

TOLERANCES
DOM TUBING/WALL THICKNESS

| OD, Inches | | | | |
|-----------------------------|------------------|--------------------------|---------------------------|----------------------------|
| Wall Thickness Inches | .375 to .875 | Over .875 to 1.875 | Over 1.875 to 3.750 | Over 3.750 to 15.000 |
| .028 & .035 | + .002 - .002 | + .002 - .002 | + .002 - .002 | |
| .049 | + .002 - .002 | + .002 - .003 | + .002 - .003 | |
| .065 | + .002 - .002 | + .002 - .003 | + .002 - .003 | + .004 - .004 |
| .083 | + .002 - .002 | + .002 - .003 | + .003 - .003 | + .004 - .005 |
| .095 | + .002 - .002 | + .002 - .003 | + .003 - .003 | + .004 - .005 |
| .109 | + .002 - .003 | + .002 - .004 | + .003 - .003 | + .005 - .005 |
| .120 | + .003 - .003 | + .002 - .004 | + .003 - .003 | + .005 - .005 |
| .134 & .148 | + .002 - .004 | + .002 - .004 | + .003 - .003 | + .005 - .005 |
| .165 | + .003 - .004 | + .003 - .004 | + .003 - .004 | + .005 - .006 |
| .180 | + .004 - .004 | + .004 - .004 | + .003 - .005 | + .006 - .006 |
| .203 | + .004 - .005 | + .004 - .005 | + .004 - .005 | + .006 - .007 |
| .220 | + .004 - .006 | + .004 - .006 | + .004 - .006 | + .007 - .007 |
| .238 | + .005 - .006 | + .005 - .006 | + .005 - .006 | + .007 - .007 |
| .259 | | + .005 - .006 | + .005 - .006 | + .007 - .007 |
| .284 | | + .005 - .006 | + .005 - .006 | + .007 - .007 |
| .300 | | + .006 - .006 | + .006 - .006 | + .008 - .008 |
| .320 | | + .007 - .007 | + .007 - .007 | + .008 - .008 |
| .344 | | + .008 - .008 | + .008 - .008 | + .009 - .009 |
| .375 | | | + .009 - .009 | + .009 - .009 |
| .400 | | | + .010 - .010 | + .010 - .010 |
| .438 | | | + .011 - .011 | + .011 - .011 |
| .480 | | | + .012 - .012 | + .012 - .012 |
| .531 & .563 | | | + .013 - .013 | + .013 - .013 |
| .580 | | | + .014 - .014 | + .014 - .014 |
| .600 | | | + .015 - .015 | + .015 - .015 |
| .625 | | | + .016 - .016 | + .016 - .016 |
| .650 | | | + .017 - .017 | + .017 - .017 |

TOLERANCES

DOM TUBING/DIAMETER

| OD Size Range | OD, Inches | | ID, Inches | |
|------------------|------------|-------|------------|-------|
| | Over | Under | Over | Under |
| Up to 0.499 | .004 | .000 | | |
| 0.500 - 1.699 | .005 | .000 | .000 | .005 |
| 1.700 - 2.099 | .006 | .000 | .000 | .006 |
| 2.100 - 2.499 | .007 | .000 | .000 | .007 |
| 2.500 - 2.899 | .008 | .000 | .000 | .008 |
| 2.900 - 3.299 | .009 | .000 | .000 | .009 |
| 3.300 - 3.699 | .010 | .000 | .000 | .010 |
| 3.700 - 4.099 | .011 | .000 | .000 | .011 |
| 4.100 - 4.499 | .012 | .000 | .000 | .012 |
| 4.500 - 4.899 | .013 | .000 | .000 | .013 |
| 4.900 - 5.299 | .014 | .000 | .000 | .014 |
| 5.300 - 5.549 | .015 | .000 | .000 | .015 |
| 5.550 - 5.999 | .010 | .010 | .010 | .010 |
| 6.000 - 6.499 | .013 | .013 | .013 | .013 |
| 6.500 - 6.999 | .015 | .015 | .015 | .015 |
| 7.000 - 7.499 | .018 | .018 | .018 | .018 |
| 7.500 - 7.999 | .020 | .020 | .020 | .020 |
| 8.000 - 8.499 | .023 | .023 | .023 | .023 |
| 8.500 - 8.999 | .025 | .025 | .025 | .025 |
| 9.000 - 9.499 | .028 | .028 | .028 | .028 |
| 9.500 - 9.999 | .030 | .030 | .030 | .030 |
| 10.000 - 10.999 | .034 | .034 | .034 | .034 |
| 11.000 - 11.999 | .035 | .035 | .035 | .035 |
| 12.000 - 12.999 | .036 | .036 | .036 | .036 |
| 13.000 - 13.999 | .037 | .037 | .037 | .037 |
| 14.000 - 15.000 | .038 | .038 | .038 | .038 |

Ovality shall be within the above tolerance except when wall thickness is less than 3% of the OD. In such cases the additional ovality shall be as follows, but the mean diameter shall be within the specified tolerance:

| OD, Inches | Additional Ovality Tolerance, Inch |
|----------------------------|---------------------------------------|
| Up to 2,000 | .010 |
| Over 2.000 - 3.000 incl. | .015 |
| Over 3.000 - 4.000 incl. | .020 |
| Over 4.000 - 5.000 incl. | .025 |
| Over 5.000 - 6.000 incl. | .030 |
| Over 6.000 - 7.000 incl. | .035 |
| Over 7.000 - 8.000 incl. | .040 |
| Over 8.000 - 9.000 incl. | .045 |
| Over 9.000 - 10.000 incl. | .050 |
| Over 10.000 - 11.000 incl. | .055 |
| Over 11.000 - 12.000 incl. | .060 |
| Over 12.000 - 12.500 incl. | .065 |
| Over 13.000 - 13.999 incl. | .070 |
| Over 14.000 - 15.000 incl. | .075 |