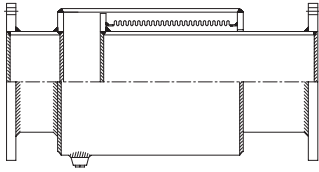
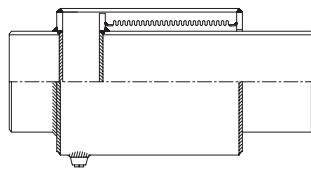
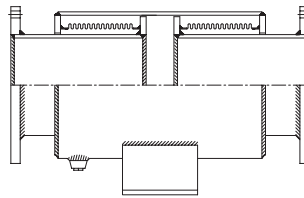
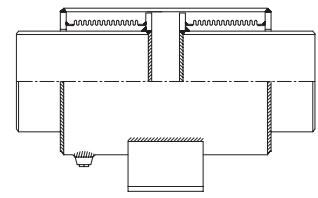


3501 Fixed Flange

3502 Weld End

**3505 Fixed Flange
Dual Anchor Base**

**3506 Weld End
Dual Anchor Base**

Table 5 Type 3501 and 3502
Design Pressure: 150 psig Test Pressure: 225 psig Design Temperature: 500°F

Nominal Size (NPS)	Axial Spring Rate (1) (lb/in)	Part Number 3501 3502 3503	Axial Compr. (inches)	Axial Ext. (inches)	3501		3502	
					Overall Length (inches)	Weight (lbs)	Overall Length (inches)	Weight (lbs)
2	33	-131-4	4	1	24.75	31	24.25	23
	22	-131-6	6	2	33.75	40	33.25	32
	17	-131-8	8	2	40.25	47	39.75	39
2 1/2	79	-135-4	4	1	24.75	44	24.13	33
	54	-135-6	6	2	33.75	56	33.13	46
	35	-135-8	8	2	40.25	65	39.63	54
3	66	-140-4	4	1	24.75	60	24.13	46
	40	-140-6	6	2	33.75	77	33.13	63
	31	-140-8	8	2	40.25	87	39.63	74
4	121	-148-4	4	1	24.75	89	24.13	70
	74	-148-6	6	2	33.75	114	33.13	95
	57	-148-8	8	2	40.25	131	39.63	112
5	313	-155-4	4	1	24.75	95	24.13	73
	196	-155-6	6	2	33.75	119	33.13	98
	139	-155-8	8	2	40.25	139	39.63	118
6	348	-160-4	4	1	26.50	141	25.88	110
	218	-160-6	6	2	35.25	174	34.63	142
	155	-160-8	8	2	41.75	202	41.13	171
8	380	-167-4	4	1	26.50	190	25.75	145
	234	-167-6	6	2	35.25	242	34.50	196
	176	-167-8	8	2	41.75	275	41.00	230
10	452	-174-4	4	1	26.50	259	25.75	202
	267	-174-6	6	2	35.25	326	34.50	268
	203	-174-8	8	2	41.75	370	41.00	313
12	418	-180-4	4	1	28.75	344	28.00	261
	253	-180-6	6	2	37.25	428	36.50	345
	183	-180-8	8	2	44.50	478	43.75	395
14	1193	-181-4	4	1	28.75	429	28.00	301
	738	-181-6	6	2	37.25	516	36.50	388
	515	-181-8	8	2	44.50	584	43.75	456
16	1314	-182-4	4	1	28.75	492	28.00	338
	813	-182-6	6	2	37.25	589	36.50	436
	567	-182-8	8	2	44.50	666	43.75	512
18	1438	-183-4	4	1	29.50	528	28.75	374
	888	-183-6	6	2	38.00	636	37.25	482
	619	-183-8	8	2	45.25	721	44.50	567
20	1206	-184-4	4	1	29.50	596	28.75	415
	748	-184-6	6	2	38.00	717	37.25	536
	529	-184-8	8	2	45.25	811	44.50	631
24	1409	-186-4	4	1	29.50	742	28.75	468
	874	-186-6	6	2	38.00	883	37.25	609
	616	-186-8	8	2	45.25	993	44.50	719
1	2	3	4	5	6	7	8	9