

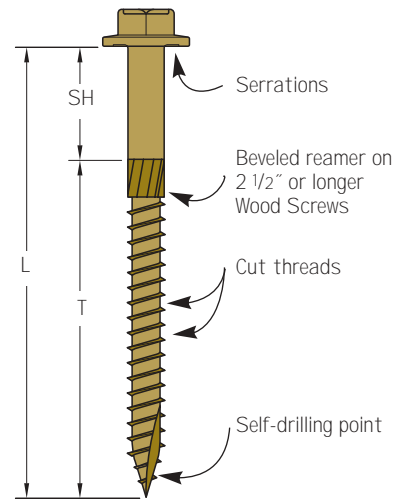
The WS Wood Screw is a self-drilling screw used for numerous framing applications. This screw features a reverse locking serration on the bottom of the screw head to prevent over tightening against a steel plate which could cause the screw head to shear off. The USP head stamp identifies screws for easy inspection.

Screw shear capacities are based on a diameter of 0.242" when the shear plane is on the screw shank (SH) and 0.185" when the shear plane is on the knurl or threads (T). USP WS Wood Screws have a bending yield strength of 217,000 psi. For conditions not charted here, screw loads may be calculated as shown in the NDS® and increased for duration of load.

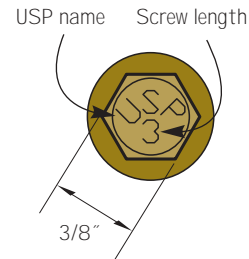
- Materials:** 1/4" diameter Grade 5 steel
- Finish:** Yellow zinc dichromate
- Codes:** ICBO 5634, L.A.City RR 25433

Installation:

- Screws are self-drilling.
- Install using a low speed clutch drill with 3/8" hex head driver. The washer head should be flat to the surface and the serrations will oppose turning and release the clutch. Do not over-tighten the screws.



For Attaching Multi-Ply Wood Trusses or LVL or PSL members, or floor trusses, see pages 19-21.



USP Stock No.	Ref. No.	Description	Dimensions			Finish ^{1,5}	DF-L / SP ^{2,4}				S-P-F ^{2,4}					
			L	SH	T		Wood to Wood (DF-L to DF-L)	Steel to Wood				Wood to Wood (S-P-F to S-P-F)	Steel to Wood			
								12 Gauge	10 Gauge	7 Gauge	3 Gauge		12 Gauge	10 Gauge	7 Gauge	3 Gauge
WS15	SDS1/4x1 1/2	1/4" x 1-1/2"	1-1/2"	1/4"	1-1/4"	Zinc	--	251	248	244	243	--	217	214	211	211
WS17	SDS1/4x1 3/4	1/4" x 1-3/4"	1-3/4"	1/4"	1-1/2"	Zinc	--	296	293	290	292	--	255	253	251	253
WS2	SDS1/4x2	1/4" x 2"	2"	1/2"	1-3/4"	Zinc	--	304	306	313	327	--	262	264	271	284
WS25	SDS1/4x2 1/2	1/4" x 2-1/2"	2-1/2"	3/4"	2-1/4"	Zinc	177	304	306	313	327	137	262	264	271	284
WS3	SDS1/4x3	1/4" x 3"	3"	3/4"	2-1/4"	Zinc	229	304	306	313	327	177	262	264	271	284
WS35	SDS1/4x3 1/2	1/4" x 3-1/2"	3-1/2"	1"	2-3/4"	Zinc	229	304	306	313	327	177	262	264	271	284
WS4	--	1/4" x 4"	4"	1-1/4"	2-3/4"	Zinc	229	304	306	313	327	177	262	264	271	284
WS45	SDS1/4x4 1/2	1/4" x 4-1/2"	4-1/2"	1-1/2"	2-15/16"	Zinc	272	304	306	313	327	216	262	264	271	284
WS6	SDS1/4x6	1/4" x 6"	6"	1-3/4"	4-1/4"	Zinc	272	304	306	313	327	216	262	264	271	284

1) Zinc = Yellow zinc dichromate.
 2) Allowable loads are based on the 1997 NDS®. Light Gauge or 3 Gauge loads given assume use with metal side plates, Fes = 45 ksi.
 3) Wood-to-wood loads are based on 1-1/2" thick wood side members.
 4) Loads are for 100% duration of load factors, and may be increased for other duration factors in accordance with the NDS.