

# Thread Chart

| DASH SIZE                     | 2       | 3       | 4       | 5        | 6        | 7        | 8        | 10        | 12        | 14        | 16         | 20           | 24           | 32       | 40      | 48       |
|-------------------------------|---------|---------|---------|----------|----------|----------|----------|-----------|-----------|-----------|------------|--------------|--------------|----------|---------|----------|
| NPTF Pipe Thread              | 1/8-27  |         | 1/4-18  |          | 3/8-18   |          | 1/2-14   |           | 3/4-14    |           | 1-11-1/2   | 1-1/4-11-1/2 | 1-1/2-11-1/2 | 2-11-1/2 | 2-1/2-8 | 3-8      |
| NPSM Swivel Thread            | 1/8-27  |         | 1/4-18  |          | 3/8-18   |          | 1/2-14   |           | 3/4-14    |           | 1-11-1/2   | 1-1/4-11-1/2 | 1-1/2-11-1/2 | 2-11-1/2 |         |          |
| JIC 37° Flare Thread          | 5/16-24 | 3/8-24  | 7/16-20 | 1/2-20   | 9/16-18  |          | 3/4-16   | 7/8-14    | 1-1/16-12 | 1-3/16-12 | 1-5/16-12  | 1-5/8-12     | 1-7/8-12     | 2-1/2-12 | 3-12    | 3-1/2-12 |
| SAE 45° Flare Thread          | 5/16-24 | 3/8-24  | 7/16-20 | 1/2-20   | 5/8-18   | 11/16-16 | 3/4-16   | 7/8-14    | 1-1/16-14 |           |            |              |              |          |         |          |
| SAE O-Ring Thread             | 5/16-24 | 3/8-24  | 7/16-20 | 1/2-20   | 9/16-18  |          | 3/4-16   | 7/8-14    | 1-1/16-12 | 1-3/16-12 | 1-5/16-12  | 1-5/8-12     | 1-7/8-12     | 2-1/2-12 |         |          |
| Flat-Face Thread              |         | 9/16-18 |         | 11/16-16 |          | 13/16-16 | 1-14     | 1-3/16-12 |           | 1-7/16-12 | 1-11/16-12 | 2-12         |              |          |         |          |
| Inverted Flare Thread         | 5/16-28 | 3/8-24  | 7/16-24 | 1/2-20   | 5/8-18   | 11/16-18 | 3/4-18   | 7/8-18    | 1/16-16   |           |            |              |              |          |         |          |
| Compression Thread            | 5/16-24 | 3/8-24  | 7/16-24 | 1/2-24   | 9/16-24  | 5/8-24   | 11/16-20 | 13/16-18  | 1-18      |           |            |              |              |          |         |          |
| Code 61 Flange Head O.D.      |         |         |         |          |          |          | 1.19     | 1.34      | 1.50      |           | 1.75       | 2.00         | 2.38         | 2.81     | 3.31    | 4.00     |
| Code 62 Flange Head O.D.      |         |         |         |          |          |          | 1.25     |           | 1.62      |           | 1.88       | 2.12         | 2.50         | 3.12     |         |          |
| BSPP Thread                   | 1/8-28  |         | 1/4-19  |          | 3/8-19   |          | 1/2-14   | 5/8-14    | 3/4-14    |           | 1-11       | 1-1/4-11     | 1-1/2-11     | 2-11     |         |          |
| BSPT Thread                   | 1/8-28  |         | 1/4-19  |          | 3/8-19   |          | 1/2-14   | 5/8-14    | 3/4-14    |           | 1-11       | 1-1/4-11     | 1-1/2-11     | 2-11     |         |          |
| Japanese Pipe Tapered Thread  | 1/8-28  |         | 1/4-19  |          | 3/8-19   |          | 1/2-14   | 5/8-14    | 3/4-14    |           | 1-11       | 1-1/4-11     | 1-1/2-11     | 2-11     |         |          |
| Japanese Flare Thread         | 1/8-28  |         | 1/4-19  |          | 3/8-19   |          | 1/2-14   | 5/8-14    | 3/4-14    |           | 1-11       | 1-1/4-11     | 1-1/2-11     | 2-11     |         |          |
| Copper/Nylon Air Brake Thread |         |         | 7/16-24 |          | 17/32-24 |          | 11/16-20 | 13/16-18  | 1-18      |           |            |              |              |          |         |          |

| METRIC (mm) | 8     | 10     | 12      | 14      | 16      | 18      | 20      | 22      | 24      | 26      | 30      | 33      | 36      | 42      | 45      | 52      |
|-------------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Whitworth   | 8X1.0 | 10X1.0 | 12X1.5  |         | 16X1.5  | 18X1.5  |         | 22X1.5  |         |         |         |         |         |         |         |         |
| MDL         |       |        | M12X1.5 | M14X1.5 | M16X1.5 | M18X1.5 |         | M22X1.5 |         | M26X1.5 | M30X2.0 |         | M36X2.0 |         | M45X2.0 | M52X2.0 |
| MDH         |       |        |         |         | M16X1.5 | M18X1.5 | M20X1.5 |         | M24X1.5 |         | M30X2.0 |         | M36X2.0 | M42X2.0 | M45X2.0 | M52X2.0 |
| Komatsu     |       |        |         |         |         | M18X1.5 |         | M22X1.5 | M24X1.5 |         | M30X1.5 | M33X1.5 | M36X1.5 | M42X1.5 |         |         |
| French      |       |        |         |         |         |         | M20X1.5 |         | M24X1.5 |         | M30X1.5 |         | M36X1.5 |         | M45X1.5 | M52X1.5 |