

Friction Faces Materials

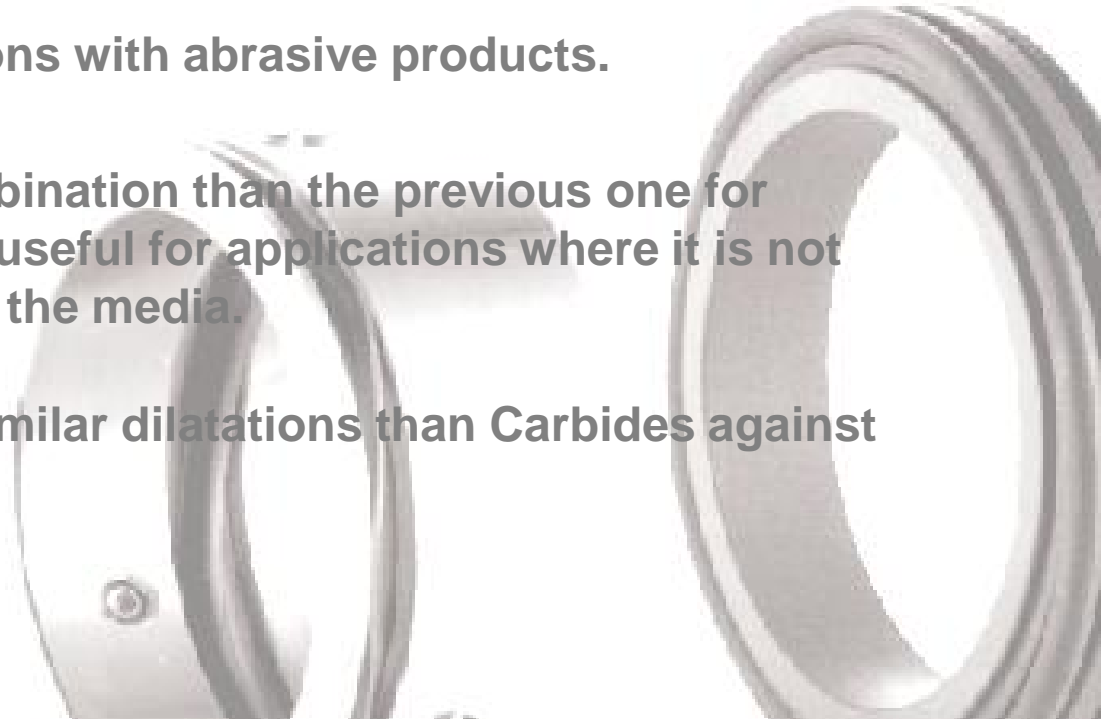
St.st/Graphite. It is the worst combination but it use to be the cheapest one.

Graphite/SiC. It is the best combination. It is very useful fot high temperature.

SiC/SiC. Useful for applications with abrasive products.

SiC/TungC. It is a better combination than the previous one for abrasive products. Also it is useful for applications where it is not acceptable small particles in the media.

St.st 329 supports to have similar dilatations than Carbides against temperature.





Materiales juntas

EPDM. Normally it is the standard material for our gaskets

Max. Temperature 140°C

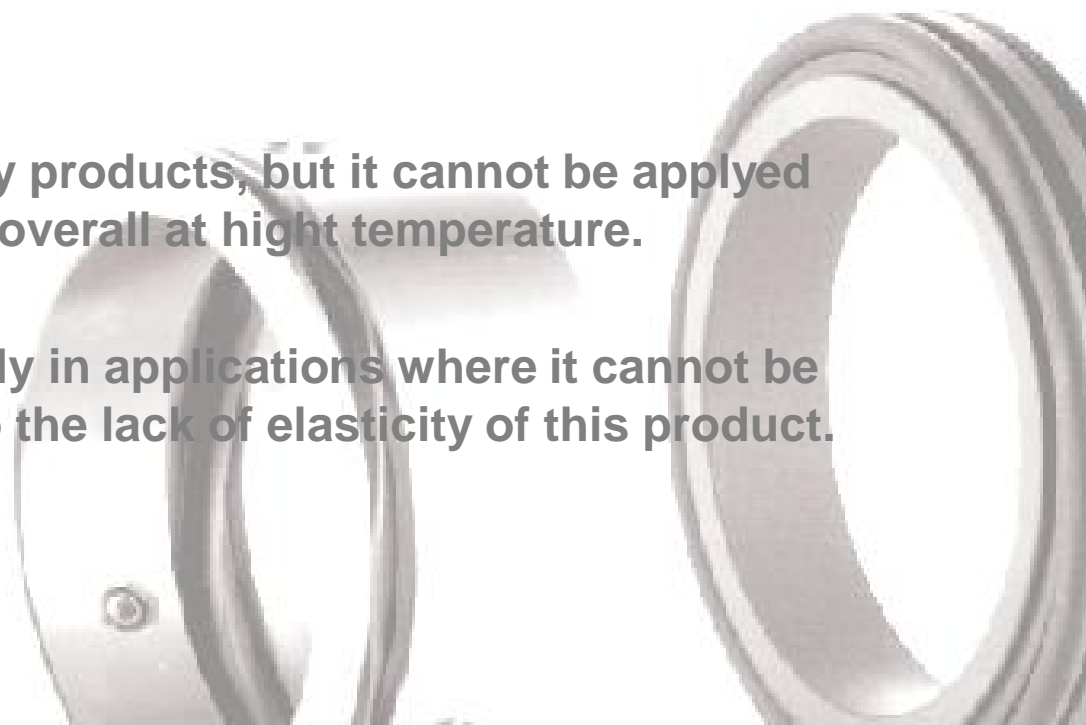
It is very useful for water based products, but it cannot be used for oily products neither acids.

VITON.

Max. Temperature 180°C

Very useful for acid and oily products, but it cannot be applied with water based products overall at high temperature.

PTFE. It should be used only in applications where it cannot be used another gasket due to the lack of elasticity of this product.





SESINDOKS

MECHANICAL SEALS

Types of assemblies

SINGLE SEALS

- Internal single seal
- External single seal
- Flushing

DOUBLE SEALS

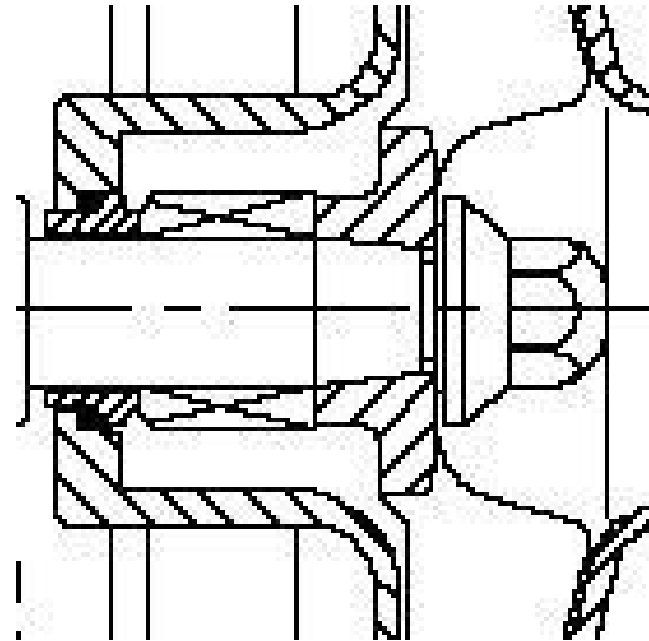
- Quench (seals in tandem, cooled seals). Not presurized
- Double seals. Presurized.



Types of assemblies

SINGLE SEALS

-Internal single seal

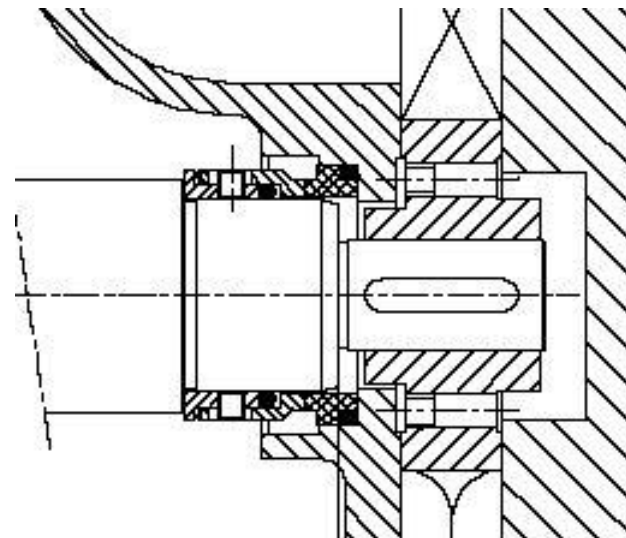


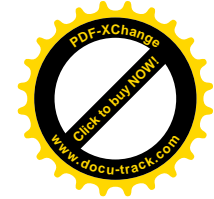


Types of assemblies

SINGLE SEALS

-External single seal

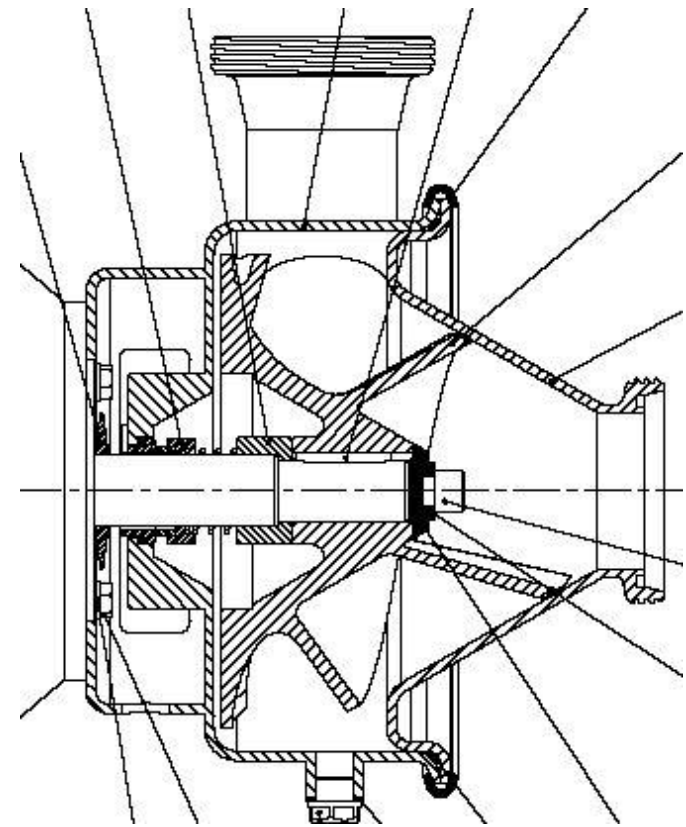


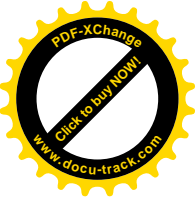


Types of assemblies

SINGLE SEALS

-Flushing

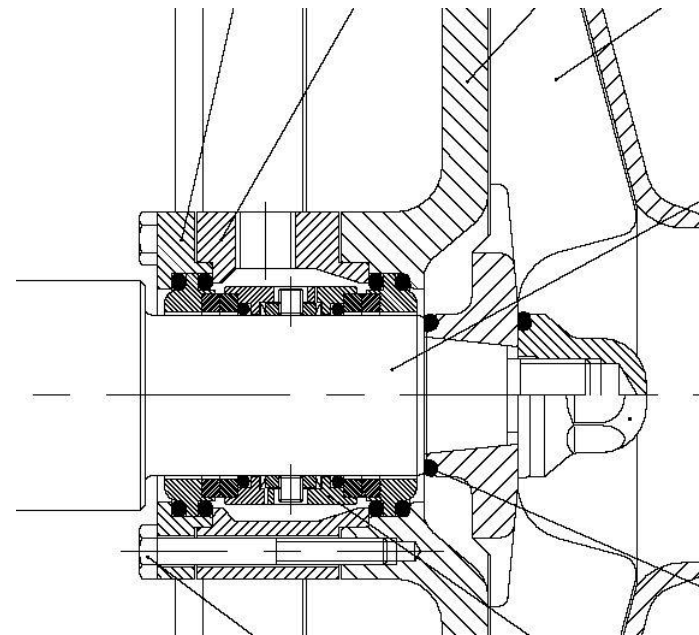
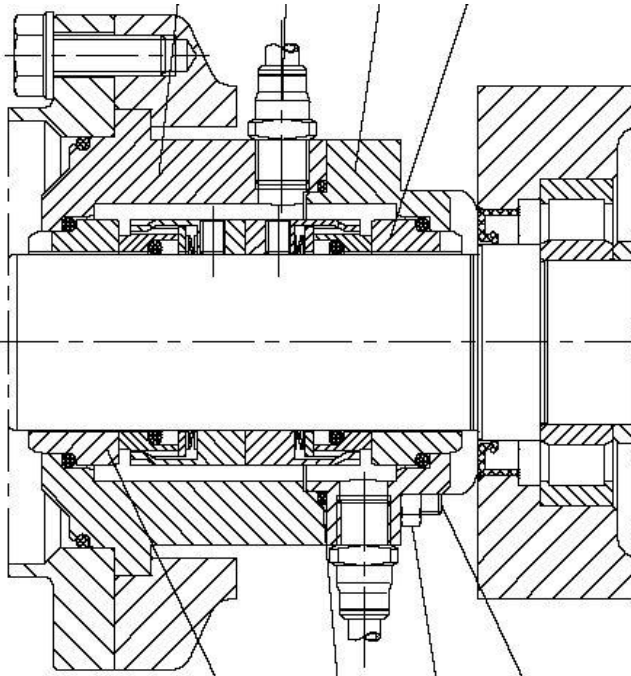


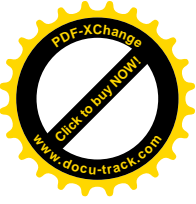


Types of assemblies

DOUBLE SEALS

-Double seal. Presurized.

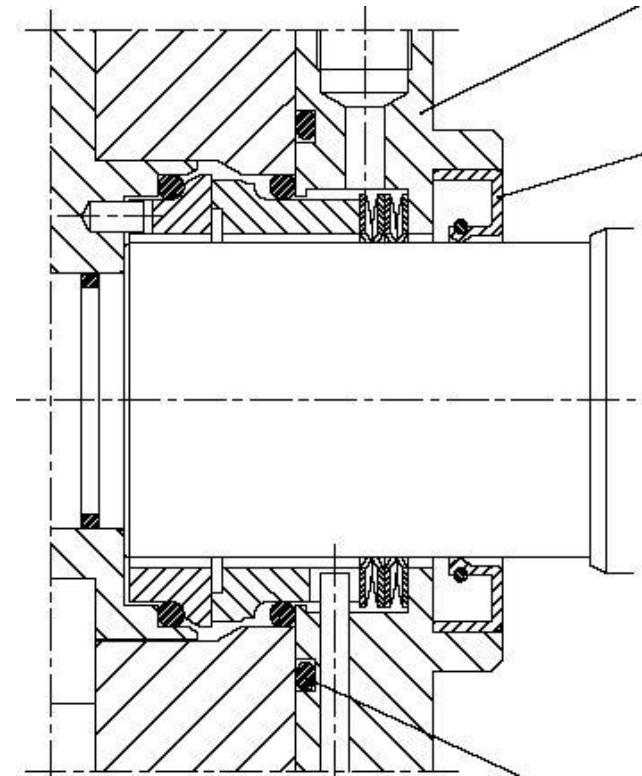
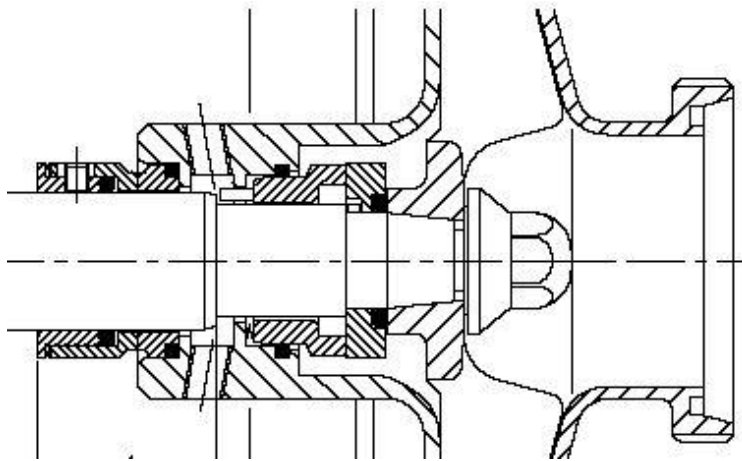




Types of assemblies

Double seals

-Quench (Tandem seals, flushed seals)





Flushed seals

Applications for flushed seals (Quench):

Pressure for the barrier liquid lower than 0,5 bars.

- Dry working
- Vacuum applications
- Cooling if product temperature is very high.
- Cleaning of the external part of the seal.
- To avoid the friction faces gets sticky and/or “caramelizing” of products.
- To avoid leakage if pumped products are dangerous.
- To force seal lubrication if product is very viscous.



Double seals

Application for double seals:

Pressure for the barrier liquid about 1-2 bars higher than the working pressure of the pump.

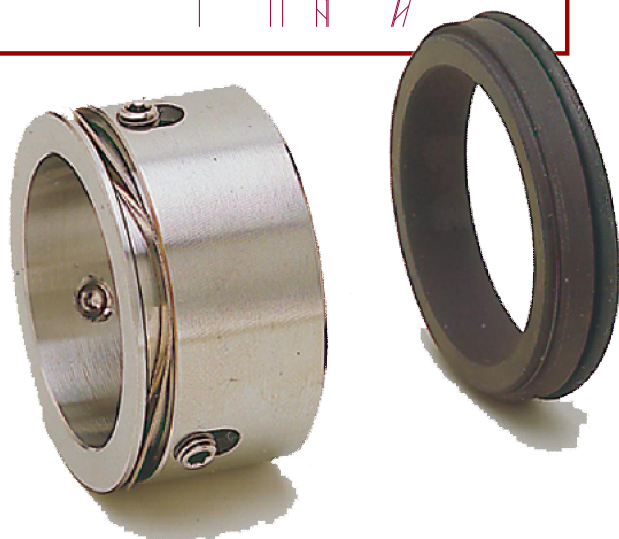
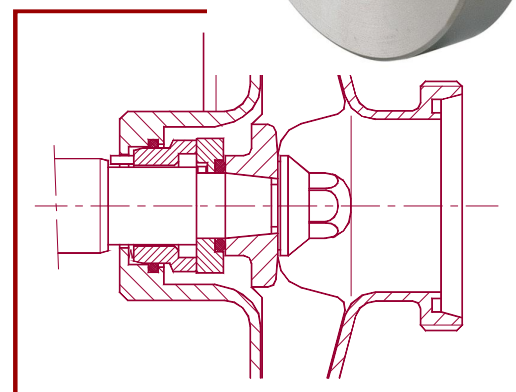
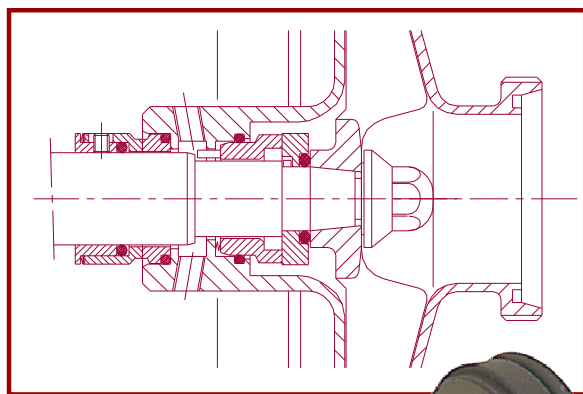
- To force that friction faces are lubricated with the barrier liquid, so it is avoided that lubrication is done by the working product in the case that this product is very

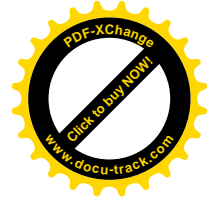


SESINDOKS

MECHANICAL SEALS

Mechanical seals - Prolac





SESINOKS

MECHANICAL SEALS

Mechanical seals-HYGINOX

DIN 24960 L1k





SESINOKS

MECHANICAL SEALS

Mechanical seals -SLR

