



# Heating rollers – hot performance in every application



○ Heating rollers



○ Utilisation and

○ Design





Liquid-heated roller with internal helix



Electrically-heated roller with internal heating elements

## Heating rollers — with liquid or electrical heating

We supply heating rollers to suit specific applications which are heated by an externally-supplied liquid medium (e.g. thermal oil, water, steam) or electrical heating rods integrated in the roller. Whether liquid or electrical – heating to within minimum tolerances is ensured with both versions.

### Liquid-heated rollers

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



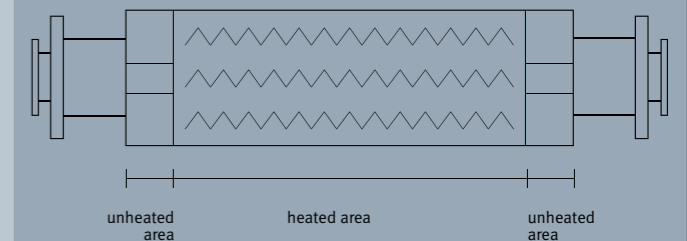
Cross section: reliable liquid heating roller with internal helix



Heating roller with sealing head

### Electrically-heated rollers

Our newly-developed heating rollers with internal electrical heating elements are particularly flexible and easy to handle.



Cross section of an electrical heating roller

Exact temperature maintenance is essential during realisation in many production processes. The demands made of heating rollers utilised in these applications are particularly high.

AR rollers meet these requirements in every respect, maintaining a uniform surface temperature within minimum tolerances.

### 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.

### Materials

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

### Range of applications

- |                    |                         |
|--------------------|-------------------------|
| <b>Dryers</b>      | <b>Coatings</b>         |
| – Paper dryers     | – Laminating machines   |
| – Adhesive dryers  | – Zinc plates           |
| – Paint dryers     | – Label printing        |
| <b>Printing</b>    | <b>Corona treatment</b> |
| – Flexo printing   |                         |
| – Gravure printing |                         |
| – Screen printing  |                         |
| – Offset printing  |                         |

### Surfaces

- Hard coating
- Hard chrome plating (single layer or triple layer)
- VA coatings
- Plasma-ceramic coatings
- Silicon coatings

### Sizes

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

### Special versions

We will be delighted to product special formats, surfaces and coatings to suit your specifications. **Simply contact us!**



## 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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