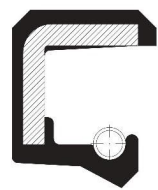


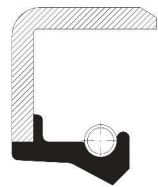
**Description of standard shaft seal types (in accordance with DIN 3760)**



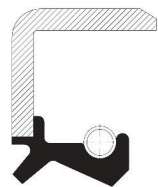
**A** Rubber covered O.D., metal insert, sealing lip with garter spring



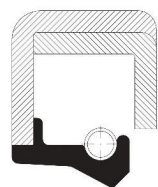
**AS** Rubber covered O.D., metal insert, sealing lip with garter spring and additional dust lip



**B** Outer metal case, sealing lip with garter spring



**BS** Outer metal case, sealing lip with garter spring and additional dust lip



**C** Outer metal case with reinforcing metal inner ring, sealing lip with garter spring




**CS** Outer metal case with reinforcing metal inner ring, sealing lip with garter spring and additional dust lip



**Additional types**


**AS - P** Reinforced sealing lip for overpressure, with or without additional dust lip




**AS - PX** Reinforced sealing lip and special metal insert for overpressure, with additional dust lip




**A - DUO** Twin sealing lips with two garter springs




**A - O** Sealing lip without garter spring




**A - FL** Different spring groove for a better spring retention, waved O.D.




**A - LD** Sealing lip with hydrodynamic ribs, left rotation




**A - RD** Sealing lip with hydrodynamic ribs, right rotation



**A - WD** Sealing lip with bi-directional hydrodynamic ribs




**ASX7** Waved rubber covered O.D., metal insert, sealing lip with garter spring, with or without dust lip




**A - EC** End covers




**A - TE** Rubber covered I.D. and sealing lip on O.D.




**B - O** Outer metal case, sealing lip without garter spring




**C - O** Outer metal case with reinforcing metal inner ring, without garter spring




**C - TE** Inner metal case and sealing lip on O.D.; type B-TE available as well



**C-DUO** Outer metal case with reinforcing cap, twin sealing lips with two garter springs



**COMBI SEAL**  
Combination of a shaft seal and an additional lip in polyurethane against soiling, all in one housing



**CASSETTE SEAL**  
Integrated sealing system: oil seal, wear sleeve and dust protection in one unit



**RADIASEAL**  
Rotary shaft seal with fabric reinforced outer diameter



**SPLITRING**  
Rotary shaft seal only rubber, split




**DINA Seal Metal OD**  
Rotary shaft seal for needle bearing applications, without spring



**DINA Seal Waved OD**  
Rotary shaft seal for needle bearing applications, without spring



**C64D** Rotary shaft seal for heavy industry




**Additional types**



**AX-7M**

This seal is designed for use in presence of pressure, up to max 0.6 [MPa]. A metallic band is inserted in the back of the seal. It is assembled in open housings and does not need a retaining flange. This profile is flexible and easy to assemble, ensuring stability in the housing



**AX-3M**

This seal does not need the retaining flange. The rubber seal has a flexible metal band in its shoulder, which makes it resistant, elastic and easy to install. This seal can be assembled in open housings and has a better resistance to possible misalignments. The spring is more protected than in standard seals



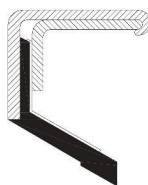
**AX-3ML**

Same profile as the AX-3M, but with a rigid metal insert inside the shoulder, instead of the flexible metal band



**C59D**

Interchangeable with Garlock® 59 seal, it is mostly used in steel mill plants or wherever a strong seal is necessary. This profile has a flexible rubber sealing lip and a metallic cage back with a finger-spring. The seal withstands a pressure of max 0.1 [MPa]



**C63D**

Interchangeable with Garlock® 63 seal, it is mostly used in hot steel mill plants. This profile has a flexible rubber sealing lip and a metallic cage back with a finger-spring



**AX-GL**

Originally designed to withstand large misalignments of some millimeters in static conditions, this seal can also be used for dynamic sealing with limited radial speed. The profile has a metallic cage inside its shoulder, with a spring that ensures the constant load operation

