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HANDBOOK H28 (1969)  
SCREW-THREAD STANDARDS  
FOR FEDERAL SERVICES

PART I  
UNIFIED  
UNJ  
UNIFIED MINIATURE  
SCREW THREADS



NBS Handbook H28 (1969)

Superseding H28 (1957) Part I and that applicable to Part I in the 1963 Supplement to H28

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TABLE 1.8. Thread series designations<sup>a,b</sup>

Designation	Thread series	Reference	
		United States of America (USA) Standard	H28
ACME-C	Acme threads, centralising	B1.5	Part III
ACME-G	Acme threads, general purpose (See also "Stub Acme")	B1.5	Part III
AMO	Microscope Objective threads	B1.11	Part III
ANPT	Aeronautical National form taper pipe threads	MIL-P-7105	
F-PTF	Dryseal (fine) taper pipe threads	B2.2	Part II
M	ISO metric threads		Part III
N BUTT	Buttress threads	B1.9	Part III
N, NC, NF, NEF	See table 1.8a		
NGO (b)	<i>Gas Cylinder Valve Outlet and Inlet Threads:</i> Gas outlet threads	B57.1	Part II
NGS	Gas straight threads		
NGT	Gas taper threads		
SGT	Special gas taper threads		
NH, NPSH	Hose coupling threads	B2.4	Part II
NH	Fire-hose coupling threads		Part II
ANPT	<i>Pipe Threads (except Dryseal):</i> Aeronautical National form taper pipe threads	MIL-P-7105	
NPSC	Straight pipe threads in pipe couplings		
NPSL	Straight pipe threads for loose-fitting mechanical joints with locknuts	B2.1	Part II
NPSM	Straight pipe threads for free-fitting mechanical joints for fixtures		
NPT	Taper pipe threads for general use		
NPTR	Taper pipe threads for railing joints		
F-PTF	<i>Dryseal Pipe Threads:</i> Dryseal (fine) taper pipe threads	B2.2	Part II
NPSF	Dryseal fuel internal straight pipe threads		
NPSI	Dryseal intermediate internal straight pipe threads		
NPTF	Dryseal taper pipe threads		
PTF-SAE, SHORT	Dryseal SAE short taper pipe threads		
PTF-SPL, SHORT	Dryseal special short taper pipe threads		
PTF-SPL, EXTRA SHORT	Dryseal special extra short taper pipe threads		
SPL-PTF	Dryseal special taper pipe threads		
NR, NS	See table 1.8a		
SGT	Special gas taper threads	B57.1	Part II
SPL-PTF	See under "Dryseal pipe threads"		
STUB ACME	Stub Acme threads	B1.8	Part III
UN series	Surveying instrument mounting threads		Part III
UNJ series	See table 1.8a (0.06 in. (1.5 mm) and larger)		
UNM series	See table 1.8a (0.06 in. (1.5 mm) and larger)		
UNM	Unified Miniature thread series (0.055 in. (1.4 mm) and smaller)	B1.10	Section 5

<sup>a</sup> Methods of designating multiple threads are shown in USA B1.5, Acme screw threads, and Part III of Handbook H28.  
<sup>b</sup> All threads, except NGO, are right hand unless otherwise designated. For NGO threads, designations "RH" or "LH" are required.

TABLE 1.8a. Designations for UN, UNJ, N, NR thread series

Basic thread series	External thread root	Constant pitch	Coarse	Fine	Extra fine	Special diameters, pitches, or lengths of engagement	Reference	
							United States of America (USA) Standard	H28
UN	With optional radius root on external thread.	UN	UNC	UNF	UNEF	UNS	B1.1 B1.1	Section 2 Section 3
UNJ	With 0.15011p to 0.18042p mandatory radius root on external thread.	UNJ	UNJC	UNJF	UNJEF	UNJS		Section 4
N <sup>a</sup>		N	NC	NF	NEF	NS		Appendix A1
NR		NR					MIL-B-7838	

<sup>a</sup> This series superseded by UN series.