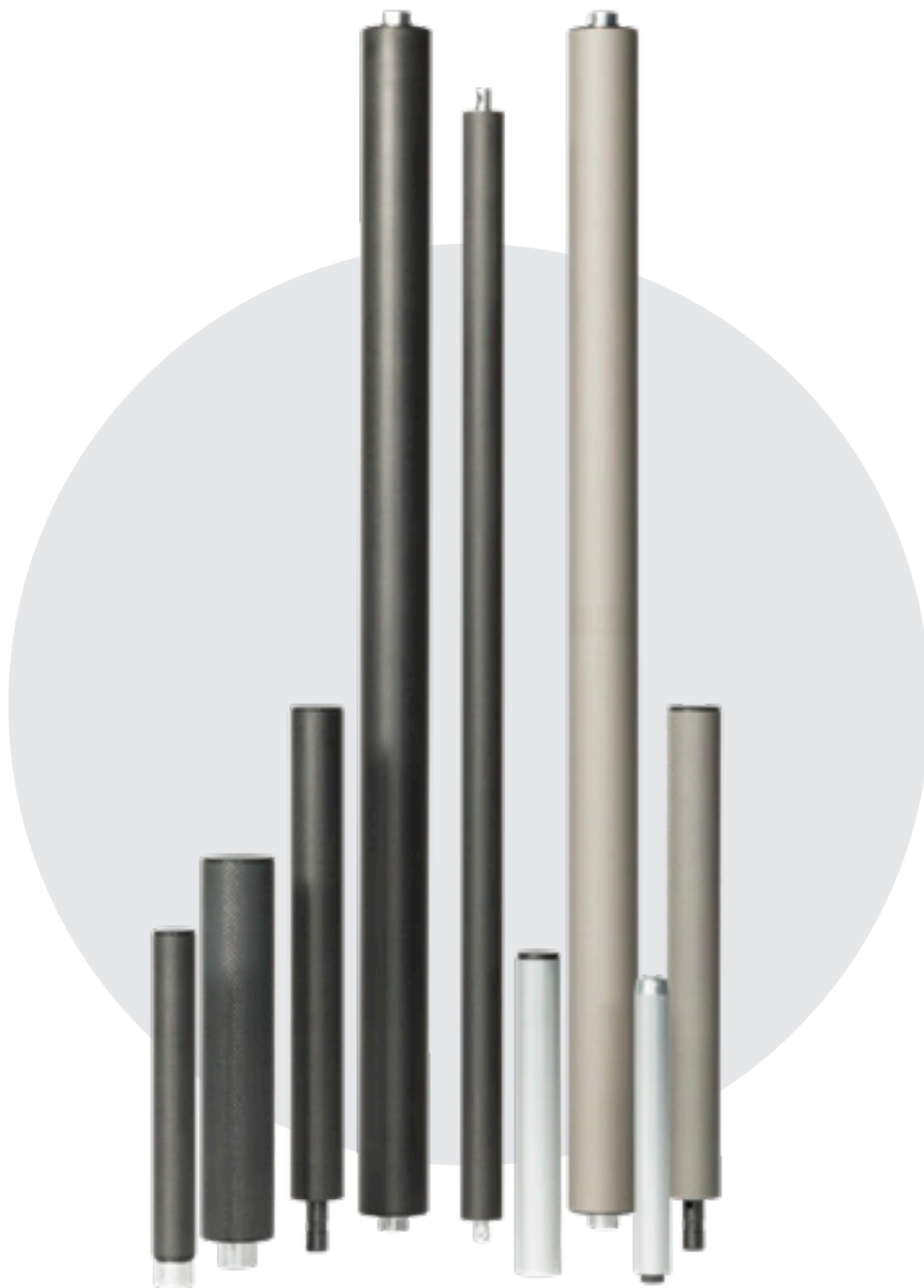


**SAURER.**



**Leading the way.**

**Temco Deflection Rollers ULR / ULW**



## Guiding and deflecting of continuous materials

**As a manufacturer of premium roller bearings, Saurer has many years of experience with sophisticated bearings of this kind and now has over 100 000 Temco Deflection Rollers ULR/ULW in use with exceptionally satisfied customers.**

### Field of Application

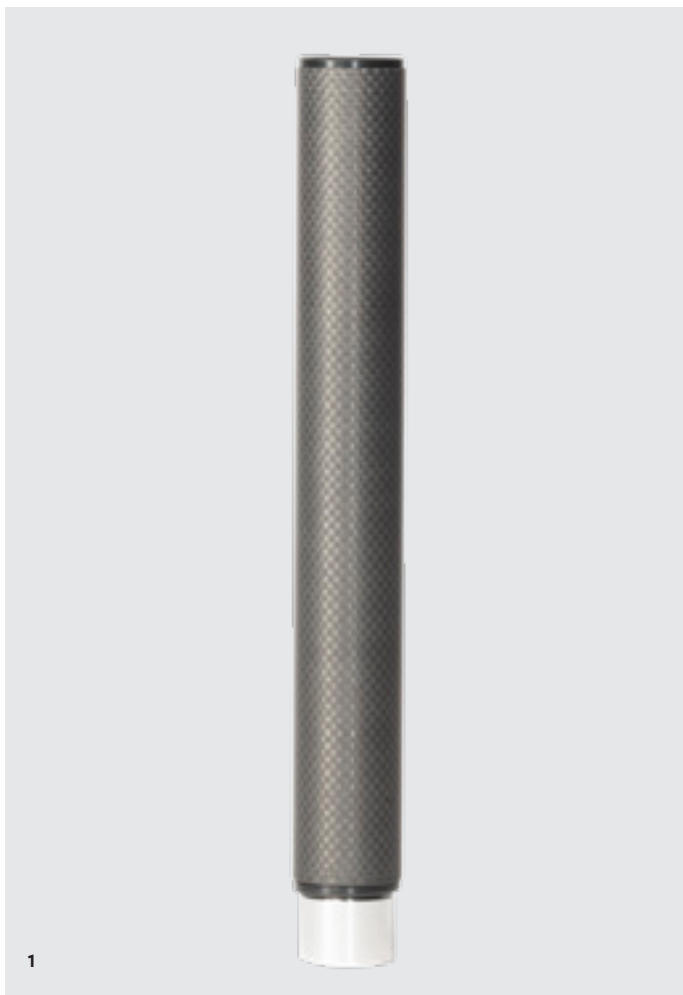
Deflection rollers are used for the gentle deflecting of films and other textile webs.

They are most frequently used in the production of hygiene products, such as baby nappies for example, in the production and processing of films, and in the packing industry. It is also possible to use them in the printing industry or for the guiding of paper webs.

### Advantages

The integrated bearing configuration means it is possible to combine requirements for a high radial load and the greatest possible degree of component rigidity (deflection) with requirements that are actually opposing, such as low levels of bearing friction, high speed and a long lifetime. Due to the use of mass-inertia reduced shells made from thin walled and yet highly stable CFRP tubes, rapidly accelerating/retarded movement sequences are also possible with a minimum level of driving force.

If required, the shells can also be designed with special coatings with wear protection, a self-cleaning effect or a non-stick effect for hot adhesives.



### Configurations/design types

Deflection rollers (ULR) are only attached to one side and thereby make the web guiding and handling considerably easier.

Deflection rollers (ULW) are attached to both sides and are used with wider textile webs (> 500 mm).

Depending on the customer requirements and dimensions,

- bearings in different speed ranges (currently up to 750 m/min)
- shells in aluminum or CFRP
- surfaces with an anodized layer, polished, or with additional non-stick coating
- with the ability to divert electrostatic charges
- standardized or individual adaptations are possible.

For further details, please refer to our types-overview.

### Technical data

	ULR	ULW
Diameter	CFRP: 34 mm, 44 mm, 60 mm / ALU: 36 mm, 40 mm, 60 mm	
Length	Up to 500 mm	Up to 1200 mm
Radial load	Up to 100 N	Up to 200 N
Speed	Up to 750 m/min with high speed bearings	

1 Deflection Roller – ULR34250-06

2 Deflection Roller – ULW601000-02.

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