

# Mechanical seal ESD32T

dry-running

ESD32T

## Function

- Single acting, dry-running mechanical seal for low pressure applications
- Ready-to-install cartridge unit

## Advantages

- Suitable for sealing non-critical substances
- Plug + seal: no spring adjustment necessary pre-tension after installation
- Easy to monitor and install
- Dry operation eliminates the need for sealing liquid
- Redundant monitoring by temperature sensor with transmitter
- Visual wear indicator
- Leak tightness: minimal leakage from the vessel side

## Working limits

Operating pressure:	vacuum ... 4 bar (abs.)
Vessel temperature:	-10...+120°C
Shaft size:	25...220 mm
Sliding speed:	0...3,5 m/s
Certification:	acc. To ATEX 94/9/EC

## Materials

Housing:	Stainless steel
Seal rings:	Special carbon, silicon Carbide
O-rings:	FKM (Viton), EPDM, FFKM (Kalrez, Chemraz, etc.)
FDA approval:	Possible for all product-wetted parts

## Applications

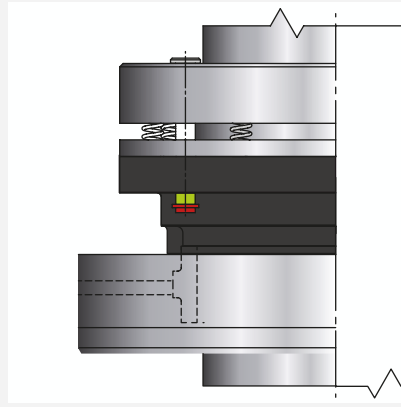
- Specialty chemicals
- Formulated consumer products
- Biofuels and bio refineries
- Storage tanks





### Plug + Seal

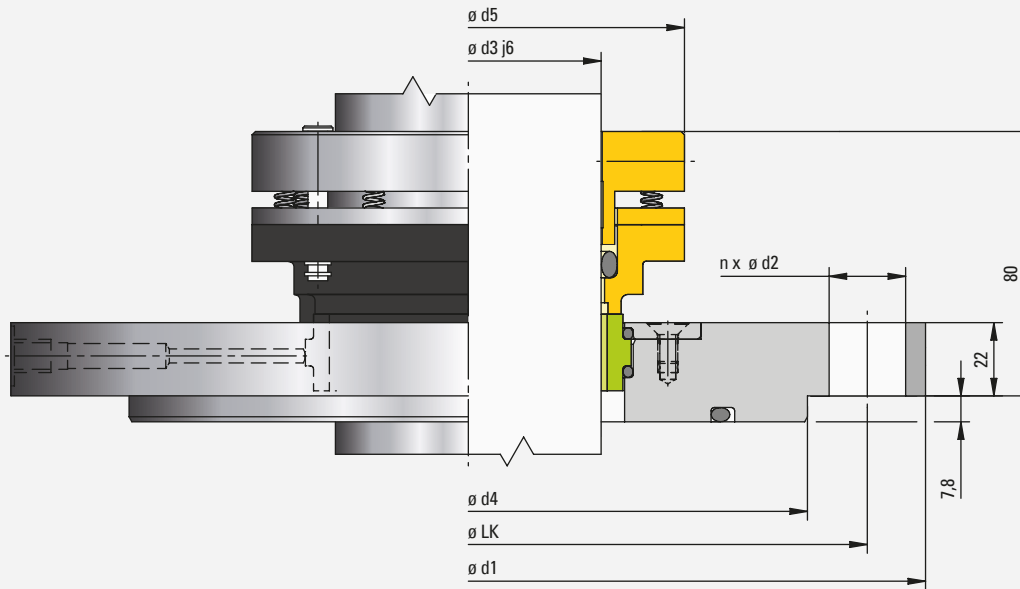
No adjustment of spring preload during installation.



### Wear

Wear indicator visible externally with integrated wear limit.

## Design Details ESD32T



Seal type / $\varnothing$	d1	d3	d4	d5	LK	n x d2
ESD32T / 040	175	40	110	90	145	4 x 18
ESD32T / 060	240	60	176	110	210	8 x 18
ESD32T / 080	275	80	204	130	240	8 x 23
ESD32T / 100	305	100	234	150	270	8 x 23
ESD32T / 120	330	120	260	175	295	8 x 23

All dimensions in mm. Other sizes available on request. Technical data are subject to changes.