

**NAILS, STAPLES AND LAG SCREWS:**

*Corresponding AAR Open Top Loading Rule 15*

Where nails are designated by "penny-weight", for example "40-D", in the rules and detailed figures, they may be either common or cement-coated, unless otherwise specified.

**SIZE OF COMMON NAILS**

8-D	2-1/2	inch
9-D	2-3/4	inch
10-D	3	inch
12-D	3-1/4	inch
16-D	3-1/2	inch
20-D	4	inch
30-D	4-1/2	inch
40-D	5	inch
50-D	5-1/2	inch
60-D	6	inch

**SIZE OF CEMENT-COATED NAILS**

8-D	2-3/8	inch
10-D	2-7/8	inch
12-D	3-1/8	inch
16-D	3-1/4	inch
20-D	3-3/4	inch
30-D	4-1/4	inch
40-D	4-3/4	inch
60-D	5-3/4	inch

Power driven nails and/or staples may be used but the number specified in the applicable figure must be increased by one-third. The approved size substitution is as follows:

COMMON NAIL	POWER DRIVEN NAIL	POWER DRIVEN STAPLE	
		DIAMETER	LEG LENGTH
8-D	8-D or 10-D	.080	2-1/2 or 2-3/4
10-D	8-D or 10-D	.080	3 or 3-1/4
16-D, 20-D	16-D or 20-D	.080	3-1/2
30-D	30-D		
40-D	40-D		

Manufacturers who have had their power-driven nails and power-driven staples tested by the AAR are listed below with approved nail and/or staple sizes shown.

<b>MANUFACTURER</b>	<b>POWER DRIVEN NAIL SIZES</b>	<b>POWER DRIVEN CEMENT COATED NAIL SIZES</b>	<b>POWER DRIVEN STAPLE SIZE</b>
PASLODE	8D,16D,20D,30D,40D		
SESCO	8D,10D,16D		.080 X 2-1/2 2-3/4, 3, 3-1/4, 3-1/2
DUO-FAST CORP.	8D & 10D	16D,20D,30D,40D	
ACME STEEL CANADA LTD	16D, 20D, 40D		

Lag screws may be used where nails are specified. When used, they must be properly applied by pre-drilling and torque by mechanical means. Lag screws must not be hammer driven. Lag screws 3/8 in. diameter may be used in place of common nails as follows:

- 1) Same number as specified for nails 20-D and greater.
- 2) One-half the number specified for nails less than 20-D.

The length of the Lag screw must be at least two inches longer than blocking being secured. Greater diameter lag screws can be used but using the same number as permitted above.