



We pioneer motion

FAG MaxTAC® Seals

Maximum protection for extremely contaminated and wet environments

Selecting the proper seal arrangement to protect against contamination and moisture is often the most important consideration when choosing a bearing and housing assembly.

Thanks to the state-of-the-art engineering and virtually unbeatable protection provided by FAG MaxTAC Taconite seals from Schaeffler, this critical decision has now become an obvious choice.

FAG MaxTAC Seals

Unbeatable protection against contamination

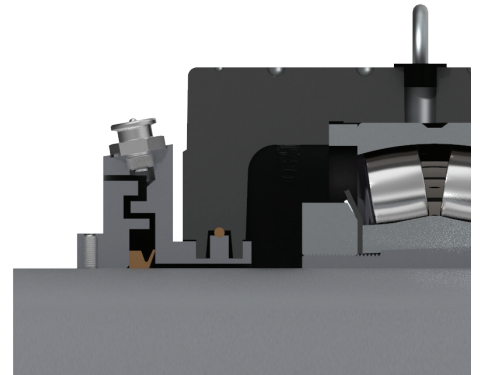
FAG MaxTAC taconite seals from Schaeffler are comprised of a labyrinth seal and a V-ring seal, the latter of which prevents contamination from entering the housing and aids in grease purging. With their highly effective phosphate surface treatment, FAG MaxTAC seals are the perfect solution for extremely contaminated environments.

Features

- Manufactured from high-grade steel
- Durotect® Z (zinc phosphate) coating as standard
- Non-contact seal design
- V-ring seal prevents contamination from entering the housing and aids in grease purging
- Seal flinger is secured to the shaft with three set screws spaced at 120° intervals
- Solid and split designs available
- Inch and metric sizes available
- Includes accessory package featuring both Zerk and button head grease fittings plus associated dust caps

Benefits

- Fits directly into the labyrinth seal grooves of standard SAF-series housings
- Compact design
- Eliminates shaft wear common to competitor's designs
- Accepts greater misalignments than contact lip seals
- Offers exceptional speed characteristics equivalent to bearing speed limits
- Provides excellent corrosion resistance



Industries

- Mineral processing
- Mining
- Cement
- Pulp & Paper
- Metals

Typical applications

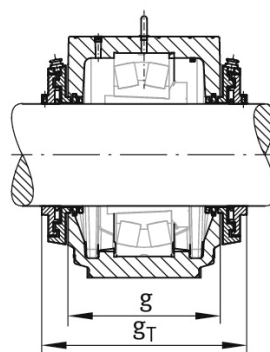
- Conveyor pulleys
- Bucket elevators
- Fans
- Grinding mill pinion housings
- Hoists

Filling and purging grease

Every FAG MaxTAC taconite seal is supplied with a grease fitting for regreasing the labyrinth, which purges the labyrinth of contamination and helps block the ingress of any new of contaminants.

MaxTAC taconite seals offer three convenient regreasing options:

- Manual – using a grease gun
- Automatic – using Schaeffler's FAG CONCEPT1™ single-point automatic lubricator
- Automatic – using Schaeffler's FAG CONCEPT8™ multi-point lubrication system



Technical drawing of a cross-section of a mechanical assembly. The drawing shows a central component with a flange and a base. Dimensions g and g_{TD} are indicated at the bottom.

Housing Size	Shaft Dia. mm	MaxTAC Seal	g inch	g _T inch	g _{TD} inch
SAF509	40	NTC17XM40	3 7/16	-	-
SAF510	45	NTC20XM45	3 7/16	-	-
SAF511	50	NTC24XM50	3 3/4	-	-
SAF513	60	NTC29XM60	4 1/4	6.65	5.45
SAF515	65	NTC37XM65	4 5/8	7.35	6.00
SAF516	70	NTC44XM70	4 3/4	7.45	6.15
SAF517	75	NTC53XM75	4 13/16	7.70	6.30
SAF518	80	NTC188XM80	5 1/2	8.00	6.75
SAF520	90	NTC102XM90	5 13/16	8.70	7.30
SAF522	100	NTC109XM100	6 7/16	9.30	7.85
SAF524	110	NTC113XM110	7 1/8	10.10	8.60
SAF526	115	NTC117XM115	7 3/4	10.75	9.25
SAF528	125	NTC122XM125	7 3/8	10.35	8.85
SAF530	135	NTC125XM135	8 1/8	11.25	9.70
SAF532	140	NTC130XM140	8 1/2	11.80	10.15
SAF534	150	NTC140XM150	9 1/4	12.90	11.10
SAF536	160	NTC148XM160	9 5/8	12.70	11.15
SAF538	170	NTC155XM170	10 1/2	13.80	12.15
SAF540	180	NTC159XM180	11	15.55	13.30
SAF544	200	NTC167XM200	11 3/4	16.25	14.00

NTC G 122 X 415

- NTC** MaxTAC taconite seal
- G** Split MaxTAC taconite seal
- 122** Shaft diameter
125 125 mm
- X** Shaft dimensions
X inch dimensions
XM metric dimensions

Designation according to industry standard

