



Type FSF - Single Sphere Connectors with Flanges

| Nominal | | 'F' installed length mm | | Travel mm Min Compr. Extended | Allowable Movements from Neutral | | | | Pressure | | Weight kg | |
|------------|------|-------------------------|------------------|--|----------------------------------|---------------------|----------------------|-----------------------------|-----------------|--------------|--------------------|-------------------------|
| Dia. mm | inch | Neutral Length | Max Installed | | Total Compr. mm | Axial Ext. mm | Axial Defl. mm | Lateral Angular Defl. | Positive MPa | Vacuum mm | Joint & Flanges | Control Unit Sets |
| 32 | 1¼" | 95 | 89-97 | 87-99 | 8 | 4 | 8 | 15° | 1.55 | 660 | 2.10 | 1.40 |
| 40 | 1½" | 95 | 89-97 | 87-99 | 8 | 4 | 8 | 15° | 1.55 | 660 | 2.45 | 1.99 |
| 50 | 2" | 105 | 99-107 | 99-110 | 8 | 5 | 8 | 15° | 1.55 | 660 | 3.86 | 2.86 |
| 65 | 2½" | 115 | 107-118 | 103-121 | 8 | 6 | 10 | 15° | 1.55 | 660 | 5.60 | 3.36 |
| 80 | 3" | 130 | 122-133 | 118-113 | 12 | 6 | 10 | 15° | 1.55 | 660 | 6.40 | 3.68 |
| 100 | 4" | 135 | 122-140 | 117-145 | 18 | 10 | 12 | 15° | 1.55 | 660 | 7.80 | 3.27 |
| 125 | 5" | 170 | 156-175 | 152-180 | 18 | 10 | 12 | 15° | 1.55 | 660 | 10.70 | 3.86 |
| 150 | 6" | 180 | 167-185 | 162-190 | 18 | 10 | 12 | 15° | 1.55 | 660 | 13.20 | 4.82 |
| 200 | 8" | 205 | 186-212 | 180-220 | 25 | 14 | 22 | 15° | 1.55 | 660 | 18.80 | 6.36 |
| 250 | 10" | 240 | 221-247 | 215-254 | 25 | 14 | 22 | 15° | 1.55 | 660 | 26.60 | 10.00 |
| 300 | 12" | 260 | 241-267 | 235-274 | 25 | 14 | 22 | 15° | 1.55 | 660 | 37.70 | 12.73 |
| 350 | 14" | 265 | 246-273 | 240-281 | 25 | 14 | 22 | 15° | 1.03 | 660 | 54.50 | 13.41 |
| 400 | 16" | 265 | 246-273 | 240-281 | 25 | 14 | 22 | 15° | 0.86 | 660 | 76.40 | 12.63 |
| 450 | 18" | 265 | 246-273 | 240-281 | 25 | 14 | 22 | 15° | 0.86 | 660 | 77.30 | 15.04 |
| 500 | 20" | 265 | 246-273 | 240-281 | 25 | 14 | 22 | 15° | 0.86 | 660 | 79.50 | 15.50 |
| 550 | 22" | 254 | 235-262 | 229-270 | 25 | 16 | 19 | 15° | 0.79 | 660 | 95.50 | 15.88 |
| 600 | 24" | 254 | 235-262 | 229-270 | 25 | 16 | 19 | 15° | 0.76 | 660 | 116.00 | 20.90 |

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