

# UNIFIED THREAD GAGES

## Pitch Diameter Chart – Thread Work Plugs

| NOMINAL SIZE | Go Basic | NoGo 2B | NoGo 3B |
|--------------|----------|---------|---------|
| 0-80 UNF     | .0519    | .0542   | .0536   |
| 1-64 UNC     | .0629    | .0655   | .0648   |
| 1-72 UNF     | .0640    | .0665   | .0659   |
| 2-56 UNC     | .0744    | .0772   | .0765   |
| 2-64 UNF     | .0759    | .0786   | .0779   |
| 3-48 UNC     | .0855    | .0885   | .0877   |
| 3-56 UNF     | .0874    | .0902   | .0895   |
| 4-40 UNC     | .0958    | .0991   | .0982   |
| 4-48 UNF     | .0985    | .1016   | .1008   |
| 5-40 UNC     | .1088    | .1121   | .1113   |
| 5-44 UNF     | .1102    | .1134   | .1126   |
| 6-32 UNC     | .1177    | .1214   | .1204   |
| 6-40 UNF     | .1218    | .1252   | .1243   |
| 8-32 UNC     | .1437    | .1475   | .1465   |
| 8-36 UNF     | .1460    | .1496   | .1487   |
| 10-24 UNC    | .1629    | .1672   | .1661   |
| 10-32 UNF    | .1697    | .1736   | .1726   |
| 12-24 UNC    | .1889    | .1933   | .1922   |
| 12-28 UNF    | .1928    | .1970   | .1959   |
| 12-32 UNEF   | .1957    | .1998   | .1988   |
| 1/4-20 UNC   | .2175    | .2224   | .2211   |
| 1/4-28 UNF   | .2268    | .2311   | .2300   |
| 1/4-32 UNEF  | .2297    | .2339   | .2328   |
| 5/16-18 UNC  | .2764    | .2817   | .2803   |
| 5/16-24 UNF  | .2854    | .2902   | .2890   |
| 5/16-32 UNEF | .2922    | .2964   | .2953   |
| 3/8-16 UNC   | .3344    | .3401   | .3387   |
| 3/8-24 UNF   | .3479    | .3528   | .3516   |
| 3/8-32 UNEF  | .3547    | .3591   | .3580   |
| 7/16-14 UNC  | .3911    | .3972   | .3957   |
| 7/16-20 UNF  | .4050    | .4104   | .4091   |
| 7/16-28 UNEF | .4143    | .4189   | .4178   |
| 1/2-13 UNC   | .4500    | .4565   | .4548   |
| 1/2-20 UNF   | .4675    | .4731   | .4717   |
| 1/2-28 UNEF  | .4768    | .4816   | .4804   |
| 9/16-12 UNC  | .5084    | .5152   | .5135   |
| 9/16-18 UNF  | .5264    | .5323   | .5308   |

| NOMINAL SIZE   | Go Basic | NoGo 2B | NoGo 3B |
|----------------|----------|---------|---------|
| 9/16-24 UNEF   | .5354    | .5405   | .5392   |
| 5/8- 11 UNC    | .5660    | .5732   | .5714   |
| 5/8-18 UNF     | .5889    | .5949   | .5934   |
| 5/8-24 UNEF    | .5979    | .6031   | .6018   |
| 11/16-24 UNEF  | .6604    | .6656   | .6643   |
| 3/4-10 UNC     | .6850    | .6927   | .6907   |
| 3/4-16 UNF     | .7094    | .7159   | .7143   |
| 3/4-20 UNEF    | .7175    | .7232   | .7218   |
| 13/16-20 UNEF  | .7800    | .7857   | .7843   |
| 7/8- 9 UNC     | .8028    | .8110   | .8089   |
| 7/8-14 UNF     | .8286    | .8356   | .8339   |
| 7/8-20 UNEF    | .8425    | .8482   | .8468   |
| 15/16-20 UNEF  | .9050    | .9109   | .9094   |
| 1- 8 UNC       | .9188    | .9276   | .9254   |
| 1-12 UNF       | .9459    | .9535   | .9516   |
| 1-14 UNS       | .9536    | .9609   | .9590   |
| 1-20 UNEF      | .9675    | .9734   | .9719   |
| 1 1/16-12 UNF  | 1.0084   | 1.0158  | 1.0139  |
| 1 1/16-18 UNEF | 1.0264   | 1.0326  | 1.0310  |
| 1 1/8 7 UNC    | 1.0322   | 1.0416  | 1.0393  |
| 1 1/8-12 UNF   | 1.0709   | 1.0787  | 1.0768  |
| 1 1/8-18 UNEF  | 1.0889   | 1.0951  | 1.0935  |
| 1 3/16-12 UNF  | 1.1334   | 1.1409  | 1.1390  |
| 1 3/16-18 UNEF | 1.1514   | 1.1577  | 1.1561  |
| 1 1/4- 7 UNC   | 1.1572   | 1.1668  | 1.1644  |
| 1 1/4-12 UNF   | 1.1959   | 1.2039  | 1.2019  |
| 1 1/4-18 UNEF  | 1.2139   | 1.2202  | 1.2186  |
| 1 5/16-12 UNF  | 1.2584   | 1.2659  | 1.2640  |
| 1 5/16-18 UNEF | 1.2764   | 1.2827  | 1.2811  |
| 1 3/8- 6 UNC   | 1.2667   | 1.2771  | 1.2745  |
| 1 3/8-12 UNF   | 1.3209   | 1.3291  | 1.3270  |
| 1 3/8-18 UNEF  | 1.3389   | 1.3452  | 1.3436  |
| 1 7/16- 12 UNF | 1.3834   | 1.3910  | 1.3891  |
| 1 7/16-18 UNEF | 1.4014   | 1.4079  | 1.4062  |
| 1 1/2- 6 UNC   | 1.3917   | 1.4022  | 1.3996  |
| 1 1/2-12 UNF   | 1.4459   | 1.4542  | 1.4522  |
| 1 1/2-18 UNEF  | 1.4639   | 1.4704  | 1.4687  |

