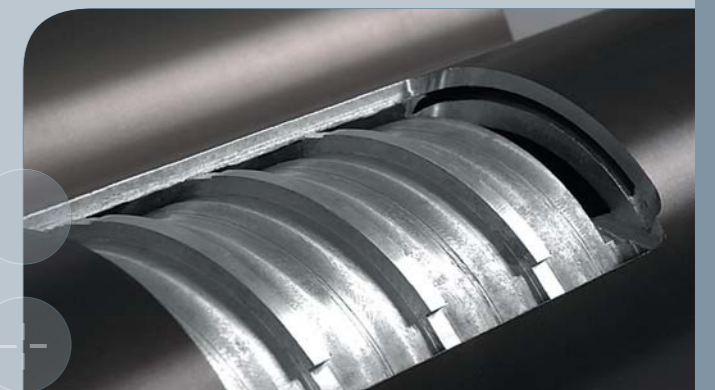
- Double wall with spiral baffle
- Single-sided intake and outlet
- Opposing intake and outlet
- Counter-directional cooling flow
- Lapping roller (single-wall)

Surfaces

- Hard coating
- Hard chrome plating (single layer or triple layer)
- VA coatings
- Plasma-ceramic Teflon coatings
- Rubber coating of all types

Materials

- Steel
- VA stainless steel
- Aluminium
- Combination of steel and VA stainless steel
- Combination of aluminium and VA stainless steel



Cross section: cooling roller with internal helix (e.g. cooling rollers for UV dryers, label printing).

Sizes

Dimensions from 100 mm to 1,250 mm diameter, lengths up to 10,000 mm

The company

We have been designing and producing rollers for every application area for 20 years. You are welcome to contact us concerning the production of customised rollers designed to suit your individual needs – a task and challenge that we especially welcome. This has enabled us to develop and become a reliable and leading partner in industry.

Range of applications

- | | |
|--------------------|-----------------------|
| Printing | Coatings |
| – Flexo printing | – Laminating machines |
| – Gravure printing | – Kaschieren |
| – Screen printing | – Zinc plates |
| – Offset printing | – Label printing |
| | Corona treatment |

Special versions

We will be delighted to product special formats, surfaces and coatings to suit your specifications.

Simply contact us!



Cooling roller rack at Vits in Langenfeld, Germany, equipped with three cooling rollers (ø 200 mm, ø 400 mm and ø 800 mm) from AR Walzen.



We supply

- driving rollers
- spreader rollers
- web guiding rollers
- dosing rollers
- printing rollers
- laminating rollers
- guiding rollers
- support rollers
- idle rollers
- drawing rollers
- heating rollers
- cooling rollers
- web drawing measuring rollers

- inside bearing rollers
- throat rollers
- continuous solid axle rollers
- tube axles



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