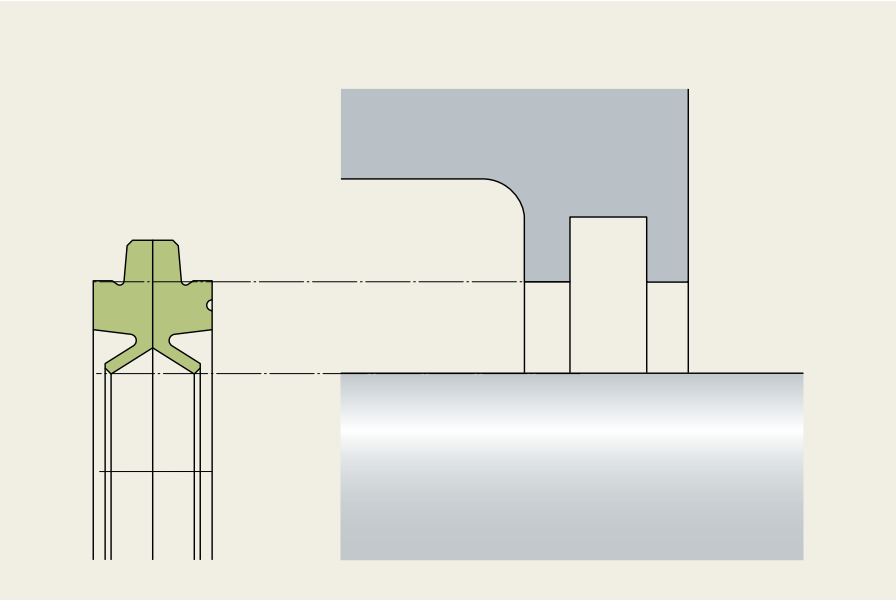
SNL plummer block housing
seal data sheet

TZ seals





Surface roughness	R_{tmax}	R_a
	µm	µm
Sliding surface	≤ 2,5	< 0,8

Higher surface roughness values (up to max. R_a < 3,2 µm) are possible, but seal performance or lifetime can be compromised.

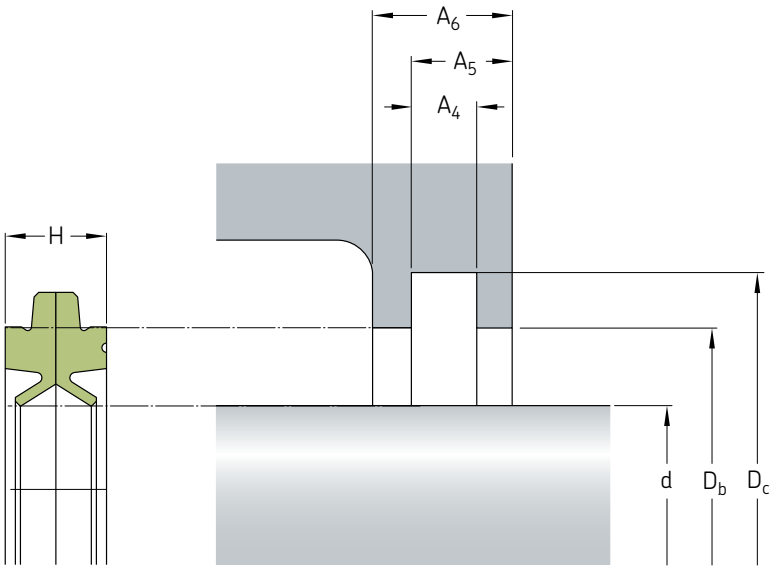
Operating parameters

Material Seal	**Temperature**		**Speed**[1]	**Misalignment** [2]
	from	to	max	max
–	°C		m/s	°
■ ECOPUR (standard)	–30	+110	11	0,5 – 1
■ H-ECOPUR	–20	+110	11	0,5 – 1
■ S-ECOPUR	–20	+110	11	0,5 – 1
■ SKF Ecorubber-H	–25	+150	11	0,5 – 1
■ SKF Ecorubber-1	–30	+100	11	0,5 – 1

IMPORTANT NOTE: Seal design specified for grease lubrication without pressure only. The stated operating conditions represent general indications, it is recommended not to use all maximum values simultaneously. Specified temperature range is relating to the corresponding seal material, operation in low temperature range for short terms only (e.g. cold start-up), during this time, the seal performance can be compromised.

[1] Surface speed limit values are valid only in the presence of a lubrication film. Ratings are depending also on heat removal possibilities.

[2] Fabrication tolerances of the diameters are to be considered.



Housing dimensions

SNL Housing designation	D_b H12	D_c	A_4 H15	A_5	A_6	Metric shafts d h9	TZ seal designation	G–(L–) style cross reference	Inch shafts d h9	TZ seal designation	G–(L–) style cross reference
	mm					mm			inch		
SNL 205	36,5	44,5	5	7,5	10	**20**	**TZ 605**	TSN 605 G			
						25	**TZ 506**	TSN 506 G			
						30	**TZ 205** [1]	TSN 205 G [1]			
SNL 206 - 305	46,5	54,5	5	7,5	10	**25**	**TZ 606**	TSN 606 G			
						30	**TZ 507**	TSN 305 G (507 L)			
						35	**TZ 206**	TSN 206 G			
SNL 207	56,5	64,5	5	8	11	**40**	**TZ 509**	TSN 509 G (L)			
						45	**TZ 207**	TSN 207 G			
SNL 208 - 307	62	70,5	5	8	11	**35**	**TZ 608**	TSN 608 G			
						45	**TZ 510**	TSN 307 G (510 L)			
						50	**TZ 208**	TSN 208 G			
SNL 209	67	75,5	5	9	12	**40**	**TZ 609**	TSN 609 G (L)			
						50	**TZ 511**	TSN 511 G (L)			
						55	**TZ 209**	TSN 209 G			
SNL 210	72	80,5	5	9	12	**45**	**TZ 610**	TSN 610 G (L)			
						55	**TZ 512**	TSN 512 G (L)			
						60	**TZ 210**	TSN 210 G			
SNL 211	77	85,5	5	9	12	**50**	**TZ 611**	TSN 611 G (L)			
						60	**TZ 513**	TSN 513 G (L)			
						65	**TZ 211**	TSN 211 G			
SNL 212	87	95,5	5	9	12	**55**	**TZ 612**	TSN 612 G (L)			
						65	**TZ 515**	TSN 515 G (L)			
						70	**TZ 212**	TSN 212 G			
SNL 213	92,5	101	5	9	13	**60**	**TZ 613**	TSN 613 G (L)			
						70	**TZ 516**	TSN 516 G (L)			
						75	**TZ 213**	TSN 213 G			
SNL 215	102,5	111	5	9	13	**65**	**TZ 615**	TSN 615 G (L)			
						80	**TZ 518**	TSN 518 G (L)			
						85	**TZ 215**	TSN 215 G			
SNL 216	108	116,5	5	9	13	**90**	**TZ 216**	TSN 216 G			
SNL 217	112	120,5	5	9	13	**95**	**TZ 217**	TSN 217 G			
SNL 218	120	128,5	5	9	13	**100**	**TZ 218**	TSN 218 G (L)			
SNL 505	31,5	39,5	5	7,5	10	**20**	**TZ 505**	TSN 505 G	**3/4**	**TZ 505/3/4**	TSN 505 GE
SNL 506 - 605	36,5	44,5	5	7,5	10	**25**	**TZ 506**	TSN 506 G	**3/4**	**TZ 605/3/4**	TSN 605 GE
									15/16	**TZ 506/15/16**	TSN 506 GA
						30	**TZ 205** [1]	TSN 205 G [1]	**1**	**TZ 506/1**	TSN 506 G

IMPORTANT NOTES:
[1] Please contact your nearest SKF machined seals unit, not part of standard software.

Housing dimensions

SNL Housing designation	D_b H12	D_c	A_4 H15	A_5	A_6	Metric shafts d h9	TZ seal designation	G–(L–) style cross reference	Inch shafts d h9	TZ seal designation	G–(L–) style cross reference
	mm					mm			inch		
SNL 507 - 606	46,5	54,5	5	8	11	**25**	**TZ 606**	TSN 606 G	**15/16**	**TZ 606/15/16**	TSN 606 GA
						30	**TZ 507**	TSN 207 L (507 L)	**1 3/16**	**TZ 507/1.3/16**	TSN 507 L
						35	**TZ 306**	TSN 306 G	**1**	**TZ 606/1**	TSN 606 G
									1 1/8	**TZ 507/1.1/8**	TSN 507 GS
SNL 508 - 607	51,5	59,5	5	8	11	**30**	**TZ 607**	TSN 607 G	**1 1/8**	**TZ 607/1.1/8**	TSN 607 GS
									1 3/8	**TZ 508/1.3/8**	TSN 508 L
						35	**TZ 508**	TSN 508 L	**1 3/16**	**TZ 607/1.3/16**	TSN 607 G
									1 1/4	**TZ 508/1.1/4**	TSN 508 GE
SNL 509	56,5	64,5	5	9	12	**40**	**TZ 509**	TSN 509 L	**1 7/16**	**TZ 509/1.7/16**	TSN 509 GA
						45	**TZ 307**	TSN 307 G	**1 1/2**	**TZ 509/1.1/2**	TSN 509 GE
SNL 510 - 608	62	70,5	5	9	12	**35**	**TZ 608**	TSN 608 G	**1 1/4**	**TZ 608/1.1/4**	TSN 608 GE
						45	**TZ 510**	TSN 510 L	**1 3/8**	**TZ 608/1.3/8**	TSN 608 G
									1 3/4	**TZ 510/1.3/4**	TSN 510 L
						50	**TZ 308**	TSN 308 G	**1 11/16**	**TZ 510/1.11/16**	TSN 510 GA
SNL 511 - 609	67	75,5	5	9	12	**40**	**TZ 609**	TSN 609 G (L)	**1 1/2**	**TZ 609/1.1/2**	TSN 609 GE
						50	**TZ 511**	TSN 511 L	**1 15/16**	**TZ 511/1.15/16**	TSN 511 L
						55	**TZ 309**	TSN 309 G	**1 7/16**	**TZ 609/1.7/16**	TSN 609 GA
									2	**TZ 511/2**	TSN 511 L
SNL 512 - 610	72	80,5	5	9	12	**45**	**TZ 610**	TSN 610 G (L)	**1 11/16**	**TZ 610/1.11/16**	TSN 610 GA
						60	**TZ 310**	TSN 310 G	**1 3/4**	**TZ 610/1.3/4**	TSN 610 G (L)
						55	**TZ 512**	TSN 512 L	**2 1/8**	**TZ 512/2.1/8**	TSN 512 GS
SNL 513 - 611	77	85,5	5	9	13	**50**	**TZ 611**	TSN 611 G (L)	**1 15/16**	**TZ 611/1.15/16**	TSN 611 G (L)
									2	**TZ 611/2**	TSN 611 G (L)
						60	**TZ 513**	TSN 513 L	**2 3/16**	**TZ 513/2.3/16**	TSN 513 GA (LA)
						65	**TZ 311**	TSN 311 G	**2 1/4**	**TZ 513/2.1/4**	TSN 513 GE
SNL 515 - 612	87	95,5	5	9	13	**55**	**TZ 612**	TSN 612 G (L)	**2 1/8**	**TZ 612/2.1/8**	TSN 612 GS
						65	**TZ 515**	TSN 515 L	**2 7/16**	**TZ 515/2.7/16**	TSN 515 GA (LA)
						70	**TZ 312**	TSN 312 G	**2 1/2**	**TZ 515/2.1/2**	TSN 515 GE
SNL 516 - 613	92,5	101	5	9	13	**60**	**TZ 613**	TSN 613 G (L)	**2 3/16**	**TZ 613/2.3/16**	TSN 613 GA
						70	**TZ 516**	TSN 516 L	**2 1/4**	**TZ 613/2.1/4**	TSN 613 GE
									2 3/4	**TZ 516/2.3/4**	TSN 516 L
						75	**TZ 313**	TSN 313 G	**2 11/16**	**TZ 516/2.11/16**	TSN 516 GA
SNL 517	97,5	106	5	9	13	**75**	**TZ 517**	TSN 517 L	**2 15/16**	**TZ 517/2.15/16**	TSN 517 L
						80	**TZ 314**	TSN 314 G	**3**	**TZ 517/3**	TSN 517 L
SNL 518 - 615	102,5	111	5	9	13	**65**	**TZ 615**	TSN 615 G (L)	**2 7/16**	**TZ 615/2.7/16**	TSN 615 GA
						80	**TZ 518**	TSN 518 L	**2 1/2**	**TZ 615/2.1/2**	TSN 615 GE
									3 3/16	**TZ 518/3.3/16**	TSN 518 L
						85	**TZ 315**	TSN 315 G	**3 1/4**	**TZ 518/3.1/4**	TSN 518 L
SNL 519 - 616	131	141	6	10	14	**70**	**TZ 616**	TSN 616 G (L)	**2 11/16**	**TZ 616/2.11/16**	TSN 616 GA
						85	**TZ 519**	TSN 519 L	**2 3/4**	**TZ 616/2.3/4**	TSN 616 G (L)
						90	**TZ 316**	TSN 316 G			
SNL 520 - 617	137,5	147,5	6	10	14	**75**	**TZ 617**	TSN 617 G (L)	**2 15/16**	**TZ 617/2.15/16**	TSN 617 G (L)
						90	**TZ 520**	TSN 520 L	**3**	**TZ 617/3**	TSN 617 G (L)
						95	**TZ 317**	TSN 317 G	**3 7/16**	**TZ 520/3.7/16**	TSN 520 GA
						115	**TZ 220**	TSN 220 G (L)	**3 1/2**	**TZ 520/3.1/2**	TSN 520 GE
SNL 522 - 619	147,5	157,5	6	10	14	**85**	**TZ 619**	TSN 619 G	**3 1/4**	**TZ 619/3.1/4**	TSN 619 GE
						100	**TZ 522**	TSN 522 L	**3 15/16**	**TZ 522/3.15/16**	TSN 522 L
						125	**TZ 222**	TSN 222 G (522 L)	**4**	**TZ 522/4**	TSN 522 L
SNL 524 - 620	157,5	167,5	6	11	15	**90**	**TZ 620**	TSN 620 G	**3 7/16**	**TZ 620/3.7/16**	TSN 620 GA
						110	**TZ 524**	TSN 524 G (L)	**3 1/2**	**TZ 620/3.1/2**	TSN 620 GE
						135	**TZ 224**	TSN 224 G (L)	**4 3/16**	**TZ 524/4.3/16**	TSN 524 GA
									4 1/4	**TZ 524/4.1/4**	TSN 524 GE
SNL 526	167,5	177,5	6	11	15	**115**	**TZ 526**	TSN 526 G (L)	**4 7/16**	**TZ 526/4.7/16**	TSN 526 GA
						145	**TZ 226**	TSN 226 G (L)	**4 1/2**	**TZ 526/4.1/2**	TSN 526 G (L)
SNL 528	177,5	187,5	6	11	15	**125**	**TZ 528**	TSN 528 G (L)	**4 15/16**	**TZ 528/4.15/16**	TSN 528 G (L)
						155	**TZ 228**	TSN 228 G	**5**	**TZ 528/5**	TSN 528 GE
SNL 530	192,5	202,5	6	11	15	**135**	**TZ 530**	TSN 530 G (L)	**5 3/16**	**TZ 530/5.3/16**	TSN 530 GA
						165	**TZ 230**	TSN 230 G	**5 1/4**	**TZ 530/5.1/4**	TSN 530 GE
SNL 532	202,5	212,5	6	11	15	**140**	**TZ 532**	TSN 532 G (L)	**5 7/16**	**TZ 532/5.7/16**	TSB 532 GA
						175	**TZ 232**	TSN 232 G	**5 1/2**	**TZ 532/5.1/2**	TSN 532 G (L)

Ordering example, metric, ECOPUR:	**TZ 605**
Seal design:	Rotary seal TZ
SNL housing + metric shaft combination:	605
Standard sealing material:	ECOPUR

Example, inch, other material:	**TZ 605/3/4 SKF Ecorubber-H**
Design:	Rotary seal TZ
SNL housing + inch shaft combination:	605/3/4
Sealing material:	SKF Ecorubber-H

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