

| EXTERNAL THREADS - CLASS 3A | | | | | | | ANSI B1.1 |
|---|----------------|--------|--------|----------------|--------|--------|----------------|
| Screw Size | Major Diameter | | | Pitch Diameter | | | Minor Diameter |
| | Basic | Max | Min | Basic | Max | Min | Max |
| 0-80 | .0600 | .0600 | .0568 | .0519 | .0519 | .0506 | .0447 |
| 1-72 | .0730 | .0730 | .0695 | .0640 | .0640 | .0626 | .0560 |
| 2-56 | .0860 | .0860 | .0819 | .0744 | .0744 | .0728 | .0641 |
| 3-48 | .0990 | .0990 | .0945 | .0855 | .0855 | .0838 | .0734 |
| 4-40 | .1120 | .1120 | .1069 | .0958 | .0958 | .0930 | .0813 |
| 4-48 | .1120 | .1120 | .1075 | .0985 | .0985 | .0967 | .0864 |
| 5-40 | .1250 | .1250 | .1199 | .1088 | .1088 | .1069 | .0943 |
| 6-32 | .1380 | .1380 | .1320 | .1177 | .1177 | .1156 | .0997 |
| 6-40 | .1380 | .1380 | .1329 | .1218 | .1218 | .1198 | .1073 |
| 8-32 | .1640 | .1640 | .1580 | .1437 | .1437 | .1415 | .1257 |
| 8-36 | .1640 | .1640 | .1585 | .1460 | .1460 | .1439 | .1299 |
| 10-24 | .1900 | .1900 | .1828 | .1629 | .1629 | .1604 | .1389 |
| 10-32 | .1900 | .1900 | .1840 | .1697 | .1697 | .1674 | .1517 |
| 1/4-20 | .2500 | .2500 | .2419 | .2175 | .2175 | .2147 | .1887 |
| 1/4-28 | .2500 | .2500 | .2435 | .2268 | .2268 | .2243 | .2062 |
| 5/16-18 | .3125 | .3125 | .3038 | .2764 | .2764 | .2734 | .2443 |
| 5/16-24 | .3125 | .3125 | .3053 | .2854 | .2854 | .2827 | .2614 |
| 3/8-16 | .3750 | .3750 | .3656 | .3344 | .3344 | .3311 | .2983 |
| 3/8-24 | .3750 | .3750 | .3678 | .3479 | .3479 | .3450 | .3239 |
| 7/16-14 | .4375 | .4375 | .4272 | .3911 | .3911 | .3876 | .3499 |
| 7/16-20 | .4375 | .4375 | .4294 | .4050 | .4050 | .4019 | .3762 |
| 1/2-13 | .5000 | .5000 | .4891 | .4500 | .4500 | .4463 | .4056 |
| 1/2-20 | .5000 | .5000 | .4919 | .4675 | .4675 | .4643 | .4387 |
| 5/8-11 | .6250 | .6250 | .6129 | .5660 | .5660 | .5619 | .5135 |
| 5/8-18 | .6250 | .6250 | .6163 | .5889 | .5889 | .5854 | .5568 |
| 3/4-10 | .7500 | .7500 | .7371 | .6850 | .6850 | .6806 | .6273 |
| 7/8-9 | .8750 | .8750 | .8611 | .8028 | .8028 | .7981 | .7387 |
| 1-8 | 1.0000 | 1.0000 | .9850 | .9188 | .9188 | .9137 | .8466 |
| *Class 3A threads over 1" diameter screws are Class 2A threads. | | | | | | | |
| * 1 1/4-7 | 1.2500 | 1.2478 | 1.2314 | 1.1572 | 1.1550 | 1.1476 | 1.0725 |
| * 1 1/2-6 | 1.5000 | 1.4976 | 1.4794 | 1.3917 | 1.3893 | 1.3812 | 1.2931 |