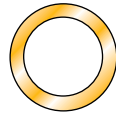
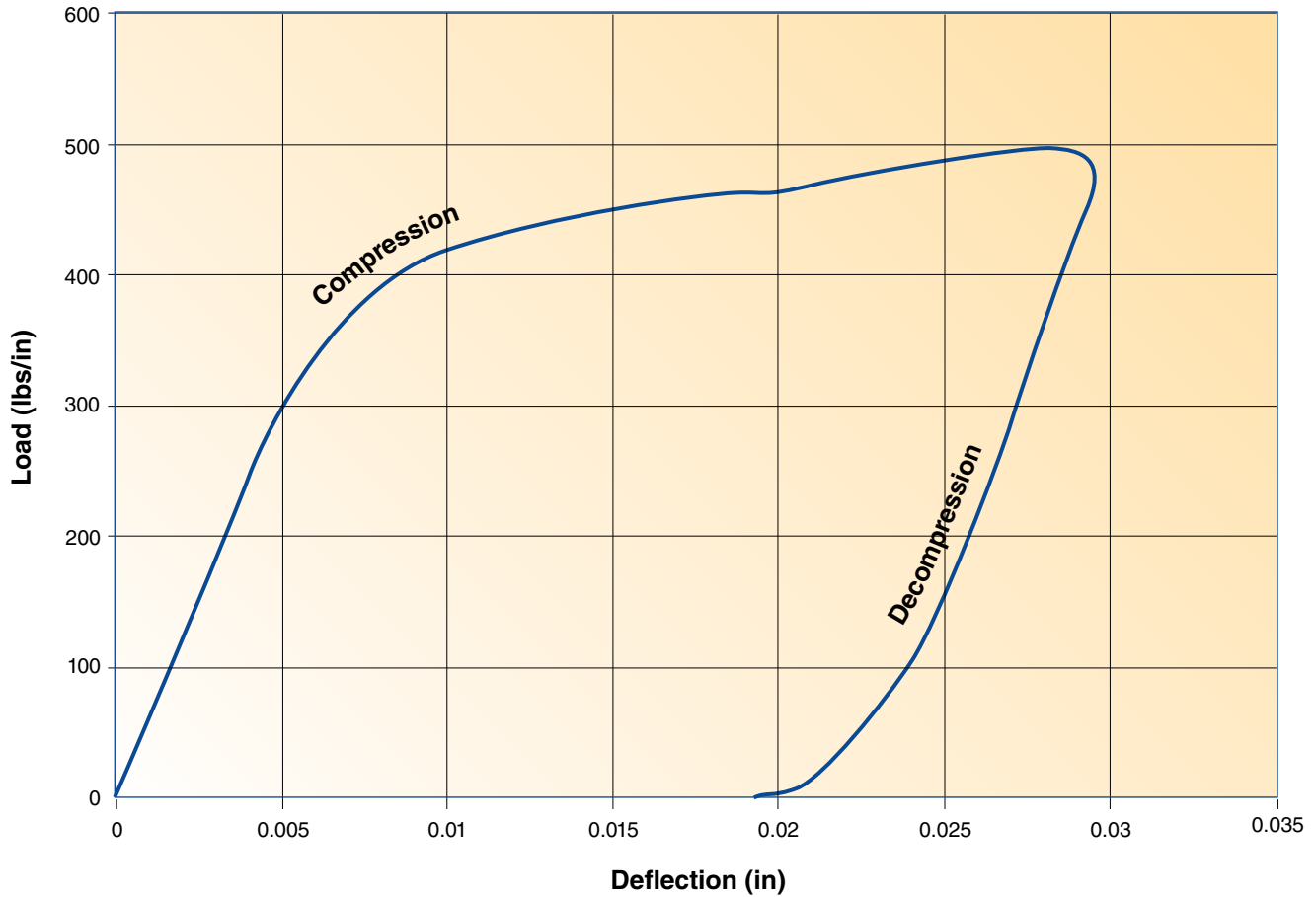


## Performance Data



EOI Metal O-Ring Performance



Metal O-Ring Performance									
Nominal Cross Section	Free Height	Material Thickness	Cross Section Code	Temper Code	Material	Seating Load (pounds per inch circumference)	Springback (inches)	Working Pressure Rating (psi)	
								Vented	Non-Vented
1/32	0.035	0.006	01	-1	321 SS Alloy X-750	400	0.0005	10000	700
						550	0.0005	15000	1000
3/64	0.047	0.007	29	-1	321 SS Alloy X-750	400	0.001	7000	700
						550	0.001	10000	1000
1/16	0.062	0.006	02	-1	321 SS Alloy X-750	260 350	0.0015 0.002	4000 6500	600 900
			03	-1	321 SS Alloy X-750	550 750	0.001 0.0015	11000 16000	700 1000
		0.012	31	-1	321 SS Alloy X-750	800 1100	0.001 0.001	14000 20000	700 1100
			08	-1	321 SS Alloy X-750	1100 1500	0.001 0.001	17000 25000	800 1200
3/32	0.094	0.006	04	-1	321 SS Alloy X-750	150 200	0.002 0.002	1400 2000	700 1000
			05	-1	321 SS Alloy X-750	300 400	0.002 0.002	4000 6500	800 1100
		0.012	32	-1	321 SS Alloy X-750	400 550	0.001 0.0015	6500 10000	800 1200
			09	-1	321 SS Alloy X-750	1200 1600	0.001 0.0015	16500 25000	900 1300
1/8	0.125	0.008	06	-1	321 SS Alloy X-750	100 140	0.004 0.005	2500 4000	500 700
			07	-1	321 SS Alloy X-750	150 200	0.003 0.004	4500 6500	500 800
		0.012	25	-1	321 SS Alloy X-750	280 400	0.002 0.003	6500 10000	600 900
			10	-1	321 SS Alloy X-750	900 1200	0.002 0.002	16500 25000	700 1000
5/32	0.156	0.016	11	-1	304 SS Alloy X-750	400 550	0.004 0.005	4000 6500	700 1000
			12	-1	304 SS Alloy X-750	750 1000	0.003 0.004	13500 20000	700 1100
3/16	0.188	0.020	13	-1	304 SS Alloy X-750	450 600	0.004 0.005	4000 6500	700 1000
			14	-1	304 SS Alloy X-750	700 950	0.003 0.004	14500 22000	700 1100
1/4	0.250	0.025	15	-1	304 SS Alloy X-750	450 600	0.005 0.006	4000 6000	700 1000
			16	-1	304 SS Alloy X-750	950 1300	0.004 0.005	13500 20500	700 1100
3/8	0.375	0.038	17	-1 -6	304 SS Alloy 718	650 1000	0.006 0.009	4000 8000	1100 1600
			18	-1 -6	304 SS Alloy 718	1100 1700	0.005 0.007	7500 14500	1300 2000
1/2	0.500	0.050	19	-1 -6	304 SS Alloy 718	1000 2400	0.009 0.017	4000 8000	1100 1600
			20	-1 -6	304 SS Alloy 718	1700 3800	0.007 0.012	7500 14500	1300 2000
5/8	0.625	0.063	21	-1 -6	304 SS Alloy 718	1400 3300	0.011 0.020	4000 8000	1100 1600

Based on nominal seal dimensions, recommended cavity dimensions, and ambient temperature. If working pressures exceed the above ratings consult us for recommendations. Refer to Page E-68 for a definition of the above performance terminology.

