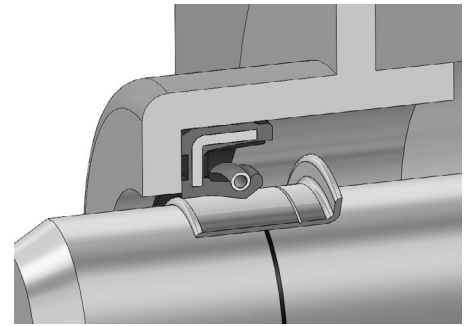


# SHAFT REPAIR SLEEVES



When your equipment wears out it can be incredibly costly to go through extensive repairs or even replacement. Our shaft repair sleeves offer an economical alternative to the replacement by extending the lifespan of the shaft. These sleeves can be utilized allowing continued use of the equipment as designed without costly rebuilds to replacement of the shaft. Repair sleeves have set a new standard for trouble-free re-sleeving of shafts. Repair sleeves thin-wall flange slides over the worn shaft in minutes, creating a new shaft finish. With Dichtomatik repair sleeves precision ground tolerance, you still use the original size seal!

## SHAFT-EZE VS REPAIR SLEEVES

You may be wondering what is the difference between a shaft repair sleeve and a Shaft-Eze. Simply in the United States, Canada and Mexico our Dichtomatik shaft repair sleeves go by the brand name Shaft-Eze. While North America uses a different name they are the same useful product as you find in other regions of the world, but are also available in imperial sizes.

## APPLICATIONS

Shaft sleeves are used to repair badly worn or degraded shaft surfaces in powertrain or hydraulic systems. By pushing them over a worn running surface, the shaft sleeve acts as a running surface for the radial shaft seal ring as part of a tribological sealing system. The sleeves are used in drive technologies like powertrains or hydraulic systems.

## THE PERFECT COMPLIMENT

Our Dichtomatik brand repair sleeves are an exceptional value-added product to our radial shaft seals. These two products work in conjunction with one another very well, ensuring you receive a reliable seal while providing protection and extending the lifespan of your equipment shaft. With this combination, you receive the full performance from the radial shaft seal while receiving the protection and lifespan extension on the shaft with the repair sleeve.

## MOUNTING

Mounting a shaft sleeve is quite easy and takes very little time since it can be handled with a mounting sleeve, which arrives with the product, and a detachable mounting angle. The radial shaft seal ring running surface should be cleaned before mounting and checked for damage because the transfer of shaft unevenness to the surface of the shaft sleeve is possible due to its thin walls.

This can have a negative impact on the seal's effectiveness. Any burrs should be removed, and any run-in grooves, notches, score marks, or major roughness should be smoothed over with an appropriate epoxy filler. In these cases, the shaft sleeve is delayed until the filler hardens. Shaft sleeves must not be placed over shaft grooves, indentations, or thread run-outs.

**Shaft repair sleeves cannot be reused**

## BENEFITS

- Economical rebuilding of the shaft running surface
- No costly machine downtimes
- Fits tightly on the shaft
- Original size seal does not change
- Simple and fast process (Installs in minutes)
- Wear-resistant surface and delivers a good lifetime
- Rust and acid-resistant steel
- Suitable for many industrial applications
- Very good price-performance ratio
- Retention of the original seal dimensions simplifies storage
- Many sizes are available in stock
- Shaft repair sleeves cover the operating parameters for all catalog radial shaft seals
- The radial shaft seal's running surface is rebuilt permanently with full functionality

# SHAFT REPAIR SLEEVES



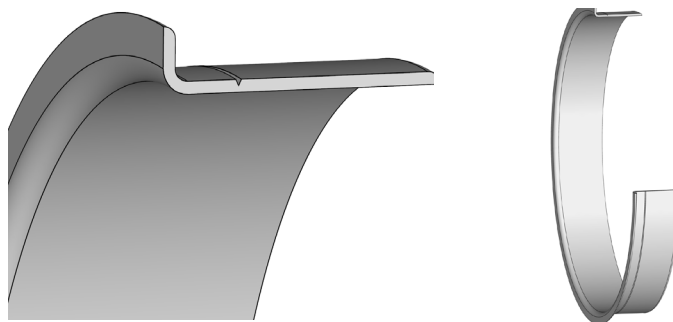
## WSH-R PROFILE

The shaft repair sleeve profile WSH-R is part of our standard portfolio. By using the WSH-R in case of repair, proper function can be restored quickly and permanently.

## TECHNICAL DATA

The following technical requirements must be met by shaft repair sleeves:

<b>Surface finish/ roughness values:</b>	Rz = 1 to 5 $\mu\text{m}$ Rmax $\leq$ 6.3 $\mu\text{m}$
<b>Machining of the surface:</b>	twist-free ground
<b>Surface hardness:</b>	HV 220 (95 HRB) wear-resistant machined



WSH profile

## OPERATING LIMITS

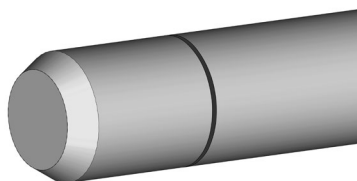
The operating limits, such as the temperature, circumferential speed, and pressure, are specified by the radial shaft seal chosen. The WSH-R generally covers the operating conditions for all common radial shaft seals.

## DESCRIPTION

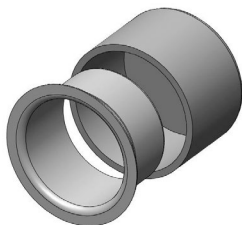
<b>Product group:</b>	WSH shaft repair sleeve
<b>Design:</b>	R Repair
<b>Material:</b>	stainless and acid-resistant steel 1.4301 (AISI 304)
<b>Wall thickness:</b>	0.28 mm thin-walled version

## DIMENSIONS

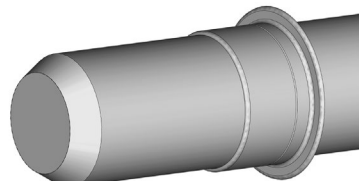
The currently available dimensions can be found on our website [dichtomatik.fst.com](http://dichtomatik.fst.com) or on our online ordering platform **EASY**.



Shaft with an inlet track



Mounting sleeve with a shaft repair sleeve



Shaft repair sleeve on the shaft

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