

Filing Category: FASTENERS—Screws

SENCO 06A, 08D AND 08F WOOD SCREWS

SENCO PRODUCTS, INC.
8485 BROADWELL ROAD
CINCINNATI, OHIO 45244

1.0 SUBJECT

Senco 06A, 08D and 08F Wood Screws.

2.0 DESCRIPTION

2.1 General:

The Senco wood screws described in this report alternate to the 8d common nails used in the horizontal diaphragm and vertical shear wall assemblies specified in Tables 23-II-H, 23-II-I-1 and 23-II-I-2 of the 1997 *Uniform Building Code*™ (UBC). The wood screws are manufactured from AISI 1022 steel and are case-hardened to a depth of 0.003 inch (0.076 mm).

The 06A162W screw is described as a No. 7 by $1\frac{5}{8}$ -inch-long (41.3 mm), No. 2 Phillips drive, flat countersunk bugle head, steel wood screw having eight threads per inch, rolled threads, zinc yellow chromate with top coat, and a self-driving point. The screw has a 0.095-inch-diameter (2.41 mm) shank, a 0.150-inch (3.81 mm) major thread diameter and a 0.330-inch-diameter (8.38 mm) head.

The 08D175W, 08D200W, 08D250W and 08D300W screws are described as No. 9 by $1\frac{3}{4}$ -, 2-, $2\frac{1}{2}$ - and 3-inch-long (44.5, 51, 63.5 and 76 mm), respectively, No. 2 square drive, flat countersunk bugle head, steel wood screws having eight threads per inch, rolled threads, zinc yellow chromate with top coat, and a No. 17 auger point. The screws have a 0.120-inch-diameter (3.04 mm) shank, a 0.178-inch (4.52 mm) major thread diameter and a 0.330-inch-diameter (8.38 mm) head.

The 08F175W, 08F200W, 08F250W and 08F300W screws are described as No. 9 by $1\frac{3}{4}$ -, 2-, $2\frac{1}{2}$ - and 3-inch-long (44.5, 51, 63.5 and 76 mm), respectively, No. 2 square drive, flat countersunk bugle head, steel wood screws having eight threads per inch, rolled threads, zinc yellow chromate with

top coat, and a self-driving point. The screws have a 0.119-inch-diameter (3.02 mm) shank, a 0.182-inch (4.62 mm) major thread diameter and a 0.330-inch-diameter (8.38 mm) head.

2.2 Allowable Loads:

Allowable shear loads for horizontal diaphragms and vertical shear wall assemblies of wood-based sheathings attached to wood framing with the wood screws are specified in Tables 23-II-H, 23-II-I-1 and 23-II-I-2 of the UBC for 8d common nails.

2.3 Installation:

Installation of the fasteners must comply with Section 2315 of the UBC, and with Part XI of the NDS*. Minimum penetration and spacing are specified in UBC Tables 23-II-H, 23-II-I-1 and 23-II-I-2. Predrilling of holes is not required.

2.4 Identification:

Fastener containers are identified with the Senco Products, Inc., name and address, the product designation, and the evaluation report number (ICBO ES ER-6068).

3.0 EVIDENCE SUBMITTED

Data in accordance with the ICBO ES Acceptance Criteria for Wood Screws (AC120), dated September 1999.

4.0 FINDINGS

That the Senco wood screws described in this report comply with the 1997 *Uniform Building Code*™, subject to the condition that the screws are installed in accordance with this report and the manufacturer's instructions.

ES REPORTS™ are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICBO Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

