

Seal selection

There are a wide variety of sealing options for the housing due to the large number of potential applications. The correct choice of sealing system depends on several factors. Below, you will find important information about all of the sealing options that are included in the standard range of SNC bearing housings.

All SNC units are designed for both through shafts and for shaft end bearing arrangements. A cover (SC...EC) is available for these versions. This is inserted in the groove between the upper and lower sections in place of the second seal. To provide maximum flexibility when it comes to selecting, SNC seals are packaged as a set. One seal set is required for each side of the housing.

						
Structural properties		SC..DS Double lip seal	SC..FS Felt strip seal	SC..SV V-ring seal	SC..LA Labyrinth seal	SC..TA Taconite seal
Operating temperature	°C	-40... +100	-40... +100	-40... +100	-40... +200	-40... +100
Circumferential speed	m/s	<8	<15	<7 ³⁾	<15	<8 ⁴⁾
Possible misalignment	Degrees	0,5...1	<0,5	1...1,5	<0,3	<0,5
Relubrication						
Low friction						
Suitable for floating bearings						
Vertical installation						
Sealing behavior for:						
Splash water / moisture						
Ultra-fine particles						
Fine particles						
Large particles						
Sharp-edge particles						
UV resistance						



Ideally suited



Limited suitability



Suitable



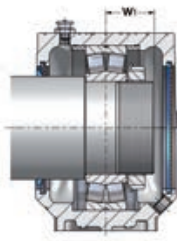
Unsuitable

¹⁾ During running-in phase up to approx. 5m/s

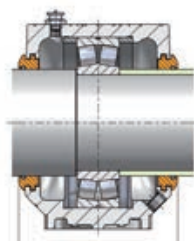
²⁾ If V-ring is fitted inside on underside

³⁾ Without additional supporting ring (axially secured: 7-12 m/s;
axially and radially secured: >12 m/s)

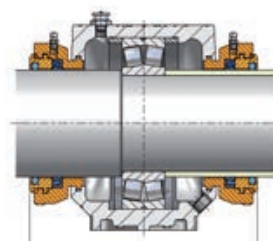
⁴⁾ Shaft requirements, see page 18



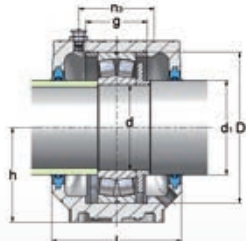
V-ring seal + Cover
SC..SV SC..EC



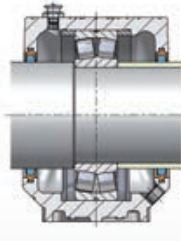
Labyrinth seal
SC..LA



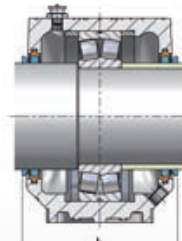
Taconite seal
SC..TA



Double lip seal + Regulation disc
SC..DS RDC



Felt strip seal
SC..FS



Felt strip seal + V-Ring
SC..FS V..A

	Housing	Seal ¹⁾	V-Ring ²⁾	Cover	w1	I1	I2	I3	Regulation Disc	Rolling bearing	Location ring
					[mm]						2x per housing
	SNC 205	SC205DS SC205FS SC205LA SC205TA	V30A	SC506-605EC	17 18,5 18,5	89	143	85	RDC205	1205 2205 22205	FR52x5 FR52x3,5 FR52x3,5
	SNC 206-305	SC507DS SC305FS SC305SV SC305LA SC305TA	V30A	SC507-606EC	18 21,5 18	89	143	95	RDC305	1305 2305 21305	FR62x7,5 FR62x4 FR62x7,5
	SNC 206-305	SC206DS SC206FS SC206SV SC206LA SC206TA	V35A	SC507-606EC	18,5 20,5 20,5	89	143	95	RDC206	1206 2206 22206	FR62x8 FR62x6 FR62x6
	SNC 507-606	SC206DS SC206FS SC206SV SC206LA SC206TA	V35A	SC507-606EC	20 24 20	93	147	100	RDC306	1306 2306 21306	FR72x7,5 FR72x3,5 FR72x7,5
	SNC 207-306	SC207DS SC207FS SC207SV SC207LA SC207TA	V45A	SC509EC	20 22 22,5	94	148	104	RDC207	1207 2207 22207	FR72x8,5 FR72x5,5 FR72x5,5
	SNC 208-307	SC510DS SC307FS SC307SV SC307LA SC307TA	V45A	SC510-608EC	21 26 21	94	151	107	RDC307	1307 2307 21307	FR80x9 FR80x4 FR80x9