

One basic design – many variants

SNL plummer block housings are primarily intended for self-aligning ball bearings, spherical roller bearings and CARB toroidal roller bearings. The housings are designed on the "building block" principle to enable a wider choice of bearings and seals as well as a variety of mounting and lubrication methods.

A building block system

The SKF assortment of SNL plummer block housings can accommodate shafts ranging from 20 to 160 mm in diameter. These housings, which all share the same design features, are available with a variety of seals. The standard range also includes a number of options, like tapped holes for grease fittings and condition monitoring sensors, to create an almost limitless combination of variants. Housings are also available for bearings for larger shaft diameters (→ **page 103**).

SNL plummer block housings are made of high quality, grey cast iron to provide high tensile strength. For applications where additional strength is required, housings made of spheroidal graphite cast iron are available.

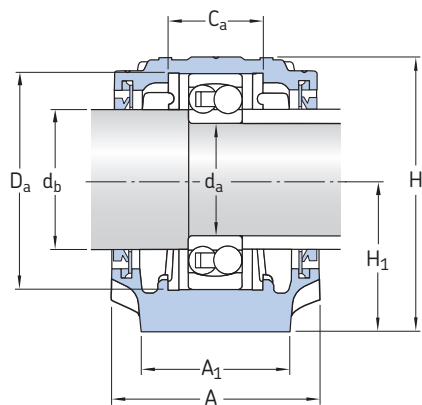
Several sealing options

An important advantage of the SNL plummer block housings is that they can be fitted with a variety of seals. Standard SKF seals include four-lip seals, V-ring seals, felt seals, labyrinth seals and heavy-duty taconite labyrinth seals with a radial labyrinth and end covers. Other standard seals are also available for SNL housings, but the housing has to be modified for the seal to be effective. These include oil seals and heavy-duty taconite labyrinth seals with an axial labyrinth.

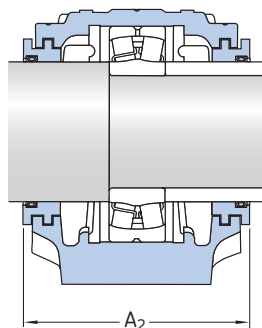
SNL plummer block housings are dimensionally interchangeable with the earlier SNH housings. Their dimensions conform to ISO 113:1999.

SNL plummer block housings for bearings with a cylindrical bore

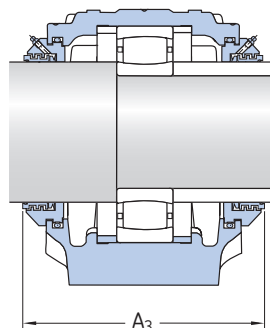
d_a 65 – 80 mm



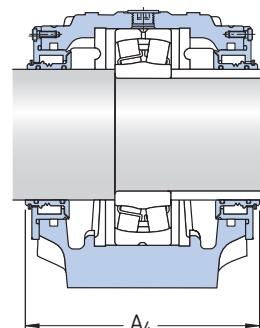
V-ring seals, A design



Labyrinth seals, S design



Taconite seals, ND design



Oil seals, TURU design

Shaft d _a	Housing Dimensions										Mass	Designations Housing	Seals	End cover
	A	A ₁	H	H ₁	H ₂	J	L	N	N ₁	G				
mm	mm										kg	–		
65	110	80	149	80	30	230	275	24	18	16	6,10	SNL 213 SNL 513-611 SNL 213 SNL 213	TSN 213 A 4 FS 170 TSN 213 S TSN 213 ND	ASNH 516-613 ASNH 513-611 ASNH 516-613 ASNH 516-613
	120	90	177	95	32	260	315	28	22	20	9,50	SNL 516-613 SNL 516-613 SNL 516-613 SNL 313 TURU	TSN 313 A TSN 313 S TSN 313 ND included	ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 216 R
70	125	90	183	95	32	260	320	28	22	20	10,0	SNL 517 SNL 517 SNL 517 SNL 314 TURU	TSN 314 A TSN 314 S TSN 314 ND included	ASNH 517 ASNH 517 ASNH 517 ASNH 217 R
75	115	80	155	80	30	230	280	24	18	16	6,60	SNL 215 SNL 515-612 SNL 215 SNL 215	TSN 215 A 4 FS 170 TSN 215 S TSN 215 ND	ASNH 518-615 ASNH 515-612 ASNH 518-615 ASNH 518-615
	140	100	194	100	35	290	345	28	22	20	12,5	SNL 518-615 SNL 518-615 SNL 518-615 SNL 315 TURU	TSN 315 A TSN 315 S TSN 315 ND included	ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 218 R
80	120	90	177	95	32	260	315	28	22	20	9,00	SNL 216 SNL 516-613 SNL 216 SNL 216	TSN 216 A 4 FS 170 TSN 216 S TSN 216 ND	ASNH 216 ASNH 516-613 ASNH 216 ASNH 216
	145	100	212	112	35	290	345	28	22	20	13,7	SNL 519-616 SNL 519-616 SNL 519-616 SNL 316 TURU	TSN 316 A TSN 316 S TSN 316 ND included	ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 R