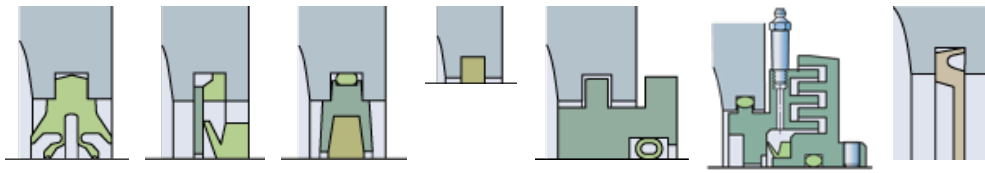


table 1 - Standard sealing solutions for SNL and SE plummer block housings



Seal							
Type	Four-lip split	V-ring	Felt seal split	Felt strip split	Labyrinth	Taconite	End cover
Designation	TSN .. L	TSN .. A	TSN .. C	FS 170	TSN .. S	TK ..	ASNH ..
Material	thermoplastic polyester elastomer	nitrile rubber, steel	felt, nitrile rubber, aluminium	felt	steel, silicone	steel or cast iron, nitrile rubber	polymer
Seals per pack	2 seals	2 seals	2 seals	1 strip ²⁾	1 seal	1 seal	1 end cover
Application conditions and requirements							
Temperature [°C]	-40 to +100	-40 to +100	-40 to +100	-40 to +100	-50 to +200	-40 to +100	-40 to +110
Temperature [°F]	-40 to +210	-40 to +210	-40 to +210	-40 to +210	-60 to +390	-40 to +210	-40 to +230
Max. circumferential speed ¹⁾ [m/s]	13	7 ²⁾	4 ²⁾	4 ²⁾	not limited	12	n/a
Max. misalignment [°]	1 to 0,5	1,5 to 1	0,5	0,5	0,3	0,5	n/a
Low friction	++	++	-	-	++	+	n/a
Axial shaft displacement	++	-	++	++	+	+	n/a
Vertical arrangement	+	++ ³⁾	—	—	—	+	++
Replacement	++	-	+	+	-	-	++
Shaft tolerance class	h9 [Ⓞ]	n/a	h9 [Ⓞ]	h9 [Ⓞ]	h9 [Ⓞ]	h9 [Ⓞ]	n/a
Shaft roughness R _a [µm]	≤ 3,2	n/a	≤ 3,2	≤ 3,2	≤ 3,2	≤ 3,2	n/a
Sealing suitability							
Dust	++	+	-	-	-	++	++
Fine particles	++	+	-	-	+	++	++
Coarse particles	++	+	+	+	+	++	++
Chips	+	—	+	+	++	++	++
Liquids when sprayed	+	+	-	-	—	++	++
Direct sunlight	+	—	++	++	++	++	++

Symbols: n/a not applicable, ++ very suitable, + suitable, - limited suitability, — unsuitable

- 1) To convert circumferential speeds to rotational speeds, refer to table.
- 2) Higher speeds are possible. For details, refer to the text about the relevant seal.
- 3) For details see text about the relevant seal.

