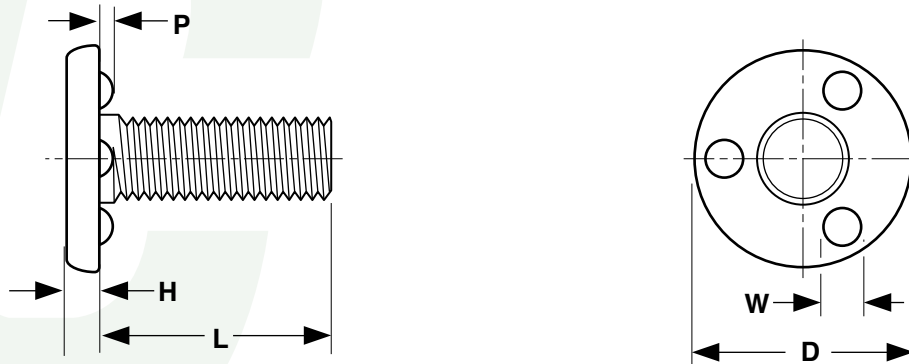


# Weld Screws

# Bottom Projection Style

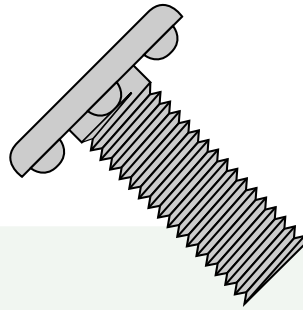


†Length of a weld stud is measured from the welding surface of the head to the end of the shank, excluding the projections.

STEEL WELD SCREWS WITH BOTTOM PROJECTIONS											Paulin®
Nominal Size or Basic Screw Diameter		Threads per Inch	D		H		P		W		
			Head Diameter		Head Height		Projection Height		Projection Width		
			Max	Min	Max	Min	Max	Min	Max	Min	
6	.138	32	.323	.303	.052	.042	.022	.018	.055	.045	
8	.164	32	.385	.365	.068	.058	.027	.023	.075	.065	
10	.190	24	.448	.428	.068	.058	.032	.028	.085	.075	
10	.190	32	.448	.428	.068	.058	.032	.028	.085	.075	
1/4	.250	20	.575	.550	.083	.073	.042	.038	.105	.095	
5/16	.3125	18	.755	.725	.099	.089	.047	.043	.125	.115	
3/8	.375	16	.880	.850	.114	.104	.052	.048	.135	.125	
1/2	.500	13	1.005	.975	.146	.136	.062	.058	.156	.145	
<b>Tolerance on Length</b>			Up to 1 in., Incl.: -.031			Over 1 in. to 2 in., incl.: -.062			Over 2 in.: -.093		

<b>Description</b>	A fastener with unified thread pitch and a cylindrical, low profile head with flat parallel surfaces. The underside of the head has three hemispheroidal-shaped weld projections equally spaced on a locating circle concentric with the shank.
<b>Applications/Advantages</b>	Enables a threaded fastener to become a permanent, integral part of an assembly. The bottom projection style can assemble into a prelocated hole and is stronger than the top projection style, utilizing the full head strength of the fastener.
<b>Material</b>	C1008 - 1010 welding quality carbon steel
<b>Tensile Strength</b>	60,000 psi., minimum
<b>Length of Thread</b>	Studs with nominal lengths of 2 inches or less should have threads extend to within one thread of the top of the weld projections. Studs over 2 inches should have a minimum thread length of 1.75 inches.
<b>Finish</b>	Weld screws are supplied with a plain, unplated finish to facilitate welding.

Paulin® is a registered trademark of Pauline Industries, Inc.

**Bottom Projection Style****Weld Screws**

<b>WELD STUD PART NUMBER COMPARISON</b>					
<b>Projections Under the Head</b>					
<b>Kanebridge</b>	<b>Buckeye</b>	<b>Gripco®</b>	<b>Kanebridge</b>	<b>Buckeye</b>	<b>Gripco®</b>
0604WB	HW 1104	MN-0632-S-0250	1116WB	HW 1616	MN-1032-S-1000
0606WB	HW 1106	MN-0632-S-0375	1406WB	HW 2106	MN-1420-S-0375
0608WB	HW 1108	MN-0632-S-0500	1408WB	HW 2108	MN-1420-S-0500
0610WB	HW 1110	MN-0632-S-0625	1410WB	HW 2110	MN-1420-S-0625
0612WB	HW 1112	MN-0632-S-0750	1412WB	HW 2112	MN-1420-S-0750
0616WB	-	MN-0632-S-1000	1414WB	HW 2114	-
0806WB	HW 1406	MN-0832-S-0375	1416WB	HW 2116	MN-1420-S-1000
0808WB	HW 1408	MN-0832-S-0500	1420WB	HW 2120	-
0810WB	HW 1410	MN-0832-S-0625	1424WB	HW 2124	-
0812WB	HW 1412	MN-0832-S-0750	1428WB	HW 2128	-
0816WB	HW 1416	MN-0832-S-1000	1432WB	HW 2132	-
1006WB	HW 1506	MN-1024-S-0375	3110WB	HW 2810	-
1008WB	HW 1508	MN-1024-S-0500	3112WB	HW 2812	-
1010WB	HW 1510	MN-1024-S-0625	3116WB	HW 2816	-
1012WB	HW 1512	MN-1024-S-0750	3120WB	-	-
1016WB	-	MN-1024-S-1000	3132WB	-	-
1020WB	HW 1520	MN-1024-S-1250	3716WB	HW 3316	-
1106WB	HW 1606	MN-1032-S-0375	3720WB	HW 3320	-
1108WB	HW 1608	MN-1032-S-0500	3724WB	HW 3324	-
1110WB	HW 1610	MN-1032-S-0625	3728WB	HW 3328	-
1112WB	HW 1612	MN-1032-S-0750	5020WB	HW 4420	-