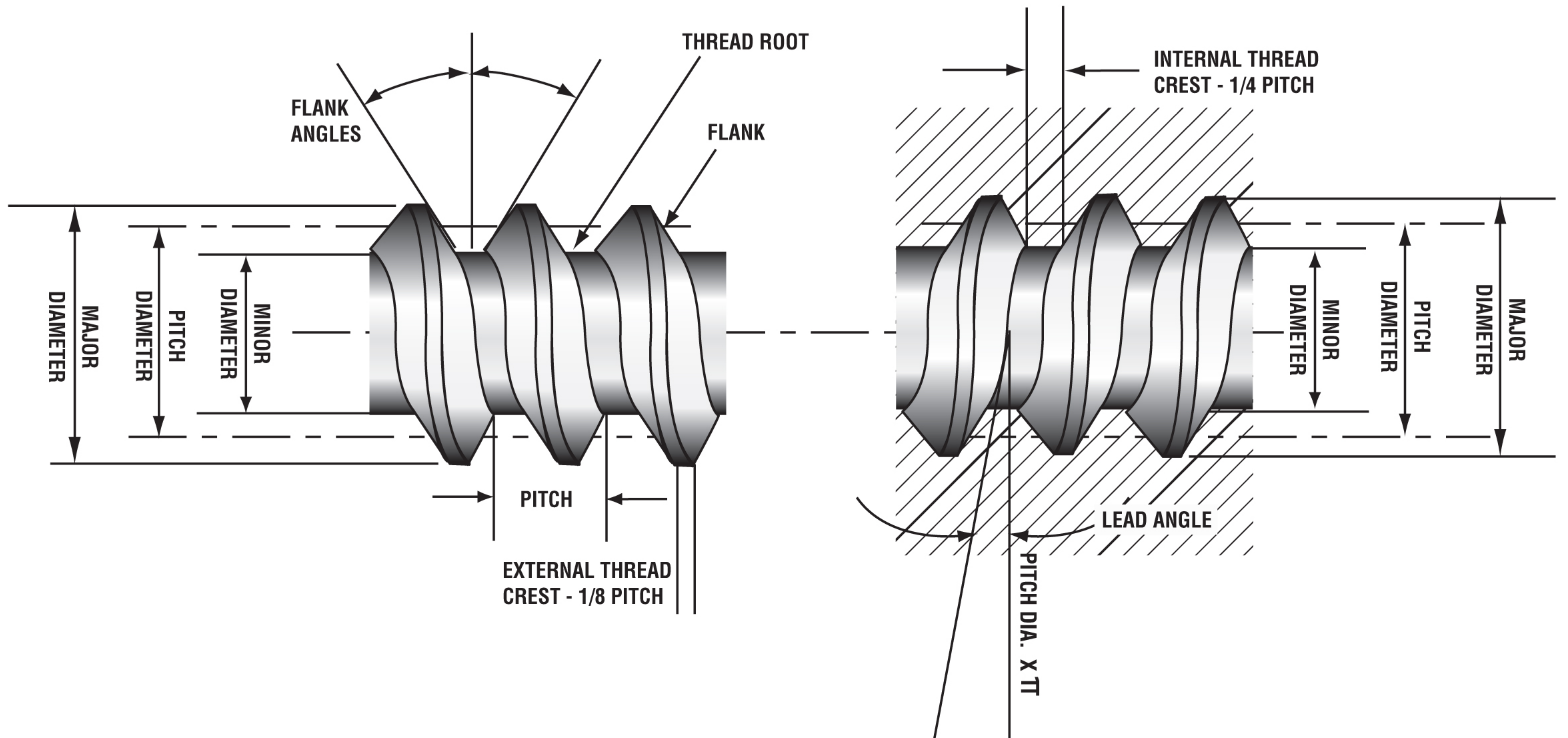


BASIC SCREW THREAD DESIGNATIONS

External and internal thread diagrams illustrate basic thread geometry.



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

Nominal Size-Basic Major Diameter*			
Number of Threads Per Inch (TPI)			
Thread Form & Series (UN,UNC,UNF,UNEF,UNS)			
Class of Fit**			
Gaging System per ASME B1.3M			
1/2 - 20	UNF - 2A	(21)	(21, 22, or 23)

*Decimal or machine screw number.

**1A,2A, or 3A external (1B, 2B or 3B internal) or (SPL for specials).

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

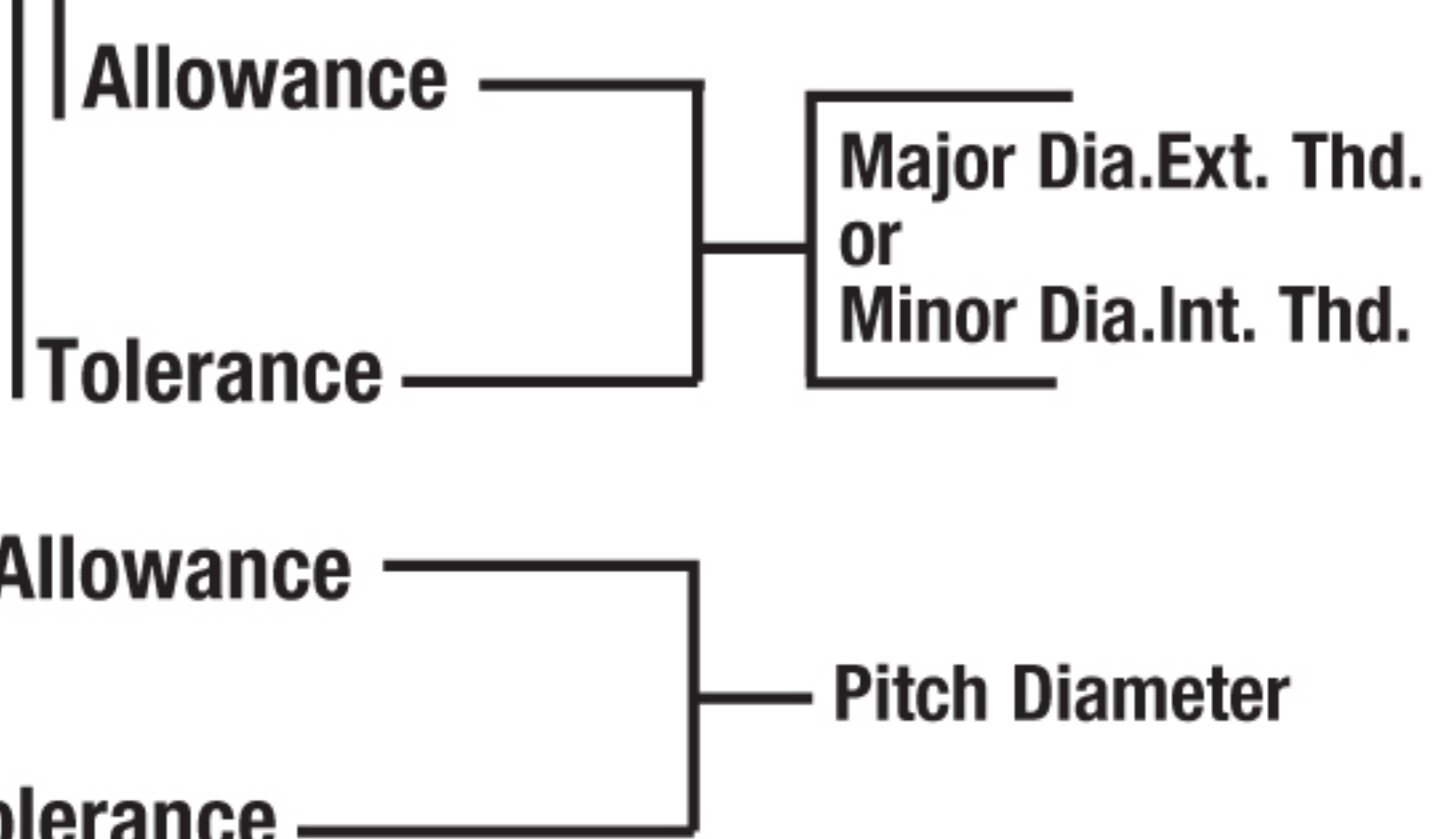
Nominal Size-Basic Major Diameter*			
Number of Threads Per Inch (TPI)			
Thread Form & Series**			
Class of Fit (3A ext., 3B int.)			
Application Category***			
Safety Critical Thread			
Military Standard Number			
.1500 - 20	UNJF - 3A		Mil-S-8870

*Expressed as a 4-place inch decimal ONLY.

**UNJ, UNJC, UNJF, UNEF, UNJS.

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

Metric Thread Symbol,ISO 68 Metric Thread Form			
Normal Size(Basic Major Dia. in millimeters)			
Pitch (in millimeters)			
Tolerance Class			
Gaging System per ASME B1.3M			
M	8 x 1 - 4g6g	(22)	(21, 22, or 23)



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

Internal Tolerances 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.