



# NSK

## SAF PILLOW BLOCK HOUSINGS

NSK SAF Series Pillow Blocks provide robust performance in severe operating conditions where mechanical shock loads, corrosion and extreme temperatures demand advanced bearing protection from an exceptionally sturdy housing. Manufactured for durability from heavy-duty material options, NSK SAF Pillow Blocks are available with a number of seal options uniquely designed to keep water and contaminants out while keeping lubrication inside the housing.

### PROVEN BENEFITS

- › Preserves optimum bearing lubrication and prevents ingress of contaminants
- › Optional seal designs for contaminated environments
- › Resistant to corrosion, mechanical shock and resilient in extreme temperatures
- › Split design simplifies mounting and dismounting
- › Dimensionally interchangeable for replacement of competitive designs

### CONDITIONS

- HL** HIGH LOADS
- CO** CONTAMINATION
- WT** WATER EXPOSURE

**MS** MECHANICAL SHOCK

**ET** EXTREME TEMPERATURES

STAY IN MOTION. STAY IN CONTROL.

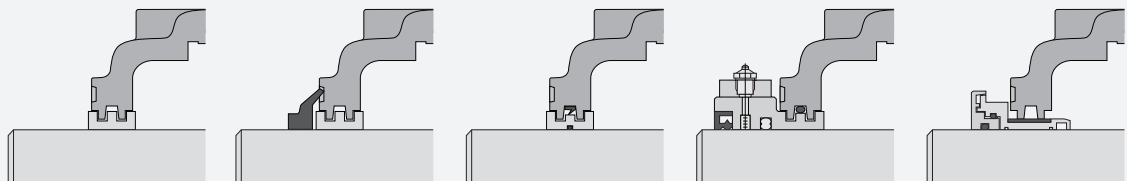
## DESIGN FEATURES

- › Manufactured from cast iron, ductile iron or cast steel
- › Wide variety of series/sizes for shafts as large as 10 1/2"
- › Equipped with multiple relubrication points and large inlet holes
- › Internal cross-porting for improved oil flow
- › Landing platform accommodates external sensors and lubrication systems
- › Delivered with labyrinth seal and fixing ring included
- › Optional dust covers and seal designs available for increasingly contaminated operating environments

## POPULAR SERIES

SERIES	FOR SHAFTS RANGING	FOR BEARING SERIES
SAF000	4 3/16" TO 10 1/2"	230
SAF200	3" TO 9 9/16"	12 / 22 / 222
SAF300	1 7/16" TO 8 3/4"	13 / 23 / 213 / 223
SAF500	1 7/16" TO 7 15/16"	12 / 22 / 222
SAF600	1 7/16" TO 7 3/16"	13 / 23 / 213 / 223

## SEAL OPTIONS AND CHARACTERISTICS



### SEAL PERFORMANCE CHARACTERISTICS

	LER	LER-DC	PER-PTV	TER-OS	OLB
Grease lubrication	good	very good	good	excellent	excellent
Oil lubrication	good	very good	good	excellent	excellent
Friction torque	very good	good	very good	good	very good
Speed	same as bearing	8 m/s	same as bearing	7 m/s	same as bearing
Temperature range	same as bearing	-40° to 100°C	100°C maximum	-40° to 100°C	up to 200°C

### SEAL PROTECTION CHARACTERISTICS

	LER	LER-DC	PER-PTV	TER-OS	OLB
Dust	good	very good	very good	excellent	excellent
Large Particles	good	excellent	good	excellent	excellent
Water	good	very good	good	excellent	very good