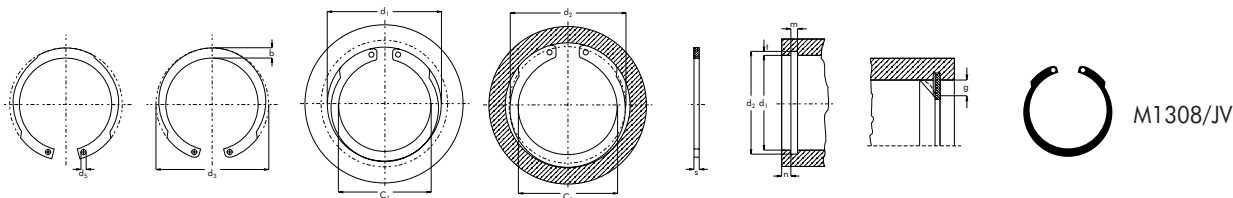


d ₁	M1308 JV											Groove				D A T A						
		s	Tolerance	d ₃	Tolerance	b	Tolerance	d ₅ min.	C ₁	C ₂	Weight (kg/1000)	d ₂	Tolerance	m min.	t	n	FN (kN)	FR (kN)	g	FRg (kN)	AN (mm ²)	K (kN/mm)
10	JV10	0.60	-0.05	10.9	+0.42 -0.13	1.5	±0.1	0.9	6.7	7.3	0.15	10.5	+0.11	0.70	0.25	0.7	0.52	1.7	0.5	1.0	3.1	5.7
12	JV12	0.60		13.1		1.8		1.0	8.1	8.8	0.25	12.6		0.70	0.30	0.9	0.75	1.8	0.8	1.0	4.5	5.5
15	JV15	0.80		16.1		2.0		1.0	10.7	11.5	0.41	15.7		0.90	0.35	1.0	1.33	3.3	1.0	1.9	8.0	11.0
16	JV16	1.00		17.3		2.1		1.3	11.5	12.4	0.53	16.8		1.10	0.40	1.2	1.67	5.2	1.0	3.1	10.0	22.7
17	JV17	1.00		18.3		2.1		1.3	12.5	13.4	0.58	17.8		1.10	0.40	1.2	1.70	5.8	1.0	3.0	11.0	21.2
18	JV18	1.00	-0.06	19.5	+0.50 -0.25	2.2	±0.2	1.3	13.3	14.4	0.62	19.0	+0.15	1.10	0.50	1.5	1.78	6.3	1.0	3.0	14.0	20.4
19	JV19	1.00		20.5		2.2		1.3	14.3	15.4	0.66	20.0		1.10	0.50	1.5	2.50	6.6	1.0	2.8	15.0	19.2
20	JV20	1.00		21.5		2.3		1.3	15.1	16.2	0.80	21.0		1.10	0.50	1.5	2.66	7.0	1.0	2.9	16.0	19.0
21	JV21	1.00		22.5		2.4		1.3	15.9	17.0	0.81	22.0		1.10	0.50	1.5	2.73	7.4	1.0	2.8	17.0	18.5
22	JV22	1.00		23.5		2.4		1.3	16.9	18.0	0.83	23.0		1.10	0.50	1.5	2.80	7.5	1.0	2.8	17.0	17.8
24	JV24	1.20	-0.06	25.9	+0.42 -0.21	2.8	±0.1	1.5	18.1	19.4	1.30	25.2	+0.21	1.30	0.60	1.8	3.68	14.5	1.0	4.8	22.0	29.9
25	JV25	1.20		26.9		2.8		1.5	18.9	20.2	1.40	26.2		1.30	0.60	1.8	4.00	14.8	1.0	5.0	24.0	30.6
26	JV26	1.20		27.9		3.0		1.5	19.7	21.0	1.50	27.2		1.30	0.60	1.8	4.17	15.3	1.0	5.2	25.0	31.4
27	JV27	1.20		29.1		3.0		1.5	20.7	22.2	1.53	28.4		1.30	0.70	2.1	5.00	15.0	1.0	5.1	30.0	29.9
28	JV28	1.20		30.1		3.1		1.5	21.5	23.0	1.80	29.4		1.30	0.70	2.1	5.10	15.3	1.0	5.2	31.0	30.4
30	JV30	1.20	-0.07	32.1	+0.50 -0.25	3.2	±0.2	1.5	23.3	24.8	2.03	31.4	+0.25	1.30	0.70	2.1	5.50	14.9	1.0	5.1	33.0	29.0
32	JV32	1.20		34.4		3.3		1.5	25.1	26.9	2.05	33.7		1.30	0.85	2.5	7.00	14.1	1.0	4.9	42.0	27.4
33	JV33	1.20		35.5		3.3		1.5	26.1	27.9	2.35	34.7		1.30	0.85	2.5	7.30	13.8	1.0	4.8	44.0	26.6
35	JV35	1.50		37.8		3.4		1.7	27.9	30.0	3.20	37.0		1.60	1.00	3.0	9.20	26.4	1.5	6.3	55.0	49.6
36	JV36	1.50		38.8		3.6		1.7	28.5	30.6	3.23	38.0		1.60	1.00	3.0	9.70	27.5	1.5	6.6	58.0	51.5
38	JV38	1.50	-0.07	40.8	+0.90 -0.39	3.8	±0.2	1.7	30.1	32.2	3.68	40.0	+0.30	1.60	1.00	3.0	10.20	28.0	1.5	6.7	61.0	51.2
40	JV40	1.75		43.5		4.2		2.0	31.0	33.7	4.75	42.5		1.85	1.25	3.8	13.50	45.5	2.0	8.4	81.0	82.5
42	JV42	1.75		45.5		4.2		2.0	33.0	35.7	5.20	44.5		1.85	1.25	3.8	14.10	45.5	2.0	8.5	85.0	82.5
45	JV45	1.75		48.5		4.2		2.0	35.6	38.7	6.00	47.5		1.85	1.25	3.8	15.00	44.0	2.0	8.4	90.0	79.5
47	JV47	1.75		50.5		4.7		2.0	37.0	39.7	6.50	49.5		1.85	1.25	3.8	15.80	45.0	2.0	8.7	95.0	81.3
48	JV48	1.75	-0.07	51.5	+1.10 -0.46	4.7	±0.2	2.0	38.0	40.7	7.00	50.5	+0.30	1.85	1.25	3.8	16.00	48.0	2.0	9.1	96.0	85.8
50	JV50	2.00		54.2		5.2		2.5	39.0	42.2	8.50	53.0		2.15	1.50	4.5	20.00	69.0	2.0	13.4	120.0	124.0
52	JV52	2.00		56.2		5.2		2.5	41.0	44.2	9.00	55.0		2.15	1.50	4.5	20.80	66.5	2.0	13.3	125.0	121.0
55	JV55	2.00		59.2		5.2		2.5	44.0	47.2	10.00	58.0		2.15	1.50	4.5	22.20	66.0	2.0	13.3	133.0	118.0
57	JV57	2.00		61.2		5.2		2.5	46.0	49.2	10.25	60.0		2.15	1.50	4.5	23.00	65.0	2.0	13.1	138.0	115.0
58	JV58	2.00	-0.07	62.2	+0.30 -0.12	5.2	±0.3	2.5	47.0	50.2	10.50	61.0	+0.30	2.15	1.50	4.5	23.30	64.0	2.0	12.9	140.0	113.0
60	JV60	2.00		64.2		5.2		2.5	49.0	52.2	11.25	63.0		2.15	1.50	4.5	24.20	62.0	2.0	12.7	145.0	111.0
62	JV62	2.00		66.2		5.2		2.5	51.0	54.2	11.75	65.0		2.15	1.50	4.5	25.00	60.0	2.0	12.3	150.0	107.0
65	JV65	2.50		69.2		5.7		2.5	52.2	56.0	16.25	68.0		2.65	1.50	4.5	25.80	122.0	2.5	20.6	155.0	218.0
67	JV67	2.50		71.5		5.7		2.5	54.7	58.0	17.30	70.0		2.65	1.50	4.5	26.80	122.0	2.5	20.8	161.0	218.0

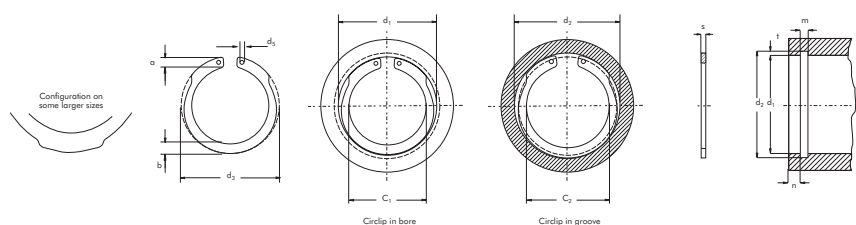


Technical drawings of the M1308/JV seal, showing various views and dimensions:

- Top View (Left):** Shows the outer diameter d_1 and the inner diameter d_2 .
- Side View (Left):** Shows the profile of the seal with dimensions d_1 and d_2 .
- End View (Left):** Shows the seal with dimensions d_1 and d_2 .
- End View (Right):** Shows the seal with dimensions d_1 and d_2 .
- Detail View (Right):** Shows a cross-section of the lip seal with dimensions d_1 , d_2 , and d_3 .

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d ₁	N1308 NJV											Groove					D A T A				
		s	Tolerance	d ₃	Tolerance	a max.	b ≈	d ₅ min.	C ₁	C ₂	Weight (lbs/1000)	d ₂	Tolerance	m	Tolerance	n min.	Tc	Tg			
0.625	NJV62	0.025	±0.002	0.675	+ .010 - .005	0.072	0.072	0.028	0.47	0.51	0.7	0.665	± .002	0.029	+ .003 - .000	0.060	1100	353			
0.750	NJV75	0.035		0.808		0.085	0.085	0.040	0.56	0.61	1.3	0.796		0.039		0.069	1850	201			
0.812	NJV81	0.042		0.877		0.092	0.092	0.040	0.61	0.66	2.0	0.862	± .003	0.046		0.075	2410	574			
0.875	NJV87	0.042		0.944		0.099	0.099	0.040	0.66	0.72	2.2	0.931		0.045		0.084	2600	693			
0.938	NJV93	0.042		1.015		0.106	0.106	0.040	0.70	0.77	2.8	1.000		0.046		0.093	2780	820			
1.000	NJV100	0.042	±0.002	1.081	+ .015 - .005	0.113	0.113	0.040	0.75	0.83	2.9	1.066	± .004	0.046	+ .004 - .000	0.099	2970	933			
1.062	NJV106	0.050		1.150		0.120	0.120	0.048	0.80	0.87	3.8	1.130		0.056		0.102	3750	1020			
1.125	NJV112	0.050		1.217		0.123	0.123	0.048	0.85	0.93	4.4	1.197		0.056		0.108	3980	1140			
1.188	NJV118	0.050		1.283		0.126	0.126	0.048	0.91	0.99	4.9	1.262		0.056		0.111	4200	1240			
1.250	NJV125	0.050		1.351		0.129	0.129	0.048	0.96	1.06	5.0	1.330		0.056		0.120	4410	1410			
1.312	NJV131	0.050	±0.003	1.418	+ .025 - .005	0.132	0.132	0.048	1.02	1.12	5.3	1.396	± .005	0.056		0.126	4640	1560			
1.375	NJV137	0.050		1.486		0.135	0.135	0.048	1.08	1.17	5.9	1.461		0.056		0.129	4860	1670			
1.438	NJV143	0.050		1.552		0.144	0.144	0.074	1.13	1.24	6.3	1.528		0.056		0.135	5080	1830			
1.500	NJV150	0.050		1.622		0.148	0.148	0.074	1.18	1.28	6.8	1.594		0.056		0.141	5300	1990			
1.562	NJV156	0.062		1.688		0.158	0.158	0.074	1.22	1.32	8.9	1.658		0.068		0.144	5700	2120			
1.625	NJV162	0.062	±0.003	1.756	+ .030 - .020	0.162	0.162	0.074	1.27	1.37	10.4	1.725	± .006	0.068	+ .005 - .000	0.150	5935	2300			
1.688	NJV168	0.062		1.823		0.170	0.170	0.074	1.32	1.42	11.9	1.792		0.068		0.156	6165	2480			
1.750	NJV175	0.062		1.891		0.166	0.166	0.074	1.38	1.49	11.8	1.858		0.068		0.162	6390	2670			
1.875	NJV187	0.062		2.025		0.188	0.188	0.074	1.47	1.58	14.8	1.989		0.068		0.171	6850	3020			
2.000	NJV200	0.062		2.160		0.208	0.208	0.074	1.55	1.67	17.4	2.122		0.068		0.183	7300	3450			
2.062	NJV206	0.078	±0.003	2.224	+ .030 - .020	0.218	0.218	0.092	1.59	1.71	23.2	2.186	± .006	0.086	+ .005 - .000	0.186	9475	3615			
2.125	NJV212	0.078		2.295		0.223	0.223	0.092	1.65	1.77	24.3	2.251		0.086		0.189	9760	3785			
2.375	NJV237	0.078		2.567		0.243	0.243	0.092	1.86	2.00	28.6	2.517		0.086		0.213	10900	4770			
2.438	NJV243	0.078		2.634		0.248	0.248	0.092	1.91	2.05	30.6	2.584		0.086		0.216	11200	5030			
2.500	NJV250	0.078		2.700		0.254	0.254	0.092	1.96	2.10	32.1	2.648		0.086		0.222	11490	5230			



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