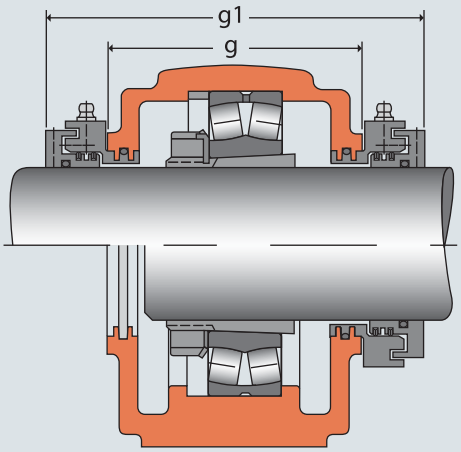
FAG

FAG SuperTac II Taconite Seals
The Drop-in Solution

SCHAEFFLER GROUP
INDUSTRIAL

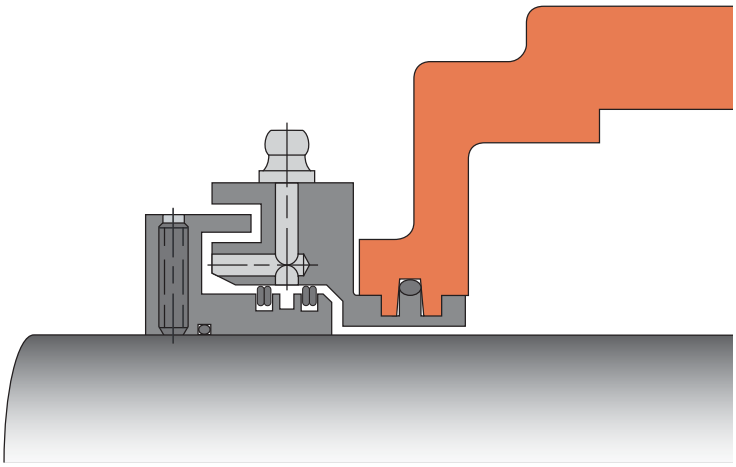


Dimensions “g” and “g1” apply to SuperTac II seals installed with FAG series SAF5..D pillow blocks. Dimensions may vary when using SuperTac II seals with non-ductile iron FAG SAF series pillow blocks, or with a non-FAG pillow block.

FAG Super Tac II Taconite Seals

Shaft inch / mm	Pillow Block	FAG Seal No.	Dimensions g inch / mm	g1 inch / mm
1 7/16	SAF509	TA17A	3.420	5.910
			87	150
1 11/16	SAF510	TA20A	3.420	5.910
			87	150
1 15/16	SAF511	TA24A	3.750	6.269
50		TA24A.M	95	159
2 3/16	SAF513	TA29A	4.250	6.782
			108	172
2 7/16	SAF515	TA37A	4.625	7.367
			117	187
2 11/16	SAF516	TA44A	4.750	7.520
70		TA44A.M	121	191
2 15/16	SAF517	TA53A	4.813	7.740
75		TA53A.M	122	197
3 3/16	SAF518	TA188A	5.500	8.138
80		TA188A.M	140	207
3 7/16	SAF520	TA102A	5.813	9.025
90		TA102A.M	148	229
3 15/16	SAF522	TA109A	6.438	9.682
100		TA109A	164	246
4 3/16	SAF524	TA113A	7.125	10.314
			181	262
4 7/16	SAF526	TA117A	7.750	11.214
115		TA117A.M	197	285
4 15/16	SAF528	TA122A	7.375	10.818
125		TA122A.M	187	275
5 3/16	SAF530	TA125A	8.125	11.890
135		TA125A.M	206	302
5 7/16	SAF532	TA130A	8.500	12.215
140		TA130A.M	216	310
5 15/16	SAF534	TA140A	9.250	13.150
150		TA140A.M	235	334
6 7/16	SAF536	TA148A	9.625	13.720
160		TA148A.M	244	348
6 15/16	SAF538	TA155A	10.500	14.671
170		TA155A.M	267	373
7 3/16	SAF540	TA159A	11.000	15.417
180		TA159A.M	279	392
7 15/16	SAF544	TA167A	11.750	16.265
200		TA167A.M	298	413

SuperTac II seals are unavailable for some metric shaft sizes due to inadequate space between the shaft and housing seal grooves to accommodate the seal design.



At the Sign of Contamination, the Seal that Delivers

In the most severe service conditions, for which FAG pillow blocks are so highly suited, it is common for the rolling bearings to be exposed to the risk of the adverse affects of environmental contamination. In order to prevent premature bearing failure due to localized pollutants, the selection of a reliable seal arrangement can become the most important consideration in the bearing and housing assembly.
For a virtually impenetrable and standard seal design, FAG offers the drop-in SuperTac II.

Design Features

- FAG SuperTac II seals are manufactured from high grade steel with black oxide coating as standard; special design option of nickel plating is available upon request
- the internal design features a radial / axial web barrier to external contaminants
- a grease packed radial labyrinth is formed by high grade spring steel laminar rings that align into two close running barriers, separated by a lubricant distribution channel
- working together with the grease purged axial labyrinth, the result is a web that stands virtually impenetrable
- the seal flinger is equipped with 2 set screws spaced at a 65° interval for maximum holding power to the shaft
- an o-ring in the flinger bore prevents the ingress of fluids between the seal and shaft

Operating Benefits

- FAG SuperTac II is designed as a drop-in fit to the seal grooves of FAG series SAF pillow blocks, as well as many competitive designs, eliminating the need for special housing features
- the non-contact seal design eliminates shaft wear common to competitive designs
- SuperTac II seals accept greater misalignments than lip seals
- exceptional speed characteristics: equivalent to bearing speed limits

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