

# Fabrication Terms to Know

May 24, 2018

+/-	Plus or minus	ksi	Thousand Pounds per inch
A307	Bolt Grade soft	LGTH	Length
A325N	Bolt Grade Hard-Included	LH	Left Hand threading
A325X	Bolt Grade Hard-Included	MH	Masonry Holes
A36	Grade pl/L's/Channels	NC	National Course threading
A53	Grade of Pipe	NF	National Fine threading
A992	Grade of Steel Bms	NS	Near Side
ABLT	Anchor Bolt	OD	Outside Diameter
AXX	Bolts EMP doesn't Provide	OPP HND	Opposite Hand
CAMBER	Bending the hard way	PL	Plate
CL	Centerline	PLS	Plates
CL/CL	Centerline to Centerline Dim	PUNCH	Punch
CNTRSNK	Countersink	RH	Right Hand threading
CUT	Cut	SCH 10	Thin pipe - check book
DIA	Diameter	SCH 40	Standard pipe - check book
DIE	An Outside threading tool	SCH80	Heavy pipe - check book
E70XX	70ksi Welding Media	SHOP BOLTS	Shop bolts
EASY WAY	Bending in the "Y" direction	SLOT	slot the holes
ELV	Elevation	SP06	Sand Blast
fb	flat bar	SP10	Sand Blast to a near white
FD	Field Dim	SQ	Square
FS	Far Side	SWEEP	See diagram
GA	Distance from hole-to-hole	TAP	An Inside threading tool
GA	Distance from edge-to-hole.	TYP	Typical
HARD WAY	Bending in the "X" direction	UN	Unless Noted
HSS	Square or Rectangular Tube	VIF	Verify in Field
ID	Inside Diameter	W.P.	Work Point
IPS	Iron Pipe Size	WH	Wood Holes
k	The radius on rolled parts		

## Fabrication Tolerance

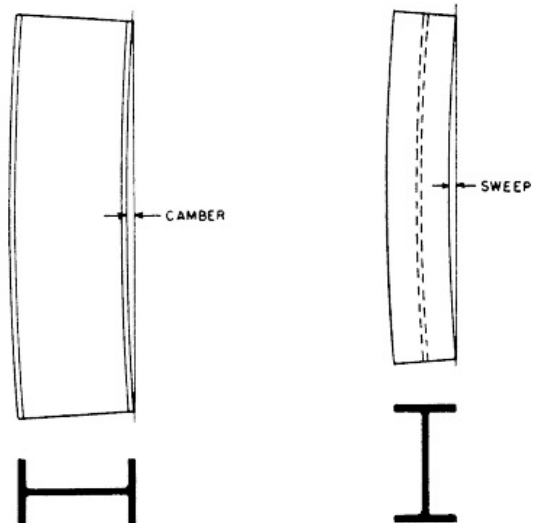
All Bolts must fit!

**Length** 0' - 10' +/- 1/16  
 10' - 45' +/- 1/8

## Limits to Sweep and Camber

Generally the Maximum is . . .

45' or under = (1/8" x feet/10) with a max of 3/8"  
 45' and above = (3/8 + [1/8" x {Length - 45'/10}])



## Finishes that our Products may receive.

May 24, 2018

Prime RED

Prime Gray

Prime Black

SP06 + E - Sand Blast to remove all mill scale then paint with special Epoxy

SP10 + E - Sand Blast to near white and then paint with a special Epoxy

Anodize Clear

Anodize SPL - Anodize aluminum to a special color

Galvanized - You will need to add special vent holes in hollow material

G60 - The thickness of the galvanizing on thin sheet metal

No Paint

PBG / Powder - Black - G = Powder coat Black GLOSS

PBT / Powder - Black - T = Powder coat Black TEXTURE

PBS / Powder - Black - S = Powder coat Black SATIN

PWG / Powder - White - G = Powder coat White GLOSS

PWS / Powder - White - S = Powder coat White SATIN

PSPL = Powder Coat Special

Zinc = Zinc Plate the part, not galvanize

BIT - Spray on a bituminous coat of paint - black and tar like paint