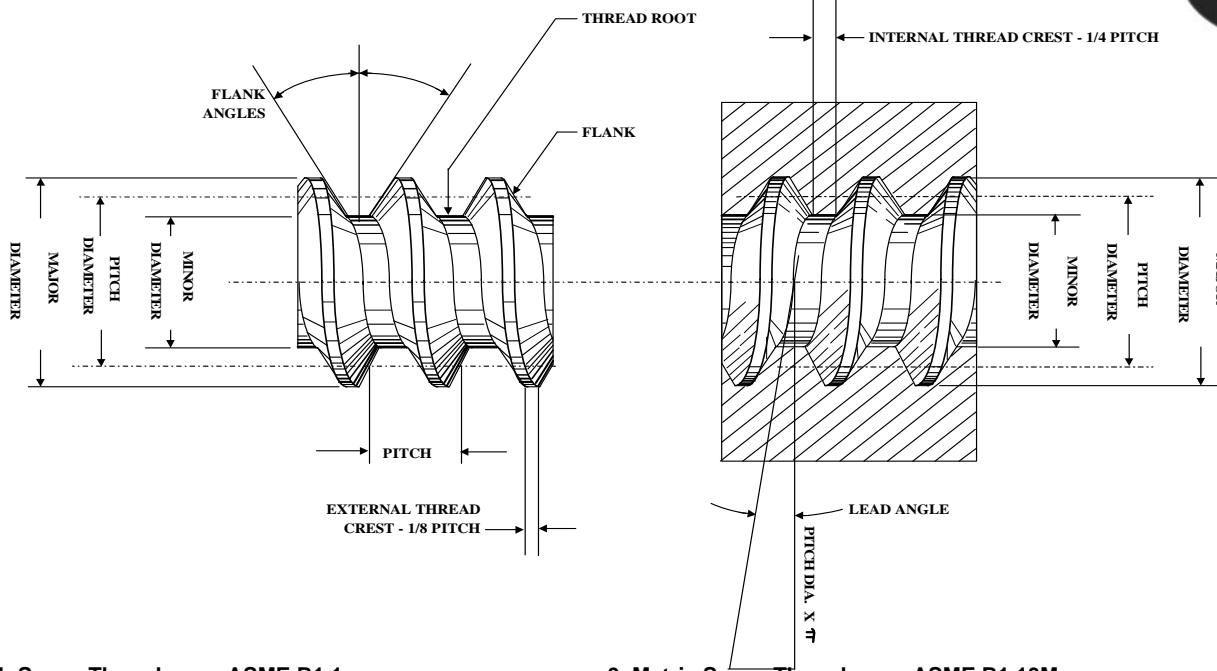


# BASIC SCREW THREAD DESIGNATIONS

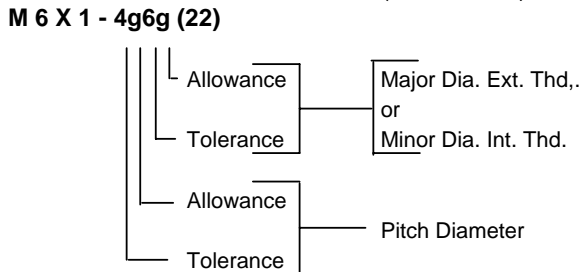
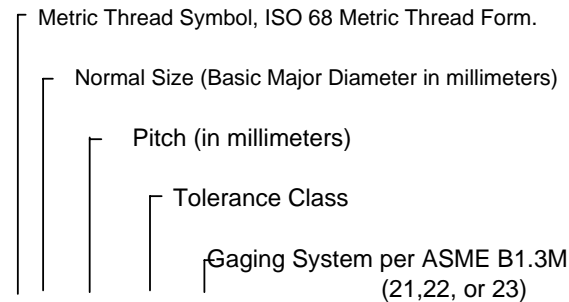
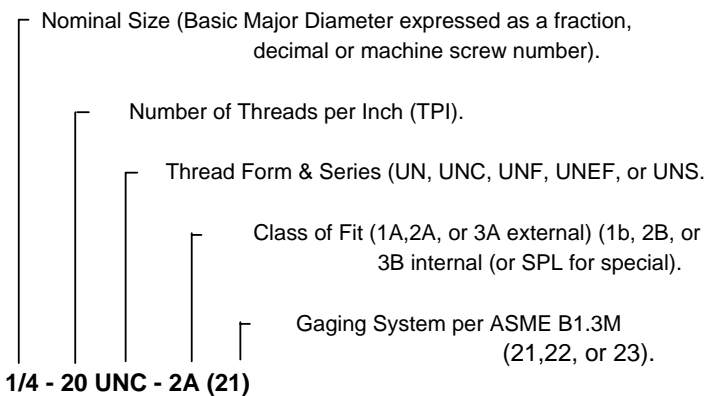


These simplified drawings of an external and internal thread will illustrate basic thread geometry. They make it possible to visualize the critical dimensions which must be controlled for correct thread form.

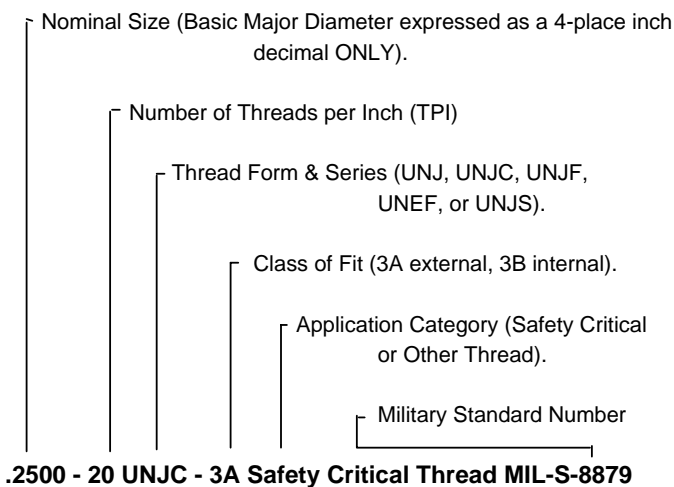


**1. Unified Inch Screw Threads: per ASME B1.1  
Federal Std H28/2  
Military Std MIL-S-7742D**

**3. Metric Screw Threads: per ASME B1.13M,  
Federal Std H28/21**



**2. Inch "J" Series Screw Threads: per Military Standard  
MIL-S-8879C (25 July 1991).**



Standard Allowance Grades:  
Internal Threads G and H shown as capital letter.  
External Threads e, f, g and h shown as lower case letter.

Standard Tolerance Grades:  
Internal Threads  
Pitch and Minor Diameter 4, 5, 6, 7 and 8.

External Threads  
Pitch Diameter 3, 4, 5, 6, 7, 8 and 9.  
Major Diameter 4, 6 and 8.

The most common tolerance and allowance Grades for standard series threads are shown in **bold print**.