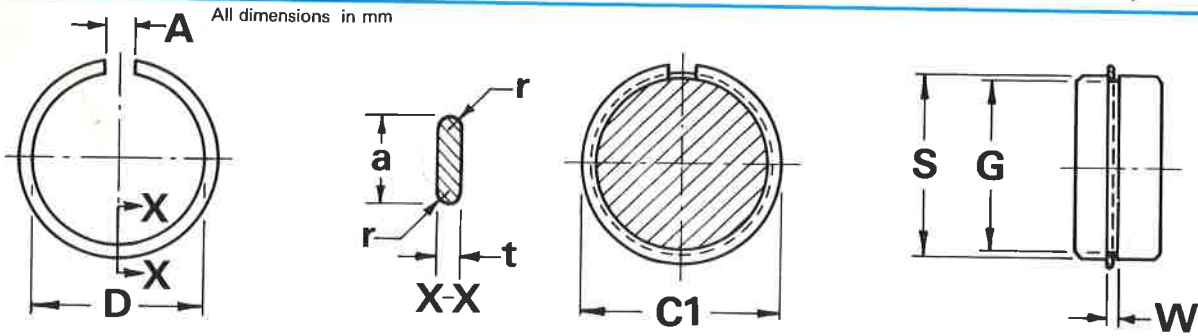


# PLAIN EXTERNAL RINGS FOR BEARING RETENTION

## M3200 INCORPORATING DIN 5417



† Thrust load calculations see pages 9 & 10

SIZE CODE	Brg.		Groove (G)			Circlip (F)						Tc† (N)	Bearing No.					
	S	G	Tol	W	Tol	D	Tol	a	Tol	t	Tol		C1	A~	r (min)	Light	Medium	Heavy
0300	30	28.17		1.35		27.4		3.25		1.12		34.7	3	0.4	23000	6200	—	—
0320	32	30.15		1.35		29.4		3.25		1.12		36.7	3	0.4	24500	6201	—	—
0350	35	33.17		1.35		32.4	+0.40	3.25		1.12		39.7	3	0.4	26800	6202	6300	—
0370	37	34.77		1.35		34.0	-0.00	3.25		1.12		41.3	3	0.4	28300	—	6301	—
0400	40	38.10		1.35		37.3		3.25		1.12		44.6	3	0.4	30600	6203	—	—
0420	42	39.75		1.35		38.9		3.25		1.12		46.3	3	0.4	32100	—	6302	—
0440	44	41.75	+0.00	1.35		40.9		3.25		1.12		48.3	3	0.4	33700	—	—	—
0470	47	44.60	-0.25	1.35		43.7	+0.50	4.04		1.12		52.7	4	0.4	36000	6204	6303	—
0500	50	47.60		1.35		46.7	-0.00	4.04		1.12		55.7	4	0.4	38300	—	—	—
0520	52	49.73		1.35		48.8		4.04		1.12		57.9	4	0.4	40000	6205	6304	—
0550	55	52.60		1.35		51.7		4.04		1.12		60.7	4	0.4	42100	—	—	—
0560	56	53.60		1.35		52.4		4.04		1.12		61.7	4	0.4	42900	—	—	—
0580	58	55.60		1.35		54.4		4.04		1.12		63.7	4	0.4	44400	—	—	—
0620	62	59.61		1.90		58.2		4.04		1.70		67.7	4	0.6	72000	6206	6305	6403
0650	65	62.60		1.90		61.2		4.04		1.70		70.7	4	0.6	75500	—	—	—
0680	68	64.82		1.90		63.4		4.85		1.70		74.6	5	0.6	79000	—	—	—
0720	72	68.81		1.90		67.4	+0.80	4.85		1.70		78.6	5	0.6	83600	6207	6306	6404
0750	75	71.83		1.90		70.4	-0.00	4.85		1.70		81.6	5	0.6	87100	—	—	—
0800	80	76.81		1.90		75.4		4.85		1.70		86.6	5	0.6	93000	6208	6307	6405
0850	85	81.81		1.90	+0.30	80.4	-0.00	4.85		1.70		91.6	5	0.6	98700	6209	—	—
0900	90	86.79		2.70		85.4		4.85	+0.00	2.46	+0.00	96.5	5	0.7	151000	6210	6308	6406
0950	95	91.82		2.70		90.4		4.85	-0.15	2.46	-0.10	101.6	5	0.7	160000	—	—	—
1000	100	96.80		2.70		95.2		4.85		2.46		106.5	5	0.7	168000	6211	6309	6407
1100	110	106.81		2.70		105.2		4.85		2.46		116.6	5	0.7	150000	6212	6310	6408
1150	115	111.81		2.70		110.2		4.85		2.46		121.6	5	0.7	193000	—	—	—
1200	120	115.21	+0.00	3.10		113.6		7.21		2.82		129.7	7	0.7	231000	6213	6311	6409
1250	125	120.22	-0.50	3.10		118.6		7.21		2.82		134.7	7	0.7	241000	6214	—	—
1300	130	125.22		3.10		123.6		7.21		2.82		139.7	7	0.7	250000	6215	6312	6410
1400	140	135.23		3.10		133.0		7.21		2.82		149.7	7	0.7	270000	6216	6313	6411
1450	145	140.23		3.10		138.0		7.21		2.82		154.7	7	0.7	279000	—	—	—
1500	150	145.24		3.10		142.9	+1.60	7.21		2.82		159.7	7	0.7	289000	6217	6314	6412
1600	160	155.22		3.10		152.9	-0.00	7.21		2.82		169.7	7	0.7	308000	6218	6315	6413
1700	170	163.65		3.50		161.3		9.60		3.10		182.9	10	0.7	360000	6219	6316	—
1800	180	173.66		3.50		171.2		9.60		3.10		192.9	10	0.7	381000	6220	6317	6414
1900	190	183.64		3.50		181.0		9.60		3.10		202.9	10	0.7	402000	6221	6318	6415
2000	200	193.65		3.50		191.0		9.60		3.10		212.9	10	0.7	424000	6222	6319	6416
2100	210	203.60		3.50		200.9		9.60		3.10		222.8	10	1.2	445000	—	—	6417
2150	215	208.60		3.50		205.9	+1.80	9.60		3.10		227.8	10	1.2	455000	6224	6320	—
2250	225	217.00		4.50		214.3	-0.00	10.00		3.50		237.0	10	1.2	538000	—	6321	6418
2300	230	222.00		4.50	+0.40	219.2		10.00		3.50		242.0	10	1.2	550000	6226	—	—
2400	240	232.00		4.50	-0.00	229.2		10.00		3.50		252.0	10	1.2	574000	—	6322	—

Standard material - carbon spring steel. Standard finish - phosphate and oil.