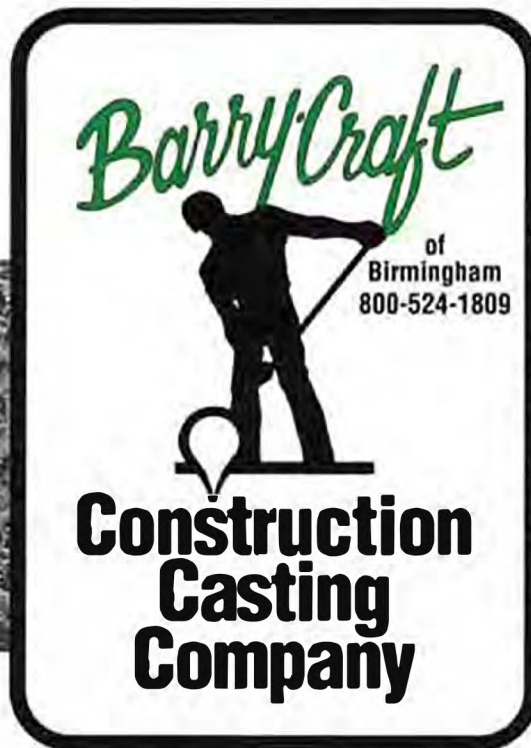

6th EDITION

REFERENCE MANUAL

TREADS, NOSINGS & THRESHOLDS



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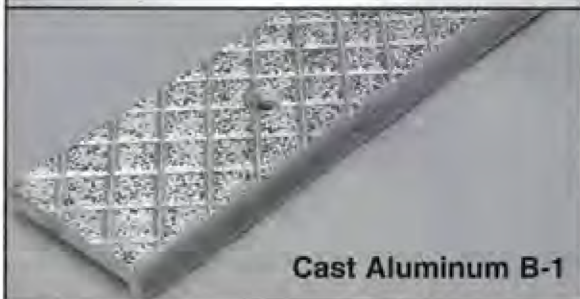
BarryCraft Construction Casting Company's abrasive stair nosings and treads are designed for areas which are subjected to heavy foot traffic such as schools, public buildings, subways and shopping malls. BarryCraft Construction Casting Company's stair nosings and treads are attractively designed, non-corrosive, economically installed and will last virtually the life of the building.

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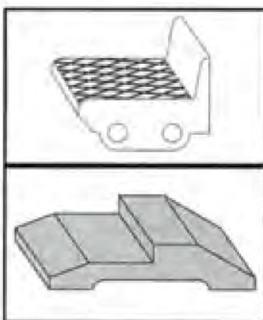
It will be a pleasure to assist you in any way we can!



Cast Iron B-1SP



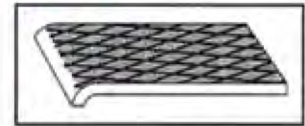
Cast Aluminum B-1



Cast Abrasive
Structural Treads
Pages 4-5

Cast Abrasive
Thresholds
Page 6

CAST ABRASIVE NOSINGS & TREADS



Cast Abrasive Nosings & Treads: Short form specifications

Nosings/treads will be BarryCraft Alumatread or Feratread style as manufactured by Barry Pattern & Foundry Co, Birmingham, AL. Surface will have silicon carbide abrasive, a minimum of 2¼ ounces per square foot to a minimum of ½ of an inch.

All castings will be of uniform quality, free from blow holes, shrinkage defects, swells, cracks, or other defects. Treads will be true to pattern. Casting material will be of high quality iron or aluminum. Castings will be free of fins, burrs and slag. Cast iron will have one coat of black paint, aluminum will have a natural sand cast finish.

Widths available: 3" and 4" are standard. Other widths available from 2" to 12".

Standard surface: Cross-hatched abrasive.

Other surfaces available: Plain or fluted abrasive – must be specified.

Standard anchor for fresh concrete: Wing anchor.

Available anchor: Cast on bolt – must be specified.

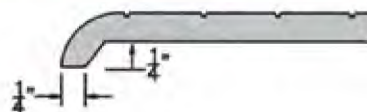
Standard anchor for set concrete: Expansion shield or ¼" Tapcon anchor.

See page 7 for installation details.

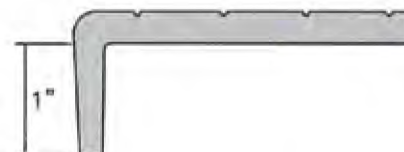
Table A: Thickness by width for nosings and treads

Thickness	Feratread	Alumatread
In Inches	Abrasive Cast Iron	Abrasive Cast Aluminum
3/8"	Up to 6"	Up to 6"
7/16"	Over 6" to 10"	Over 6" to 10"
1/2"	Over 10" to 24"	Over 10" to 44"

Nosings for poured-in-place stairs*



Style B-1 Nose ¼" lip. See Table A. Most popular style.



Style B-16 Standard nose depth 1". Nose may be furnished up to 2" depth. See table A.

*Installed up to 3" from ends of steps and even with front of riser line.

Nosings for concrete-filled steel pans

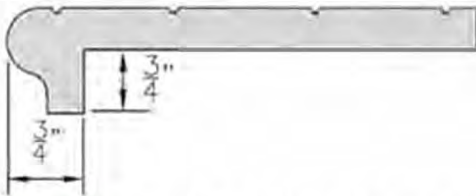
Installed full width of stair less $\frac{1}{8}$ " from each end.



Style B-1SP nose $\frac{3}{8}$ " lip. May also be superimposed on existing steps. See Table A.



Style B-2 nose $\frac{1}{2}$ " x $\frac{3}{8}$ ". Used as a nosing. See Table A. May also be used structurally. Specify if structural. See Table B, page 4.



Style B-3 nose $\frac{3}{4}$ " x $\frac{3}{4}$ ". Used as a nosing. See Table A. May also be used structurally. Specify if structural. See Table B, page 4.



Style B-16A standard nose depth 1". Nose may be furnished up to 2" depth, but must be specified. Style B-16A may be used as a wide coverage repair tread with a beveled back. See Table A and page 7.



Cast Iron B-16

Treads for other uses



Style B-100 square edges. For Use as floor landing plate or expansion joint cover. See Table A.

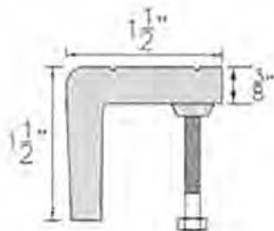


Style B-110 is used the same as style B-100 but has two rounded edges. See Table A.

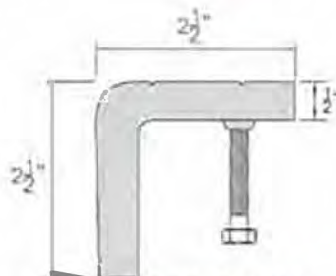


Style B-120 is frequently used as a grating nosing. May also be used on a steel pan as a barrier free nosing. One edge rounded. See Table A.

Curb bar

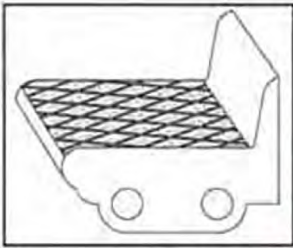


Style CB-15A



Style CB-25A

Curb bar is used primarily as heavy-duty curb protector, but can also be used as a stair nosing. Maximum length is 6'0" long. Cast on anchor is standard.

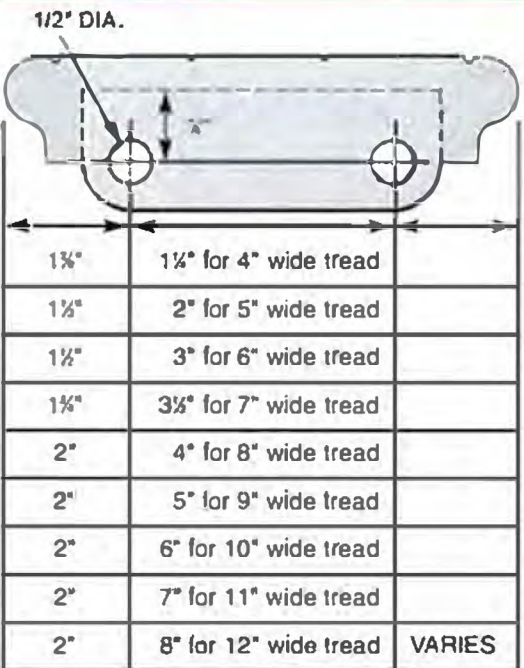


CAST ABRASIVE STRUCTURAL TREADS



Cast Iron
B-6

Standard spacing for holes and end lugs



BarryCraft Cast Abrasive Structural Treads Short form specifications

Treads will be BarryCraft Alumatread or Feratread style as manufactured by Barry Pattern & Foundry Co., Birmingham, AL. Tread surface will have silicon carbide abrasive, a minimum of 2 1/4 ounces per square foot to a minimum depth of 1/2 of an inch. All castings will be of uniform quality, free from blowholes, shrinkage defects, swells, cracks or other defects. Treads will be true to pattern. Casting material will be free of fins, burrs and slag. Cast iron will have one coat of black paint. Aluminum will have a natural sand cast finish.

Widths available: Width for structural treads are made to order. Minimum width is 4". The width should not exceed 12" to maintain structural strength.

Standard surface: Cross-hatched abrasive.

Available surface: Fluted-must be specified. Truss ribs may be furnished for additional support. Nuts and bolts for attachment by others.

Maximum length: 5'0".



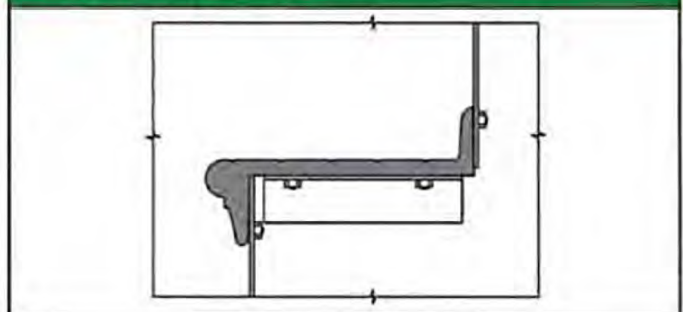
Cast Iron
B-7

BarryCraft Construction Casting Company

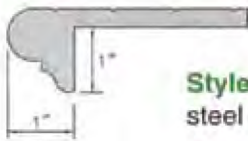
Table B: Structural tread thickness

Span	To 3'0"	To 4'0"	To 5'0"
Feratread Abrasive cast iron	7/16"	1/2"	5/8"
Alumatread Abrasive cast aluminum			

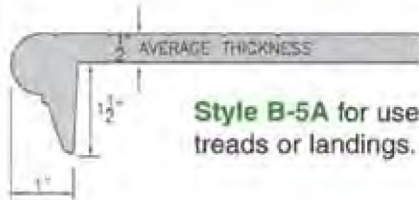
Style B-5: Bolted shelf angles and riser plates



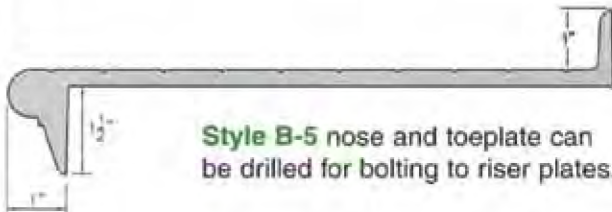
Treads for attachment to shelf angles, ends drilled & countersunk for bolting



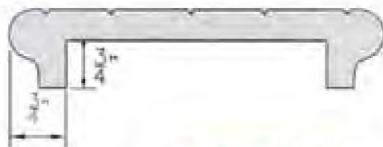
Style B-4 can also be used on steel pan stairs.



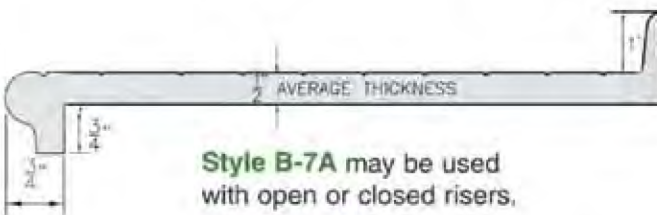
Style B-5A for use as structural treads or landings.



Style B-5 nose and toeplate can be drilled for bolting to riser plates.



Style B-6A double nose treads for open risers (reversible).



Style B-7A may be used with open or closed risers.



Style B-17 double nose tread for open risers (reversible).

Cast Iron
B-17A



Treads with cast-on end lugs for direct attachment to stringers



Style B-6 double nose tread (reversible). For nose detail, see style B-6A at left.



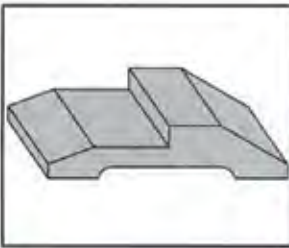
Style B-17A double nose tread (reversible). For nose detail, see Style B-17 at left.



Style B-7 for use with open riser. For nose detail, see style B-7A at left.



Style B-17S double nose tread with drainage slots (reversible). For nose detail, see Style B-17 at left.



CAST ABRASIVE THRESHOLDS

Saddle types



Style B-10T standard height is $\frac{3}{8}$ " for 4", 5", 6" widths. Height may vary for other widths.



Style B-11 standard height is $\frac{1}{2}$ " for 4", 5", 6" widths.



Style B-14 standard height is $\frac{3}{8}$ " for 4", 5", 6" widths. Height may vary for other widths.



Style B-15 standard height is $\frac{1}{2}$ " for 4", 5", 6" widths.



Style B-15M standard height is $\frac{1}{2}$ " for 4", 5", 6" widths.

BarryCraft Cast Abrasive Thresholds Short form specifications

Thresholds will be BarryCraft Alumatread or Feratread style as manufactured by Barry Pattern & Foundry Co., Birmingham, AL. Threshold surface will have silicon carbide abrasive, a minimum of 2¼ ounces per square foot to a minimum depth of $\frac{1}{32}$ of an inch. All castings will be of uniform quality, free from blow holes, shrinkage defects, swells, cracks or other defects. Threshold will be true to pattern. Castings will be free of fins, burrs and slag. Cast iron will have one coat of black paint. Aluminum will have a natural sand cast finish.

Standard drilling will be for $\frac{1}{8}$ " flat head machine screws in one or two rows dependent on width. The standard hole diameter is $\frac{3}{16}$ ".

Standard fastener will be tapcon anchor screws, or expansion shields. Ends of thresholds may be notched to your detail.

Saddle types

Standard widths: 4", 5", 6". Other widths to order.

Standard surfaces: Fluted abrasive.

Other surfaces available: Cross-hatched or plain must be specified.

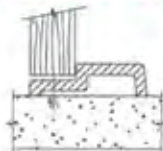
Stop types

Standard widths: 4", 5", 6". Other widths to order.

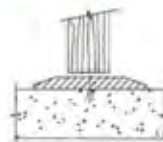
Standard surface: Plain abrasive.

Other surfaces available: Cross-hatched or fluted abrasive must be specified.

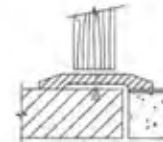
Profiles and installations



Style B-12 for installation as stop at door bottom in existing concrete floor.



Style B-14 may be installed on level floor for new or existing door opening.

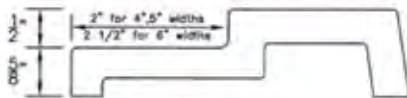


Style B-15 spans level joint between sill and floor covering.

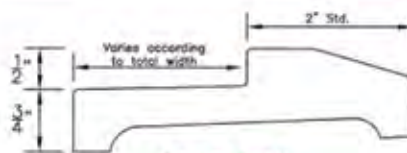


Style B-15S installed on existing surface in frame openings.

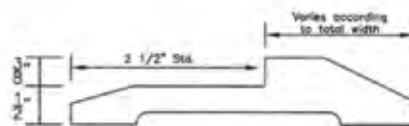
Stop types



Style B-12



Style B-13



Style B-15S

Cast Aluminum
B-15



NOSING INSTALLATION INSTRUCTIONS

General installation instructions

On wood steps, treads are installed with wood screws. Adhesive is not required. On concrete, marble, terrazzo, granite, or any other hard surface, adhesive is applied to the step surface and to the underside of the StarTread Repair Tread. The tread is then set in place and a hole is drilled into the step surface. A Tapcon masonry anchor is then dropped into the hole and tightened down. Brush or vacuum dust from the surface of the step and the installation is complete.

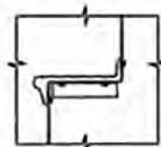
Nosings installed in poured concrete normally have a clearance of 3" to 4" at each end and are installed even with the riser line.

Nosings for steel pans are installed the full length of the steel pan less 1/4" from each end.

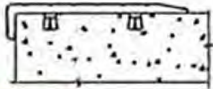
Anchorage details



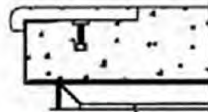
Style B-1 with wing anchor set into poured in place concrete. See page 2.



Style B-5 bolted to end angles and riser plates. May also have cast on end pieced for bolting through stringer. See page 5.



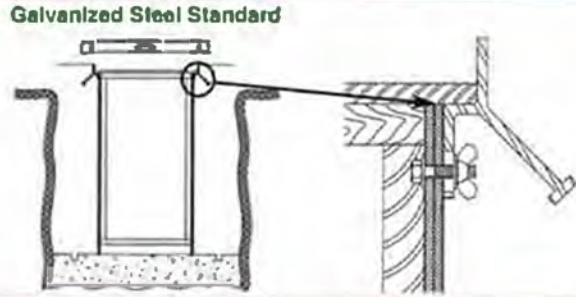
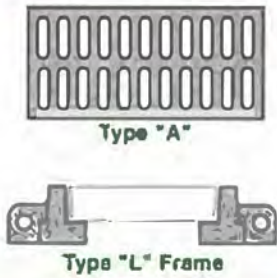
Style B-16A For wide coverage with beveled back. Mounted on existing concrete with adhesive and expansion shields. See page 3.



Style B-1SP with bolt type cast on anchor set into steel pan stairs. See page 3.

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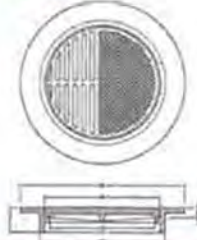


Catch Basins, Curb Inlets & Frames Manhole Rings & Covers

B1878 & B1879 Series Bottom Flange (Rectangular)



B1892 & B1893 Series Top Flange



B1792 & B1793 Series Bottom Flange

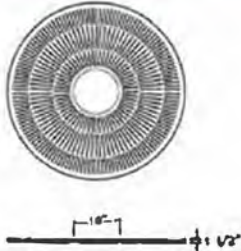


B1878 & B1879 Series Bottom Flange

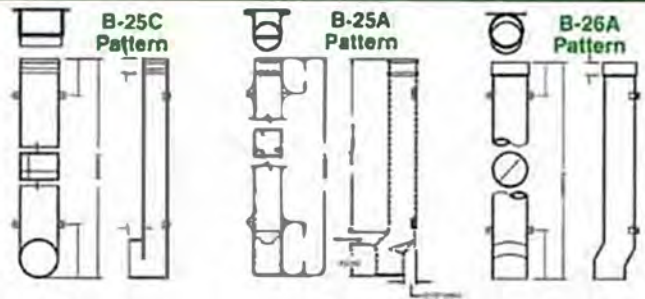
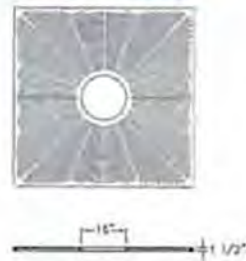


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