

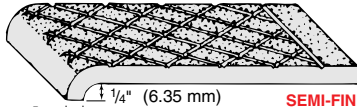


ABRASIVE CAST Selection Guide

MEETS A.D.A. REQUIREMENTS

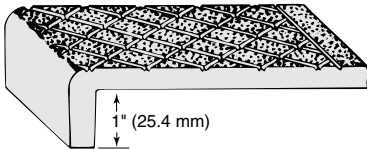
POURED CONCRETE

Generally installed full step length less approx. 3" (76.2 mm) clearance at each end.



5/16" (7.94 mm) 1/4" (6.35 mm) **TYPE 101** – Nose 1/4" (6.35 mm) lip.

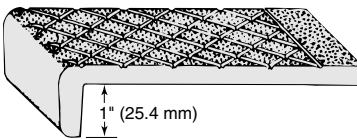
Chief use: as nosings in concrete stairs. Tread installed flush all around.



5/16" (7.94 mm) 1" (25.4 mm) **TYPE 116** – Nose depth 1" (25.4 mm) standard.

Chief use: as nosings in concrete stairs where deeper lip is desirable.

FOR EXISTING STAIR REPAIR

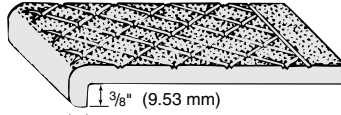


5/16" (7.94 mm) 1" (25.4 mm) **TYPE 116A** – Nose depth 1" (25.4 mm) standard.

Chief use: superimposed on existing steps for repair and modernization. Also see Type 500 on page 12.

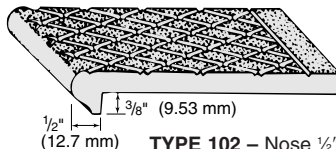
STEEL PAN

Generally installed full stringer to stringer length, less 1/8" (3.05 mm) clearance.



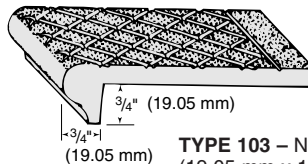
3/8" (9.53 mm) 5/16" (7.94 mm) **TYPE 101SP** Nose 3/8" (9.53 mm).

Chief use: as nosings on steel-pan concrete-filled stairs or superimposed on existing steps.



1/2" (12.7 mm) 3/8" (9.53 mm) **TYPE 102** – Nose 1/2" x 3/8" (12.7 mm x 9.53 mm).

Chief use: as nosings on steel-pan stairs. Can also be used structurally with bent-plate risers.



3/4" (19.05 mm) 3/4" (19.05 mm) **TYPE 103** – Nose 3/4" x 3/4" (19.05 mm x 19.05 mm).

Chief use: as structural treads with bent-plate risers or as nosings full width of stair.

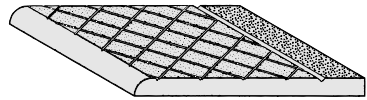
MISCELLANEOUS USES



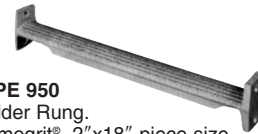
TYPE 100
Square edges. Chief uses: floor plates, trench covers, stair landing platforms, expansion joint covers.



TYPE 110
Rounded edges. Chief uses: Expansion joint covers, platforms around machinery, deck treads.

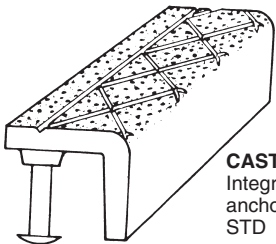


TYPE 120
One edge rounded. Chief use: nosings on steel grating treads and for special conditions, usually superimposed.



TYPE 950
Ladder Rung.
Alumogrit® 2"x18" piece size

CONCRETE CURBS

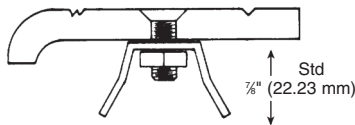


CAST:
Integral anchors
STD

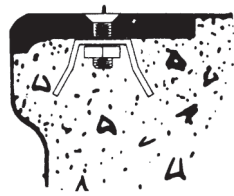
TYPE 150
1 1/2" x 1 1/2" x 3/8"
(38.1 mm x 38.1 mm x 9.53 mm)
Maximum length 6'0" (1.83 m)

TYPE 250
2 1/2" x 2 1/2" x 1/2"
(63.5 mm x 63.5 mm x 12.7 mm)
Maximum length 6'0" (1.83 m)

WING TYPE ANCHOR

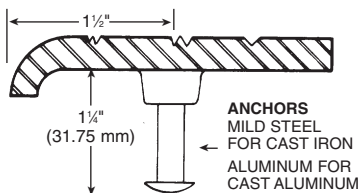


Std
3/8" (22.23 mm)



Wing type anchor used with Type 101 in poured concrete stair.

CONCEALED INTEGRAL ANCHOR



ANCHORS
MILD STEEL FOR CAST IRON
ALUMINUM FOR CAST ALUMINUM



Concealed Integral Anchor used with Type 101SP in steel pan stair.

- Ferrogrit® is not recommended for corrosive environments.
- Castings are subject to usual foundry draft, tolerances and thickness $\pm 1/8"$.
- Nosings may show a parting line on the nose surface.
- Standard measurements are from top of nosing.
- Custom lengths to $\pm 1/16"$.
- Standard hole size 1/4" with countersunk hole tops.
- Standard depths; 3", 4" and 6"
- Standard drilling; 3" from ends on approximately 12" centers.
- ★ Beveled treads. Contact factory on availability per application.
- Lengths over maximum to be made in equal sections.

Non-structural stair nosings and treads for Poured concrete and steel pan concrete-filled stairs

FERROGRIT®

5/16" thick - treads max. 6" wide - max. length 8'6"
3/8" thick - treads width to 6" - max. length 8'6"
3/8" thick - over 6" to 12" wide - max. length 6'

ALUMOGRIT®

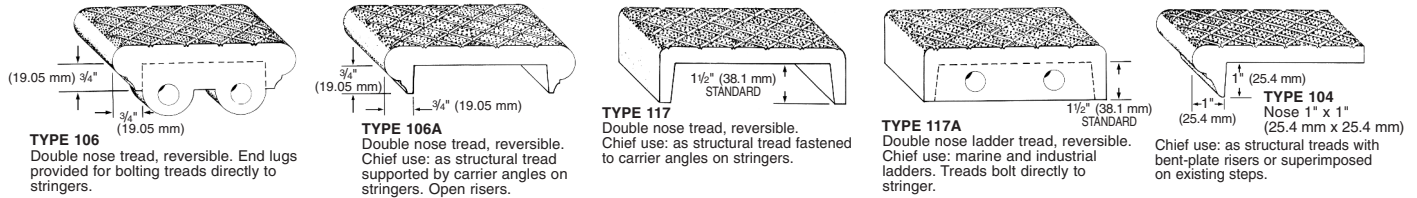
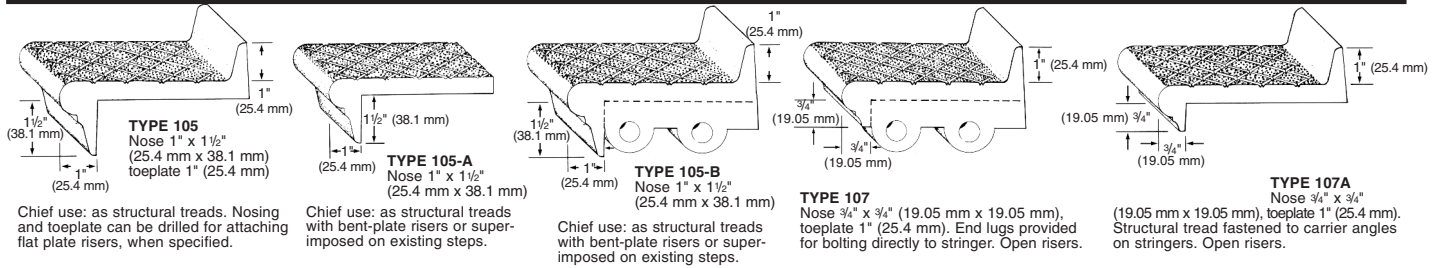
5/16" and 3/8" thick - thread width to 6" - max. length 8'6"
3/8" thick - over 6" to 12" width - max. length 6'

Types 101, 101SP, 100, 102, 110 and 120
5/16" thick - over 6" to 12" wide - max. length 6'

Types 103, 104, 116, 116A and 105A
5/16" thick - over 6" to 9" width - max. length 6'



ABRASIVE CAST Selection Guide



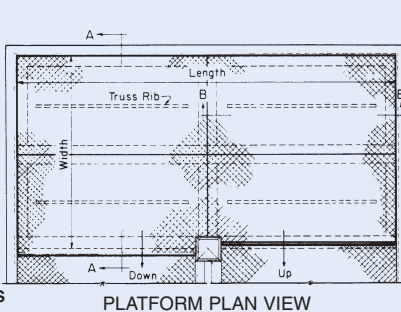
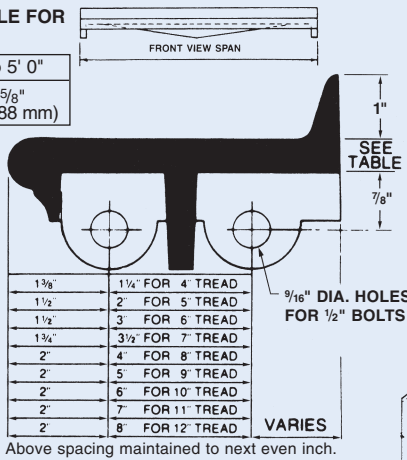
MINIMUM THICKNESS TABLE FOR STRUCTURAL TREADS

SPAN	To 4' 0"	To 5' 0"
All Metals	1/2" (12.7 mm)	5/8" (15.88 mm)

NOTE: Thicknesses are minimum for casting purposes and not always sufficient for structural strength.

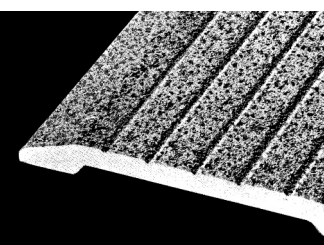
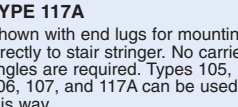
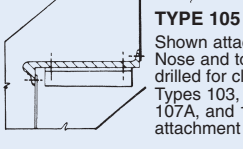
STANDARD HOLE SPACING FOR TREADS WITH LUGS

Hole spacing for self-supporting treads. **Maximum length 5' 0"**. All treads are cast with truss ribs when required.



NOTE:

- Platforms manufactured in sections. Contact Wooster Products Inc for further information.
- Toeplates are added as required.
- Matching nosings are used on treads and platforms.
- Truss ribs are added when required for structural strength.
- Ferrogrit treads and platforms are furnished painted black; other metals have shotblasted finish.
- Standard surface furnished is abrasive cross hatched. Plain and fluted surfaces are also available.
- Supporting structural steel and fasteners are "by others."**
- Various tread styles are available for attaching to carrier angles, or bolting directly to stair stringers.
- Sections are not "to scale."
- Attachment hole spacing for treads and platforms is "as detailed" for each job.
- Structural treads are custom made per application.
- Lead times to be determined per application.
- Maximum structural tread length 5' 0"; Consult Factory**



FLUTED SURFACED THRESHOLD

"Wooster" abrasive cast thresholds are cast to order from a large selection of architectural designs as shown. They are of highest quality and heavy duty construction in these metals:

ALUMOGRIT: abrasive cast aluminum
FERROGRIT: abrasive cast iron

FASTENERS: Thresholds are drilled and countersunk for 1/4" (6.35 mm) screws unless other fasteners are specified.

NOTCHING: Threshold ends can be factory notched for fast jobsite installation if frame details are furnished.

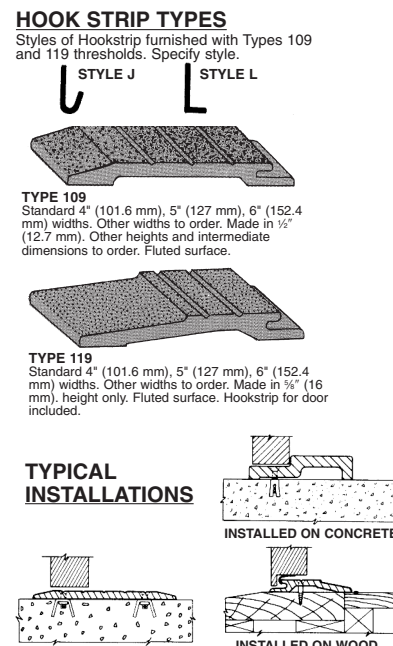
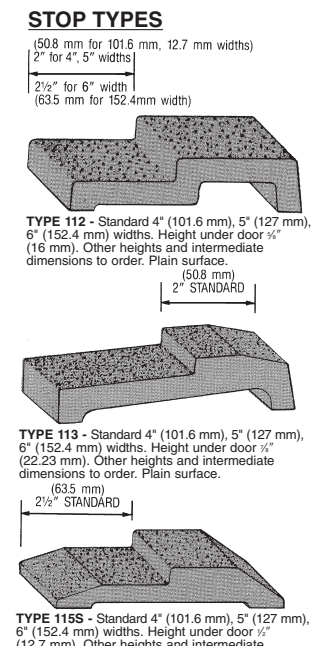
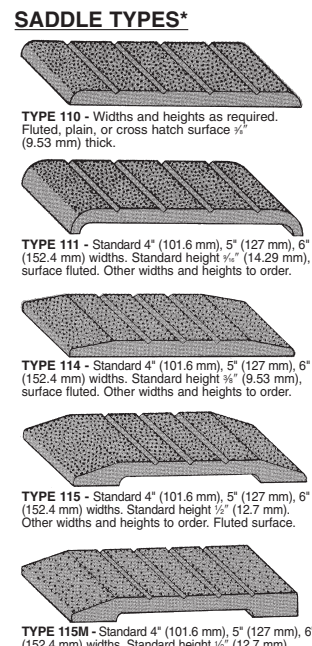
SPECIFICATIONS: See page 10 for casting specifications.

LENGTHS: Lengths to order up to 8' 6" (2.59 m) maximum in one piece.

SIZES: Standard sizes are shown below.

SPECIAL PROFILES: Special shapes up to 18" (457.2 mm) are available if details are provided.

***Meets A.D.A. Requirements**





ABRASIVE CAST SAFETY TREADS AND NOSINGS

CAST TREADS AND NOSINGS PROVIDE:

- Protection of the step edge from damage.
- Safe, anti-slip walking surface. Helps prevent slips and falls.
- Visual contrast makes step edge easier to see.

FEATURES:

- Maximum Durability in Rough Use
- Indoor or Outdoor Use
- Resistant to Unusual Corrosive Environment
- New Construction or Renovation
- Anti-slip Properties
- Ready to Install Convenience
- Protective tape available
- Maximum nosing length 8'6", see literature for maximum tread length

ABRASIVE CASTINGS SPECIFICATION:

- Provide Alumogrit or Ferrogrit type _____ safety treads/nosings as manufactured by Wooster Products Inc. for interior and exterior stairs.
- Abrasive shall be #20 virgin grain Aluminum Oxide abrasive, integrally cast into the walking surface to a minimum depth of 1/32 inch.
- Cast metals used shall conform to one of the following specification, **please select**:
 1. **Alumogrit** (Abrasive cast aluminum): No. 43 prime and secondary ingot; low copper content; corrosion resistant.
 2. **Ferrogrit** (Abrasive cast iron): Class 20 iron; high silicon; machinable; hyper eutectic.
- All metal types shall have shot blasted finish; Ferrogrit treads shall have one coat shop-black paint.
- Crosshatching and fluting shall be 1/16 inch deep minimum and shall be clean and well defined.
- Safety nosings up to 6" deep with cross hatched surface being installed into wet concrete shall have a feature strip along the back edge. Feature strip is a trademark of Wooster Products Inc.
- Any holes or countersinks shall be machine made; screw heads shall not protrude above tread surface; cored holes or countersinks are not acceptable.
- Concealed type anchors shall be slotted rivet type, integrally cast into the body of the nosing a minimum of 3/8 inch.
- Nosings shall terminate not more than 4" from ends of steps for poured concrete stairs; for concrete filled steel pan stairs, nosings shall be full length of steps less 1/8 inch clearance.
- Treads and nosings shall be manufactured, packed and shipped so as to arrive at the job site in good condition.

GUIDELINES FOR THE INSTALLATION OF METAL SAFETY TREADS OR NOSINGS INTO NEW CONCRETE OR STEEL PAN FILLED STAIRS:

- The use of very large aggregate in the concrete mix may make placement of the safety nosing difficult.
- Safety nosing placement may be difficult in concrete with very low slump.
- Place concrete into the stair forms or steel pans as quickly as possible; schedule pours so as to install the metal safety nosings quickly before initial set of concrete occurs.
- Puddle the concrete; tamp the safety nosing to insure proper concrete formation around the anchors.
- Remove protective tape (if used) as soon as practical.
- Order nosings or treads well in advance of the pour or installation date.
- Close stairway after pour; permit no use for 24 hours.

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