# BSP Thread Size Chart (ISO 228 and ISO 7)

*Basis: ISO 228 1 (parallel, G) and ISO 7 1 (taper, R and Rc). Whitworth 55° form: thread depth h = 0.640327 × pitch. Taper threads share the gauge plane diameters.*

instrumentationblog.in/downloads/engineering-reference-tables/bsp-thread-size-chart/

## BSP sizes

| Size | TPI | Pitch mm | Major dia mm | Minor dia mm | Pitch dia mm |
|---|---|---|---|---|---|
| 1/16 | 28 | 0.907 | 7.723 | 6.561 | 7.142 |
| 1/8 | 28 | 0.907 | 9.728 | 8.566 | 9.147 |
| 1/4 | 19 | 1.337 | 13.157 | 11.445 | 12.301 |
| 3/8 | 19 | 1.337 | 16.662 | 14.950 | 15.806 |
| 1/2 | 14 | 1.814 | 20.955 | 18.632 | 19.793 |
| 5/8 | 14 | 1.814 | 22.911 | 20.588 | 21.749 |
| 3/4 | 14 | 1.814 | 26.441 | 24.118 | 25.279 |
| 1 | 11 | 2.309 | 33.249 | 30.292 | 31.770 |
| 1 1/4 | 11 | 2.309 | 41.910 | 38.953 | 40.431 |
| 1 1/2 | 11 | 2.309 | 47.803 | 44.846 | 46.324 |
| 2 | 11 | 2.309 | 59.614 | 56.657 | 58.135 |
| 2 1/2 | 11 | 2.309 | 75.184 | 72.227 | 73.705 |
| 3 | 11 | 2.309 | 87.884 | 84.927 | 86.405 |
| 4 | 11 | 2.309 | 113.030 | 110.073 | 111.551 |

### Notes

- BSPP seals with a bonded washer or O ring, not on the thread.
- Diameters for taper threads apply at the gauge plane.

*Free download from instrumentationblog.in. Check values against the current edition of the standard for design work.*