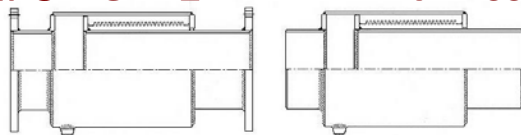


150# SINGLE EXTERNALLY PRESSURIZED / EXPANSION JOINTS



Design Pressure: 150 psig
 Test Pressure: 225 psig
 Design Temperature: 500°F

EXTERNALLY PRESSURIZED

METAL EXPANSION JOINTS

| Nominal Size (NPS) | Axial Spring Rate (lb/in) | Part Number 3501-3502- | Axial Compression (in) | Axial Extension (in) | Fixed Flange—3501 | | Weld End—3502 | |
|--------------------|---------------------------|------------------------|------------------------|----------------------|-------------------|----------|---------------|----------|
| | | | | | OAL (in) | Wt (lbs) | OAL (in) | Wt (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 |

Toll Free: 877-462-1007

Fax: 847-462-1450

24/7 Emergency Service: 847-337-9459

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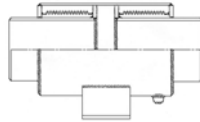
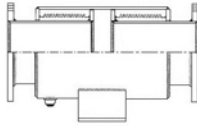
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765 Industrial Drive

Cary, IL 60013

Em: duraflex@duraflexinc.com

150# DUAL EXTERNALLY PRESSURIZED EXPANSION JOINTS



Design Pressure: 150 psig
 Test Pressure: 225 psig
 Design Temperature: 500°F

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| Nominal Size (NPS) | Axial Spring Rate (lb/in) | Part Number 3505-3506- | Axial Compression (in) | Axial Extension (in) | Fixed Flange—3505 Dual Anchor Base | | Weld End—3506 Dual Anchor Base | |
|--------------------|---------------------------|------------------------|------------------------|----------------------|------------------------------------|----------|--------------------------------|----------|
| | | | | | OAL (in) | Wt (lbs) | OAL (in) | Wt (lbs) |
| 2 | 33 | -131-8 | 8 | 2 | 42.00 | 56 | 41.50 | 49 |
| | 22 | -131-12 | 12 | 4 | 60.00 | 75 | 59.50 | 66 |
| | 17 | -131-16 | 16 | 4 | 73.00 | 87 | 72.50 | 79 |
| 2-1/2 | 79 | -135-8 | 8 | 2 | 41.75 | 77 | 41.13 | 66 |
| | 54 | -135-12 | 12 | 4 | 59.75 | 102 | 59.13 | 90 |
| | 35 | -135-16 | 16 | 4 | 72.75 | 119 | 72.13 | 108 |
| 3 | 66 | -140-8 | 8 | 2 | 41.75 | 104 | 41.13 | 89 |
| | 40 | -140-12 | 12 | 4 | 59.75 | 137 | 59.13 | 123 |
| | 31 | -140-16 | 16 | 4 | 72.75 | 158 | 72.13 | 144 |
| 4 | 121 | -148-8 | 8 | 2 | 41.75 | 151 | 41.13 | 132 |
| | 74 | -148-12 | 12 | 4 | 59.75 | 202 | 59.13 | 181 |
| | 57 | -148-16 | 16 | 4 | 72.75 | 235 | 72.13 | 215 |
| 5 | 313 | -155-8 | 8 | 2 | 41.75 | 161 | 41.13 | 139 |
| | 196 | -155-12 | 12 | 4 | 59.75 | 209 | 59.13 | 187 |
| | 139 | -155-16 | 16 | 4 | 72.75 | 251 | 72.13 | 229 |
| 6 | 348 | -160-8 | 8 | 2 | 44.25 | 246 | 43.63 | 212 |
| | 218 | -160-12 | 12 | 4 | 61.75 | 311 | 61.13 | 277 |
| | 155 | -160-16 | 16 | 4 | 74.75 | 368 | 74.13 | 334 |
| 8 | 380 | -167-8 | 8 | 2 | 44.00 | 323 | 43.25 | 274 |
| | 234 | -167-12 | 12 | 4 | 61.50 | 425 | 60.75 | 376 |
| | 176 | -167-16 | 16 | 4 | 74.50 | 493 | 73.75 | 444 |
| 10 | 452 | -174-8 | 8 | 2 | 43.00 | 445 | 42.25 | 382 |
| | 267 | -174-12 | 12 | 4 | 60.50 | 578 | 59.75 | 516 |
| | 203 | -174-16 | 16 | 4 | 73.50 | 667 | 72.75 | 604 |
| 12 | 418 | -180-8 | 8 | 2 | 47.50 | 588 | 46.75 | 490 |
| | 253 | -180-12 | 12 | 4 | 64.50 | 755 | 63.75 | 661 |
| | 183 | -180-16 | 16 | 4 | 79.00 | 853 | 78.25 | 759 |
| 14 | 1193 | -181-8 | 8 | 2 | 46.25 | 699 | 45.50 | 558 |
| | 738 | -181-12 | 12 | 4 | 63.25 | 875 | 62.50 | 734 |
| | 515 | -181-16 | 16 | 4 | 77.75 | 1009 | 77.00 | 870 |
| 16 | 1314 | -182-8 | 8 | 2 | 46.25 | 822 | 45.50 | 654 |
| | 813 | -182-12 | 12 | 4 | 63.25 | 1020 | 62.50 | 852 |
| | 567 | -182-16 | 16 | 4 | 77.75 | 1170 | 77.00 | 1004 |
| 18 | 1438 | -183-8 | 8 | 2 | 47.75 | 900 | 47.00 | 721 |
| | 888 | -183-12 | 12 | 4 | 64.75 | 1116 | 64.00 | 941 |
| | 619 | -183-16 | 16 | 4 | 79.25 | 1286 | 78.50 | 1109 |
| 20 | 1206 | -184-8 | 8 | 2 | 47.75 | 1047 | 47.00 | 838 |
| | 748 | -184-12 | 12 | 4 | 64.75 | 1288 | 64.00 | 1083 |
| | 529 | -184-16 | 16 | 4 | 79.25 | 1477 | 78.50 | 1270 |
| 24 | 1409 | -186-8 | 8 | 2 | 47.75 | 1241 | 47.00 | 934 |
| | 874 | -186-12 | 12 | 4 | 64.75 | 1523 | 64.00 | 1219 |
| | 616 | -186-16 | 16 | 4 | 79.25 | 1743 | 78.50 | 1436 |

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