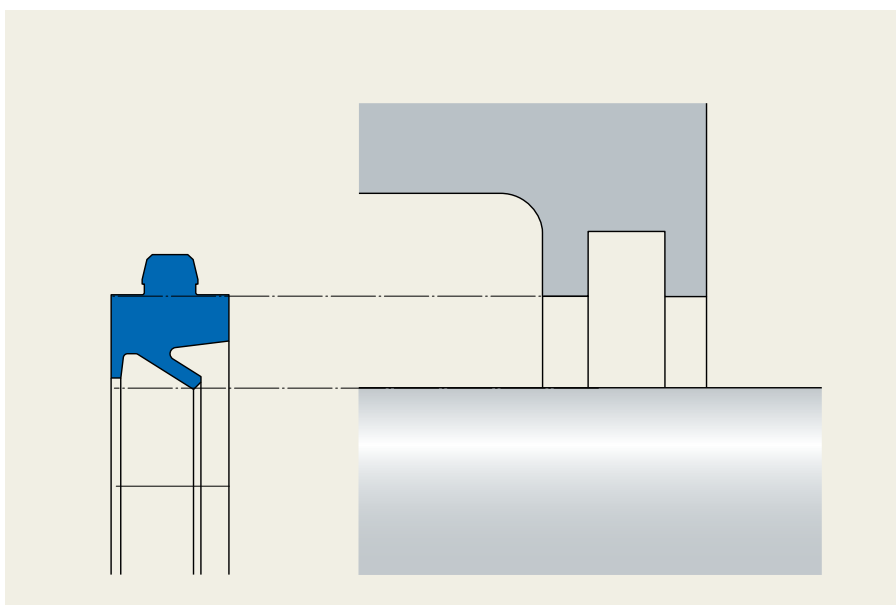


SNL plummer block housing
seal data sheet

DTX seals



Surface roughness	R_{tmax}	R_a
	μm	μm

Sliding surface	$\leq 2,5$	$< 0,8$
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Higher surface roughness values (up to max. $R_a < 3,2 \mu m$) are possible, but seal performance or lifetime can be compromised.

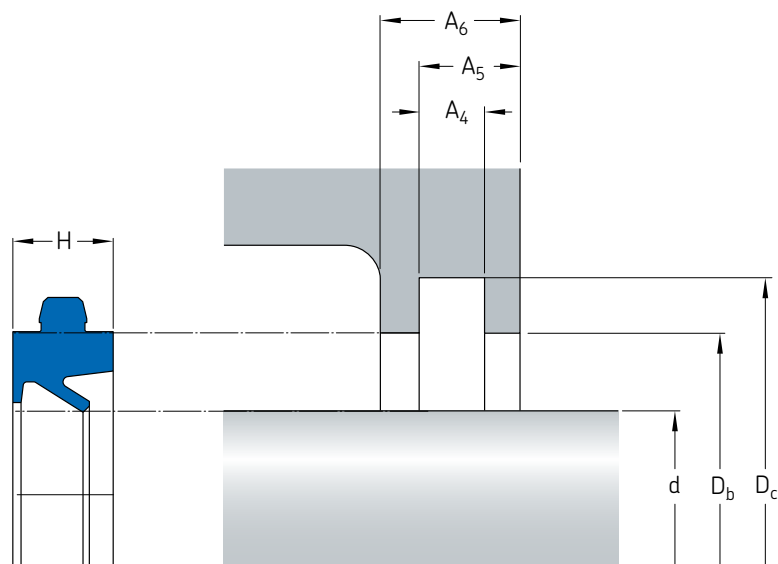
Operating parameters

Material Seal	Temperature		Speed ¹⁾	Misalignment ²⁾
	from	to	max	max
–	°C		m/s	°
■ ECOPUR DD (standard)	–30	+100	6	0,5 – 1
■ SKF Econbr	–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.

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	DTX seal designation	G-(L-) style cross reference	d h9	DTX seal designation	G-(L-) style cross reference
	mm					mm			inch		
SNL 205	36,5	44,5	5	7,5	10	20	DTX 605 ¹⁾	TSN 605 G			
						25	DTX 506 ²⁾	TSN 506 G			
						30	DTX 205 ¹⁾	TSN 205 G			
SNL 206 - 305	46,5	54,5	5	7,5	10	25	DTX 606 ²⁾	TSN 606 G			
						30	DTX 507	TSN 305 G (507 L)			
						35	DTX 206	TSN 206 G			
SNL 207	56,5	64,5	5	8	11	40	DTX 509	TSN 509 G (L)			
						45	DTX 207	TSN 207 G			
SNL 208 - 307	62	70,5	5	8	11	35	DTX 608 ³⁾	TSN 608 G			
						45	DTX 510	TSN 307 G (510 L)			
						50	DTX 208	TSN 208 G			
SNL 209	67	75,5	5	9	12	40	DTX 609 ³⁾	TSN 609 G (L)			
						50	DTX 511 ³⁾	TSN 511 G (L)			
SNL 210	72	80,5	5	9	12	55	DTX 209	TSN 209 G			
						45	DTX 610 ¹⁾	TSN 610 G (L)			
						60	DTX 512	TSN 512 G (L)			
SNL 211	77	85,5	5	9	12	60	DTX 210	TSN 210 G			
						50	DTX 611 ³⁾	TSN 611 G (L)			
						60	DTX 513	TSN 513 G (L)			
SNL 212	87	95,5	5	9	12	65	DTX 211	TSN 211 G			
						55	DTX 612 ¹⁾	TSN 612 G (L)			
						65	DTX 515 ³⁾	TSN 515 G (L)			
SNL 213	92,5	101	5	9	13	70	DTX 212	TSN 212 G			
						60	DTX 613 ³⁾	TSN 613 G (L)			
						70	DTX 516	TSN 516 G (L)			
SNL 215	102,5	111	5	9	13	75	DTX 213	TSN 213 G			
						80	DTX 518 ³⁾	TSN 518 G (L)			
						85	DTX 215	TSN 215 G			
SNL 216	108	116,5	5	9	13	90	DTX 216	TSN 216 G			
SNL 217	112	120,5	5	9	13	95	DTX 217	TSN 217 G			
SNL 218	120	128,5	5	9	13	100	DTX 218	TSN 218 G (L)			
SNL 505	31,5	39,5	5	7,5	10	20	DTX 505 ¹⁾	TSN 505 G	3/4	DTX 505/3/4 ¹⁾	TSN 505 GE
SNL 506 - 605	36,5	44,5	5	7,5	10	25	DTX 506 ¹⁾	TSN 506 G	3/4	DTX 605/3/4 ¹⁾	TSN 605 GE
									15/16	DTX 506/15/16	TSN 506 GA
						30	DTX 205 ¹⁾	TSN 205 G	1	DTX 506/1	TSN 506 G

IMPORTANT NOTES:

¹⁾ Currently not available on SKF SEALJET DD. For alternative TX seals please contact your nearest SKF machined seals unit.

²⁾ Only in ECOPUR DD possible.

³⁾ Only in SKF Econbr possible.

Housing dimensions

SNL Housing designation						Metric shafts			Inch shafts		
	D _b H12	D _c	A ₄ H15	A ₅	A ₆	d h9	DTX seal designation	G-(L-) style cross reference	d h9	DTX seal designation	G-(L-) style cross reference
	mm					mm			inch		
SNL 507 - 606	46,5	54,5	5	8	11	25	DTX 606 ²⁾	TSN 606 G	15/16	DTX 606/15/16 ²⁾	TSN 606 GA
						30	DTX 507	TSN 207 L (507 L)	1 3/16	DTX 507/1.3/16	TSN 507 L
						35	DTX 306	TSN 306 G	1	DTX 606/1 ²⁾	TSN 606 G
SNL 508 - 607	51,5	59,5	5	8	11	30	DTX 607	TSN 607 G	1 1/8	DTX 507/1.1/8	TSN 507 GS
									1 1/8	DTX 607/1.1/8	TSN 607 GS
						35	DTX 508	TSN 508 L	1 3/8	DTX 508/1.3/8	TSN 508 L
SNL 509	56,5	64,5	5	9	12	40	DTX 509	TSN 509 L	1 3/16	DTX 607/1.3/16	TSN 607 G
						45	DTX 307	TSN 307 G	1 1/4	DTX 508/1.1/4	TSN 508 GE
									1 7/16	DTX 509/1.7/16 ³⁾	TSN 509 GA
SNL 510 - 608	62	70,5	5	9	12	35	DTX 608 ³⁾	TSN 608 G	1 1/2	DTX 509/1.1/2 ³⁾	TSN 509 GE
						45	DTX 510	TSN 510 L	1 1/4	DTX 608/1.1/4 ³⁾	TSN 608 GE
									1 3/8	DTX 608/1.3/8 ³⁾	TSN 608 G
SNL 511 - 609	67	75,5	5	9	12	50	DTX 308	TSN 308 G	1 3/4	DTX 510/1.3/4	TSN 510 L
						40	DTX 609 ³⁾	TSN 609 G (L)	1 11/16	DTX 510/1.11/16	TSN 510 GA
						50	DTX 511 ³⁾	TSN 511 L	1 1/2	DTX 609/1.1/2 ³⁾	TSN 609 GE
SNL 512 - 610	72	80,5	5	9	12	55	DTX 309	TSN 309 G	1 15/16	DTX 511/1.15/16 ³⁾	TSN 511 L
									1 7/16	DTX 609/1.7/16 ³⁾	TSN 609 GA
									2	DTX 511/2	TSN 511 L
SNL 513 - 611	77	85,5	5	9	13	45	DTX 610 ¹⁾	TSN 610 G (L)	1 11/16	DTX 610/1.11/16 ¹⁾	TSN 610 GA
						60	DTX 310	TSN 310 G	1 3/4	DTX 610/1.3/4 ¹⁾	TSN 610 G (L)
						55	DTX 512	TSN 512 L	2 1/8	DTX 512/2.1/8	TSN 512 GS
SNL 515 - 612	87	95,5	5	9	13	50	DTX 611 ³⁾	TSN 611 G (L)	1 15/16	DTX 611/1.15/16 ³⁾	TSN 611 G (L)
									2	DTX 611/2	TSN 611 G (L)
						60	DTX 513	TSN 513 L	2 3/16	DTX 513/2.3/16	TSN 513 GA (LA)
SNL 516 - 613	92,5	101	5	9	13	65	DTX 311	TSN 311 G	2 1/4	DTX 513/2.1/4	TSN 513 GE
						65	DTX 612 ¹⁾	TSN 612 G (L)	2 1/8	DTX 612/2.1/8 ¹⁾	TSN 612 GS
						70	DTX 515 ³⁾	TSN 515 L	2 7/16	DTX 515/2.7/16 ³⁾	TSN 515 GA (LA)
SNL 517	97,5	106	5	9	13	70	DTX 312	TSN 312 G	2 1/2	DTX 515/2.1/2 ³⁾	TSN 515 GE
						60	DTX 613 ³⁾	TSN 613 G (L)	2 3/16	DTX 613/2.3/16 ¹⁾	TSN 613 GA
						70	DTX 516	TSN 516 L	2 1/4	DTX 613/2.1/4 ¹⁾	TSN 613 GE
SNL 518 - 615	102,5	111	5	9	13				2 3/4	DTX 516/2.3/4	TSN 516 L
						75	DTX 313	TSN 313 G	2 11/16	DTX 516/2.11/16	TSN 516 GA
						75	DTX 517	TSN 517 L	2 15/16	DTX 517/2.15/16	TSN 517 L
SNL 519 - 616	131	141	6	10	14	80	DTX 314	TSN 314 G	3	DTX 517/3	TSN 517 L
						65	DTX 615 ¹⁾	TSN 615 G (L)	2 7/16	DTX 615/2.7/16 ¹⁾	TSN 615 GA
						80	DTX 518 ³⁾	TSN 518 L	2 1/2	DTX 615/2.1/2 ¹⁾	TSN 615 GE
SNL 520 - 617	137,5	147,5	6	10	14				3 3/16	DTX 518/3.3/16 ³⁾	TSN 518 L
						85	DTX 315	TSN 315 G	3 1/4	DTX 518/3.1/4	TSN 518 L
						70	DTX 616 ¹⁾	TSN 616 G (L)	2 11/16	DTX 616/2.11/16 ¹⁾	TSN 616 GA
SNL 522 - 619	147,5	157,5	6	10	14	85	DTX 519 ¹⁾	TSN 519 L	2 3/4	DTX 616/2.3/4 ¹⁾	TSN 616 G (L)
						90	DTX 316 ¹⁾	TSN 316 G			
						95	DTX 617 ¹⁾	TSN 617 G (L)	2 15/16	DTX 617/2.15/16 ¹⁾	TSN 617 G (L)
SNL 524 - 620	157,5	167,5	6	11	15	90	DTX 520 ¹⁾	TSN 520 L	3	DTX 617/3 ¹⁾	TSN 617 G (L)
						115	DTX 317 ¹⁾	TSN 317 G	3 7/16	DTX 520/3.7/16 ¹⁾	TSN 520 GA
						125	DTX 618 ¹⁾	TSN 618 G (L)	3 1/2	DTX 520/3.1/2 ¹⁾	TSN 520 GE
SNL 526	167,5	177,5	6	11	15	100	DTX 522 ¹⁾	TSN 522 L	3 1/4	DTX 619/3.1/4 ¹⁾	TSN 619 GE
						110	DTX 619 ¹⁾	TSN 619 G	3 15/16	DTX 522/3.15/16 ¹⁾	TSN 522 L
						135	DTX 222	TSN 222 G (522 L)	4	DTX 522/4 ¹⁾	TSN 522 L
SNL 528	177,5	187,5	6	11	15	90	DTX 620 ¹⁾	TSN 620 G	3 7/16	DTX 620/3.7/16 ¹⁾	TSN 620 GA
						110	DTX 524 ¹⁾	TSN 524 G (L)	3 1/2	DTX 620/3.1/2 ¹⁾	TSN 620 GE
						155	DTX 224 ³⁾	TSN 224 G (L)	4 3/16	DTX 524/4.3/16 ¹⁾	TSN 524 GA
SNL 528	177,5	187,5	6	11	15				4 1/4	DTX 524/4.1/4 ¹⁾	TSN 524 GE
						115	DTX 526 ¹⁾	TSN 526 G (L)	4 7/16	DTX 526/4.7/16 ¹⁾	TSN 526 GA
						145	DTX 226	TSN 226 G (L)	4 1/2	DTX 526/4.1/2 ¹⁾	TSN 526 G (L)
SNL 528	177,5	187,5	6	11	15	125	DTX 528 ¹⁾	TSN 528 G (L)	4 15/16	DTX 528/4.15/16 ¹⁾	TSN 528 G (L)
						155	DTX 228 ²⁾	TSN 228 G	5	DTX 528/5 ¹⁾	TSN 528 GE

Ordering example, metric, ECOPUR DD:

Seal design: Rotary seal DTX
 SNL housing + metric shaft combination: 605
 Standard sealing material: ECOPUR DD

Example, inch, other material:

Design: Rotary seal DTX
 SNL housing + inch shaft combination: 605/3/4
 Sealing material: SKF Econbr



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