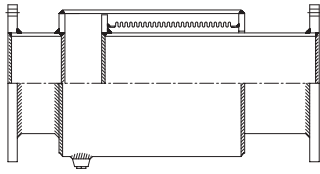
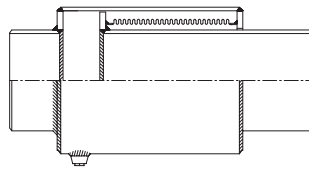
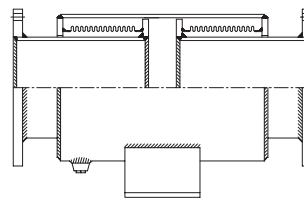
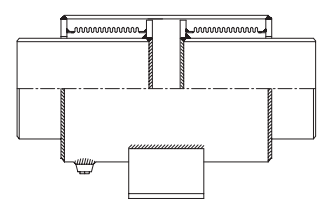


**3501 Fixed Flange**

**3502 Weld End**

**3505 Fixed Flange  
Dual Anchor Base**

**3506 Weld End  
Dual Anchor Base**

**Table 7 Type 3501 and 3502**
**Design Pressure: 300 psig Test Pressure: 450 psig Design Temperature: 500°F**

Nominal Size (NPS)	Axial Spring Rate (1) (lb/in)	Part Number 3501 3502	Axial Compr. (inches)	Axial Ext. (inches)	3501		3502	
					Overall Length (inches)	Weight (lbs)	Overall Length (inches)	Weight (lbs)
2	68	-331-4	4	1	24.75	35	24.25	24
	47	-331-6	6	2	33.75	44	33.25	34
	35	-331-8	8	2	40.25	51	39.75	41
2 1/2	137	-335-4	4	1	24.75	48	24.13	32
	93	-335-6	6	2	33.75	61	33.13	47
	59	-335-8	8	2	40.25	70	39.63	56
3	195	-340-4	4	1	24.75	70	24.13	48
	117	-340-6	6	2	33.75	88	33.13	66
	85	-340-8	8	2	40.25	99	39.63	77
4	293	-348-4	4	1	24.75	105	24.13	72
	177	-348-6	6	2	33.75	131	33.13	98
	135	-348-8	8	2	40.25	149	39.63	115
5	606	-355-4	4	1	24.75	113	24.13	75
	377	-355-6	6	2	33.75	138	33.13	100
	263	-355-8	8	2	40.25	160	39.63	122
6	685	-360-4	4	1	26.50	175	25.88	111
	426	-360-6	6	2	35.25	208	34.63	145
	297	-360-8	8	2	41.75	238	41.13	175
8	745	-367-4	4	1	26.50	229	25.75	148
	457	-367-6	6	2	35.25	283	34.50	202
	340	-367-8	8	2	41.75	318	41.00	236
10	892	-374-4	4	1	26.50	307	25.75	205
	516	-374-6	6	2	35.25	376	34.50	275
	389	-374-8	8	2	41.75	421	41.00	320
12	1045	-380-4	4	1	28.75	434	28.00	267
	628	-380-6	6	2	37.25	523	36.50	355
	441	-380-8	8	2	44.50	573	43.75	406
14	1879	-381-4	4	1	28.75	522	28.00	308
	1157	-381-6	6	2	37.25	614	36.50	398
	794	-381-8	8	2	44.50	684	43.75	469
16	2073	-382-4	4	1	28.75	598	28.00	345
	1275	-382-6	6	2	37.25	701	36.50	447
	874	-382-8	8	2	44.50	779	43.75	527
18	2503	-383-4	4	1	29.50	727	28.75	340
	1535	-383-6	6	2	38.00	840	37.25	495
	1046	-383-8	8	2	45.25	930	44.50	583
20	3283	-384-4	4	1	29.50	891	28.75	435
	2014	-384-6	6	2	38.00	1023	37.25	566
	1373	-384-8	8	2	45.25	1128	44.50	670
24	3860	-386-4	4	1	29.50	1106	28.75	492
	2368	-386-6	6	2	38.00	1259	37.25	645
	1611	-386-8	8	2	45.25	1382	44.50	766
1	2	3	4	5	6	7	8	9