

GENERAL

In most cases the operating parameters of each seal application such as type of fluid being sealed, shaft R.P.M., ambient temperature, etc., will dictate what style of seal is best suited for the job. When help is needed in selecting the proper seal, Trostel engineers stand ready to offer their assistance and when necessary will assist in the design and development of a new seal.

Whenever practical, it is advisable to select a standard off-the-shelf seal that most closely meets the requirements of the application rather than designing a new seal.

Where engineering help is required, follow the guide lines below and supply all information listed noting special or unusual design considerations.

The check list below is provided to aid you in developing a set of seal specifications. Give all dimensions and tolerances as accurately as conditions will permit and where possible, include blueprints and detailed operating data along with the specifications.

SPECIFY

- Type of equipment seal is to be used in and a description of the application
- Type of mechanical sealing action: rotating, oscillating or reciprocating
- Shaft speed (fpm - feet per minute)
- Maximum and minimum operating temperatures on both sides of seal
- Pressure (psi) or vacuum of media on either side of seal
- Shaft finish (RMS or micro finish) and shaft eccentricities
- Type of service: continuous or intermittent
- Type of media being sealed: water, gas, lubricant, etc.
- Seal environment: clean, abrasive, acidic, etc.
- Unusual conditions that could affect seal performance
- Seal construction preferences:
 - Leather or synthetic sealing element
 - Single or double lip (wiper) construction
 - With or without spring
 - Pre-lubricated sealing element - If required, list lubricant preferred
 - Bore sealant on O.D. of seal - Indicate if required
 - Other special construction features

The information and recommendations in this catalog are intended only as a general guide to the application of Trostel Seals. Where more specific information is required, write or call the factory.