Thread Symbol List

1. UNC

- Unified National Coarse

- A coarse thread standard in the Unified Thread Series, used primarily in North America. Example: 1/4"-20 UNC.

2. UNF

- Unified National Fine

- A finer pitch thread than UNC, providing better strength in certain materials. Example: 1/4"-28 UNF.

3. UNEF

- Unified National Extra Fine

- An even finer pitch than UNF, used for specialized applications requiring closer tolerances. Example: 3/8"-32 UNEF.

4. ISO Metric (M)

- International Standard Metric Thread

- Used globally, metric thread designations include diameter and pitch in millimeters. Example: M10x1.5 (10 mm diameter, 1.5 mm pitch).

5. NPT

- National Pipe Tapered

- A U.S. standard for tapered threads used in pipe fittings for sealing applications. Example: 1/2" NPT.

6. BSP

- British Standard Pipe

- Standard pipe thread used in the UK and some other countries. Includes both tapered (BSPT) and parallel (BSPP) versions. Example: 1/2" BSPT.

7. Acme Thread

- A trapezoidal thread form used in lead screws for machinery. Provides strength and wear resistance. Example: 1"-5 ACME.

8. Buttress Thread

- A thread form used in applications that experience heavy axial loads in one direction. Common in hydraulic systems.

9. LH

- Left-Hand Thread

- Indicates a thread that tightens counterclockwise, opposite to the more common right-hand thread. Example: M10x1.5 LH.

10. Trapezoidal (Tr)

- A thread form similar to ACME but primarily used in Europe for power transmission. Example: Tr20x4 (20 mm diameter, 4 mm pitch).

11. G

- British Standard Pipe Parallel (BSPP)

- A parallel thread used in sealing with a washer or an O-ring. Example: G1/4".

12. DIN

- Threads that conform to German Institute for Standardization (Deutsches Institut für Normung) standards. Example: DIN 13 (ISO metric thread standard).

13. S

- Stub Acme

- A variant of the ACME thread with a reduced height for limited space applications. Example: Stub Acme 1"-4.

14. Pg

- Panzergewinde (German Conduit Thread)

- Used for electrical conduit threads in Europe. Example: Pg 16.

15. BSW

- British Standard Whitworth

- A British thread standard with a 55° thread angle. Example: 1/2" BSW.