

MANUAL OF TERMINOLOGY AND ABBREVIATIONS

Producers and end users of mechanical fasteners have both felt it necessary over the years to adopt *abbreviations* for their own application on drawings, orders, invoices, stock lists, and other records. The standardization and implementation of such abbreviations serves to prevent confusion in procurement functions while reducing production costs.

This Manual of Terminology and Abbreviations for order-entry and in-plant use by both fastener manufacturers and end users expands/updates earlier versions developed by the Industrial Fasteners Institute. This new edition by no means covers the complete universe of fastener "linguistics," . . . only a basic listing of standard terms, some specials, along with descriptive call-outs for raw materials, platings and popular manufacturing processes.

Representatives of industry are encouraged to submit to the IFI additional nomenclature suited for inclusion in future revisions of this Manual.

To promote uniformity in communications, products conforming to published standards should be designated in accordance with industry accepted practice. A recommended call-out sequence for designating fastener features is tabulated below –

EXAMPLES

RECOMMENDED SEQUENCE OF CALL-OUT	TERM	ABBREVIATION
1. Product type	Screw	SC
2. Mechanical or material specification	Grade 5	Gr 5
3. Diameter	1/4	1/4
4. Thread pitch, type and fit	28 UNC-2A	28 UNC-2A
5. Length	1-1/4	1-1/4
6. Gaging System	22	22
7. Head/nut style	Pan Head	PN
8. Point	Dog Point	DOG PT
9. Drive	Phillips	CR-1
10. Assembly	Sems	SEMS
11. Locking feature	External Tooth Lock Washer	XT L/W
12. Finish	Zinc Plated	ZP
13. Pack	Drum	DR
14. Miscellaneous	Across Corners	A/C

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Case examples for designation of common fastener product adhering (in numeric order) to the 14 sequenced groups listed on page 1 –

1. **Tapping Screw**

T/S, J933, 1/4-14, AB, 1¼, PN, CR-I, CRP, KRFT CTN

2. **Hex Cap Screw**

CAP SC, Gr 8, 3/8-16, UNC-2A, 1½, 21, HX, XT L/W SC, ZP, DR

or in metric:

CAP SC, PC9.8, M × 1.25, 4g 6g, 30, 21, HX, XT L/W SC, ZP, DR

NOTE: When writing inch series dimensions, use spaces before and after the "×".

When writing metric dimensions, omit spaces before and after the "×".

3. **Sems**

SEMS, Gr 5, 1/4-28, UNF-2A, 1-1/4, 21, TRUSS, Type H REG WSR CAD, BLK, QKEG

4. **Nut**

NT, A194-7M, 3/4-10 UNC-3A, 21, HX, CAD, KEG

or in metric:

NT, A563M PC10, M10 × 1.5 5H6H, 21, HX, STYLE 1, BLU, MTL CAN

5. **Washer**

WSR, F436, 5/16, F, ZPD, CSE

TERMINOLOGY AND ABBREVIATIONS

1. TERMS RELATED TO PRODUCT TYPE

TERM	ABBREVIATION		COMMENT
	PREFERRED	SHORT	
ACCCULOAD (TM) BOLT	ACCCULOAD BOLT	ACC BLT	
ACORN	ACORN	ACORN	
BARREL	BAR	BAR	
BATTERY	BTRY	BTRY	
BELT	BELT	BELT	
BEND/BENT	BEN	BEN	

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1. TERMS RELATED TO PRODUCT TYPE (continued)

TERM	ABBREVIATION		COMMENT
	PREFERRED	SHORT	
BEVELED	BEV	BV	
BINDING	BIND	BIND	
BLIND RIVET	BLD	BLD	
BOLT	BOLT	BLT	
CAP	CAP	CAP	
CARRIAGE	CGE	CGE	
CASTELLATED	CASTEL	CAS	
CIRCULAR	CIR	CIR	
CLEVIS PIN	CLV PIN	CLV	
CLIPPED	CLIP	CLIP	
COOPER'S	COOP	COOP	
COTTER PIN	COT PIN	COT	
DERRICK	DERK	DERK	
DOWEL PIN	DOWEL	DWL	
DRYWALL	DRY	DRY	
ELEVATOR	ELEV	ELEV	
ELLIPSE (ELLIPTIC)	ELLIP	ELLIP	
EYE BOLT TYPE X STYLE Y	EB-XY	EB-XY	Specify type and style for X and Y, respectively
FIN NECK	FINK	FINK	
FINISHED	FIN	FIN	
FITTING UP	FIT	FIT	
FLANGE	FLANGE	FLG	
FLAT	FLAT	FL	
FORGED	FD	FD	
FULL SIZE BODY (WAS CUT THREAD)	FB	FB	
GROOVED PIN	GRV PIIN	GRV	
HEX	HEX	HX	
HOOK BOLT	HOOK	HK	
J BOLT	J	J	
JAM	JAM	JM	
JOINT	JNT	JNT	

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1. TERMS RELATED TO PRODUCT TYPE (continued)

TERM	ABBREVIATION		COMMENT
	PREFERRED	SHORT	
KNIFE	KNF	KNF	
KNURLED	KNLD	KNLD	
LAG	LAG	LAG	
MACHINE SCREW	MACH SC	M/S	
NUT	NUT	NT	
PIN	PIN	PIN	
PLAIN	PL	PL	
PLAIN WASHER (TYPE)	PLW/X	PLW/X	
PLOW BOLT (TYPE)	#_PLW	#_PLW	
REPAIR HEAD	REP	REP	
RIBBED	RIB	RIB	
RIVET	RVET	RV	
ROUND	RD	R	
SCREW	SC	SC	
SELF DRILLING TYPE BSD	SDBSD	SDBSD	
SELF DRILLING TYPE CSD	SDCSD	SDCSD	
SEMI-TUBULAR	SMI-TUB	SMI-TUB	
SET SCREW	SET SC	SET SC	
SHORT SQUARE NECK	SH SQ NK	SHSQ	
SHOULDER	SHLDR	SLDR	
SOCKET	SOCKET	SOC	
SPLINE	SPLN	SPLN	
SPRING PIN	SPR PIN	SPR	
SQUARE	SQ	SQ	
SQUARE FLO(R)	S/F	S/F	
STEP	STEP	STEP	
STRUCTURAL	STRUCT	STRC	
STUD DOUBLE END	STDE	STDE	
STUD CONTINUOUS THREAD	SDCT	SDCT	
SWAGEFORM(R)	S/W	S/W	
TANK	TNK	TNK	

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1. TERMS RELATED TO PRODUCT TYPE (continued)

TERM	ABBREVIATION		COMMENT
	PREFERRED	SHORT	
TAPER PIN	TAP PIN	TAPIN	
TAPPING SCREW TYPE	XX T/S	XX T/S	Designate type for XX
TAPTITE(R)	T/T	T/T	
THREAD CUTTING SCREW TYPE	XX T/S	XX T/S	Designate type for XX
THREAD FORMING SCREW TYPE	XX T/S	XX T/S	Designate type for XX
THREAD ROLLING SCREW TYPE	XX T/S	XX T/S	Designate type for XX
THUMB SCREW	THB SC	THB SC	
TINNER'S	TIN	TIN	
TOWER	TOWER	TWR	
TRACK	TRK	TRK	
U-BOLT	U	U	
UNDERSIZE BODY (WAS ROLLED THREAD)	UB	UB	
WASHER	WASHER	WSR	
WELD	WELD	WELD	
WING TYPE X	X WNG	X WNG	Specify type for X
WOOD	WOOD	WOOD	

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2. TERMS RELATED TO MECHANICAL/MATERIAL SPECIFICATION

TERM	ABBREVIATION		COMMENT
	PREFERRED	SHORT	
ACRYLIC	ACRY	ACRY	
ALLOY	ALLOY	ALY	
ALUMINUM	ALUM	AL	
AMER SOC FOR TESTING & MTL	ASTM	ASTM	
ANNEALED	ANNEAL	ANL	
ASTM A31 GRADE X	A31-X	A31-X	Specify Grade for X
ASTM A65 GRADE X	A65-X	A65-X	Specify Grade for X
ASTM A183 GRADE X	A183-X	A183-X	Specify Bolt/Nut Grade for X
ASTM A193/M GRADE XXXXXX	A193-XXXXXX	A193-XXXXXX	Specify Grade for XXXXXX
ASTM A194/M GRADE XXXXX TYPE Y	A194-XXXXX-Y	A194-XXXXX-Y	Specify Grade for XXXXX and Type for Y
ASTM A307 GRADE X	A307-X	A307-X	Specify Grade for X
ASTM A320 GRADE XXXXXX	A320-XXXXXX	A320-XXXXXX	Specify Grade for XXXXXX
ASTM A325 TYPE Y	A325-Y	A325-Y	Specify Type for Y
ASTM A325M TYPE Y	A325M-Y	A325M-Y	Specify Type for Y
ASTM A354 GRADE XX	A354-XX	A354-XX	Specify Grade for XX
ASTM A394 TYPE Y	A394-Y	A394-Y	Specify Type for Y
ASTM A437/M GRADE XXX	A437-XXX	A437-XXX	Specify Grade for XXX
ASTM A449 TYPE Y	A449-Y	A449-Y	Specify Type for Y
ASTM A453/M GRADE XXX CLASS Y	A453-XXX-Y	A453-XXX-Y	Specify Grade for XXX and Class for Y
ASTM A489 TYPE Y	A489-Y	A489-Y	Specify Type for Y
ASTM A490 TYPE Y	A490-Y	A490-Y	Specify Type for Y
ASTM A490M TYPE Y	A490M-Y	A490M-Y	Specify Type for Y
ASTM A502 GRADE X CLASS Y	A502-X-Y	A502-X-Y	Specify Grade for X and Class for Y
ASTM A540/M GRADE XXXX CLASS Y	A540-XXXX-Y	A540-XXXX-Y	Specify Grade for XXXX and Class for Y
ASTM A563 GRADE XXX CLASS Y	A563-XXX-Y	A563-XXX-Y	Specify Grade for XXX and Class for Y
ASTM A563M PR CL XXXX STEEL AN Y	A563M-XXXX-Y	A563M-XXXX-Y	Specify Property Class for XXXX and Steel Analysis for Y
ASTM A574	A574	A574	

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