



The Timken Company

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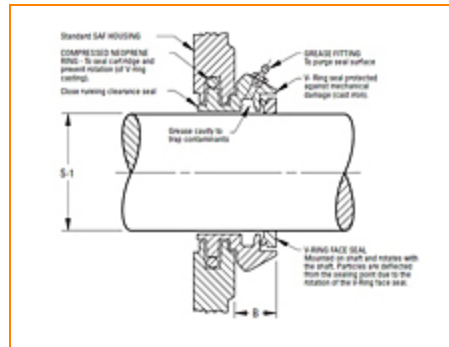
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Part Number DV-178, Inch DUSTAC™ Shaft Seal

- Suggested for pillow blocks used in extremely contaminated environments, such as taconite mines.
- Provides protection against residual and airborne contaminants that exceeds the triple labyrinth shaft seal.
- Contributes significantly to extending bearing life; reduces costs by helping prevent premature bearing damage.
- Because of its unique design, no special finish is required on the shaft. DUSTAC is a patented device utilizing a V-shaped nitrile ring that rotates with the shaft and applies

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Specifications

Diameter S-1	9 1/2 in
Assembly Standout B	1 15/32 in
V-Ring Seal	V-250-A
O-Ring	2-274
End Plug	EPS-32



ut/Lockplate

Order Instructions

- Shaft seal may be ordered in place of the standard LER triple ring seals supplied with the pillow blocks listed. They also are available to retrofit existing installations.
- To order any pillow block housings with DUSTAC shaft seal on both sides, add the suffix "DV" to the number (e.g., SAF2522DV).
- To order pillow block housings with DUSTAC shaft seal and one end closed, add the suffix "DC" to the number (e.g., SAF22522DC).
- Standard sizes of DUSTAC shaft seals are shown in the table. Other sizes are available upon request.

Order Instructions

Installation Procedure

1. Check shaft diameters to print specification. Remove any burrs or sharp edges. Be sure shaft surface is clean and dry beyond the area of seal location.
2. Expand the V-ring seal over the shaft to the approximate inboard position (reference dimension "B" in the tables). Make sure the lip of the seal faces the bearing.
3. Slide the seal cartridge onto the shaft until the V-ring fits into its cavity.
4. Mount the bearing, sleeve, lockwasher and locknut in normal manner and adjust for internal clearance.
5. If both ends have seals, repeat steps 2 and 3 with the V-ring going on last with its lip facing the bearing.
6. Thoroughly clean the housing base and remove any paint or burrs from the mating surfaces of the housing cap.
7. Lower shaft, bearing and seals into the housing base, taking care to guide the seals into the seal grooves.
8. On each shaft there must be only one fixed bearing. If the bearing is to be fixed, the stabilizing ring can be inserted between the bearing outer ring and the housing shoulder on the locknut

side of the bearing. All other bearings on this shaft should be centered in the housing.

9. The upper half of the housing or cap should be thoroughly cleaned and checked for burrs. Place it over the bearing and seals. The dowel pins will align the cap to the base.

NOTE: housing caps and bases are not interchangeable.

10. After cap bolts are tightened, it is most important to position the V-ring seal to its proper fitted width. This is accomplished by moving the seal until it is flush with the outside face of the cavity. This provides proper compression of the lip against the cartridge face.