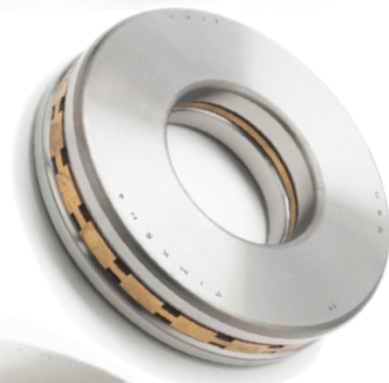


PARA MAIOR DETALHE:
CONSULTAR CATALOGOS DAS MARCAS, CONSTANTES NESTE SEPARADOR.

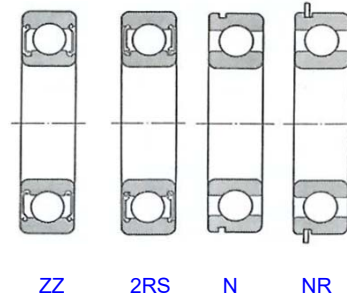
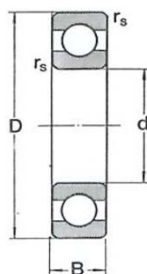
LINHA APOIO TIMKEN: +351 910 800 900

ROLAMENTOS - USO FREQUENTE





ROLAMENTOS RIGIDOS DE ESFERAS



SÉRIE MÉTRICA

d	D	B	Ref
3	7	3	683
	8	4	693
	9	3	603
	10	4	623
	13	5	633
4	9	4	684
	11	4	694
	12	4	604
	13	5	624
	16	5	634
5	11	5	685
	13	4	695
	14	5	605
	16	5	625
	19	6	635
6	13	5	686
	15	5	696
	17	6	606
	19	6	626
	22	7	636
7	14	5	687
	17	5	697
	19	6	607
	22	7	627
	26	9	637
8	16	5	688
	19	6	698
	22	7	608
	24	8	628
	28	9	638
9	17	5	689
	20	6	699
	24	7	609
	26	8	629
	30	10	639
10	19	5	6800
	22	6	6900
	26	8	6000
	28	8	16100
	30	9	6200
	35	11	6300
12	21	5	6801
	24	6	6901
	28	7	16001
	28	8	6001
	30	8	16101
	32	10	6201
	37	12	6301
15	24	5	6802
	28	7	6902
	32	8	16002

SÉRIE MÉTRICA

d	D	B	Ref
15	32	9	6002
	35	11	6202
	42	13	6302
17	26	5	6803
	30	7	6903
	35	8	16003
	35	10	6003
	40	12	6203
	47	14	6303
	62	17	6403
20	32	7	6804
	37	9	6904
	42	8	16004
	42	15	6004
	47	14	6204
	52	15	6304
	72	19	6404
22	44	12	60/22
	50	14	62/22
	56	16	63/22
25	37	7	6805
	42	9	6905
	47	8	16005
	47	12	6005
	52	15	6205
	62	17	6305
	80	21	6405
28	52	12	60/28
	58	16	62/28
	68	18	63/28
30	42	7	6806
	47	9	6906
	55	9	16006
	55	13	6006
	62	16	6206
	72	19	6306
	90	23	6406
32	58	13	60/32
	65	17	62/32
	75	20	63/32
35	47	7	6807
	55	10	6907
	62	9	16007
	62	14	6007
	72	17	6207
	80	21	6307
	100	25	6407
40	52	7	6808
	62	12	6908
	68	9	16008
	68	15	6008

SÉRIE MÉTRICA

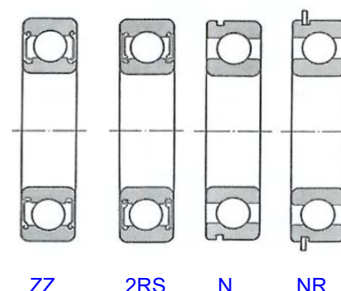
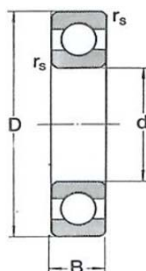
d	D	B	Ref
40	80	18	6208
	90	23	6308
	110	27	6408
45	58	7	6809
	68	12	6909
	75	10	16009
	75	16	6009
	85	19	6209
	100	25	6309
	120	29	6409
50	65	7	6810
	72	12	6910
	80	10	16010
	80	16	6010
	90	20	6210
	110	27	6310
	130	31	6410
55	72	9	6811
	80	13	6911
	90	11	16011
	90	18	6011
	100	21	6211
	120	29	6311
	140	33	6411
60	78	10	6812
	85	13	6912
	95	11	16012
	95	18	6012
	110	22	6212
	130	31	6312
	150	35	6412
65	85	10	6813
	90	13	6913
	100	11	16013
	100	18	6013
	120	23	6213
	140	33	6313
	160	37	6413
70	90	10	6814
	100	16	6914
	110	13	16014
	110	20	6014
	125	24	6214
	150	35	6314
	180	42	6414
75	95	10	6815
	105	16	6915
	115	13	16015
	115	20	6015
	130	25	6215
	160	37	6315

SÉRIE MÉTRICA

d	D	B	Ref
75	190	45	6415
80	100	10	6816
	110	16	6916
	125	14	16016
	125	22	6016
	140	26	6216
	170	39	6316
	200	48	6416
85	110	13	6817
	120	18	6917
	130	14	16017
	130	22	6017
	150	28	6217
	180	41	6317
	210	52	6417
90	115	13	6818
	125	18	6918
	140	16	16018
	140	24	6018
	160	30	6218
	190	43	6318
	225	54	6418
95	120	13	6819
	130	18	6919
	145	16	16019
	145	24	6019
	170	32	6219
	200	45	6319
100	125	13	6820
	140	20	6920
	150	16	16020
	150	24	6020
	180	34	6220
	215	47	6320
105	130	13	6821
	145	20	6921
	160	18	16021
	160	26	6021
	190	36	6221
	225	49	6321
110	140	16	6822
	150	20	6922
	170	19	16022
	170	28	6022
	200	38	6222
	240	50	6322
120	150	16	6824
	165	22	6924
	180	19	16024
	180	28	6024
	215	40	6224



ROLAMENTOS RIGIDOS DE ESFERAS



SÉRIE MÉTRICA

d	D	B	Ref
120	260	55	6324
130	165	18	6826
	180	24	6926
	200	22	16026
	200	33	6026
	230	40	6226
	280	58	6326
140	175	18	6828
	190	24	6928
	210	22	16028
	210	33	6028
	250	42	6228
	300	62	6328
150	180	20	6830
	210	28	6930
	225	24	16030
	225	35	6030
	270	45	6230
	320	65	6330
160	200	20	6832
	220	28	6932
	240	25	16032
	240	38	6032
	290	48	6232
	340	68	6332
170	215	22	6834
	230	28	6934
	260	28	16034
	260	42	6034
	310	52	6234
	360	72	6334
180	225	22	6836
	250	33	6936
	280	31	16036
	280	46	6036
	320	52	6236
	380	75	6336
190	240	24	6838
	260	33	6938
	290	31	16038
	290	46	6038
	340	55	6238
	400	78	6338
200	250	24	6840
	280	38	6940
	310	34	16040
	310	51	6040
	360	58	6240
	420	80	6340
220	270	24	6844
	300	38	6944

SÉRIE MÉTRICA

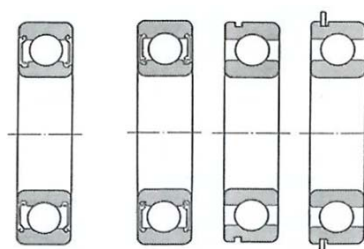
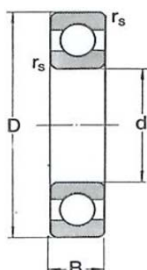
d	D	B	Ref
220	340	37	16044
	340	56	6044
	400	65	6244
240	300	28	6848
	320	38	6948
	360	37	16048
	360	56	6048
	440	72	6248
	540	102	6352
260	320	28	6852
	360	46	6952
	400	44	16052
	400	65	6052
	480	80	6252
	540	102	6352
280	350	33	6856
	380	46	6956
	420	44	16056
	420	65	6056
	500	80	6256
	580	108	6356
300	380	38	6860
	420	56	6960
	460	50	16060
	460	74	6060
	540	85	6260
	640	115	6360
320	400	38	6864
	440	56	6964
	480	50	16064
	480	74	6064
	580	92	6264
	680	125	6364
340	420	38	6868
	460	56	6968
	520	82	6068
	620	92	6268
	720	112	6272
	820	142	6372
360	440	38	6872
	480	56	6972
	540	82	6072
	640	95	6272
	740	115	6276
	840	145	6376
380	560	82	6076
	600	90	6080
	620	90	6084
	640	94	6088
	660	98	6092
	680	102	6096
500	720	100	60/ 500
	780	112	60/ 530
	820	115	60/ 560
	870	118	60/ 600
	920	128	60/ 630
	980	136	60/ 670

SÉRIE POLEGADAS

d	D	B	Ref
1/8"	3/8"	5/32"	KLNJ 1/8
	3/8"	5/32"	R2
	1/2"	11/64"	R2A
3/16"	1/2"	5/32"	KLNJ 3/16
	1/2"	5/32"	R3
	1/2"	5/32"	(R3)
	1/2"	0,196	(R3A)
1/4"	5/8"	0,196	R4
	5/8"	11/32"	(WSR4)
	3/4"	7/32"	KLNJ 1/4
	3/4"	9/32"	(KLNJ 1/4)
	3/4"	7/32"	R4A
	3/4"	9/32"	(R4A)
3/8"	7/8"	7/32"	KLNJ 3/8
	7/8"	9/32"	(KLNJ 3/8)
	7/8"	7/32"	R6
	7/8"	9/32"	(R6)
	7/8"	3/8"	(WSR6)
	1"1/2	9/16"	MJ 3/8
1/2"	1"1/8	1/4"	KLNJ 1/2
	1"1/8	5/16"	(KLNJ 1/2)
	1"1/8	1/4"	R8
	1"1/8	5/16"	(R8)
	1"5/16	3/8"	LJ 1/2
	1"5/8	5/8"	MJ 1/2
5/8"	1"3/8	9/32"	KLNJ 5/8
	1"3/8	11/32"	(KLNJ 5/8)
	1"3/8	9/32"	R10
	1"3/8	11/32"	(R10)
	1"9/16	7/16"	LJ 5/8
	1"13/16	5/8"	MJ 5/8
3/4"	1"5/8	5/16"	KLNJ 3/4
	1"5/8	7/16"	(KLNJ 3/4)
	1"5/8	5/16"	R12
	1"5/8	7/16"	(R12)
	1"7/8	9/16"	LJ 3/4
	2"	11/16"	MJ 3/4
7/8"	1"7/8	3/8"	KLNJ 7/8
	1"7/8	1/2"	(KLNJ 7/8)
	1"7/8	3/8"	R14
	1"7/8	1/2"	(R14)
	2"	9/16"	LJ 7/8
	2"1/4	11/16"	MJ 7/8
1"	2"	3/8"	KLNJ 1
	2"	1/2"	(KLNJ 1)
	2"	3/8"	R16
	2"	1/2"	(R16)
	2"1/4	5/8"	LJ 1
	2"1/2	3/4"	MJ 1
1"1/8	2"1/8	3/8"	KLNJ 1"1/8
	2"1/8	3/8"	R18



ROLAMENTOS RIGIDOS DE ESFERAS



ZZ 2RS N NR

SÉRIE POLEGADAS

d	D	B	Ref
1/8"	3/8"	5/32"	KLNJ 1/8
	3/8"	5/32"	R2
	1/2"	11/64"	R2A
3/16"	1/2"	5/32"	KLNJ 3/16
	1/2"	5/32"	R3
	1/2"	5/32"	(R3)
	1/2"	0,196	(R3A)
1/4"	5/8"	0,196	R4
	5/8"	11/32"	(WSR4)
	3/4"	7/32"	KLNJ 1/4
	3/4"	9/32"	(KLNJ 1/4)
	3/4"	7/32"	R4A
3/8"	3/4"	9/32"	(R4A)
	7/8"	7/32"	KLNJ 3/8
	7/8"	9/32"	(KLNJ 3/8)
	7/8"	7/32"	R6
	7/8"	9/32"	(R6)
1/2"	7/8"	3/8"	(WSR6)
	1"1/2	9/16"	MJ 3/8
	1"1/8	1/4"	KLNJ 1/2
	1"1/8	5/16"	(KLNJ 1/2)
	1"1/8	1/4"	R8
5/8"	1"1/8	5/16"	(R8)
	1"5/16	3/8"	LJ 1/2
	1"5/8	5/8"	MJ 1/2
	1"3/8	9/32"	KLNJ 5/8
	1"3/8	11/32"	(KLNJ 5/8)
3/4"	1"3/8	9/32"	R10
	1"3/8	11/32"	(R10)
	1"9/16	7/16"	LJ 5/8
	1"13/16	5/8"	MJ 5/8
	1"5/8	5/16"	KLNJ 3/4
7/8"	1"5/8	7/16"	(KLNJ 3/4)
	1"5/8	5/16"	R12
	1"5/8	7/16"	(R12)
	1"7/8	9/16"	LJ 3/4
	2"	11/16"	MJ 3/4
1"	1"7/8	3/8"	KLNJ 7/8
	1"7/8	1/2"	(KLNJ 7/8)
	1"7/8	3/8"	R14
	1"7/8	1/2"	(R14)
	2"	9/16"	LJ 7/8
1"1/8"	2"1/4	11/16"	MJ 7/8
	2"	3/8"	KLNJ 1
	2"	1/2"	(KLNJ 1)
	2"	3/8"	R16
	2"	1/2"	(R16)
1"1/4"	2"1/4	5/8"	LJ 1
	2"1/2	3/4"	MJ 1
	2"1/8	3/8"	KLNJ 1"1/8
	2"1/8	3/8"	R18

SÉRIE POLEGADAS

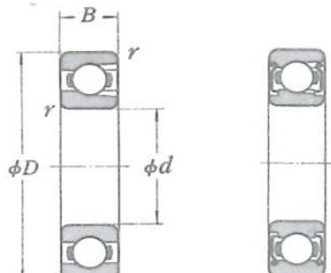
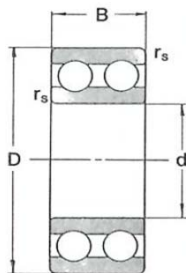
d	D	B	Ref	
1"1/8"	2"1/2	5/8"	LJ 1"1/8	
	2"13/16	13/16"	MJ 1"1/8	
1"1/4"	2"1/4	3/8"	KLNJ 1"1/4	
	2"1/4	1/2"	(KLNJ 1"1/4)	
	2"1/4	3/8"	R20	
	2"1/4	1/2"	(R20)	
	2"3/4	11/16"	LJ 1"1/4	
1"3/8"	3"1/8	7/8"	MJ 1"1/4	
	2"1/2	7/16"	KLNJ 1"3/8	
	2"1/2	7/16"	R22	
	2"9/16	9/16"	XLJ 1"3/8	
	3"	11/16"	LJ 1"3/8	
1"1/2"	3"1/2	7/8"	MJ 1"3/8	
	2"5/8	7/16"	KLNJ 1"1/2	
	2"11/16	9/16"	XLJ 1"1/2	
	3"1/4	3/4"	LJ 1"1/2	
	3"3/4	15/16"	MJ 1"1/2	
1"5/8"	2"7/8	9/16"	XLJ 1"5/8	
	3"1/2	3/4"	LJ 1"5/8	
	4"	15/16"	MJ 1"5/8	
	1"3/4	3"	XLJ 1"3/4	
	3"3/4	13/16"	LJ 1"3/4	
1"7/8"	4"1/4	1"1/16	MJ 1"3/4	
	3"3/16	5/8"	XLJ 1"7/8	
	4"	13/16"	LJ 1"7/8	
	4"1/2	1"1/16	MJ 1"7/8	
	2"	3"5/16	5/8"	XLJ 2
2"1/4"	4"	13/16"	LJ 2	
	4"1/2	1"1/16	MJ 2	
	3"9/16	5/8"	XLJ 2"1/4	
	4"1/2	7/8"	LJ 2"1/4	
	5"	1"1/4	MJ 2"1/4	
2"1/2"	3"7/8	11/16"	XLJ 2"1/2	
	5"	15/16"	LJ 2"1/2	
	5"1/2	1"1/4	MJ 2"1/2	
	4"1/8	11/16"	XLJ 2"3/4	
	5"1/4	15/16"	LJ 2"3/4	
2"3/4"	6"1/4	1"3/8	MJ 2"3/4	
	3"	4"1/2	3/4"	XLJ 3
	5"3/4	1"1/16	LJ 3	
	7"	1"9/16	MJ 3	
	3"1/4	4"3/4	3/4"	XLJ 3"1/4
3"3/8"	6"	1"1/16	LJ 3"1/4	
	7"1/2	1"9/16	MJ 3"1/4	
	7"1/2	1"9/16	MJ 3"3/8	
	3"1/2	5"	3/4"	XLJ 3"1/2
	6"1/2	1"1/8	LJ 3"1/2	
3"3/4"	8"1/8	1"3/4	MJ 3"1/2	
	5"1/4	3/4"	XLJ 3"3/4	
	6"3/4	1"1/8	LJ 3"3/4	
	8"1/4	1"3/4	MJ 3"3/4	

SÉRIE POLEGADAS

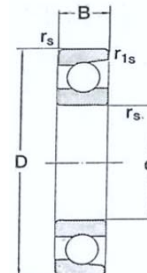
d	D	B	Ref
4"	5"5/8	7/8"	XLJ 4
	7"1/4	1"1/4	LJ 4
4"1/4"	8"1/2	1"3/4	MJ 4
	6"	7/8"	XLJ 4"1/4
4"1/2"	7"1/2	1"1/4	LJ 4"1/4
	8"3/4	1"3/4	MJ 4"1/4
4"3/4"	6"1/4	7/8"	XLJ 4"1/2
	8"	1"5/16	LJ 4"1/2
5"	9"3/8	2"	MJ 4"1/2
	6"1/2	7/8"	XLJ 4"3/4
5"1/4"	8"1/4	1"5/16	LJ 4"3/4
	10"	2"	MJ 4"3/4
5"1/2"	7"	1"	XLJ 5
	9"	1"3/8	LJ 5
5"3/4"	10"	2"	MJ 5
	7"1/4	1"	XLJ 5"1/4
6"	7"1/2	1"	XLJ 5"1/2
	9"1/2	1"3/8	LJ 5"1/2
6"1/2"	11"	2"	MJ 5"1/2
	7"3/4	1"	XLJ 5"3/4
6"1/4"	8"	1"	XLJ 6
	10"1/2	1"9/16	LJ 6
6"1/2"	12"	2"1/4	MJ 6
	8"3/4	1"1/8	XLJ 6"1/2
6"3/4"	11"	1"9/16	LJ 6"1/2
	13"	2"1/2	MJ 6"1/2
7"	9"1/2	1"1/4	XLJ 7
	12"	1"3/4	LJ 7
7"1/2"	13"1/2	2"1/2	MJ 7
	10"	1"1/4	XLJ 7"1/2
7"3/4"	12"1/2	1"3/4	LJ 7"1/2
	14"1/2	2"3/4	MJ 7"1/2
8"	10"3/4	1"3/8	XLJ 8
	13"	1"3/4	LJ 8
8"1/2"	15"	2"3/4	MJ 8
	11"1/2	1"1/2	XLJ 8"1/2
8"3/4"	14"	2"	LJ 8"1/2
	16"	3"	MJ 8"1/2
9"	12"	1"1/2	XLJ 9
	14"1/2	2"	LJ 9
9"1/2"	17"	3"	MJ 9
	12"3/4	1"5/8	XLJ 9"1/2
9"3/4"	15"1/8	2"	LJ 9"1/2
	13"1/4	1"5/8	XLJ 10
10"	15"3/4	2"	LJ 10
	18"1/2	3"1/4	MJ 10
10"1/2"	14"	1"3/4	XLJ 10"1/2
	16"5/8	2"1/4	LJ 10"1/2
10"3/4"	14"1/2	1"3/4	XLJ 11
	17"1/2	2"1/4	LJ 11
11"	20"	3"1/2	MJ 11



ROLAMENTOS RIGIDOS DE ESFERAS



ZZ



DUPLA CARREIRA

d	D	B	Ref
10	30	14	4200B
	35	17	4300
12	32	14	4201B
	37	17	4301
15	35	14	4202B
	42	17	4302B
17	40	16	4203B
	47	19	4303B
20	47	18	4204B
	52	21	4304B
25	52	18	4205B
	62	24	4305B
30	62	20	4206B
	72	27	4306B
35	72	23	4207B
	80	31	4307B
40	80	23	4208B
	90	33	4308B
45	85	23	4209B
	100	36	4309B
50	90	23	4210B
	10	40	4310B
55	100	25	4211B
	120	43	4311B
60	110	28	4212B
	130	46	4312B
65	120	31	4213B
	140	48	4313B
70	125	31	4214B
	150	51	4314B
75	130	31	4215B
	160	55	4315B
80	140	33	4216B
	170	58	4316M
85	150	36	4217B
90	160	40	4218B
95	170	43	4219M
100	180	46	4220M

TIPO MÁXIMO

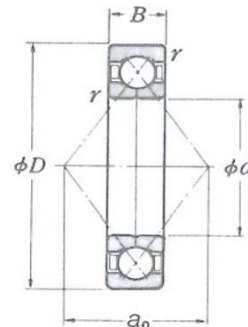
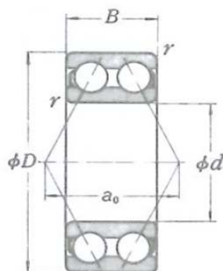
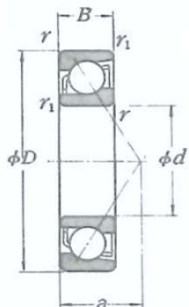
d	D	B	Ref
25	52	15	BL 205
	62	17	BL 305
30	62	16	BL 206
	72	19	BL 306
35	72	17	BL 207
	80	21	BL 307
40	80	18	BL 208
	90	23	BL 308
45	85	19	BL 209
	100	25	BL 309
50	90	20	BL 210
	110	27	BL 310
55	100	21	BL 211
	120	29	BL 311
60	110	22	BL 212
	130	31	BL 312
65	120	23	BL 213
	140	33	BL 313
70	125	24	BL 214
	150	35	BL 314
75	130	25	BL 215
	160	37	BL 315
80	140	26	BL 216
	170	39	BL 316
85	150	28	BL 217
	180	41	BL317
90	160	30	BL 218
	190	43	BL 318
95	170	32	BL 219
	200	45	BL 319
100	180	34	BL 220
105	190	36	BL 221
110	200	38	BL 222

TIPO MAGNETO

d	D	B	Ref
4	16	5	E 4
5	16	5	E 5
6	21	7	E 6
7	22	7	E 7
8	24	7	E 8
9	28	8	E 9
10	28	8	E 10
11	32	7	E 11
12	32	7	E 12
13	30	7	E 13
14	35	8	E 14
15	35	8	E 15
	40	10	BO 15
16	38	10	E 16
17	40	10	L 17
	44	11	BO 17
18	40	9	E 18
19	40	9	E 19
20	47	12	E 20
	47	14	L 20



ROLAMENTOS DE CONTACTO ANGULAR



CONTACTO ANGULAR

d	D	B	Ref
10	30	9	7200 B
	35	11	7300 B
12	32	10	7201 B
	37	12	7301 B
15	35	11	7202 B
	42	13	7302 B
17	40	12	7203 B
	47	14	7303 B
20	47	14	7204 B
	52	15	7304B
25	52	15	7205 B
	62	17	7305 B
30	62	16	7206 B
	72	19	7306 B
35	72	17	7207 B
	80	21	7307 B
40	80	18	7208 B
	90	23	7308 B
45	85	19	7209 B
	100	25	7309 B
50	90	20	7210 B
	110	27	7310 B
55	100	21	7211 B
	120	29	7311 B
60	110	22	7212 B
	130	31	7312 B
65	120	23	7213 B
	140	33	7313 B
70	125	24	7214 B
	150	35	7314 B
75	130	25	7215 B
	160	37	7315 B
80	140	26	7216 B
	170	39	7316 B
85	150	28	7217 B
	180	41	7317 B
90	160	30	7218 B
	190	43	7318 B
95	170	32	7219 B
	200	45	7319 B
100	180	34	7220 B
	215	47	7320 B
105	190	36	7221 B
	225	49	7321 B
110	200	38	7222 B
	240	50	7322 B
120	215	40	7224 B
	260	55	7324 B
130	230	40	7226 B
	280	58	7326 B

CONTACTO ANGULAR DUPLA CARREIRA

d	D	B	Ref
10	30	14,3	3200
12	32	15,9	3201
15	35	15,9	3202
	42	19,0	3302
17	40	17,5	3203
	47	22,2	3303
20	47	20,6	3204
	52	22,2	3304
25	52	20,6	3205
	62	25,4	3305
30	62	23,8	3206
	72	30,2	3306
35	72	27,0	3207
	80	34,9	3307
40	80	30,2	3208
	90	36,5	3308
45	85	30,2	3209
	100	39,7	3309
50	90	30,2	3210
	110	44,4	3310
55	100	33,3	3211
	120	49,2	3311
60	110	36,5	3212
	130	54,0	3312
65	120	38,1	3213
	140	58,7	3313
70	125	39,7	3214
	150	63,5	3314
75	130	41,3	3215
80	140	44,4	3216

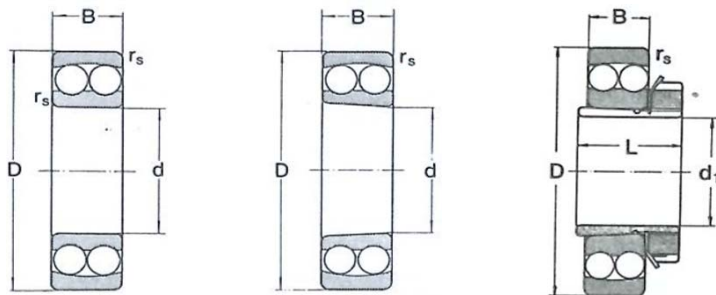
4 PONTOS DE CONTACTO

d	D	B	Ref
30	62	16	QJ 206
	72	19	QJ 306
35	72	17	QJ 207
	80	21	QJ 307
40	80	18	QJ 208
	90	23	QJ 308
45	85	19	QJ 209
	100	25	QJ 309
50	90	20	QJ 210
	110	27	QJ 310
55	100	21	QJ 211
	120	29	QJ 311
60	110	22	QJ 212
	130	31	QJ 312
65	120	23	QJ 213
	140	33	QJ 313
70	125	24	QJ 214
	150	35	QJ 314
75	130	25	QJ 215
	160	37	QJ 315
80	125	22	QJ 1016
	140	26	QJ 216
	170	39	QJ 316
85	130	22	QJ 1017
	150	28	QJ 217
	180	41	QJ 317
90	140	24	QJ 1018
	160	30	QJ 218
	190	43	QJ 318
95	145	24	QJ 1019
	170	32	QJ 219
	200	45	QJ 319

Anel interior bipartido



R. AUTOCOMPENSADORES DE ESFERAS



FURO CILÍNDRICO

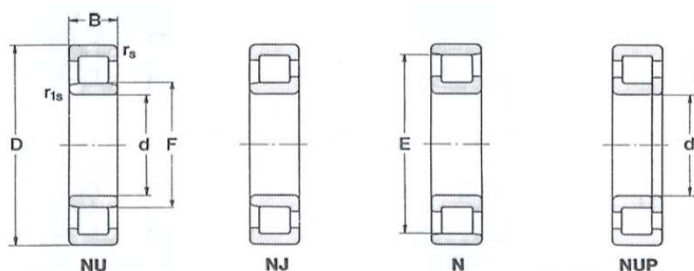
FURO CÓNICO

d	D	B	Cilíndrico	d1	Cónico	Casquilho
5	19	6	135			
6	19	6	126			
7	22	7	127			
8	22	7	108			
9	26	8	129			
10	30	9	1200			
	30	14	2200			
	35	11	1300			
	35	17	2300			
12	32	10	1201			
	32	14	2201			
	37	12	1301			
	37	17	2301			
15	35	11	1202			
	35	14	2202			
	42	13	1302			
	42	17	2302			
17	40	12	1203			
	40	16	2203			
	47	14	1303			
	47	19	2303			
20	47	14	1204	17	1204 K	H 204
	47	18	2204	17	2204 K	H 304
	52	15	1304	17	1304 K	H 304
	52	21	2304	17	2304 K	H 2304
25	52	15	1205	20	1205 K	H 205
	52	18	2205	20	2205 K	H 305
	62	17	1305	20	1305 K	H 305
	62	24	2305	20	2305 K	H 2305
30	62	16	1206	25	1206 K	H 206
	62	20	2206	25	2206 K	H 306
	72	19	1306	25	1306 K	H 306
	72	27	2306	25	2306 K	H 2306
35	72	17	1207	30	1207 K	H 207
	72	23	2207	30	2207 K	H 307
	80	21	1307	30	1307 K	H 307
	80	31	2307	30	2307 K	H 2307
40	80	18	1208	35	1208 K	H 208
	80	23	2208	35	2208 K	H 308
	90	23	1308	35	1308 K	H 308
	90	33	2308	35	2308 K	H 2308
45	85	19	1209	40	1209 K	H 209
	85	23	2209	40	2209 K	H 309
	100	25	1309	40	1309 K	H 309
	100	36	2309	40	2309 K	H 2309
50	90	20	1210	45	1210 K	H 210
	90	23	2210	45	2210 K	H 310
	110	27	1310	45	1310 K	H 310
	110	40	2310	45	2310 K	H 2310

d	D	B	Cilíndrico	d1	Cónico	Casquilho
55	100	21	1211	50	1211 K	H 211
	100	25	2211	50	2211 K	H 311
	120	29	1311	50	1311 K	H 311
	120	43	2311	50	2311 K	H 2311
60	110	22	1212	55	1212 K	H 212
	110	28	2212	55	2212 K	H 312
	130	31	1312	55	1312 K	H 312
	130	46	2312	55	2312 K	H 2312
65	120	23	1213	60	1213 K	H 213
	120	31	2213	60	2213 K	H 313
	140	33	1313	60	1313 K	H 313
	140	48	2313	60	2313 K	H 2313
70	125	24	1214			
	125	31	2214			
	150	35	1314			
	150	51	2314			
75	130	25	1215	65	1215 K	H 215
	130	31	2215	65	2215 K	H 315
	160	37	1315	65	1315 K	H 315
	160	55	2315	65	2315 K	H 2315
80	140	26	1216	70	1216 K	H 216
	140	33	2216	70	2216 K	H 316
	170	39	1316	70	1316 K	H 316
	170	58	2316	70	2316 K	H 2316
85	150	28	1217	75	1217 K	H 217
	150	36	2217	75	2217 K	H 317
	180	41	1317	75	1317 K	H 317
	180	60	2317	75	2317 K	H 2317
90	160	30	1218	80	1218 K	H 218
	160	40	2218	80	2218 K	H 318
	190	43	1318	80	1318 K	H 318
	190	64	2318	80	2318 K	H 2318
95	170	32	1219	85	1219 K	H 219
	170	43	2219	85	2219 K	H 319
	200	45	1319	85	1319 K	H 319
	200	67	2319	85	2319 K	H 2319
100	180	34	1220	90	1220 K	H 220
	180	46	2220	90	2220 K	H 320
	215	47	1320	90	1320 K	H 320
	215	73	2320	90	2320 K	H 2320
105	190	36	1221			
	190	50	2221			
	225	49	1321			
	225	77	2321			
110	200	38	1222	100	1222 K	H 222
	200	53	2222	100	2222 K	H 322
	240	50	1322	100	1322 K	H 322
	240	80	2322	100	2322 K	H 2322



ROLAMENTOS DE ROLOS CILÍNDRICOS

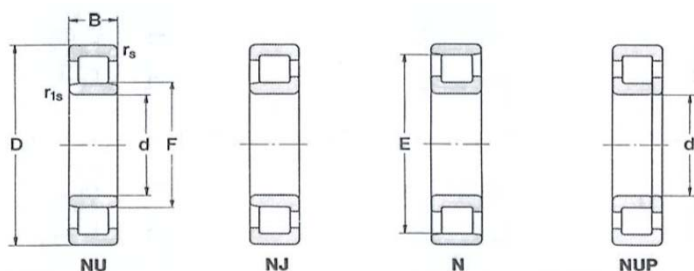


d	D	B	NU	NJ	N	NUP	Ref
17	40	12	NU	NJ			203
	40	16	NU				2203
20	47	14	NU	NJ	N	NUP	204
	47	18	NU	NJ			2204
	52	15	NU	NJ	N	NUP	304
	52	21	NU	NJ			2304
25	47	12	NU				1005
	52	15	NU	NJ	N	NUP	205
	52	18	NU	NJ	N	NUP	2205
	62	17	NU	NJ	N	NUP	305
	62	24	NU	NJ	N	NUP	2305
	80	21	NU	NJ	N	NUP	405
30	55	13	NU		N		1006
	62	16	NU	NJ	N	NUP	206
	62	20	NU	NJ	N	NUP	2206
	72	19	NU	NJ	N	NUP	306
	72	27	NU	NJ		NUP	2306
	90	23	NU	NJ	N	NUP	406
35	62	14	NU	NJ	N		1007
	72	17	NU	NJ	N	NUP	207
	72	23	NU	NJ	N	NUP	2207
	80	21	NU	NJ	N	NUP	307
	80	31	NU	NJ		NUP	2307
	100	25	NU	NJ	N	NUP	407
40	68	15	NU	NJ	N		1008
	80	18	NU	NJ	N	NUP	208
	80	23	NU	NJ	N	NUP	2208
	90	23	NU	NJ	N	NUP	308
	90	33	NU	NJ		NUP	2308
	110	27	NU	NJ	N	NUP	408
45	75	16	NU	NJ	N		1009
	85	19	NU	NJ	N	NUP	209
	85	23	NU	NJ	N	NUP	2209
	100	25	NU	NJ	N	NUP	309
	100	36	NU	NJ		NUP	2309
	120	29	NU	NJ	N	NUP	409
50	80	16	NU	NJ	N		1010
	90	20	NU	NJ	N	NUP	210
	90	23	NU	NJ	N	NUP	2210
	110	27	NU	NJ	N	NUP	310
	110	40	NU	NJ		NUP	2310
	130	31	NU	NJ	N	NUP	410
55	90	18	NU	NJ	N		1011
	100	21	NU	NJ	N	NUP	211
	100	25	NU	NJ	N	NUP	2211
	120	29	NU	NJ	N	NUP	311
	120	43	NU	NJ	N	NUP	2311
	140	33	NU	NJ	N	NUP	411

d	D	B	NU	NJ	N	NUP	Ref
60	95	18	NU	NJ	N		1012
	110	22	NU	NJ	N	NUP	212
	110	28	NU	NJ	N	NUP	2212
	130	31	NU	NJ	N	NUP	312
	130	46	NU	NJ	N		2312
	150	35	NU	NJ	N	NUP	412
65	100	18	NU		N		1013
	120	23	NU	NJ	N	NUP	213
	120	31	NU	NJ	N	NUP	2213
	140	33	NU	NJ	N	NUP	313
	140	48	NU	NJ	N	NUP	2313
	160	37	NU	NJ	N	NUP	413
70	110	20	NU		N		1014
	125	24	NU	NJ	N	NUP	214
	125	31	NU	NJ	N	NUP	2214
	150	35	NU	NJ	N	NUP	314
	150	51	NU	NJ	N	NUP	2314
	180	42	NU	NJ	N	NUP	414
75	115	20	NU		N		1015
	130	25	NU	NJ	N	NUP	215
	130	31	NU	NJ	N	NUP	2215
	160	37	NU	NJ	N	NUP	315
	160	55	NU	NJ	N	NUP	2315
	190	45	NU	NJ	N	NUP	415
80	125	22	NU		N		1016
	140	26	NU	NJ	N	NUP	216
	140	33	NU	NJ	N	NUP	2216
	170	39	NU	NJ	N	NUP	316
	170	58	NU	NJ		NUP	2316
	200	48	NU	NJ	N	NUP	416
85	130	22	NU		N		1017
	150	28	NU	NJ	N	NUP	217
	150	36	NU	NJ	N	NUP	2217
	180	41	NU	NJ	N	NUP	317
	180	60	NU	NJ	N	NUP	2317
	210	52	NU	NJ	N	NUP	417
90	140	24	NU		N		1018
	160	30	NU	NJ	N	NUP	218
	160	40	NU	NJ	N	NUP	2218
	190	43	NU	NJ	N	NUP	318
	190	64	NU	NJ	N	NUP	2318
	225	54	NU	NJ	N	NUP	418
95	145	24	NU		N		1019
	170	32	NU	NJ	N	NUP	219
	170	43	NU	NJ		NUP	2219
	200	45	NU	NJ	N	NUP	319
	200	67	NU	NJ	N	NUP	2319
	240	55	NU	NJ	N	NUP	419



ROLAMENTOS DE ROLOS CILÍNDRICOS

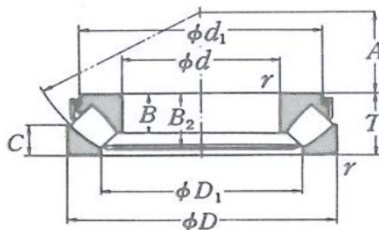
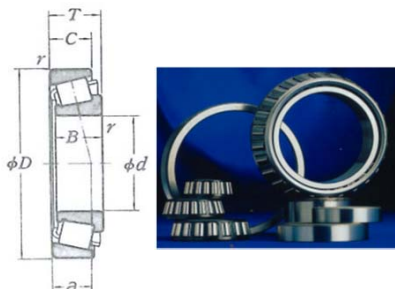


d	D	B	NU	NJ	N	NUP	Ref
100	150	24	NU				1020
	180	34	NU	NJ	N	NUP	220
	180	46	NU	NJ			2220
	215	47	NU	NJ	N	NUP	320
	215	73	NU	NJ			2320
	250	58	NU	NJ	N	NUP	420
105	160	26	NU				1021
	190	36	NU	NJ	N	NUP	221
	225	49	NU	NJ	N	NUP	321
	260	60	NU	NJ	N	NUP	421
110	170	28	NU				1022
	200	38	NU	NJ	N	NUP	222
	200	53	NU	NJ			2222
	240	50	NU	NJ	N	NUP	322
	240	80	NU	NJ			2322
	280	65	NU	NJ	N	NUP	422
120	180	28	NU				1024
	215	40	NU	NJ	N	NUP	224
	215	58	NU	NJ			2224
	260	55	NU	NJ	N	NUP	324
	260	86	NU	NJ			2324
	310	72	NU	NJ	N	NUP	424
130	200	33	NU	NJ	N	NUP	1026
	230	40	NU	NJ	N	NUP	226
	230	64	NU	NJ	N	NUP	2226
	280	58	NU	NJ	N	NUP	326
	280	93	NU	NJ			2326
	340	78	NU	NJ	N	NUP	426
140	210	33	NU	NJ			1028
	250	42	NU	NJ	N	NUP	228
	250	68	NU	NJ	N	NUP	2228
	300	62	NU	NJ	N	NUP	328
	300	102	NU	NJ			2328
	360	82	NU	NJ	N	NUP	428
150	225	35	NU	NJ	N		1030
	270	45	NU	NJ	N	NUP	230
	270	73	NU	NJ	N		2230
	320	65	NU	NJ	N	NUP	330
	320	108	NU	NJ	N	NUP	2330
	380	85	NU	NJ	N	NUP	430
160	240	38	NU				1032
	290	48	NU	NJ	N	NUP	232
	290	80	NU	NJ			2232
	340	68	NU	NJ	N	NUP	332
	340	114	NU	NJ			2332
170	260	42	NU	NJ	N		1034
	310	52	NU	NJ	N	NUP	234
	310	86	NU	NJ			2234
	360	72	NU	NJ	N		334
	360	120	NU	NJ	N	NUP	2334

d	D	B	NU	NJ	N	NUP	Ref
180	280	46	NU	NJ	N		1036
	320	52	NU	NJ	N	NUP	236
	320	86	NU	NJ	N	NUP	2236
	380	75	NU	NJ	N		336
	380	126	NU	NJ	N		2336
	190	290	46	NU		N	
340		55	NU	NJ	N	NUP	238
340		92	NU	NJ	N		2238
400		78	NU	NJ	N	NUP	338
400		132	NU	NJ	N		2338
200	310	51	NU	NJ	N		1040
	360	58	NU	NJ	N		240
	360	98	NU	NJ			2240
	420	80	NU	NJ	N		340
	420	138	NU	NJ	N		2340
	220	340	56	NU		N	
400		65	NU	NJ	N		244
400		108	NU	NJ	N		2244
460		88	NU	NJ	N		344
240		360	56	NU		N	
	440	72	NU	NJ	N	NUP	248
	440	120	NU	NJ	N		2248
	500	95	NU	NJ	N		348
260	400	65	NU	NJ	N		1052
	480	80	NU	NJ	N		252
	480	130	NU	NJ	N		2252
	540	102	NU	NJ	N		352
	280	420	65	NU	NJ	N	
500		80	NU	NJ	N		256
300		460	74	NU		N	
	540	85	NU	NJ	N		260
	320	480	74	NU		N	
580		92	NU	NJ	N		264
340	520	82	NU		N		1068
	540	82	NU		N		1072
380	560	82	NU				1076
	600	90	NU		N		1080
420	620	90	NU		N		1084
	650	94	NU				1088
460	680	100	NU	NJ	N	NUP	1092
	700	100	NU		N		1096
500	720	100	NU				10/ 500



ROLOS CÔNICOS - AXIAIS AUTOCOMPENSADORES



SÉRIE MÉTRICA

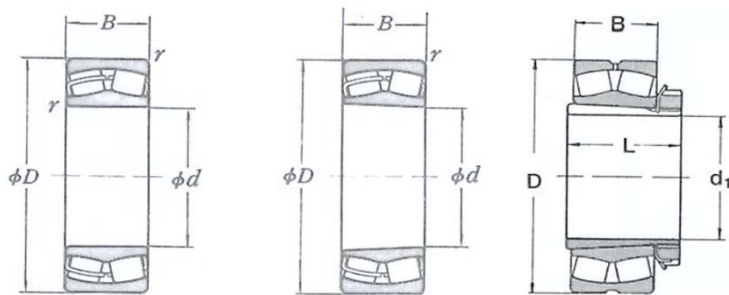
d	D	T	B	C	Ref
140	300	68	62	53	30328
	300	108	102	85	32328
150	210	38	36	31	32930
	225	48	48	36	32030
	270	49	45	38	30230
	270	77	73	60	32230
	320	72	65	55	30330
	320	114	108	90	32330
160	220	38	36	31	32932
	240	51	51	38	32032
	290	52	48	40	30232
	290	84	80	67	32232
	340	75	68	58	30332
	340	121	114	95	32332
170	230	38	36	31	32934
	260	57	57	43	32034
	310	57	52	43	30234
	310	91	86	71	32234
	360	80	72	62	30334
	360	127	120	100	32334
180	250	45	42	36	32936
	280	64	64	48	32036
	320	57	52	43	30236
	320	91	86	71	32236
	380	83	75	64	30336
	380	134	126	106	32336
190	260	45	42	36	32938
	290	64	64	48	32038
	290	64	60	52	32038
	340	60	55	46	30238
	340	97	92	75	32238
	400	86	78	65	30338
	400	140	132	109	32338
200	310	70	70	53	32040
	360	64	58	48	30240
	360	104	98	82	32240
	420	89	80	67	30340
	420	146	138	115	32340
220	340	76	72	62	32044
	400	72	65	54	30244
	400	114	108	90	32244
	460	97	88	73	30344
	460	154	145	122	32344
240	360	76	76	57	32048
	440	79	72	60	30248
	440	127	120	100	32248
	500	105	95	80	30348
	500	165	155	132	32348
260	400	87	87	65	32052
	480	89	80	67	30252
	480	137	130	106	32252

d	D	H	Ref
60	130	42	29412
65	140	45	29413
70	150	48	29414
75	160	51	29415
80	170	54	29416
85	150	39	29317
	180	58	29417
90	155	39	29318
	190	60	29418
100	170	42	29320
	210	67	29420
110	190	48	29322
	230	73	29422
120	210	54	29324
	250	78	29424
130	225	58	29326
	270	85	29426
140	240	60	29328
	280	85	29428
150	250	60	29330
	300	90	29430
160	270	67	29332
	320	95	29432
170	280	67	29334
	340	103	29434
180	300	73	29336
	360	109	29436
190	320	78	29338
	380	115	29438
200	280	48	29240
	340	85	29340
	400	122	29440
220	300	48	29244
	360	85	29344
	420	122	29444
240	340	60	29248
	380	85	29348
	440	122	29448
260	360	60	29252
	420	95	29352
	480	132	29452
280	380	60	29256
	440	95	29356
	520	145	29456
300	420	73	29260
	480	109	29360
	540	145	29460
320	440	73	29264
	500	109	29364
	580	155	29464

d	D	H	Ref
340	460	73	29268
	540	122	29368
	620	170	29468
360	500	85	29272
	560	122	29372
	640	170	29472
380	520	85	29276
	600	132	29376
	670	175	29476
400	540	85	29280
	620	132	29380
	710	185	29480
420	580	95	29284
	650	140	29384
	730	185	29484
440	600	95	29288
	680	145	29388
	780	206	29488
460	620	95	29292
	710	150	29392
	800	206	29492
480	650	103	29296
	730	150	29396
	850	224	29496
	670	103	292500
	750	150	293500
	870	224	294500



R. AUTOCOMPENSADORES DE ROLOS



FURO CILÍNDRICO

FURO CÓNICO

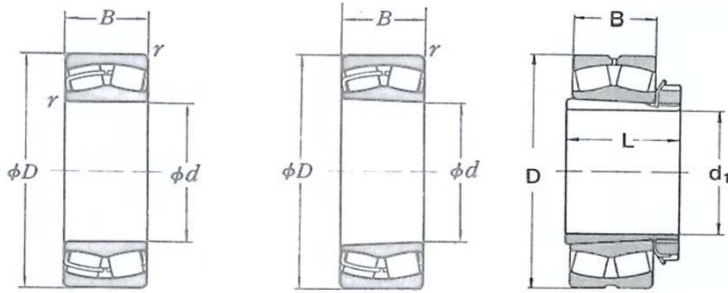


d	D	B	Cilíndrico	d1	Cónico	Casquilho
25	52	18	22205	20	22205K	H305
	62	17	21305	20	21305K	H305
30	62	20	22206	25	22206K	H306
	72	19	21306	25	21306K	H306
35	72	23	22207	30	22207K	H307
	80	21	21307	30	21307K	H307
40	80	23	22208	35	22208K	H308
	90	23	21308	35	21308K	H308
	90	33	22308	35	22308K	H2308
45	85	23	22209	40	22209K	H309
	100	25	21309	40	21309K	H309
	100	36	22309	40	22309K	H2309
50	90	23	22210	45	22210K	H310
	100	27	21310	45	21310K	H310
	110	40	22310	45	22310K	H2310
55	100	25	22211	50	22211K	H311
	120	29	21311	50	21311K	H311
	120	43	22311	50	22311K	H2311
60	110	28	22212	55	22212K	H312
	130	31	21312	55	21312K	H312
	130	46	22312	55	22312K	H2312
65	120	31	22213	60	22213K	H313
	140	33	21313	60	21313K	H313
	140	48	22313	60	22313K	H2313
70	125	31	22214	60	22214K	H314
	150	35	21314	60	21314K	H314
	150	51	22314	60	22314K	H2314
75	130	31	22215	65	22215K	H315
	160	37	21315	65	21315K	H315
	160	55	22315	65	22315K	H2315
80	140	33	22216	70	22216K	H316
	170	39	21316	70	21316K	H316
	170	58	22316	70	22316K	H2316
85	150	36	22217	75	22217k	H317
	180	41	21317	75	21317K	H317
	180	60	22317	75	22317K	H2317
90	160	40	22218	80	22218K	H318
	160	52,4	23218	80	23218K	H2318
	190	43	21318	80	21318K	H318
	190	64	22318	80	22318K	H2318
95	170	43	22219	85	22219K	H319
	170	55,6	23219	85	23219K	H2319
	200	45	21319	85	21319K	H319
	200	67	22319	85	22319K	H2319
100	165	52	23120	90	23120K	H3120
	165	65	24120		24120K	
	180	46	22220	90	22220K	H320
	180	60,3	23220	90	23220K	H2320
	215	47	21320	90	21320K	H320
215	73	22320	90	22320K	H2320	

d	D	B	Cilíndrico	d1	Cónico	Casquilho	
110	170	45	23022	100	23022K	H322	
	180	56	23122	100	23122K	H3122	
	180	69	24122		24122K		
	200	53	22222	100	22222K	H322	
	200	69,8	23222	100	23222K	H2322	
	240	50	21322	100	21322K	H322	
120	240	80	22322	100	22322K	H2322	
	180	46	23024	110	23024K	H3024	
	180	60	24024		24024K		
	200	62	23124	110	23124K	H3124	
130	200	80	24124		24124K		
	215	58	22224	110	22224K	H3124	
	215	76	23224	110	23224K	H2324	
	260	86	22324	110	22324K	H2324	
	200	52	23026	115	23026K	H3026	
	200	69	24026		24026K		
140	210	64	23126	115	23126K	H3126	
	210	80	24126		24126K		
	230	64	22226	115	22226K	H3126	
	230	80	23226	115	23226K	H2326	
	280	93	22326	115	22326K	H2326	
	210	53	23028	125	23028K	H3028	
	210	69	24028		24028K		
	225	68	23128	125	23128K	H3128	
	225	85	24128		24128K		
	250	68	22228	125	22228K	H3128	
150	250	88	23228	125	23228K	H2328	
	300	102	22328	125	22328K	H2328	
	225	56	23030	135	23030K	H3030	
	225	75	24030		24030K		
	250	80	23130	135	23130K	H3130	
	250	100	24130		24130K		
	270	73	22230	135	22230K	H3130	
	270	96	23230	135	23230K	H2330	
	320	108	22330	135	22330K	H2330	
	160	220	45	23932		23932K	
240		60	23032	140	23032K	H3032	
240		80	24032		24032K		
270		86	23132	140	23132K	H3132	
270		109	24132		24132K		
290		80	22232	140	22232K	H3132	
290		104	23232	140	23232K	H2332	
340		114	22332	140	22332K	H2332	
170		230	45	23934		23934K	
		260	67	23034	150	23034K	H3034
	260	90	24034		24034K		
	280	88	23134	150	23134K	H3134	
	280	109	24134		24134K		
	310	86	22234	150	22234K	H3134	
	310	110	23234	150	23234K	H2334	
	360	120	22334	150	22334K	H2334	

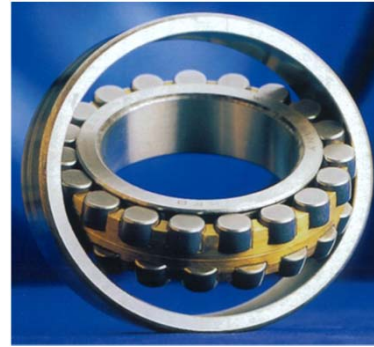


R. AUTOCOMPENSADORES DE ROLOS



FURO CILÍNDRICO

FURO CÓNICO

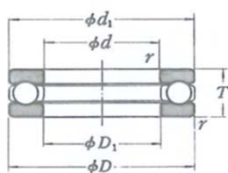


d	D	B	Cilíndrico	d1	Cónico	Casquilho
180	250	52	23936		23936K	
	280	74	23036	160	23036K	H3036
	280	100	24036		24036K	
	300	96	23136	160	23136K	H3136
	300	118	24136		24136K	
	320	86	22236	180	22236K	H3136
	320	112	23236	180	23236K	H2336
	380	126	22336	180	22336K	H2336
190	260	52	23938		23938K	
	290	75	23038	170	23038K	H3038
	290	100	24038		24038K	
	320	104	23138	170	23138K	H3138
	320	128	24138		24138K	
	340	92	22238	170	22238K	H3138
	340	120	23238	170	23238K	H2338
	400	132	22338	170	22338K	H2338
200	280	60	23940		23940K	
	310	82	23040	180	23040K	H3040
	310	109	24040		24040K	
	340	112	23140	180	23140K	H3140
	340	140	24140		24140K	
	360	98	22240	180	22240K	H3140
	360	128	23240	180	23240K	H2340
	420	138	22340	180	22340K	H2340
220	300	60	23944		23944K	
	340	90	23044	200	23044K	H3044
	340	118	24044		24044K	
	370	120	23144	200	23144K	H3144
	370	150	24144		24144K	
	400	108	22244	200	22244K	H3144
	400	144	23244	200	23244K	H2344
	460	145	22344	200	22344K	H2344
240	320	60	23948		23948K	
	360	92	23048	220	23048K	H3048
	360	118	24048		24048K	
	400	128	23148	220	23148K	H3148
	400	160	24148		24148K	
	440	120	22248	220	22248K	H3148
	440	160	23248	220	23248K	H2348
	500	155	22348	220	22348K	H2348
260	360	75	23952		23952K	
	400	104	23052	240	23052K	H3052
	400	140	24052		24052K	
	440	144	23152	240	23152K	H3152
	440	180	24152		24152K	
	480	130	22252	240	22252K	H3152
	480	174	23252	240	23252K	H2352
	540	165	22352	240	22352K	H2352

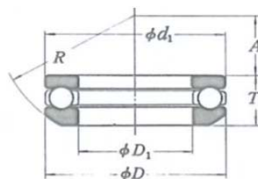
d	D	B	Cilíndrico	d1	Cónico	Casquilho	
280	420	106	23056	230	23056K	H3056	
	460	146	23156	260	23156K	H3156	
	500	130	22256	260	22256K	H3156	
	500	176	23256	260	23256K	H2356	
	580	175	22356	260	22356K	H2356	
	300	460	118	23060	280	23060K	H3060
500		160	23160	280	23160K	H3160	
540		140	22260	280	22260K	H3160	
540		192	23260	280	23260K	H3260	
320		480	121	23064	300	23064K	H3064
		540	176	23164	300	23164K	H3164
	580	150	22264	300	22264K	H3164	
	580	208	23264	300	23264K	H3264	
340	520	133	23068	320	23068K	H3068	
	580	190	23168	320	23168K	H3168	
	620	224	23268	320	23268K	H3268	
	360	540	134	23072	340	23072K	H3072
600		192	23172	340	23172K	H3172	
650		232	23272	340	23272K	H3272	
380		560	135	23076	360	23076K	H3076
	620	194	23176	360	23176K	H3176	
	680	240	23276	360	23276K	H3276	
	400	600	148	23080	380	23080K	H3080
650		200	23180	380	23180K	H3180	
720		256	23280	380	23280K	H3280	
420		620	150	23084	400	23084K	H3084
	700	224	23184	400	23184K	H3184	
	760	272	23284	400	23284K	H3284	
	440	650	157	23088	410	23088K	H3088
720		226	23188	410	23188K	H3188	
790		280	23288	410	23288K	H3288	
460		680	163	23092	430	23092K	H3092
	760	240	23192	430	23192K	H3192	
	830	296	23292	430	23292K	H3292	
	480	700	165	23096	450	23096K	H3096
790		248	23196	450	23196K	H3196	
870		310	23296	450	23296K	H3296	
500		720	167	230/500	470	230/500K	H30/500
	830	264	231/500	470	231/500K	H31/500	
	920	336	232/500	470	232/500K	H32/500	



ROLAMENTOS AXIAIS DE ESFERAS



Com assento plano



Com assento esférico



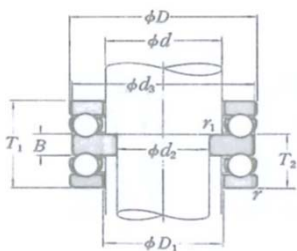
Com contraplaca esférica

d	D	T	Com assento plano	Com assento esférico	C/ contraplaca esférica
10	24	8	51100		
	26	11	51200	53200	53200 U
12	26	9	51101		
	28	11	51201	53201	53201 U
15	28	9	51102		
	32	12	51202	53202	53202 U
17	30	9	51103		
	35	12	51203	53203	53203 U
20	35	10	51104		
	40	14	51204	53204	53204 U
25	42	11	51105		
	47	15	51205	53205	53205 U
	52	18	51305	53305	53305 U
	60	24	51405	53405	53405 U
30	47	11	51106		
	52	16	51206	53206	53206 U
	60	21	51306	53306	53306 U
	70	28	51406	53406	53406 U
35	52	12	51107		
	62	18	51207	53207	53207 U
	68	24	51307	53307	53307 U
	80	32	51407	53407	53407 U
40	60	13	51108		
	68	19	51208	53208	53208 U
	78	26	51308	53308	53308 U
	90	36	51408	53408	53408 U
45	65	14	51109		
	73	20	51209	53209	53209 U
	85	28	51309	53309	53309 U
	100	39	51409	53409	53409 U
50	70	14	51110		
	78	22	51210	53210	53210 U
	95	31	51310	53310	53310 U
	110	43	51410	53410	53410 U
55	78	16	51111		
	90	25	51211	53211	53211 U
	105	35	51311	53311	53311 U
	120	48	51411	53411	53411 U
60	85	17	51112		
	95	26	51212	53212	53212 U
	110	35	51312	53312	53312 U
	130	51	51412	53412	53412 U
65	90	18	51113		
	100	27	51213	53213	53213 U
	115	36	51313	53313	53313 U
	140	56	51413	53413	53413 U
70	95	18	51114		
	105	27	51214	53214	53214 U
	125	40	51314	53314	53314 U
	150	60	51414	53414	53414 U

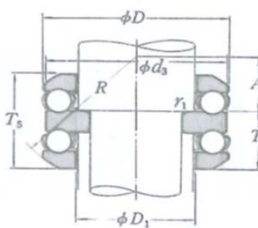
d	D	T	Com assento plano	Com assento esférico	C/ contraplaca esférica
75	100	19	51115		
	110	27	51215	53215	53215 U
	135	44	51315	53315	53315 U
80	160	65	51415	53415	53415 U
	105	19	51116		
	115	28	51216	53216	53216 U
85	140	44	51316	53316	53316 U
	170	68	51416	53416	53416 U
	110	19	51117		
90	125	31	51217	53217	53217 U
	150	49	51217	53317	53317 U
	180	72	51417	53417	53417 U
95	120	22	51118		
	135	35	51218	53218	53218 U
	155	50	51318	53318	53318 U
100	190	77	51418	53418	53418 U
	135	25	51120		
	150	38	51220	53220	53220 U
105	170	55	51320	53320	53320 U
	210	85	51420	53420	53420 U
	145	25	51122		
110	160	38	51222	53222	53222 U
	190	63	51322	53322	53322 U
	230	95	51422	53422	53422 U
120	155	25	51124		
	170	39	51224	53224	53224 U
	210	70	51324	53324	53324 U
	250	102	51424	53424	53424 U
130	170	30	51126		
	190	45	51226	53226	53226 U
	225	75	51326	53326	53326 U
	270	110	51426	53426	53426 U
140	180	31	51128		
	200	46	51228	53228	53228 U
	240	80	51328	53328	53328 U
	280	112	51428	53428	53428 U
150	190	31	51130		
	215	50	51230	53230	53230 U
	250	80	51330	53330	53330 U
	300	120	51430	53430	53430 U
160	200	31	51132		
	225	51	51232	53232	53232 U
	270	87	51332	53332	53332 U
	320	130	51432	53432	53432 U
170	215	34	51134		
	240	55	51234	53234	53234 U
	280	87	51334	53334	53334 U
	340	135	51434	53434	53434 U



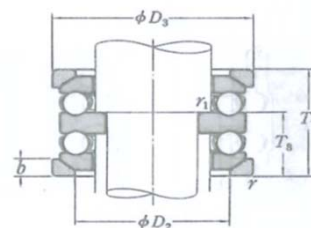
ROL. AXIAIS DE ESFERAS - ESCORA DUPLA



Com assento plano



Com assento esférico



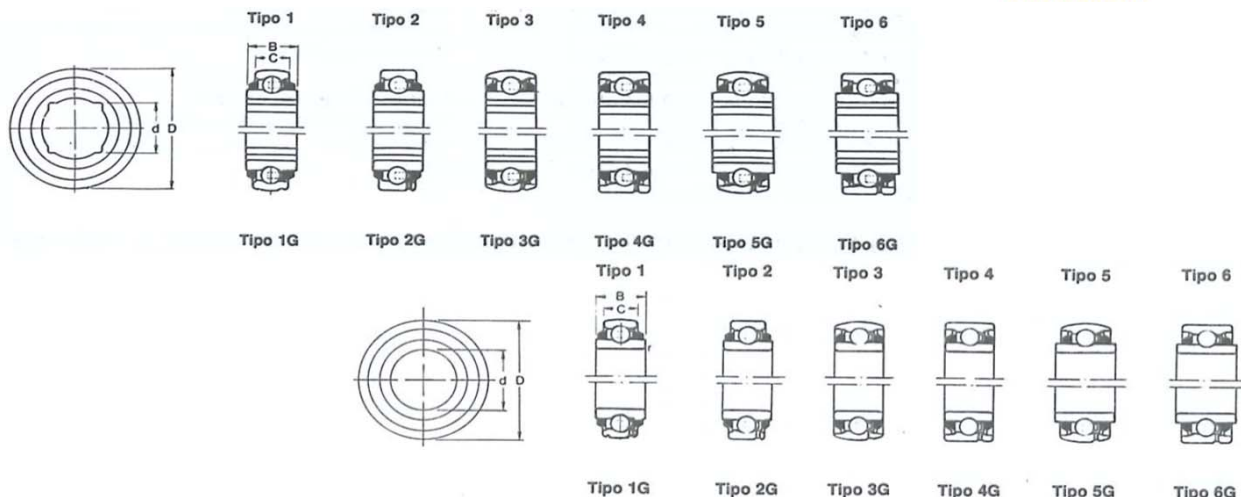
Com contraplaca esférica

d2	d	D	Com assento plano	Com assento esférico	C/ contraplaca esférica
10	15	32	52202	54202	54202 U
15	20	40	52204	54204	54204 U
	25	60	52405	54405	54405 U
20	25	47	52205	54205	54205 U
	25	52	52305	54305	54305 U
	30	70	52406	54406	54406 U
25	30	52	52206	54206	54206 U
	30	60	52306	54306	54306 U
	35	80	52407	54407	54407 U
30	35	62	52207	54207	54207 U
	35	68	52307	54307	54307 U
	40	68	52208	54208	54208 U
	40	78	52308	54308	54308 U
35	40	90	52408	54408	54408 U
	45	73	52209	54209	54209 U
	45	85	52309	54309	54309 U
40	45	100	52409	54409	54409 U
	50	78	52210	54210	54210 U
	50	95	52310	54310	54310 U
45	50	110	52410	54410	54410 U
	55	90	52211	54211	54211 U
	55	105	52311	54311	54311 U
50	55	120	52411	54411	54411 U
	60	95	52212	54212	54212 U
	60	110	52312	54312	54312 U
55	60	130	52412	54412	54412 U
	65	140	52413	54413	54413 U
	65	100	52213	54213	54213 U
	65	115	52313	54313	54313 U
60	70	105	52214	54214	54214 U
	70	125	52314	54314	54314 U
	70	150	52414	54414	54414 U
65	75	110	52215	54215	54215 U
	75	135	52315	54315	54315 U
	75	160	52415	54415	54415 U
70	80	115	52216	54216	54216 U
	80	140	52316	54316	54316 U
	80	170	52416	54416	54416 U
	85	180	52417 X	54417 X	54417 XU
75	85	125	52217	54217	54217 U
	85	150	52317	54317	54317 U
	90	190	52418 X	54418 X	54418 XU
80	90	135	52218	54218	54218 U
	90	155	52318	54318	54318 U
85	100	210	52420 X	54420 X	54420 XU
90	100	150	52220	54220	54220 U
	100	170	52320	54320	54320 U
95	110	230	52422 X		
95	110	160	52222	54222	54222 U
	110	190	52322 X	54322 X	54322 XU
	120	250	52424 X		

d2	d	D	Com assento plano	Com assento esférico	C/ contraplaca esférica
100	120	170	52224	54224	54224 U
	120	210	52324 X	54324 X	54324 XU
	130	270	52426 X		
110	130	190	52226 X	54226 X	54226 XU
	130	225	52326 X		
	140	280	52428 X		
120	140	200	52228 X	54228 X	54228 XU
	140	240	52328 X		
	150	300	52430 X		
130	150	215	52230 X	54230 X	54230 XU
	150	250	52330 X		
	160	320	52432 X		
135	170	340	52434 X		
140	160	225	52232 X	54232 X	54232 XU
	160	270	52332 X		
	180	360	52436 X		
150	170	240	52234 X	54234 X	54234 XU
	170	280	52334 X		
	180	250	52236 X	54236 X	54236 XU
160	180	300	52336 X		
	190	270	52238 X	54238 X	54238 XU
	190	320	52338 X		
170	200	280	52240 X	54240 X	54240 XU
	200	340	52340 X		
190	220	300	52244 X	54244 X	54244 XU



ROLAMENTOS PARA GRADES DE DISCOS



EIXO QUADRADO

Eixo quadrado mm poleg.	d mm	D mm	B mm	C mm	Ref.	Tipo
	23,09	80	36,51	30,16	PDNF240/7	5
1"	27,05	80	36,51	18,00	2/DNF240/8	1
	27,05	80	36,51	18,00	2/DF240/8	2
	27,05	80	30,16	21,00	DNF140/8	1
	27,05	80	30,16	21,00	DF140/8	2
	27,05	80	36,51	21,00	DNF240/8	1
	27,05	80	36,51	21,00	DF240/8	2
	27,05	80	36,51	24,00	1/PDNF240/8G	5G
	27,05	80	36,51	30,16	PDNF240/8	5
	27,05	80	36,51	30,16	PDF240/8	6
1 1/8"	29,44	80	36,51	18,00	2/DNF240/9	1
	29,44	80	36,51	18,00	2/DF240/9	2
	29,44	80	30,16	21,00	DNF140/9	1
	29,44	80	30,16	21,00	DF140/9	2
	29,44	80	36,51	21,00	DF240/9	1
	29,44	80	36,51	24,00	1/PDNF240/9G	5G
	29,44	80	36,51	30,16	PDNF240/9	5
	29,44	80	36,51	30,16	DPNF240/9G	5G
	29,44	80	36,51	30,16	PDF240/9	6
	29,44	85	30,16	22,00	DNF145/9	2
	29,44	85	30,16	30,16	PDNF145/9	3
	29,44	85	36,51	30,16	PDNF245/9	5
	29,44	90	30,16	30,16	PDNF150/9	3
	29,44	90	30,16	30,16	PDNF150/9G	3G
	29,44	90	30,16	30,16	PDF150/9	4
	29,44	90	30,16	30,16	PDF150/9G	4G
	29,44	90	36,51	30,16	PDNF250/9	5
30	30,94	80	36,51	21,00	DNF240/9A	1
	30,94	85	30,16	22,00	DNF145/9A	1
	30,94	85	36,51	22,00	DNF245/9A	1
1 1/4"	32,65	85	30,16	22,00	DNF145/10	1
	32,65	85	36,51	22,00	DNF245/10	1
	32,65	85	36,51	22,00	DNF245/10G	1G
	32,65	85	36,51	30,16	PDNF245/10	5
	32,65	85	36,51	30,16	PDNF245/10G	5G
	32,65	85	36,51	30,16	PDF245/10	6
	32,65	100	33,34	25,00	DNF155/10	1
1 1/2"	39,12	100	33,34	25,00	DNF155/12	1
	39,12	100	33,34	33,34	PDNF155/12	3
	39,12	100	33,34	33,34	PDNF155/12G	3G
	39,12	100	33,34	33,34	PDF155/12	4
	39,12	100	33,34	33,34	PDF155/12G	4G
40	40,77	100	33,34	25,00	PNF155/12A	1
	40,77	100	33,34	33,34	PDF155/12A	4

EIXO REDONDO

Eixo redondo mm poleg.	d mm	D mm	B mm	C mm	Ref.	Tipo
	30,176	80	30,16	30,16	PDNF140-1 3/16	3
1 1/4"	31,763	80	30,16	21,00	DNF140-1 1/4	1
	31,763	80	30,16	21,00	DF140-1 1/4	2
	31,763	80	30,16	30,16	PDNF140-1 1/4	3
1 1/2"	38,113	80	42,86	21,00	36/DNF140-1 1/2	1
	38,113	80	42,86	21,00	36/DF140-1 1/2	2
	38,113	80	30,16	30,16	PDNF140-1 1/2	3
	38,113	80	42,86	30,16	36/PDNF140-1 1/2	5
	39,990	85	30,16	30,16	28/PDNF145-1 1/2	3
	39,990	85	30,16	30,16	28/PDNF145-1 1/2G	3G
40	40,000	80	30,16	21,00	DNF140-40G	1G
1 3/4"	45,340	90	30,16	30,16	5/PDNF150-1 3/4	3
45	45,000	85	30,16	22,00	DNF145-45	1
	45,000	85	30,16	60,16	PDNF145-45	3
	45,000	85	30,16	30,16	PDNF145-45G	3G
	45,000	85	36,51	22,00	28/DNF245-45G	1G
1 15/16"	49,225	90	30,16	23,00	DNF150-1 15/16	1
	49,225	90	30,16	23,00	DF150-1 15/16	2
	49,225	90	30,16	30,16	PDNF150-1 15/16	3
	49,225	90	30,16	30,16	PDNF150-1 15/16G	3G
	49,225	90	30,16	30,16	PDF150-1 15/16	4
50	50,000	90	30,16	23,00	DNF150-50	1
	50,000	100	33,34	25,00	DNF155-50	1
	50,000	100	33,34	25,00	DNF155-50G	1G
2 3/16"	55,578	100	33,34	25,00	DNF155-2 3/16	1
	55,578	100	33,34	33,34	PDNF155-2 3/16	3
	55,578	100	33,34	33,34	PDNF155-2 3/16G	3G
	55,578	100	33,34	33,34	PDF155-2 3/16	4
	55,578	100	33,34	33,34	PDF155-2 3/16G	4G