

Split plumber block housings SNS

Seals and covers

For sealing of the bearing housings, the following standard seals are available:

- labyrinth seals and Taconite seals, each in a split and unsplit design. These seals are matched to the rectangular section annular slots on both sides of the housings SNS...-H and SNS...-Z.
- Bolt-on seals. These seals are screw mounted to the outside of housings SNS...-B.

If a housing closed on one side is required, the following covers are available:

- covers NDK, for housings SNS...-H and SNS...-Z
- covers BDK, for housings SNS...-B.

Seals and covers must be ordered specially. Seals are supplied individually. If a continuous shaft is present, two seals must be ordered.

Labyrinth seals NTS

Labyrinth seals NTS give non-contact sealing. They are therefore suitable for high circumferential velocities. The round cord made from fluoro rubber FKM pressed between the labyrinth ring and shaft is suitable for temperatures up to +200 °C.

The labyrinth seal allows shaft misalignment of up to 0,3° in both directions and is suitable for grease lubrication. If necessary, the labyrinth can be relubricated. For this purpose, a lubrication hole must be made in the upper housing section for each labyrinth seal. The optimum positions are indicated by cast-in pilot holes.

Taconite seals NTC

Taconite seals NTC are combined seals comprising a labyrinth seal and a V ring. These seals are suitable for extreme operating conditions in relation to contamination and dust. The V ring is made from NBR and is suitable for temperatures up to +100 °C.

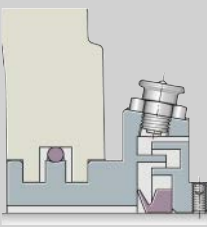
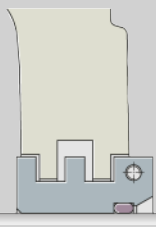
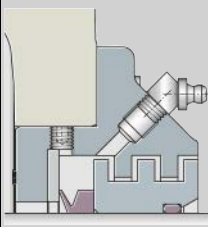
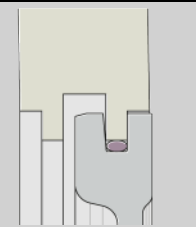
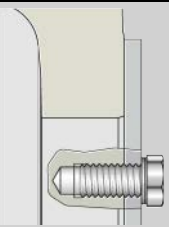
The Taconite seal allows shaft misalignment of up to 0,3° in both directions and is suitable for grease lubrication. For relubrication, the seal is fitted with a lubrication nipple.

Split labyrinth seals NTSG

For plumber block housings SNS, labyrinth seals are also available in a split design. As a result, the work involved in replacing the seal can be considerably reduced, especially if a split bearing is also fitted.

The characteristics and operating limits correspond to those of the unsplit labyrinth seal NTS.

Split labyrinth seals NTSG are available in various sizes, see table, page 13. Other sizes are available by agreement.

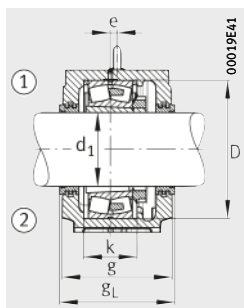
Taconite seal	Labyrinth seal, split	Bolt-on seal	Cover	
				
NTC	NTSG	BTAC	NDK	BDK
Steel, NBR	Steel, FKM	Steel, NBR	Steel, FKM	Steel
1	1	1	1	1
++	(+)	++	++	++
++	+	++	++	++
++	+	++	++	++
++	++	++	++	++
++	–	++	++	++
–30 to +100 (due to NBR)	–20 to +200 (due to FKM)	–30 to +100 (due to NBR)	–20 to +200 (due to FKM)	Not applicable
–22 to +210 (due to NBR)	–4 to +390 (due to FKM)	–22 to +210 (due to NBR)	–4 to +390 (due to FKM)	Not applicable
12	No restriction	12	Not applicable	Not applicable
≤ 0,3	≤ 0,3	≤ 0,4	Not applicable	Not applicable
+	++	+	Not applicable	Not applicable
+	+	+	Not applicable	Not applicable
(+)	–	–	++	++
+	+	++	++	++
(+)	–	–	+	–
++	++	++	++	++
h8 (h9)	h8 (h9)	h8 (h9)	Not applicable	Not applicable
Ra 3,2	Ra 3,2	Ra 3,2	Not applicable	Not applicable

**Designation structure
of standard seals**

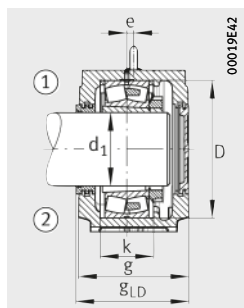
Feature		Code	Description
①	Series	NTS	Labyrinth seal
		NTC	Taconite seal
		NTSG	Split labyrinth seal
		NTCG	Split Taconite seal
		BTAC	Bolt-on seal
②	Dimension series	36	Dimension series 36
③	Shaft diameter	No further indications	Standard shaft diameter of dimension series
		/125	Metric shaft diameter: ■ 125 mm
		X415	Inch size shaft diameter: ■ 4 inch + 15 · 1/16 inch = 4 ¹⁵ /16 inch



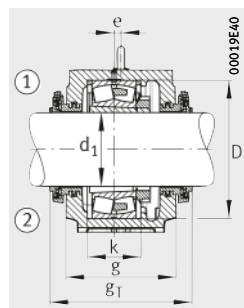
Figure 19
Designation structure
of standard seals,
examples



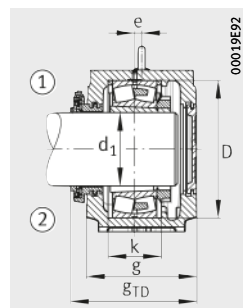
Labyrinth seal NTS



Labyrinth seal NTS
Cover NDK



Taconite seal NTC



Taconite seal NTC
Cover NDK

									Housing		
Locating ring		Labyrinth seal			Taconite seal			Cover	G	Mass m ≈ kg	Designation
	Quantity		gL mm	gLd mm		gT mm	gTD mm				
NFR280/7,5	2	NTS34/115	241	235,5	NTC34/115	299	264	NDK34	M16	75	SNS3134-H-D
NFR300/7	2	NTS36/125	251	245,5	NTC36/125	310	274,5	NDK36	M16	83	SNS3136-H-D
NFR320/8	2	NTS38/135	271	265,5	NTC38/135	330	294,5	NDK38	M20	102	SNS3138-H-D
NFR290/17,5	2	NTS38/140	251	245,5	NTC38/140	312	275,5	NDK38	M16	86	SNS3038-H-D
NFR340/9	2	NTS40/140	291	285,5	NTC40/140	347	313	NDK40	M20	133	SNS3140-H-D
NFR290/5,5	2	NTS38/140	251	245,5	NTC38/140	312	275,5	NDK38	M16	86	SNS3038-H-D
NFR310/18	2	NTS40/150	271	265,5	NTC40/150	326	293	NDK40	M20	105	SNS3040-H-D
NFR360/10	2	NTS48/150	301	295,5	NTC48/150	380	335	NDK48	M20	148	SNS3048-H-D
NFR280/10	2	NTS34 ²⁾	241 ³⁾	235,5 ⁴⁾	NTC34	299	264,5	NDK34	M16	75	SNS3134-H-D
NFR280/10	2	NTS34 ²⁾	241 ³⁾	235,5 ⁴⁾	NTC34	299	264,5	NDK34	M16	75	SNS3134-H-D
NFR310/6	2	NTS40/150	271	265,5	NTC40/150	327	293	NDK40	M20	105	SNS3234-H-D
NFR320/19	2	NTS38/160	271	265,5	NTC38/160	329	294,5	NDK38	M20	102	SNS3138-H-D
NFR280/17	2	NTS36 ²⁾	241 ³⁾	235,5 ⁴⁾	NTC36	304	267	NDK36	M16	74	SNS3036-H-D
NFR280/17	2	NTS36 ²⁾	241 ³⁾	235,5 ⁴⁾	NTC36	304	267	NDK36	M16	74	SNS3036-H-D
NFR300/10	2	NTS36 ²⁾	251 ³⁾	245,5 ⁴⁾	NTC36	314	277	NDK36	M16	83	SNS3136-H-D
NFR300/10	2	NTS36 ²⁾	251 ³⁾	245,5 ⁴⁾	NTC36	314	277	NDK36	M16	83	SNS3136-H-D
NFR320/6	2	NTS38/160	271	265,5	NTC38/160	330	294,5	NDK38	M20	102	SNS3236-H-D
NFR340/10	4	NTS40/170	291	285,5	NTC40/170	346	313	NDK40	M20	133	SNS3140-H-D
NFR400/8	2	NTS48/170	321	315,5	NTC48/170	401	355	NDK48	M24	184	SNS3148-H-D
NFR290/10	4	NTS38 ²⁾	251 ³⁾	245,5 ⁴⁾	NTC38	312	275,5	NDK38	M16	86	SNS3038-H-D
NFR290/10	4	NTS38 ²⁾	251 ³⁾	245,5 ⁴⁾	NTC38	312	275,5	NDK38	M16	86	SNS3038-H-D
NFR320/10	2	NTS38 ²⁾	271 ³⁾	265,5 ⁴⁾	NTC38	334	297	NDK38	M20	102	SNS3138-H-D
NFR320/10	2	NTS38 ²⁾	271 ³⁾	265,5 ⁴⁾	NTC38	334	297	NDK38	M20	102	SNS3138-H-D
NFR340/6	2	NTS40/170	291	285,5	NTC40/170	347	313	NDK40	M20	133	SNS3238-H-D