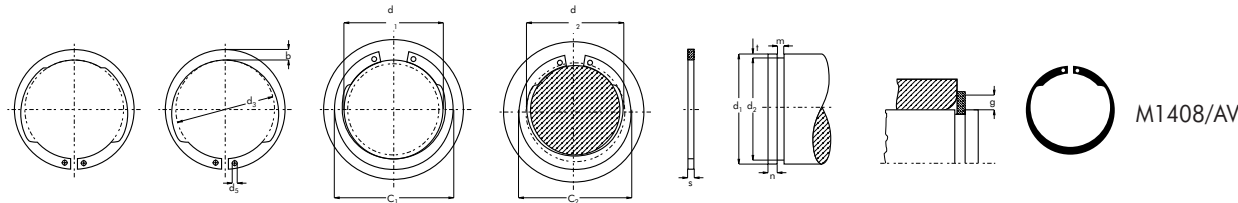



d <sub>1</sub>	M1408 AV	Groove										D A T A											
		s	Tolerance	d <sub>3</sub>	Tolerance	b	Tolerance	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (kg/1000)	d <sub>2</sub>	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm <sup>2</sup> )	K (kN/mm)	n <sub>det.</sub> x1000 (rpm)
10	AV10	0.60	-0.05	9.2		1.8		1.0	13.9	13.3	0.25	9.5		0.70	0.25	0.7	0.62	1.4	1.0	1.0	3.8	5.7	84
12	AV12	1.00		11.0		2.1		1.3	16.5	15.9	0.50	11.5		1.10	0.25	0.7	0.70	4.5	1.0	2.4	4.2	21.6	79
13	AV13	1.00		11.9		2.1		1.3	17.5	16.8	0.56	12.4		1.10	0.30	0.9	0.90	5.5	1.0	2.4	5.4	20.8	64
14	AV14	1.00		12.9		2.1		1.3	18.5	17.8	0.58	13.4		1.10	0.30	0.9	0.97	6.0	1.0	2.4	5.8	19.2	56
15	AV15	1.00		13.8	+0.10 -0.36	2.2		1.3	20.1	19.3	0.66	14.3	-0.11	1.10	0.35	1.0	1.22	6.5	1.0	2.4	7.3	19.3	50
16	AV16	1.00		14.7		2.3		1.3	21.3	20.4	0.72	15.2		1.10	0.40	1.2	1.48	7.0	1.0	2.5	8.9	18.7	45
17	AV17	1.00		15.7		2.4		1.3	22.1	21.2	0.81	16.2		1.10	0.40	1.2	1.57	8.1	1.0	2.6	9.4	18.2	41
18	AV18	1.20		16.5		2.6		1.5	23.5	22.4	1.14	17.0		1.30	0.50	1.5	2.07	14.8	1.5	3.2	12.4	32.6	39
20	AV20	1.20		18.5		2.8		1.5	25.9	24.8	1.43	19.0		1.30	0.50	1.5	2.30	14.6	1.5	3.1	13.8	30.1	32
21	AV21	1.20		19.35	+0.13 -0.42	2.8		1.5	27.0	25.8	1.53	20.0	-0.15	1.30	0.50	1.5	2.42	14.4	1.5	3.1	14.5	29.9	29
22	AV22	1.20		20.5		3.0	±0.1	1.5	28.7	27.2	1.63	21.0		1.30	0.50	1.5	2.53	14.2	1.5	3.1	15.2	29.7	27
23	AV23	1.20	-0.06	21.5		3.1		1.5	29.5	28.4	1.78	22.0		1.30	0.50	1.5	2.66	14.0	1.5	3.1	16.0	29.0	25
24	AV24	1.20		22.2		3.2		1.5	30.7	29.5	1.90	22.9		1.30	0.55	1.6	3.03	14.0	1.5	3.1	18.2	28.8	27
25	AV25	1.20		23.2		3.4		1.5	32.7	31.5	2.10	23.9		1.30	0.55	1.6	3.18	14.1	1.5	3.2	19.1	28.8	25
26	AV26	1.20		24.2	+0.21 -0.42	3.5		1.5	33.3	32.1	2.18	24.9	-0.21	1.30	0.55	1.6	3.30	14.1	1.5	3.2	19.8	28.4	25
28	AV28	1.50		25.9		3.8		2.0	35.9	34.4	3.18	26.6		1.60	0.70	2.1	4.50	28.0	1.5	6.4	27.0	56.0	22
30	AV30	1.50		27.9		3.9		2.0	38.1	36.6	3.58	28.6		1.60	0.70	2.1	4.86	27.5	1.5	6.3	29.2	53.5	19
32	AV32	1.50		29.6		4.0		2.0	40.3	38.5	3.88	30.3		1.60	0.85	2.5	6.25	27.0	2.0	4.7	37.0	52.0	17
34	AV34	1.50		31.5		3.5		2.0	41.3	39.5	3.60	32.3		1.60	0.85	2.5	6.67	26.6	2.0	4.6	40.0	50.5	15
35	AV35	1.50		32.2	+0.25 -0.50	4.2		2.0	43.7	41.6	4.53	33.0		1.60	1.00	2.5	8.00	26.6	2.0	4.6	48.0	50.1	16
38	AV38	1.75		34.5		4.5		2.0	47.6	45.0	5.50	35.8		1.85	1.10	3.3	10.60	42.0	2.0	7.8	64.0	77.0	15
40	AV40	1.75		36.5		4.7		2.0	50.0	47.3	6.49	37.5	-0.25	1.85	1.25	3.8	12.60	42.0	2.0	7.8	75.0	77.0	15
42	AV42	1.75		38.5		4.7		2.0	52.0	49.3	6.51	39.5		1.85	1.25	3.8	13.30	42.0	2.0	7.8	80.0	76.0	13
45	AV45	1.75		41.5	+0.39 -0.90	4.7		2.0	55.0	52.3	7.80	42.5		1.85	1.25	3.8	14.30	41.5	2.0	7.8	86.0	75.0	11
47	AV47	1.75		43.5		5.0		2.0	57.6	54.9	8.09	44.5		1.85	1.25	3.8	15.00	41.0	2.0	7.8	90.0	73.5	10
48	AV48	1.75		44.5		5.2	±0.2	2.0	59.0	56.3	8.48	45.5		1.85	1.25	3.8	15.80	41.0	2.0	7.8	95.0	73.5	10
50	AV50	2.00		45.8		5.2		2.5	61.0	57.8	9.84	47.0		2.15	1.50	4.5	19.20	58.0	2.0	11.6	115.0	108.0	10
55	AV55	2.00		50.8		5.8		2.5	67.2	64.0	11.42	52.0		2.15	1.50	4.5	21.00	58.0	2.5	9.3	126.0	104.0	9
58	AV58	2.00		53.8		5.8		2.5	70.2	67.0	13.00	55.0		2.15	1.50	4.5	22.20	56.0	2.5	9.2	133.0	100.0	8
60	AV60	2.00		55.8		5.8		2.5	72.2	69.0	13.80	57.0		2.15	1.50	4.5	23.00	55.5	2.5	9.1	138.0	99.0	7
65	AV65	2.50	-0.07	60.8	+0.46 -1.10	6.0		2.5	77.8	74.6	20.75	62.0	-0.30	2.65	1.50	4.5	24.80	104.0	2.5	17.6	149.0	187.0	6
70	AV70	2.50		65.5		6.5		2.5	83.8	80.6	23.70	67.0		2.65	1.50	4.5	27.00	103.0	2.5	17.6	162.0	185.0	6
72	AV72	2.50		67.5		6.5		2.5	85.8	82.6	24.70	69.0		2.65	1.50	4.5	27.70	104.0	2.5	18.0	166.0	187.0	6
75	AV75	2.50		70.5		6.5		2.5	88.8	85.6	27.50	72.0		2.65	1.50	4.5	29.20	100.0	2.5	17.7	175.0	182.0	5
80	AV80	2.50		74.5		7.0		2.5	94.8	91.1	28.90	76.5		2.65	1.75	5.3	36.60	96.0	3.0	14.6	220.0	175.0	6
82	AV82	2.50		76.5		7.0	±0.3	2.5	96.8	93.1	29.65	78.5		2.65	1.75	5.3	37.40	100.0	3.0	15.4	225.0	184.0	5
85	AV85	3.00		79.5		7.4		3.0	100.6	96.9	39.50	81.5	-0.35	3.15	1.75	5.3	38.30	167.0	3.0	25.6	230.0	300.0	5
87	AV87	3.00		81.5		7.4		3.0	102.6	98.9	40.00	83.5		3.15	1.75	5.3	39.20	164.0	3.0	25.5	235.0	297.0	5
90	AV90	3.00		84.5		7.4		3.0	105.6	101.9	41.92	86.5		3.15	1.75	5.3	41.70	157.0	3.0	24.8	250.0	288.0	4
95	AV95	3.00	-0.08	89.5	+0.54 -1.300	8.0		3.0	111.8	108.1	47.70	91.5		3.15	1.75	5.3	42.70	152.0	3.5	21.0	256.0	285.0	4
100	AV100	3.00		94.5		8.0		3.0	116.8	113.1	49.92	96.5		3.15	1.75	5.3	45.80	144.0	3.5	20.5	275.0	276.0	4



d <sub>1</sub>	N1408 NAV											Groove					D A T A				
		s	Tolerance	d <sub>3</sub>	Tolerance	a max.	b ≈	d <sub>5</sub> min.	C <sub>1</sub>	C <sub>2</sub>	Weight (lbs/1000)	d <sub>2</sub>	Tolerance	m	Tolerance	n min.	Tc	Tg			
0.500	NAV50	0.035		0.461		0.080	0.080	0.040	0.67	0.64	1.0	0.468	±.002	0.039	+ .003 - .000	0.050	1240	226			
0.562	NAV56	0.035		0.521		0.088	0.088	0.040	0.75	0.72	1.4	0.530		0.039		0.050	1390	254			
0.594	NAV59	0.035		0.550		0.092	0.092	0.040	0.79	0.75	1.6	0.559		0.039		0.050	1470	294			
0.625	NAV62	0.035		0.579		0.096	0.096	0.040	0.83	0.79	1.6	0.588		0.039		0.055	1550	327			
0.688	NAV68	0.042		0.635		0.104	0.104	0.040	0.91	0.87	2.5	0.646		0.046		0.065	2040	409			
0.750	NAV75	0.042	±0.002	0.693	+ .005	0.112	0.112	0.040	0.99	0.94	2.8	0.704	±.003	0.046	+ .003 - .000	0.070	2230	488			
0.781	NAV78	0.042		0.722	- .010	0.116	0.116	0.040	1.04	0.98	3.1	0.733		0.046		0.075	2320	530			
0.812	NAV81	0.042		0.751		0.120	0.120	0.048	1.08	1.02	3.3	0.762		0.046		0.075	2410	574			
0.875	NAV87	0.042		0.810		0.128	0.128	0.048	1.16	1.08	3.8	0.812		0.046		0.080	2600	668			
0.938	NAV93	0.042		0.867		0.136	0.136	0.048	1.24	1.18	4.5	0.882		0.046		0.085	2780	743			
1.000	NAV100	0.042	±0.002	0.925	+ .010 - .015	0.144	0.144	0.048	1.32	1.24	4.9	0.940	±.004	0.046	+ .004 - .000	0.090	2970	848			
1.062	NAV106	0.050		0.982		0.147	0.147	0.076	1.38	1.31	6.2	0.998		0.056		0.096	3750	961			
1.125	NAV112	0.050		1.041		0.150	0.150	0.076	1.45	1.38	6.7	1.059		0.056		0.100	3980	1050			
1.188	NAV118	0.050		1.098		0.153	0.153	0.076	1.52	1.44	7.2	1.118		0.056		0.105	4200	1180			
1.250	NAV125	0.050		1.156		0.157	0.157	0.076	1.59	1.51	7.6	1.176		0.056		0.110	4420	1310			
1.312	NAV131	0.050	±0.003	1.214	+ .013 - .020	0.161	0.161	0.076	1.66	1.57	8.2	1.232	±.005	0.056	+ .004 - .000	0.120	4540	1480			
1.375	NAV137	0.050		1.272		0.165	0.165	0.076	1.73	1.64	8.4	1.291		0.056		0.125	4360	1630			
1.438	NAV143	0.050		1.333		0.169	0.169	0.076	1.80	1.70	9.1	1.350		0.056		0.130	5080	1790			
1.500	NAV150	0.050		1.387		0.173	0.173	0.076	1.87	1.77	9.8	1.406		0.056		0.140	5940	1990			
1.562	NAV156	0.062		1.446		0.178	0.178	0.076	1.95	1.86	12.9	1.468		0.068		0.141	5705	2075			
1.625	NAV162	0.062	±0.003	1.503	+ .013 - .020	0.183	0.183	0.076	2.02	1.93	13.4	1.529	±.005	0.068	+ .004 - .000	0.144	5935	2205			
1.750	NAV175	0.062		1.637		0.196	0.196	0.076	2.18	2.08	16.1	1.650		0.068		0.150	6390	2475			
1.772	NAV177	0.062		1.637		0.196	0.196	0.076	2.20	2.10	16.1	1.669		0.068		0.153	6470	2580			
1.812	NAV181	0.062		1.675		0.199	0.199	0.076	2.24	2.14	17.3	1.708		0.068		0.156	6615	2665			
1.969	NAV196	0.062		1.819		0.212	0.212	0.076	2.43	2.32	20.5	1.857		0.068		0.168	7190	3115			
2.000	NAV200	0.062	±0.003	1.850	+ .015 - .025	0.216	0.216	0.076	2.47	2.36	20.7	1.886	±.006	0.068	+ .005 - .000	0.171	7300	3225			
2.125	NAV212	0.078		1.993		0.219	0.219	0.118	2.62	2.50	30.0	2.003		0.086		0.183	9765	3665			
2.156	NAV215	0.078		1.993		0.229	0.229	0.118	2.65	2.53	30.0	2.032		0.086		0.186	9905	3780			
2.500	NAV250	0.078		2.313		0.259	0.259	0.118	3.05	2.92	43.5	2.360		0.086		0.210	11490	4950			
2.750	NAV275	0.093		2.543		0.280	0.280	0.118	3.34	3.20	57.9	2.602		0.103		0.222	15060	5753			
2.875	NAV287	0.093	±0.003	2.659	+ .020 - .030	0.290	0.290	0.118	3.49	3.34	64.5	2.721	±.006	0.103	+ .005 - .000	0.231	15750	6260			
3.155	NAV315	0.093		2.920		0.316	0.316	0.118	3.82	3.66	77.0	2.986		0.103		0.255	17280	7580			
3.250	NAV325	0.093		3.006		0.324	0.324	0.118	3.93	3.76	77.0	3.076		0.103		0.261	17800	8000			
3.500	NAV350	0.109		3.237		0.345	0.345	0.123	4.22	4.04	107.0	3.316		0.120		0.276	22470	9100			
3.938	NAV393	0.109		3.642		0.368	0.368	0.123	4.71	4.51	123.0	3.734		0.120		0.306	25280	11360			

