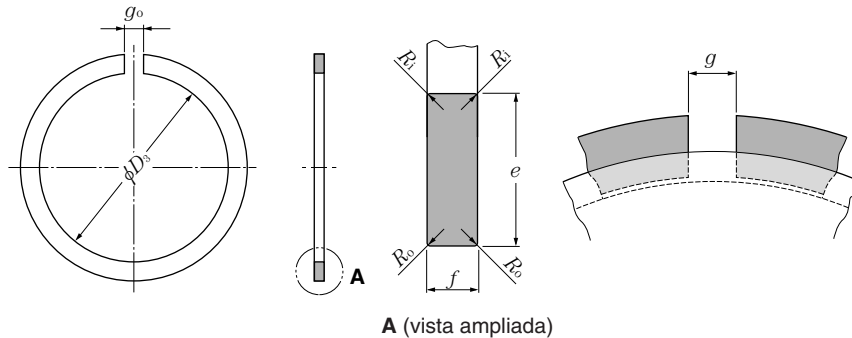


## Anel elástico para rolamentos das séries dimensionais de rolamentos 18 e 19

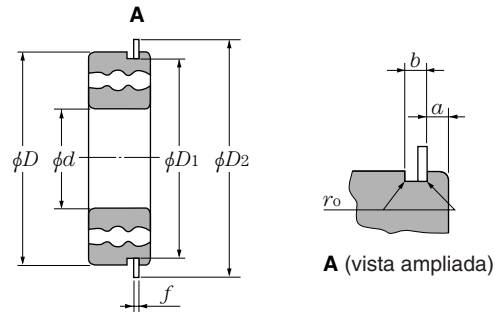


A (vista ampliada)

Dimensões em mm

Código do anel	Tolerância dimensional do furo								anel elástico ajustado dentro da ranhura					Referência			aplicável a rolamentos das séries dimensionais 18 e 19	
	tolerância de $\Delta D_3$								diâmetro externo do rolamento					variação da espessura			diâmetro nominal externo do rolamento $d$	
	$D_3$	superior	inferior	max	min	max	min	max	min	$g$	$D_2$ diâmetro externo do anel elástico max	$D$	$R_1$ min	$R_2$ min	$V_f$ max	$g_0$	18	19
NR1022	20.5	0	-0.3	2.00	1.85	0.7	0.6	2	24.8	22	0.2	0.1	0.06	1	—	10		
NR1024	22.5	0	-0.3	2.00	1.85	0.7	0.6	2	26.8	24	0.2	0.1	0.06	1	—	12		
NR1028	26.4	0	-0.3	2.05	1.90	0.85	0.75	3	30.8	28	0.25	0.15	0.06	2	—	15		
NR1030	28.3	0	-0.3	2.05	1.90	0.85	0.75	3	32.8	30	0.25	0.15	0.06	2	—	17		
NR1032	30.3	0	-0.3	2.05	1.90	0.85	0.75	3	34.8	32	0.25	0.15	0.06	2	20	—		
NR1034	32.3	0	-0.3	2.05	1.90	0.85	0.75	3	36.8	34	0.25	0.15	0.06	2	22	—		
NR1037	35.3	0	-0.3	2.05	1.90	0.85	0.75	3	39.8	37	0.25	0.15	0.06	2	25	20		
NR1039	37.3	0	-0.3	2.05	1.90	0.85	0.75	3	41.8	39	0.25	0.15	0.06	2	—	22		
NR1040	38.3	0	-0.3	2.05	1.90	0.85	0.75	3	42.8	40	0.25	0.15	0.06	2	28	—		
NR1042	40.3	0	-0.4	2.05	1.90	0.85	0.75	3	44.8	42	0.25	0.15	0.06	2	30	25		
NR1044	42.3	0	-0.4	2.05	1.90	0.85	0.75	4	46.8	44	0.25	0.15	0.06	2.5	32	—		
NR1045	43.3	0	-0.4	2.05	1.90	0.85	0.75	4	47.8	45	0.25	0.15	0.06	2.5	—	28		
NR1047	45.3	0	-0.4	2.05	1.90	0.85	0.75	4	49.8	47	0.25	0.15	0.06	2.5	35	30		
NR1052	50.3	0	-0.4	2.05	1.90	0.85	0.75	4	54.8	52	0.25	0.15	0.06	2.5	40	32		
NR1055	53.3	0	-0.4	2.05	1.90	0.85	0.75	4	57.8	55	0.25	0.15	0.06	2.5	—	35		
NR1058	56.3	0	-0.6	2.05	1.90	0.85	0.75	4	60.8	58	0.25	0.15	0.06	2.5	45	—		
NR1062	60.2	0	-0.6	2.05	1.90	0.85	0.75	4	64.8	62	0.25	0.15	0.06	2.5	—	40		
NR1065	63.2	0	-0.6	2.05	1.90	0.85	0.75	4	67.8	65	0.25	0.15	0.06	2.5	50	—		
NR1068	66.2	0	-0.6	2.05	1.90	0.85	0.75	5	70.8	68	0.25	0.15	0.06	3	—	45		
NR1072	70.2	0	-0.6	2.05	1.90	0.85	0.75	5	74.8	72	0.25	0.15	0.06	3	55	50		
NR1078	75.7	0	-0.6	3.25	3.10	1.12	1.02	5	82.7	78	0.4	0.3	0.06	3	60	—		
NR1080	77.4	0	-0.6	3.25	3.10	1.12	1.02	5	84.4	80	0.4	0.3	0.06	3	—	55		
NR1085	82.4	0	-0.6	3.25	3.10	1.12	1.02	5	89.4	85	0.4	0.3	0.06	3	65	60		
NR1090	87.4	0	-0.6	3.25	3.10	1.12	1.02	5	94.4	90	0.4	0.3	0.06	3	70	65		
NR1095	92.4	0	-0.6	3.25	3.10	1.12	1.02	5	99.4	95	0.4	0.3	0.06	3	75	—		
NR1100	97.4	0	-0.6	3.25	3.10	1.12	1.02	5	104.4	100	0.4	0.3	0.06	3	80	70		
NR1105	101.9	0	-0.8	4.04	3.89	1.12	1.02	5	110.7	105	0.4	0.3	0.06	3	—	75		
NR1110	106.9	0	-0.8	4.04	3.89	1.12	1.02	5	115.7	110	0.4	0.3	0.06	3	85	80		
NR1115	111.9	0	-0.8	4.04	3.89	1.12	1.02	5	120.7	115	0.4	0.3	0.06	3	90	—		
NR1120	116.9	0	-0.8	4.04	3.89	1.12	1.02	7	125.7	120	0.4	0.3	0.06	4	95	85		
NR1125	121.8	0	-0.8	4.04	3.89	1.12	1.02	7	130.7	125	0.4	0.3	0.06	4	100	90		
NR1130	126.8	0	-0.8	4.04	3.89	1.12	1.02	7	135.7	130	0.4	0.3	0.06	4	105	95		
NR1140	136.8	0	-1.0	4.04	3.89	1.7	1.6	7	145.7	140	0.6	0.5	0.06	4	110	100		
NR1145	141.8	0	-1.0	4.04	3.89	1.7	1.6	7	150.7	145	0.6	0.5	0.06	4	—	105		
NR1150	146.8	0	-1.2	4.04	3.89	1.7	1.6	7	155.7	150	0.6	0.5	0.06	4	120	110		
NR1165	161	0	-1.2	4.85	4.70	1.7	1.6	7	171.5	165	0.6	0.5	0.06	4	130	120		
NR1175	171	0	-1.2	4.85	4.70	1.7	1.6	10	181.5	175	0.6	0.5	0.06	6	140	—		
NR1180	176	0	-1.2	4.85	4.70	1.7	1.6	10	186.5	180	0.6	0.5	0.06	6	—	130		
NR1190	186	0	-1.4	4.85	4.70	1.7	1.6	10	196.5	190	0.6	0.5	0.06	6	150	140		
NR1200	196	0	-1.4	4.85	4.70	1.7	1.6	10	206.5	200	0.6	0.5	0.06	6	160	—		

## Ranhura



Dimensões em mm

Diâmetro nominal externo do rolamento $D$	Diâmetro da ranhura $D_1$		Série dimensional				Largura da ranhura $b$		Raio da junta $r_o$
	max	min	18 posição da ranhura $a$		19	min	max	min	max
22	20.8	20.5	—	—	1.05	0.90	1.05	0.8	0.2
24	22.8	22.5	—	—	1.05	0.90	1.05	0.8	0.2
28	26.7	26.4	—	—	1.30	1.15	1.20	0.95	0.25
30	28.7	28.4	—	—	1.30	1.15	1.20	0.95	0.25
32	30.7	30.4	1.30	1.15	—	—	1.20	0.95	0.25
34	32.7	32.4	1.30	1.15	—	—	1.20	0.95	0.25
37	35.7	35.4	1.30	1.15	1.70	1.55	1.20	0.95	0.25
39	37.7	37.4	—	—	1.70	1.55	1.20	0.95	0.25
40	38.7	38.4	1.30	1.15	—	—	1.20	0.95	0.25
42	40.7	40.4	1.30	1.15	1.70	1.55	1.20	0.95	0.25
44	42.7	42.4	1.30	1.15	—	—	1.20	0.95	0.25
45	43.7	43.4	—	—	1.70	1.55	1.20	0.95	0.25
47	45.7	45.4	1.30	1.15	1.70	1.55	1.20	0.95	0.25
52	50.7	50.4	1.30	1.15	1.70	1.55	1.20	0.95	0.25
55	53.7	53.4	—	—	1.70	1.55	1.20	0.95	0.25
58	56.7	56.4	1.30	1.15	—	—	1.20	0.95	0.25
62	60.7	60.3	—	—	1.70	1.55	1.20	0.95	0.25
65	63.7	63.3	1.30	1.15	—	—	1.20	0.95	0.25
68	66.7	66.3	—	—	1.70	1.55	1.20	0.95	0.25
72	70.7	70.3	1.70	1.55	1.70	1.55	1.20	0.95	0.25
78	76.2	75.8	1.70	1.55	—	—	1.6	1.3	0.4
80	77.9	77.5	—	—	2.1	1.9	1.6	1.3	0.4
85	82.9	82.5	1.70	1.55	2.1	1.9	1.6	1.3	0.4
90	87.9	87.5	1.70	1.55	2.1	1.9	1.6	1.3	0.4
95	92.9	92.5	1.70	1.55	—	—	1.6	1.3	0.4
100	97.9	97.5	1.70	1.55	2.5	2.3	1.6	1.3	0.4
105	102.6	102.1	—	—	2.5	2.3	1.6	1.3	0.4
110	107.6	107.1	2.1	1.9	2.5	2.3	1.6	1.3	0.4
115	112.6	112.1	2.1	1.9	—	—	1.6	1.3	0.4
120	117.6	117.1	2.1	1.9	3.3	3.1	1.6	1.3	0.4
125	122.6	122.1	2.1	1.9	3.3	3.1	1.6	1.3	0.4
130	127.6	127.1	2.1	1.9	3.3	3.1	1.6	1.3	0.4
140	137.6	137.1	2.5	2.3	3.3	3.1	2.2	1.9	0.6
145	142.6	142.1	—	—	3.3	3.1	2.2	1.9	0.6
150	147.6	147.1	2.5	2.3	3.3	3.1	2.2	1.9	0.6
165	161.8	161.3	3.3	3.1	3.7	3.5	2.2	1.9	0.6
175	171.8	181.3	3.3	3.1	—	—	2.2	1.9	0.6
180	176.8	176.3	—	—	3.7	3.5	2.2	1.9	0.6
190	186.8	186.3	3.3	3.1	3.7	3.5	2.2	1.9	0.6
200	196.8	196.5	3.3	3.1	—	—	2.2	1.9	0.6