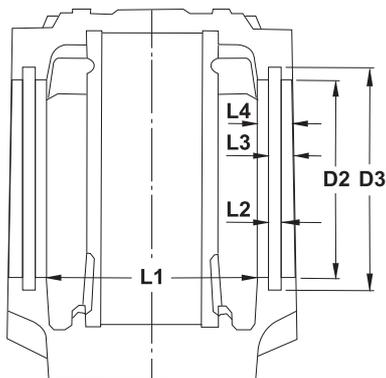
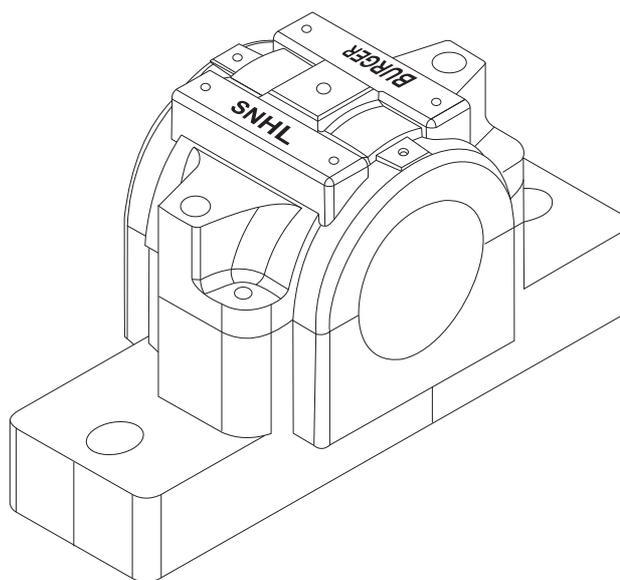


As caixas de série SNHL, foram desenvolvidas para atender uma demanda mais seletiva no mercado de caixas para rolamentos (mancais), totalmente nervuradas para que se obtenha uma maior uniformização no seu processo de usinagem, o que também influencia em maior dissipação de calor, possuem pontos para monitoramento de vibração, temperatura e alinhamento, além de várias opções no seu conjunto de vedações TC, TA, TG, TL, RB, TS, Taconite, etc, proporcionando mais segurança e durabilidade das caixas. São totalmente intercambiáveis com as que já se encontram em uso no mercado, tais como: S, SN, SNA e SNH.

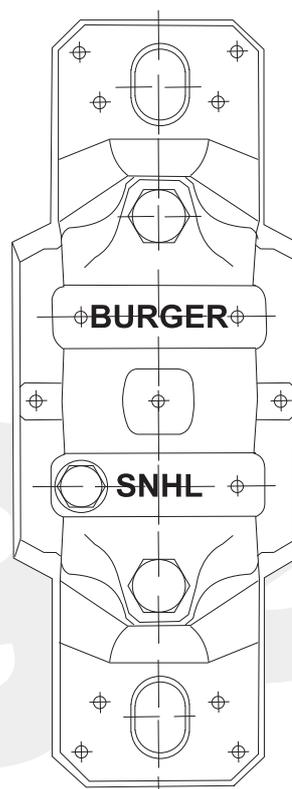


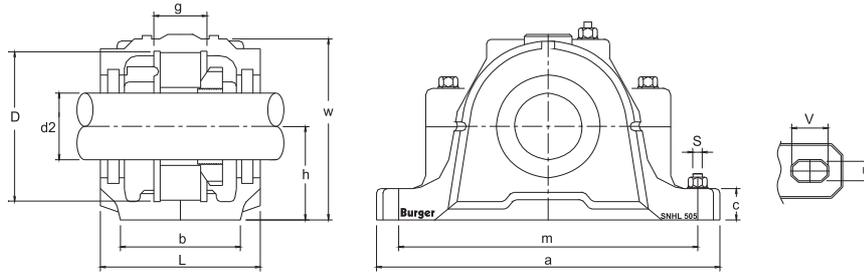
Detalhe das entradas no mancal para fixação de sensores.



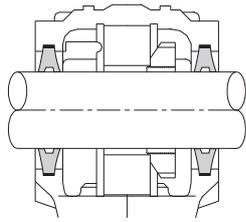
Encaixe	Dimensões					
Tamanho	L1	L2	L3	L4	D2	D3
—	mm					
SNHL 205	44	5	7,5	10	36,5	44,5
SNHL 206-305	54	5	7,5	10	46,5	54,5
SNHL 207	58	5	8	11	56,5	64,5
SNHL 209	59	5	9	12	67	75,5
SNHL 208-307	61	5	8	11	62	70,5
SNHL 210	64	5	9	12	72	80,5
SNHL 211	69	5	9	12	77	85,5
SNHL 212	79	5	9	12	87	95,5
SNHL 213	82	5	9	13	92,5	101
SNHL 215	87	5	9	13	102,5	111
SNHL 216	92	5	9	13	108	116,5
SNHL 217	97	5	9	13	112	120,5
SNHL 218	112	5	9	13	120	128,5
SNHL505	45	5	7,5	10	31,5	39,5
SNHL506-507	55	5	7,5	10	36,5	44,5
SNHL 510-608	59	5	8	11	46,5	54,5
SNHL 509	60	5	9	12	56,5	64,5
SNHL 508-607	62	5	8	11	51,5	59,5
SNHL 510-608	65	5	9	12	62	70,5
SNHL 511-609	70	5	9	12	67	75,5
SNHL 512-610	80	5	9	12	72	80,5
SNHL 513-611	83	5	9	13	77	85,5
SNHL 515-612	88	5	9	13	87	95,5
SNHL 516-613	93	5	9	13	92,5	101
SNHL 517	98	5	9	13	97,5	106
SNHL 518-615	113	5	9	13	102,5	111
SNHL 519-616	116	6	10	14	131	141
SNHL 520-617	131	6	10	14	137,5	147,5
SNHL 522-619	143	6	10	14	147,5	157,5
SNHL 524-620	151	6	11	15	157,5	167,5
SNHL 526	156	6	11	15	167,5	177,5
SNHL 528	171	6	11	15	177,5	187,5
SNHL 530	189	6	11	15	192,5	202,5
SNHL 532	201	6	11	15	202,5	147,5

Tabela de dimensões para ranhuras de vedação.

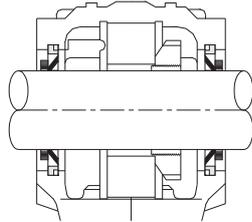




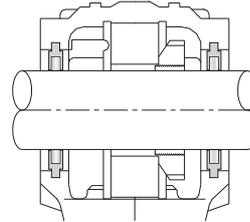
CAIXA	Eixo d2	D H7	a	b	c	g H12	h H12	L	w	m	S	u	V	X
SNHL 505	20	52	165	46	19	25	40	67	74	130	M10	13	22	18
SNHL 605	25	62	185	52	22	32	50	77	89	150	M10	13	22	17
SNHL 506	25	62	185	52	22	32	50	77	89	150	M10	13	22	19
SNHL 606	25	72	185	52	22	34	50	82	93	150	M10	13	20	22
SNHL 507	30	72	185	52	22	34	50	82	93	150	M10	13	20	21
SNHL 607	30	80	205	60	25	39	60	85	107	170	M12	15	20	25
SNHL 508	35	80	205	60	25	39	60	85	107	170	M12	15	20	22
SNHL 608	35	90	205	60	25	41	60	90	113	170	M12	15	20	27
SNHL 509	40	85	205	60	25	30	60	85	109	170	M12	15	20	23
SNHL 609	40	100	255	70	28	44	70	95	127	210	M16	18	23	30
SNHL 510	45	90	205	60	25	41	60	90	113	170	M12	15	20	24
SNHL 610	45	110	255	70	30	48	70	105	133	210	M16	18	23	33
SNHL 511	50	100	255	70	28	44	70	95	127	210	M16	18	23	26
SNHL 611	50	120	275	80	30	51	80	110	148	230	M16	18	24	35
SNHL 512	55	110	255	70	30	48	70	105	133	210	M16	18	23	28
SNHL 612	55	130	280	80	30	56	80	115	154	230	M16	18	26	37
SNHL 513	60	120	275	80	30	51	80	110	148	230	M16	18	24	31
SNHL 613	60	140	315	90	32	58	95	120	175	260	M20	22	29	39
SNHL 515	65	130	280	80	30	56	80	115	154	230	M16	18	26	32
SNHL 615	65	160	345	100	35	65	100	140	193	290	M20	22	27	43



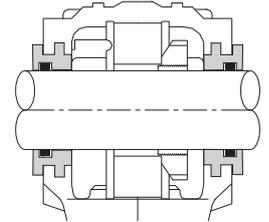
Vedação TG com duplo raspador



Vedação TA anéis em V



Vedação TC Vedadores de feltro



Vedação TS anéis de labirinto

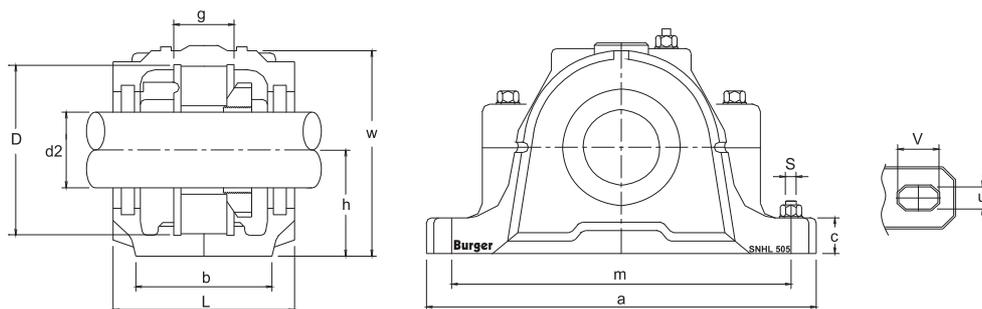
**ROLAMENTOS**

**BUCHAS**

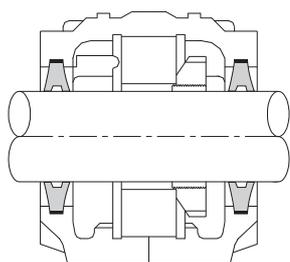
**ANÉIS DE BLOQUEIO**

**CAIXA**

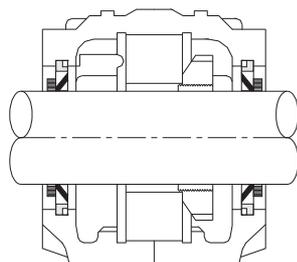
1205k	H 205	2 FRB 52/5	SNHL 505
2205K	H 305	2 FRB 52/3.5	
1305k	H 305	2 FRB 62/7.5	SNHL 605
1206k	H 206	2 FRB 62/8	SNHL 506
2206K	H 306	2 FRB 62/6	
1306k	H 306	2 FRB 72/7.5	SNHL 606
2306K	H 2306	2 FRB 72/3.5	
1207k	H 207	2 FRB 72/8.5	SNHL 507
2207K	H 307	2 FRB 72/5.5	
22207k	H 307	2 FRB 72/5.5	
1307k	H 307	2 FRB 80/9	SNHL 607
2307K	H 2307	2 FRB 80/4	
1208k	H 208	2 FRB 80/10.5	SNHL 508
2208K	H 308	2 FRB 80/8	
22208k	H 308	2 FRB 80/8	
1308k	H 308	2 FRB 90/9	SNHL 608
2308K	H 2308	2 FRB 90/4	
21308CCK	H 308	2 FRB 90/9	
22308k	H 2308	2 FRB 90/4	
1209k	H 209	2 FRB 85/5.5	SNHL 509
2209K	H 309	2 FRB 85/3.5	
22209k	H 309	2 FRB 85/3.5	
1309k	H 309	2 FRB 100/9.5	SNHL 609
2309K	H 2309	2 FRB 100/4	
21309k	H 309	2 FRB 100/9.5	
22309k	H 2309	2 FRB 100/4	
1210k	H 210	2 FRB 90/10.5	SNHL 510
2210K	H 310	2 FRB 90/9	
22210k	H 310	2 FRB 90/9	
1310k	H 310	2 FRB 110/10.5	SNHL 610
2310K	H 2310	2 FRB 110/4	
21310k	H 310	2 FRB 110/10.5	
22310k	H 2310	2 FRB 110/4	
1211k	H 211	2 FRB 100/11.5	SNHL 511
2211K	H 311	2 FRB 100/9.5	
22211k	H 311	2 FRB 100/9.5	
1311k	H 311	2 FRB 120/11	SNHL 611
2311K	H 2311	2 FRB 120/4	
21311k	H 311	2 FRB 120/11	
22311k	H 2311	2 FRB 120/4	
1212k	H 212	2 FRB 110/13	SNHL 512
2212K	H 312	2 FRB 110/10	
22212k	H 312	2 FRB 110/10	
1312k	H 312	2 FRB 130/12.5	SNHL 612
2312K	H 2312	2 FRB 130/5	
21312k	H 312	2 FRB 130/12.5	
22312k	H 2312	2 FRB 130/5	
1213k	H 213	2 FRB 120/14	SNHL 513
2213K	H 313	2 FRB 120/10	
22213k	H 313	2 FRB 120/10	
1313k	H 313	2 FRB 140/12.5	SNHL 613
2313K	H 2313	2 FRB 140/5	
21313k	H 313	2 FRB 140/12.5	
22313k	H 2313	2 FRB 140/5	
1215k	H 215	2 FRB 130/15.5	SNHL 515
2215K	H 315	2 FRB 130/12.5	
22215k	H 315	2 FRB 130/12.5	
1315k	H 315	2 FRB 160/14	SNHL 615
2315K	H 2315	2 FRB 160/5	
21315k	H 315	2 FRB 160/14	
22315k	H 2315	2 FRB 160/5	



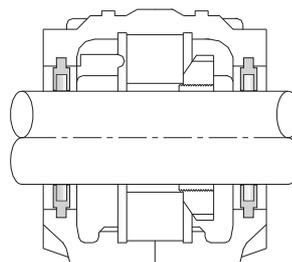
CAIXA	Eixo d2	D H7	a	b	c	g H12	h H12	L	w	m	S	u	V	X
SNHL 516	70	140	315	90	32	58	95	120	175	260	M20	22	28	35
SNHL 616	70	170	345	100	35	68	112	145	210	290	M20	22	28	47
SNHL 517	75	150	320	90	32	61	95	125	183	260	M20	22	28	37
SNHL 617	75	180	380	110	40	70	112	160	215	320	M24	26	32	49
SNHL 518	80	160	345	100	35	65	100	140	193	290	M20	22	27	46
SNHL 618	80	190	320	110	40	74	112	155	229	320	M24	22	26	52
SNHL 519	85	170	345	100	35	68	112	145	210	290	M20	22	27	42
SNHL 619	85	200	410	120	45	80	125	175	239	350	M24	26	32	54
SNHL 520	90	180	380	110	40	70	112	160	215	320	M24	26	32	52
SNHL 522	100	200	410	120	45	80	125	175	239	350	M24	26	32	58
SNHL 620	90	215	410	120	45	86	140	185	271	350	M24	26	32	58
SNHL 524	110	215	410	120	45	86	140	185	271	350	M24	26	32	62
SNHL 526	115	230	445	130	50	90	150	190	290	380	M24	28	35	65
SNHL 528	125	250	500	150	50	98	150	205	302	420	M30	35	42	70
SNHL 530	135	270	530	160	60	106	160	220	323	450	M30	35	42	76
SNHL 532	140	290	550	160	60	114	170	235	344	470	M30	35	42	82



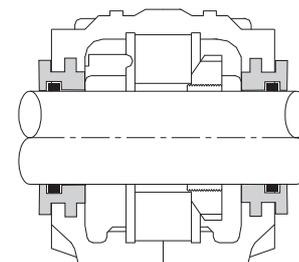
Vedação TG  
com duplo raspador



Vedação TA  
anéis em V



Vedação TC  
Vedadores de feltro



Vedação TS  
anéis de labirinto

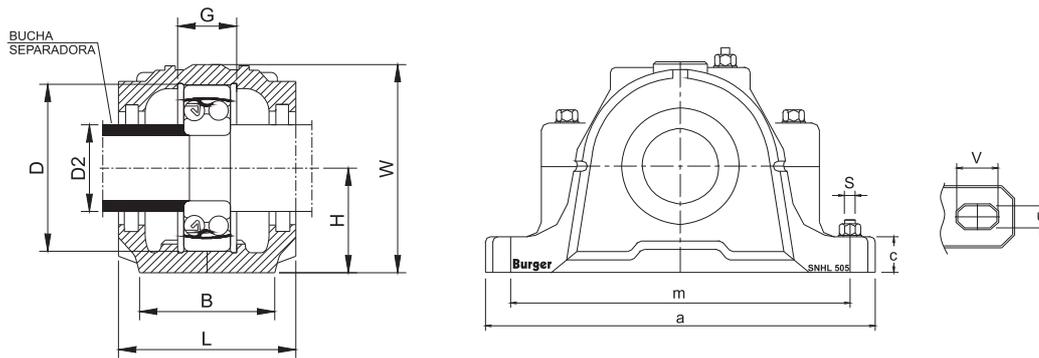
**ROLAMENTOS**

**BUCHAS**

**ANÉIS DE BLOQUEIO**

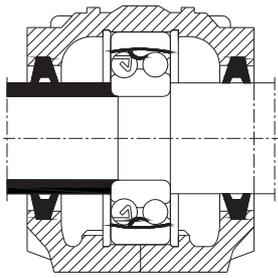
**CAIXA**

1216k 2216k 22216k	H 216 H 316 H 316	2 FRB 140/16 2 FRB 140/12.5 2 FRB 140/12.5	SNHL 516
1316k 2316k 21316k 22316k	H 316 H 2316 H 316 H 2316	2 FRB 170/14.5 2 FRB 170/5 2 FRB 170/14.5 2 FRB 170/5	SNHL 616
1217k 2217k 22217k	H 217 H 317 H 317	2 FRB 150/16.5 2 FRB 150/12.5 2 FRB 150/12.5	SNHL 517
1317k 2317k 21317k 22317k	H 317 H 2317 H 317 H 2317	2 FRB 180/14.5 2 FRB 180/5 2 FRB 180/14.5 2 FRB 180/5	SNHL 617
1218k 2218k 22218k 23218k	H 218 H 318 H 318 H 2318	2 FRB 160/17.5 2 FRB 160/12.5 2 FRB 160/12.5 2 FRB 160/6.25	SNHL 518
1318k 2318k 21318k 22318k	H 318 H 2318 H 318 H 2318	2 FRB 190/15.5 2 FRB 190/5 2 FRB 190/12.5 2 FRB 190/5	SNHL 618
1219k 2219k 22219k	H 219 H 319 H 319	2 FRB 170/18 2 FRB 170/12.5 2 FRB 170/12.5	SNHL 519
1319k 2319k 21319k 22319k	H 319 H 2319 H 319 H 2319	2 FRB 200/17.5 2 FRB 200/6.5 2 FRB 200/17.5 2 FRB 200/6.5	SNHL 619
1220k 2220k 22220k 23220k	H 220 H 320 H 320 H 2320	2 FRB 180/18 2 FRB 180/12 2 FRB 180/12 2 FRB 180/4.85	SNHL 520
1222k 2222k 22222k 23222k	H 222 H 322 H 322 H 2322	2 FRB 200/21 2 FRB 200/13.5 2 FRB 200/13.5 2 FRB 200/5.1	SNHL 522
1320k 2320k 21320k 22320k	H 320 H 2320 H 320 H 2320	2 FRB 215/19.5 2 FRB 215/6.5 2 FRB 215/19.5 2 FRB 215/6.5	SNHL 620
22224K 23224k	H 3124 H 2324	2 FRB 215/14 2 FRB 215/5	SNHL 524
2226K 23226k	H 3126 H 2326	2 FRB 230/13 2 FRB 230/5	SNHL 526
22228K 23228k	H 3128 H 2328	2 FRB 250/15 2 FRB 250/5	SNHL 528
22230K 23230k	H 3130 H 2330	2 FRB 270/16.5 2 FRB 270/5	SNHL 530
22232K 23232k	H 3132 H 2332	2 FRB 290/17 2 FRB 290/5	SNHL 532

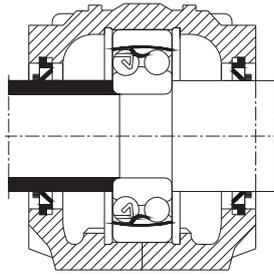


CAIXA	Eixo d2	D H7	a	b	c	g H12	h H12	L	w	m	S	u	V	X
SNHL 205	25-30	52	165	46	19	25	40	67	74	130	M20	15	12	18
SNHL 305	25-30	62	185	52	22	32	50	77	89	150	M20	15	12	21
SNHL 206	30-35	62	185	52	22	32	50	77	89	150	M20	15	12	19
SNHL 306	30-35	72	185	52	22	34	50	82	93	150	M20	15	12	22
SNHL 207	35-45	72	185	52	22	34	50	82	93	150	M20	15	12	21
SNHL 307	35-45	80	205	60	25	39	60	85	107	170	M20	15	12	25
SNHL 208	40-50	80	205	60	25	39	60	85	107	170	M20	15	12	22
SNHL 308	40-50	90	205	60	25	41	60	90	113	170	M20	15	12	27
SNHL 209	45-55	85	205	60	25	30	60	85	109	170	M20	15	12	23
SNHL 309	45-55	100	255	70	28	44	70	95	127	210	M24	18	16	30
SNHL 210	50-60	90	205	60	25	41	60	90	113	170	M20	15	12	24
SNHL 310	50-60	110	255	70	30	48	70	105	133	210	M24	18	16	33
SNHL 211	55-65	100	255	70	28	44	70	95	127	210	M24	18	16	26
SNHL 311	55-65	120	275	80	30	51	80	110	148	230	M24	18	16	35
SNHL 212	60-70	110	255	70	30	48	70	105	133	210	M24	18	16	28
SNHL 312	60-70	130	280	80	30	56	80	115	154	230	M24	18	16	37
SNHL 213	65-75	120	275	80	30	51	80	110	148	230	M24	18	16	31
SNHL 313	65-75	140	315	90	32	58	95	120	175	260	M28	22	20	39

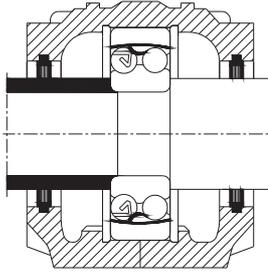
OBS: Para o uso das vedações TA na séries 200 e 300 é feito uma usinagem diferenciada nas caixas.  
A bucha separadora do diâmetro D2 não será fornecida.



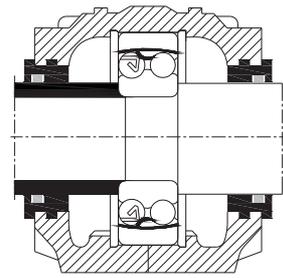
Vedação TG  
com duplo raspador



Vedação TA  
anéis em V



Vedação TC  
Vedadores de feltro



Vedação TS  
anéis de labirinto

## ROLAMENTOS

## ANÉIS DE BLOQUEIO

## CAIXA

1205  
2205  
22205

2 FRB 52/5  
2 FRB 52/3.5  
2 FRB 52/3.5

SNHL 205

1305  
2305  
21305

2 FRB 62/7.5  
2 FRB 62/4  
2 FRB 62/7.5

SNHL 305

1206  
2206  
22206

2 FRB 62/8  
2 FRB 62/6  
2 FRB 62/6

SNHL 206

1306  
2306  
21306

2 FRB 72/7.5  
2 FRB 72/3.5  
2 FRB 72/7,7

SNHL 306

1207  
2207  
22207

2 FRB 72/8.5  
2 FRB 72/5.5  
2 FRB 72/5.5

SNHL 207

1307  
2307  
21307

2 FRB 80/9  
2 FRB 80/4  
2 FRB 80/9

SNHL 307

1208  
2208  
22208

2 FRB 80/10.5  
2 FRB 80/8  
2 FRB 80/8

SNHL 208

1308  
2308  
21308  
22308

2 FRB 90/9  
2 FRB 90/4  
2 FRB 90/9  
2 FRB 90/4

SNHL 308

1209  
2209  
22209

2 FRB 85/5.5  
2 FRB 85/3.5  
2 FRB 85/3.5

SNHL 209

1309  
2309  
21309  
22309

2 FRB 100/9.5  
2 FRB 100/4  
2 FRB 100/9.5  
2 FRB 100/4

SNHL 309

1210  
2210  
22210

2 FRB 90/10.5  
2 FRB 90/9  
2 FRB 90/9

SNHL 210

1310  
2310  
21310  
22310

2 FRB 110/10.5  
2 FRB 110/4  
2 FRB 110/10.5  
2 FRB 110/4

SNHL 310

1211  
2211  
22211

2 FRB 100/11.5  
2 FRB 100/9.5  
2 FRB 100/9.5

SNHL 211

1311  
2311  
21311  
22311

2 FRB 120/11  
2 FRB 120/4  
2 FRB 120/11  
2 FRB 120/4

SNHL 311

1212  
2212  
22212

2 FRB 110/13  
2 FRB 110/10  
2 FRB 110/10

SNHL 212

1312  
2312  
21312  
22312

2 FRB 130/12.5  
2 FRB 130/5  
2 FRB 130/12.5  
2 FRB 130/5

SNHL 312

1213  
2213  
22213

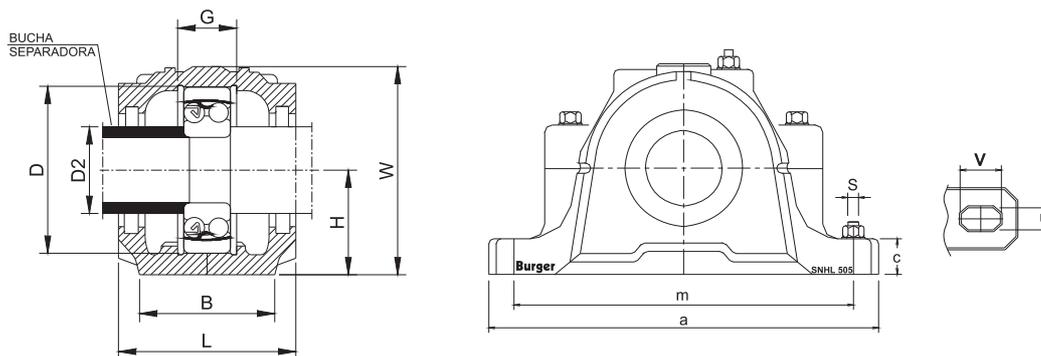
2 FRB 120/14  
2 FRB 120/10  
2 FRB 120/10

SNHL 213

1313  
2313  
21313  
22313

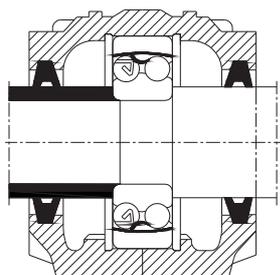
2 FRB 140/12.5  
2 FRB 140/5  
2 FRB 140/12.5  
2 FRB 140/5

SNHL 313

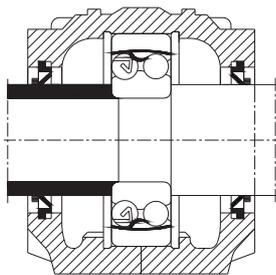


CAIXA	Eixo d2	D H7	a	b	c	g H12	h H12	L	w	m	S	u	V	X
SNHL 215	75-85	130	280	80	30	56	80	115	154	230	M24	18	16	32
SNHL 315	75-85	160	345	100	35	65	100	140	193	290	M28	22	20	44
SNHL 216	80-90	140	315	90	32	58	95	120	175	260	M28	22	20	35
SNHL 316	80-90	170	345	100	35	68	112	145	210	290	M28	22	20	47
SNHL 217	85-95	150	320	90	32	61	95	125	183	260	M28	22	20	37
SNHL 317	85-95	180	380	110	40	70	112	160	215	320	M32	26	24	49
SNHL 218	90-100	160	345	100	35	65	100	140	193	290	M28	22	20	100
SNHL 318	90-105	190	320	110	40	74	112	155	229	320	M28	26	32	-
SNHL 319	95-110	200	410	120	45	80	125	175	239	350	M32	26	24	54
SNHL 219	95-110	170	345	100	35	68	112	145	210	290	M20	22	27	-
SNHL 220	100-115	180	380	110	40	70	112	160	215	320	M32	26	24	52
SNHL 320	100-115	215	410	120	45	86	140	185	271	350	M32	26	24	58
SNHL 222	110-125	200	410	120	45	80	125	175	239	350	M32	26	24	58
SNHL 224	120-135	215	410	120	45	86	140	185	271	350	M32	26	24	62
SNHL 226	130-145	230	445	130	50	90	150	190	290	380	M35	28	24	65
SNHL 228	140-155	250	500	150	50	98	150	205	302	420	M42	35	30	70
SNHL 230	150-165	270	530	160	60	106	160	220	323	450	M42	35	30	76
SNHL 232	160-175	290	550	160	60	114	170	235	344	470	M28	22	20	82

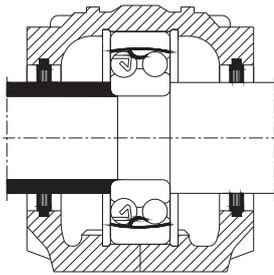
OBS: Para o uso das vedações TA na séries 200 e 300 é feito uma usinagem diferenciada nas caixas. A bucha separadora do diâmetro D2 não será fornecida.



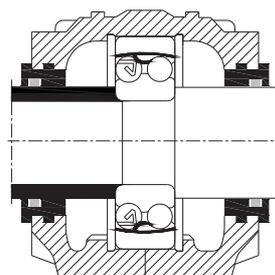
Vedação TG  
com duplo raspador



Vedação TA  
anéis em V



Vedação TC  
Vedadores de feltro



Vedação TS  
anéis de labirinto

**ROLAMENTOS**

**ANÉIS DE BLOQUEIO**

**CAIXA**

1215 2215 22215	2 FRB 130/15.5 2 FRB 130/12.5 2 FRB 130/12.5	SNHL 215
1315 2315 21315 22315	2 FRB 160/14 2 FRB 160/5 2 FRB 160/14 2 FRB 160/5	SNHL 315
1216 2216 22216	2 FRB 140/16 2 FRB 140/12.5 2 FRB 140/12.5	SNHL 216
1316 2316 21316 22316	2 FRB 170/14.5 2 FRB 170/5 2 FRB 170/14.5 2 FRB 170/5	SNHL 316
1217 2217 22217	2 FRB 150/16.5 2 FRB 150/12.5 2 FRB 150/12.5	SNHL 217
1317 2317 21317 22317	2 FRB 180/14.5 2 FRB 180/5 2 FRB 180/14.5 2 FRB 180/5	SNHL 317
1218 2218 22218 23218	2 FRB 160/17.5 2 FRB 160/12.5 2 FRB 160/12.5 2 FRB 160/6.25	SNHL 218
1318 2318 22318	2 FRB 190/15.5 2 FRB 190/5 2 FRB 190/5	SNHL 318
1319 2319 21319 22319	2 FRB 200/17.5 2 FRB 200/6.5 2 FRB 200/17.5 2 FRB 200/6.5	SNHL 319
1219 2219 22219	2 FRB 170/18 2 FRB 170/12.5 2 FRB 170/12.5	SNHL 219
1220 2220 22220 23220	2 FRB 180/18 2 FRB 180/12 2 FRB 180/12 2 FRB 180/4.85	SNHL 220
1320 2320 21320 22320	2 FRB 215/19.5 2 FRB 215/6.5 2 FRB 215/19.5 2 FRB 215/6.5	SNHL 320
1222 2222 22222 23222	2 FRB 200/21 2 FRB 200/13.5 2 FRB 200/13.5 2 FRB 200/5.1	SNHL 222
1224 22224 23224	2 FRB 215/22 2 FRB 215/14 2 FRB 215/5	SNHL 224
22226 23226	2 FRB 230/13 2 FRB 230/5	SNHL 226
22228 23228	2 FRB 250/15 2 FRB 250/5	SNHL 228
22230 23230	2 FRB 270/16.5 2 FRB 270/5	SNHL 230
22232 23232	2 FRB 290/17 2 FRB 290/5	SNHL 232