

†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

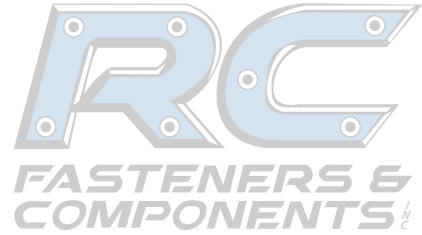
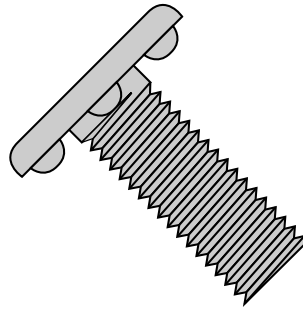
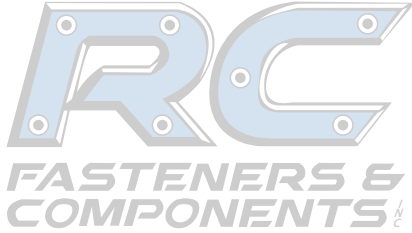
Paulin®

| 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 |
| Tolerance on Length | | Up to 1 in., Incl.: -.031 | | Over 1 in. to 2 in., incl.: -.062 | | Over 2 in.: -.093 | | | | |

| | |
|--------------------------------|---|
| Description | 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. |
| Applications/Advantages | 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. |
| Material | C1008 - 1010 welding quality carbon steel |
| Tensile Strength | 60,000 psi., minimum |
| Length of Thread | 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. |
| Finish | Weld screws are supplied with a plain, unplated finish to facilitate welding. |

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FASTENERS & COMPONENTS



WELD STUD PART NUMBER COMPARISON

Projections Under the Head

| Kanebridge | Buckeye | Gripco® | Kanebridge | Buckeye | Gripco® |
|------------|---------|----------------|------------|---------|----------------|
| 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 | - |

FASTENERS & COMPONENTS