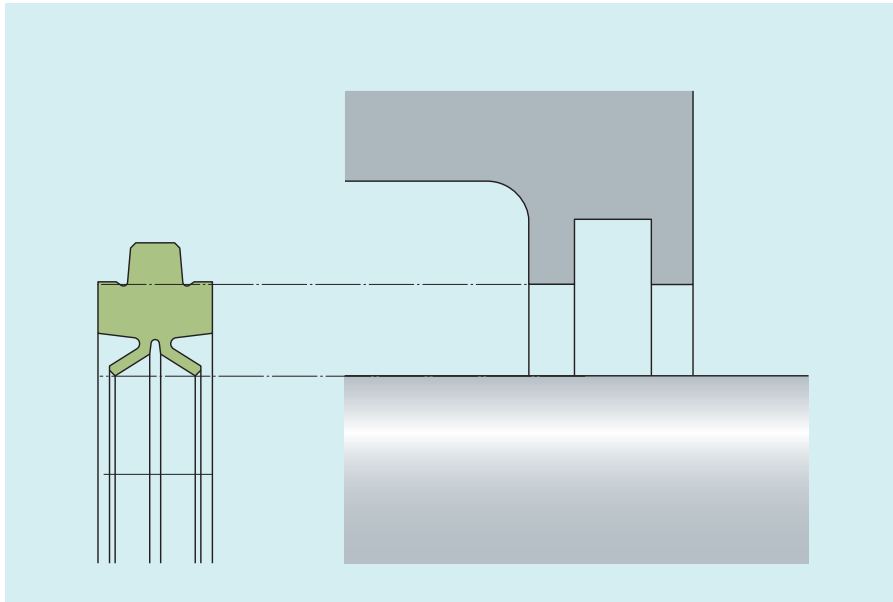


TY seals



Surface roughness	R_{tmax}	R_a
	μm	μm

Sliding surface $\leq 2,5$ $< 0,8$

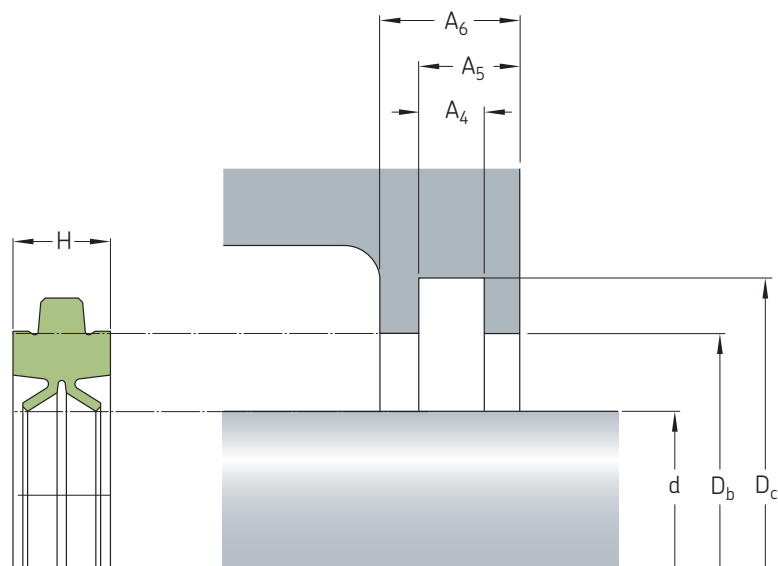
Higher surface roughness values (up to max. $R_a < 3,2 \mu m$) are possible, but seal performance or lifetime can be compromised.

Operating parameters

Material Seal	Temperature		Speed ¹⁾	Misalignment ²⁾
	from	to	max	max
	°C		m/s	°
■ ECOPUR	-30	+110	11	0,5 – 1
■ H-ECOPUR	-20	+110	11	0,5 – 1
■ S-ECOPUR	-20	+110	11	0,5 – 1
■ SKF Ecorubber-1	-30	+100	11	0,5 – 1
■ SKF Ecorubber-H	-25	+150	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			Inch shafts		
						d h9	TY seal designation	G-(L-) style cross reference	d h9	TY seal designation	G-(L-) style cross reference
	mm					mm			inch		
SNL 205	36,5	44,5	5	7,5	10	20	TY 605	TSN 605 G			
						25	TY 506	TSN 506 G			
						30	TY 205 ¹⁾	TSN 205 G ¹⁾			
SNL 206 - 305	46,5	54,5	5	7,5	10	25	TY 606	TSN 606 G			
						30	TY 507	TSN 305 G (507 L)			
SNL 207	56,5	64,5	5	8	11	35	TY 206	TSN 206 G			
						40	TY 509	TSN 509 G (L)			
SNL 208 - 307	62	70,5	5	8	11	45	TY 207	TSN 207 G			
						35	TY 608	TSN 608 G			
						45	TY 510	TSN 307 G (510 L)			
SNL 209	67	75,5	5	9	12	50	TY 208	TSN 208 G			
						40	TY 609	TSN 609 G (L)			
						50	TY 511	TSN 511 G (L)			
SNL 210	72	80,5	5	9	12	55	TY 209	TSN 209 G			
						45	TY 610	TSN 610 G (L)			
						55	TY 512	TSN 512 G (L)			
SNL 211	77	85,5	5	9	12	60	TY 210	TSN 210 G			
						50	TY 611	TSN 611 G (L)			
						60	TY 513	TSN 513 G (L)			
SNL 212	87	95,5	5	9	12	65	TY 211	TSN 211 G			
						55	TY 612	TSN 612 G (L)			
						65	TY 515	TSN 515 G (L)			
SNL 213	92,5	101	5	9	13	70	TY 212	TSN 212 G			
						60	TY 613	TSN 613 G (L)			
						70	TY 516	TSN 516 G (L)			
SNL 215	102,5	111	5	9	13	75	TY 213	TSN 213 G			
						65	TY 615	TSN 615 G (L)			
						80	TY 518	TSN 518 G (L)			
SNL 216	108	116,5	5	9	13	85	TY 215	TSN 215 G			
SNL 217	112	120,5	5	9	13	90	TY 216	TSN 216 G			
SNL 218	120	128,5	5	9	13	95	TY 217	TSN 217 G			
SNL 505	31,5	39,5	5	7,5	10	100	TY 218	TSN 218 G (L)			
SNL 506 - 605	36,5	44,5	5	7,5	10	20	TY 505	TSN 505 G	3/4	TY 505/3/4	TSN 505 GE
						25	TY 506	TSN 506 G	3/4	TY 605/3/4	TSN 605 GE
									15/16	TY 506/15/16	TSN 506 GA
						30	TY 205 ¹⁾	TSN 205 G ¹⁾	1	TY 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	Metric shafts						Inch shafts				
	D _b H12	D _c	A ₄ H15	A ₅	A ₆	d h9	TY seal designation	G—(L—) style cross reference	d h9	TY seal designation	G—(L—) style cross reference
	mm						mm			inch	
SNL 507 - 606	46,5	54,5	5	8	11	25	TY 606	TSN 606 G	15/16	TY 606/15/16	TSN 606 GA
						30	TY 507	TSN 207 L (507 L)	1 3/16	TY 507/1.3/16	TSN 507 L
						35	TY 306	TSN 306 G	1	TY 606/1	TSN 606 G
SNL 508 - 607	51,5	59,5	5	8	11	30	TY 607	TSN 607 G	1 1/8	TY 507/1.1/8	TSN 507 GS
									1 1/8	TY 607/1.1/8	TSN 607 GS
						35	TY 508	TSN 508 L	1 3/8	TY 508/1.3/8	TSN 508 L
SNL 509	56,5	64,5	5	9	12	40	TY 509	TSN 509 L	1 3/16	TY 607/1.3/16	TSN 607 G
						45	TY 307	TSN 307 G	1 1/4	TY 508/1.1/4	TSN 508 GE
									1 7/16	TY 509/1.7/16	TSN 509 GA
SNL 510 - 608	62	70,5	5	9	12	35	TY 608	TSN 608 G	1 1/2	TY 509/1.1/2	TSN 509 GE
						45	TY 510	TSN 510 L	1 1/4	TY 608/1.1/4	TSN 608 GE
									1 3/8	TY 608/1.3/8	TSN 608 G
SNL 511 - 609	67	75,5	5	9	12	50	TY 308	TSN 308 G	1 3/4	TY 510/1.3/4	TSN 510 L
						40	TY 609	TSN 609 G (L)	1 11/16	TY 510/1.11/16	TSN 510 GA
						50	TY 511	TSN 511 L	1 1/2	TY 609/1.1/2	TSN 609 GE
SNL 512 - 610	72	80,5	5	9	12	50	TY 511	TSN 511 L	1 15/16	TY 511/1.15/16	TSN 511 L
						55	TY 309	TSN 309 G	1 7/16	TY 609/1.7/16	TSN 609 GA
									2	TY 511/2	TSN 511 L
SNL 513 - 611	77	85,5	5	9	13	45	TY 610	TSN 610 G (L)	1 11/16	TY 610/1.11/16	TSN 610 GA
						60	TY 310	TSN 310 G	1 3/4	TY 610/1.3/4	TSN 610 G (L)
						55	TY 512	TSN 512 L	2 1/8	TY 512/2.1/8	TSN 512 GS
SNL 515 - 612	87	95,5	5	9	13	50	TY 611	TSN 611 G (L)	1 15/16	TY 611/1.15/16	TSN 611 G (L)
									2	TY 611/2	TSN 611 G (L)
						60	TY 513	TSN 513 L	2 3/16	TY 513/2.3/16	TSN 513 GA (LA)
SNL 516 - 613	92,5	101	5	9	13	65	TY 311	TSN 311 G	2 1/4	TY 513/2.1/4	TSN 513 GE
						55	TY 612	TSN 612 G (L)	2 1/8	TY 612/2.1/8	TSN 612 GS
						65	TY 515	TSN 515 L	2 7/16	TY 515/2.7/16	TSN 515 GA (LA)
SNL 517	97,5	106	5	9	13	70	TY 312	TSN 312 G	2 1/2	TY 515/2.1/2	TSN 515 GE
						60	TY 613	TSN 613 G (L)	2 3/16	TY 613/2.3/16	TSN 613 GA
						70	TY 516	TSN 516 L	2 1/4	TY 516/2.1/4	TSN 516 L
SNL 518 - 615	102,5	111	5	9	13	75	TY 313	TSN 313 G	2 3/4	TY 516/2.3/4	TSN 516 L
						75	TY 517	TSN 517 L	2 11/16	TY 516/2.11/16	TSN 516 GA
						80	TY 314	TSN 314 G	2 15/16	TY 517/2.15/16	TSN 517 L
SNL 519 - 616	131	141	6	10	14	80	TY 615	TSN 615 G (L)	3	TY 517/3	TSN 517 L
						65	TY 518	TSN 518 L	2 7/16	TY 615/2.7/16	TSN 615 GA
						85	TY 315	TSN 315 G	2 1/2	TY 615/2.1/2	TSN 615 GE
SNL 520 - 617	137,5	147,5	6	10	14	80	TY 518	TSN 518 L	3 3/16	TY 518/3.3/16	TSN 518 L
						70	TY 616	TSN 616 G (L)	3 1/4	TY 518/3.1/4	TSN 518 L
						85	TY 519	TSN 519 L	2 11/16	TY 616/2.11/16	TSN 616 GA
SNL 522 - 619	147,5	157,5	6	10	14	90	TY 316	TSN 316 G	2 3/4	TY 616/2.3/4	TSN 616 G (L)
						75	TY 617	TSN 617 G (L)	3	TY 616/2.3/4	TSN 616 G (L)
						90	TY 520	TSN 520 L	3 7/16	TY 617/3	TSN 617 G (L)
SNL 524 - 620	157,5	167,5	6	11	15	95	TY 317	TSN 317 G	3 1/2	TY 520/3.7/16	TSN 520 GA
						115	TY 220	TSN 220 G (L)	3 1/4	TY 520/3.1/4	TSN 520 GE
						85	TY 619	TSN 619 G	3 15/16	TY 522/3.15/16	TSN 522 L
SNL 526	167,5	177,5	6	11	15	125	TY 522	TSN 522 L	4	TY 522/4	TSN 522 L
						90	TY 620	TSN 620 G	3 7/16	TY 522/4	TSN 522 L
						110	TY 524	TSN 524 G (L)	4 3/16	TY 620/3.7/16	TSN 620 GA
SNL 528	177,5	187,5	6	11	15	135	TY 224	TSN 224 G (L)	4 1/4	TY 524/4.3/16	TSN 524 GA
									4 1/4	TY 524/4.1/4	TSN 524 GE
						115	TY 526	TSN 526 G (L)	4 7/16	TY 526/4.7/16	TSN 526 GA
SNL 530	192,5	202,5	6	11	15	145	TY 226	TSN 226 G (L)	4 1/2	TY 526/4.1/2	TSN 526 G (L)
						125	TY 528	TSN 528 G (L)	4 15/16	TY 528/4.15/16	TSN 528 G (L)
						155	TY 228	TSN 228 G	5	TY 528/5	TSN 528 GE
SNL 532	202,5	212,5	6	11	15	135	TY 530	TSN 530 G (L)	5 3/16	TY 530/5.3/16	TSN 530 GA
						165	TY 230	TSN 230 G	5 1/4	TY 530/5.1/4	TSN 530 GE
						140	TY 532	TSN 532 G (L)	5 7/16	TY 532/5.7/16	TSB 532 GA
						175	TY 232	TSN 232 G	5 1/2	TY 532/5.1/2	TSN 532 G (L)

Ordering example, metric, ECOPUR:

Seal design: TY 605
 SNL housing + metric shaft combination: 605
 Standard sealing material: ECOPUR

Ordering example, inch, other material: TY 605/3/4 SKF Ecorubber-H

Design: Rotary seal TY
 SNL housing + inch shaft combination: 605/3/4
 Sealing material: SKF Ecorubber-H



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