

# Structural Wood Screws

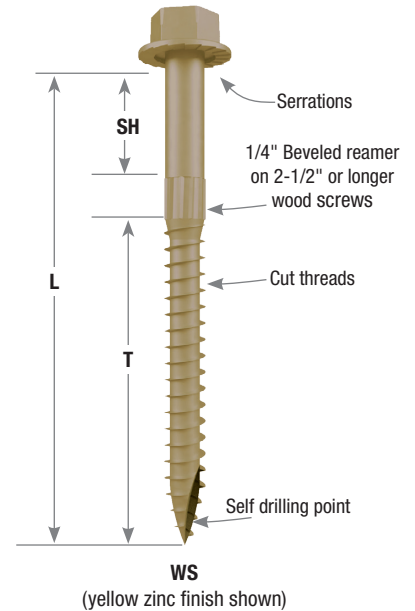
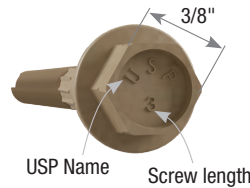


## WS Series

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 help prevent over tightening against a steel plate. The USP head stamp identifies screws for easy inspection.

### Features and Benefits

- No predrilling required
- 1/4" diameter multi-purpose structural wood screw
- Interior and Exterior Coatings
  - Yellow Zinc
  - Hot-Dip Galvanized
  - Gold Coat
- Factored resistance values in accordance with CSA 086-14 Clause 12.11



Size		USP Stock No.	Dimensions (in)			Unit	DF Factored Shear Resistance				S-P-F Factored Shear Resistance					
in	mm		L	SH	T		Wood to Wood	Steel to Wood				Wood to Wood	Steel to Wood			
							(DF to DF)	14 Gauge	10 Gauge	7 Gauge	3 Gauge	(S-P-F to S-P-F)	14 Gauge	10 Gauge	7 Gauge	3 Gauge
								100%	100%	100%	100%		100%	100%	100%	100%
1/4 x 1-1/2	6.1 x 38	WS15	1-1/2	1/4	1-1/4	Lbs	--	358	496	660	807	--	332	471	635	692
						kN	--	1.59	2.21	2.93	3.59	--	1.48	2.09	2.83	3.08
1/4 x 2	6.1 x 50.8	WS2	2	1/4	1-3/4	Lbs	--	423	561	724	1031	--	387	526	691	900
						kN	--	1.88	2.49	3.22	4.58	--	1.72	2.34	3.07	4.00
1/4 x 2-1/2	6.1 x 63.5	WS25	2-1/2	1/4	2	Lbs	323	487	625	789	1031	277	443	582	746	900
						kN	1.44	2.17	2.78	3.51	4.58	1.23	1.97	2.59	3.32	4.00
1/4 x 3	6.1 x 76.2	WS3	3	3/4	2	Lbs	387	552	690	853	1031	332	498	637	801	900
						kN	1.72	2.46	3.07	3.80	4.58	1.48	2.21	2.83	3.56	4.00
1/4 x 3-1/2	6.1 x 88.9	WS35	3-1/2	3/4	2-1/2	Lbs	452	616	754	918	1031	387	553	692	857	900
						kN	2.01	2.74	3.36	4.08	4.58	1.72	2.46	3.08	3.81	4.00
1/4 x 4-1/2	6.1 x 114.3	WS45	4-1/2	1-1/4	3	Lbs	543	680	825	997	1031	480	618	763	890	900
						kN	2.42	3.02	3.67	4.44	4.58	2.14	2.75	3.40	3.96	4.00
1/4 x 5	6.1 x 127	WS5	5	1-3/4	3	Lbs	543	680	825	997	1031	480	618	763	890	900
						kN	2.42	3.02	3.67	4.44	4.58	2.14	2.75	3.40	3.96	4.00
1/4 x 6	6.1 x 152.4	WS6	6	1-3/4	4	Lbs	543	680	825	997	1031	480	618	763	890	900
						kN	2.42	3.02	3.67	4.44	4.58	2.14	2.75	3.40	3.96	4.00
1/4 x 8	6.1 x 203.2	WS8	8	4-3/4	3	Lbs	543	680	825	997	1031	480	618	763	890	900
						kN	2.42	3.02	3.67	4.44	4.58	2.14	2.75	3.40	3.96	4.00

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# Structural Wood Screws

## WS Series



**Gold Coat**  
(WS15-GC Shown)



**Hot-Dip Galvanized**  
(WS2-HDG & WS45-HDG Shown)



**Yellow Zinc**  
(WS25 & WS6 Shown)

### 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.
- Installing the screw at an angle may introduce additional bending and tension forces into the fastener if the screw head is not flat on the bearing surface. Care should be given to ensure the fastener is installed perpendicular to the plane of the side plate.



Finish	Size (in)	Retail Box Offering		Mini Bulk Offering		Bulk Offering	
		USP Stock No.	Box/Ctn Qty	USP Stock No.	Box/Ctn Qty	USP Stock No.	Box Qty
Yellow Zinc	1/4 x 1-1/2	WS15-R25	12 Packs/25 EA	WS15-MB	3 Boxes/300 EA	WS15-BP	1500 EA
	1/4 x 2	WS2-R25	12 Packs/25 EA	WS2-MB	3 Boxes/250 EA	WS2-BP	1300 EA
	1/4 x 2-1/2	WS25-R25	12 Packs/25 EA	WS25-MB	3 Boxes/200 EA	WS25-BP	1100 EA
	1/4 x 3	WS3-R25	12 Packs/25 EA	WS3-MB	3 Boxes/150 EA	WS3-BP	950 EA
	1/4 x 3-1/2	WS35-R10	12 Packs/10 EA	WS35-MB	3 Boxes/125 EA	WS35-BP	900 EA
	1/4 x 4-1/2	WS45-R10	12 Packs/10 EA	WS45-MB	3 Boxes/100 EA	WS45-BP	800 EA
	1/4 x 5	WS5-R10	12 Packs/10 EA	WS5-MB	3 Boxes/100 EA	WS5-BP	500 EA
	1/4 x 6	WS6-R10	12 Packs/10 EA	WS6-MB	3 Boxes/100 EA	WS6-BP	600 EA
	1/4 x 8	WS8-R10	12 Packs/10 EA	-- --	-- --	WS8-BP	400 EA
Hot-Dip Galvanized (HDG)	1/4 x 1-1/2	WS15-HDGR25	12 Packs/25 EA	WS15-HDGMB	3 Boxes/300 EA	WS15-HDG	1500 EA
	1/4 x 2	WS2-HDGR25	12 Packs/25 EA	WS2-HDGMB	3 Boxes/250 EA	WS2-HDG	1300 EA
	1/4 x 2-1/2	WS25-HDGR25	12 Packs/25 EA	WS25-HDGMB	3 Boxes/200 EA	WS25-HDG	1100 EA
	1/4 x 3	WS3-HDGR25	12 Packs/25 EA	WS3-HDGMB	3 Boxes/150 EA	WS3-HDG	950 EA
	1/4 x 3-1/2	WS35-HDGR10	12 Packs/10 EA	WS35-HDGMB	3 Boxes/125 EA	WS35-HDG	900 EA
	1/4 x 4-1/2	WS45-HDGR10	12 Packs/10 EA	WS45-HDGMB	3 Boxes/100 EA	WS45-HDG	800 EA
	1/4 x 5	WS5-HDGR10	12 Packs/10 EA	WS5-HDGMB	3 Boxes/100 EA	WS5-HDG	500 EA
	1/4 x 6	WS6-HDGR10	12 Packs/10 EA	WS6-HDGMB	3 Boxes/100 EA	WS6-HDG	600 EA
	1/4 x 8	WS8-HDGR10	12 Packs/10 EA	-- --	-- --	WS8-HDG	400 EA
Gold Coat (GC)	1/4 x 1-1/2	WS15-GC	12 Packs/1# Boxes	-- --	-- --	-- --	-- --
		WS15-GCR25	12 Packs/25 EA	-- --	-- --	-- --	-- --

### Customer Service:

1-855-633-2725  
mbp-orders@mittek.ca  
uspconnectors.com