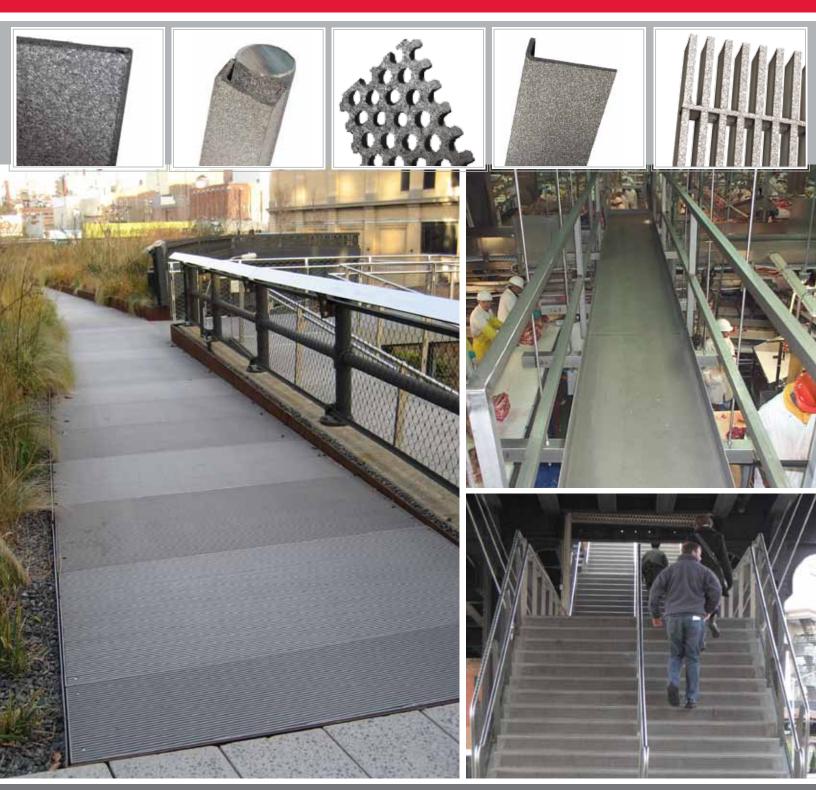
SlipNOT®

SLIP RESISTANT METAL FLOORING PRODUCTS



SlipNOT® slip resistant metal products exceed all recommendations for coefficient of friction specified by ANSI, ASTM, NFPA, ADA and OSHA.

What is *Slip*NOT®?

*Slip*NOT° is an all metal slip resistant surface. The *Slip*NOT° process consists of a molten metal which is applied to metal substrates by a plasma spray deposition, resulting in a file hard random stacked hatch matrix covering 100% of substrate surfaces. *Slip*NOT°'s unparalleled surface hardness is combined with a maximum bond strength producing the most durable, longest lasting slip resistant surface available.

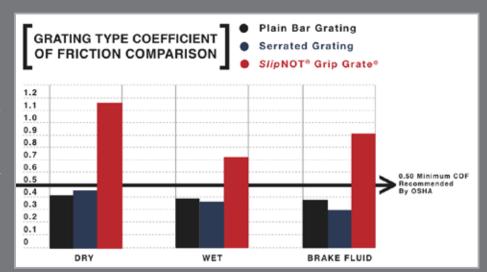
BENEFITS:

- o Reduces liability from slip and fall accidents
- Exceeds all regulatory agency recommendations for slip resistance
- Long lasting surface with a hardness of between 55 63 on the Rockwell "C" scale
- o *Durable* with a surface bond strength of over 4,000 psi
- *Economical* long lasting characteristics save life-cycle cost
- o Versatile can be fabricated in the shop or field
- Slip resistance SlipNOT® is a high traction surface, with a coefficient of friction of 0.85 or higher. Coefficient of friction values depend on test method, sensor and environmental conditions.



GRATING COMPARISON:

SlipNOT® products' coefficient of friction values far exceed traditional products such as diamond plate or serrated grating, especially when wet or oily. Testing done by Dr. Mark S. Redfern, at the University of Michigan shows the difference between smooth bar grating, serrated grating and SlipNOT® surfaced grating.





"Diamond or checker plate surfaces offer inadequate slip resistance, particularly when worn or wet...to the point of being dangerously unsafe."

- Article featured in Professional Safety: Official

SLIP RESISTANT

Slip resistant even when submerged in liquids

SURFACE:

The SlipNOT® process is applied to metal substrates in steel, stainless steel and aluminum alloys. The SlipNOT® surface application does not change the chemical or structural properties of the metal substrates, but simply creates a durable, long lasting slip resistant surface.







Stainless Steel



Aluminum

SURFACE COARSENESS / GRADES:

The SlipNOT[®] surface is available in three grades; Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse - Steel surface only). The different grades available refer to the depth or coarseness of the SlipNOT® surface.



Grade 1 - Fine



Grade 2 - Medium



Grade 3 - Coarse

The *Slip*NOT[®] surface consists of:

- o File hardness of between 55 63 on the Rockwell "C" scale
- o Bond strength of at least 4,000 psi for steel and stainless steel products
- Bond strength of at least 2,000 psi for aluminum products

SlipNOT® Products

Floor Plates - Grip Plate®



*Slip*NOT° slip resistant floor plates are designed for applications requiring complete surface coverage. *Slip*NOT° floor plates are offered in steel, galvanized steel, aluminum and stainless steel.

PRODUCT INFORMATION

- Thicknesses: 1/8" to 2"+
- o Stock widths: 4', 5' or 6'
- o Stock lengths: 8', 10' or 12'
- Available SlipNOT* alloys: Steel, Stainless Steel, Aluminum and Galvanized Steel
- Plates can be custom fabricated to meet job specifications available up to 72" wide and 144" long
- Plates are available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse - Steel surface only)
- Typical alloys: A-36, A-572 Grade 50 Steel, Commercial Quality, 304
 Stainless Steel, 316 Stainless Steel, 5052 Aluminum and 6061 Aluminum
- Div 5 CSI Classification Code: Metal Floor Plates (05 54 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00), Access Ramps (05 51 20), ADA Tactile Warning Surfaces (32 17 20)

 ${\it Slip}$ NOT° plates transform even the most demanding environments into safe and productive work zones.

- * Larger sizes available. Please contact us for more information.
- * Additional alloy options may be available.

Grating - Grip Grate®



*Slip*NOT° slip resistant grating provides high traction even in wet and oily environments. *Slip*NOT° grating is offered in steel, galvanized steel, aluminum and stainless steel.

PRODUCT INFORMATION

- o Stock widths: 2' or 3'
- o Stock lengths: 20' or 24'
- Grating can be custom fabricated to meet job specifications
- o Available in light duty and heavy duty
- \circ Available $Slip NOT^*$ surfaces: Steel, Stainless Steel, Aluminum and Galvanized Steel
- Grating spacing:
 - o ADA: 7-2, 7-4, 11-2, 11-4
 - o Standard industrial: 15-2, 15-4, 19-2, 19-4
 - Others available please inquire
- o Available trim or load banded
- Grating is available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse - Steel surface only)
- $\circ\,$ Available in welded, press locked, swaged lock or flush mount construction
- Available alloys: 304 or 316 Stainless Steel and 6063-T6 Aluminum (others available)
- Div 5 CSI Classification Code: Metal Gratings (05 53 00), Shop-Applied
 Coatings for Metal (05 05 13), Common Metal Materials (05 05 00), Access
 Ramps (05 51 20), ADA Tactile Warning Surfaces (32 17 20)

Grating is also available with *Slip*NOT° solid or perforated plates pre-welded on top for more even walking / working areas - ideal for cycle-friendly bridge decks.

DURABLE

High traction surface for long lasting durability

Flattened Expanded Metal - Grid Grip®



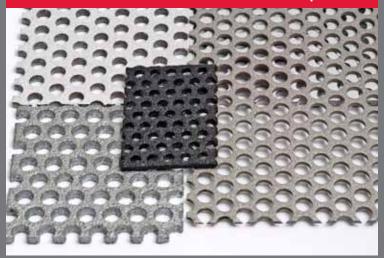
SlipNOT° flattened expanded metal is an ideal solution for areas where slippery and dusty elements are prominent. Expanded metal easily retrofits over numerous materials, allowing air, light and liquids to flow through while providing maximum slip resistance. SlipNOT° flattened expanded metal is offered in steel, stainless steel and aluminum.

PRODUCT INFORMATION

- \circ Stock sizes: 4'x8', 4'x10' additional sizes available by special order
- Expanded metal can be custom fabricated to meet job specifications
- Available SlipNOT* surfaces: Steel, Stainless Steel, Aluminum and Galvanized Steel
- Expanded metal is available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse Steel surface only)
- \circ Style: Standard 3/4 #9 flattened expanded metal additional styles available by special order
- Div 5 CSI Classification Code: Wire Mesh & Expanded and Perforated Metal (05 77 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00), Access Ramps (05 51 20)

SlipNOT° flattened expanded metal is the ideal product to transform existing slippery bar grating into safe and productive work environments.

Perforated Metal - Flex Grip®



*Slip*NOT[®]'s non-slip perforated plates are available in numerous hole sizes and spacing patterns. *Slip*NOT[®] perforated steel plates are offered in steel, galvanized steel, aluminum and stainless steel.

PRODUCT INFORMATION

- Thicknesses: 1/8", 3/16", 1/4" or thicker
- o Stock sizes: 4'x10' additional sizes available by special order
- Perforated plates can be custom fabricated to meet job specifications
- Available SlipNOT* surfaces: Steel, Stainless Steel, Aluminum and Galvanized Steel
- Typical patterns available:
 - $\circ\,$ 1/4" diameter on 3/8" diameter centers (40% open area)
 - o 3/8" diameter on 9/16" staggered centers (40% open area)
 - Other options available
- o A wide variety of hole patterns and options available
- Perforated plates are available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse - Steel surface only)
- Div 5 CSI Classification Code: Wire Mesh & Expanded and Perforated Metal (05 77 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00), Access Ramps (05 51 20), ADA Tactile Warning Surfaces (32 17 20)

Note: Perforation removes about 2/3 of the strength from the plates. Additional supports may be required.

Perforated plates, like expanded metal, allow air, light and liquids to flow through. They are an excellent retrofit for bar grating and are used to retrofit bridges into cycle-safe surfaces.

SlipNOT® Products

Ladder Rungs & Rung Covers



*Slip*NOT° anti-slip ladder rungs and ladder rung covers provide essential safety for ladders. *Slip*NOT° ladder rungs and covers are offered in stainless steel, steel and aluminum.

PRODUCT INFORMATION

LADDER RUNG:

- o Shapes: round, square or tubes
- o Thicknesses: 3/4" and 1" additional sizes available by special order
- o Stock lengths: 10' (Steel), 12' (Aluminum), 11'-13' (Stainless Steel)
- o Ladder rungs can be fabricated to customer specified sizes
- o Available SlipNOT® surfaces: Steel, Stainless Steel and Aluminum
- o Ladder rungs are available in: Grade 2 (Medium)
- Div 5 CSI Classification Code: Ladders (05 51 40), Metal Ladders (05 51 33), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)

LADDER RUNG COVER:

- Thickness: 1/8"
- Stock widths: 1" to fit over 3/4" diameter rungs or 1-1/4"
 to fit over 1" diameter rungs additional sizes available by special order
- o Stock lengths: 10' (Steel), 12' (Aluminum), 11'-13' (Stainless Steel)
- Ladder rung covers can be fabricated to meet customer specified sizes
- Available SlipNOT* surfaces: Steel, Stainless Steel, Aluminum and Galvanized Steel
- o Ladder rung covers are available in: Grade 2 (Medium)
- o Div 5 CSI Classification Code: Ladders (05 51 40), Metal Ladders (05 51 33)

SlipNOT° ladder rungs are used for new ladder construction, providing a more stable non-slip surface. SlipNOT° ladder rung covers are also ideal for refurbishing old, slippery ladders. The rung covers easily retrofit over existing ladder rungs, creating a safer climbing surface.

Stair Treads



Stair treads and tread covers can be made from any *Slip*NOT® product: solid plate, perforated plate, bar grating or expanded metal. Treads can be fabricated to nearly any shape or size with countersunk holes or mounting plates / angles. *Slip*NOT® stair treads are offered in steel, stainless steel, aluminum and galvanized steel.

PRODUCT INFORMATION

- o Lengths and widths: Customer specific up to 10' in length
- o Thicknesses: 1/8", 3/16", 1/4", 5/16", 3/8" and 1/2"
- Stair treads can be custom fabricated to meet job specifications
- \circ Available $Slip \mathbf{NOT}^*$ surfaces: Steel, Stainless Steel, Aluminum and Galvanized Steel
- o Available material: Plate, Grating, Perforated and Expanded Metal
- Available alloys: Stainless steel 304, 316; Aluminum 5052 H32; Steel A-36 (others available)
- Stair treads are available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3
 (Coarse Steel surface only)
- Div 5 CSI Classification Code: Metal Stair Treads and Nosing (05 55 00),
 Metal Stairs (05 51 00), Shop-Applied Coatings for Metal (05 05 13),
 Common Metal Materials (05 05 00)

*Slip*NOT° stair treads ensure workers and pedestrians have long-term safety ascending and descending stairways.

* Please contact us for specific tread styles and options.

PROVEN

SlipNOT® has been tested and utilized for decades



SlipNOT* nosings provide safety to the area of stairs that becomes worn easily due to heavy traffic. SlipNOT* nosings can be integrated into new construction or retrofitted over existing steps. SlipNOT* nosings added to bar grating ensures safety at the leading edge of the step. SlipNOT*'s nosings are offered in steel, stainless steel, aluminum and galvanized steel.

PRODUCT INFORMATION

- o Lengths: up to 10'
- Widths: Customer specific
- Thicknesses: 1/8", 3/16", 1/4" additional sizes available
- Stair nosings can be custom fabricated to meet job specifications
- Available SlipNOT* surfaces: Steel, Stainless Steel, Aluminum and Galvanized Steel
- Nosings are available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse - Steel surface only)
- Installation styles:
 - o Plain for welding in place
 - o Countersunk for bolting or screwing into existing surfaces
 - o J-hook / Nelson stud for insertion into wet cement pours
- Div 5 CSI Classification Code: Metal Stair Treads and Nosing (05 55 00),
 Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)

*Slip*NOT° nosings are fabricated to your specifications to provide long term safety. They are versatile to most sites needs, durable and provide continual safety.



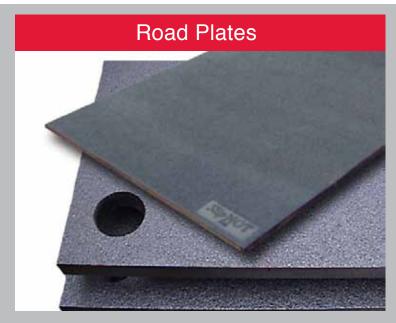
While we do not make drain covers, *Slip*NOT® applied to the surface of a metal drain cover / cap will transform any drain into a safe, productive environment. Many food and beverage processing plants utilize *Slip*NOT® on their drain covers to keep workers safe in a wet, greasy and slippery work environments. *Slip*NOT® drain covers are offered in steel, stainless steel, aluminum and galvanized steel.

PRODUCT INFORMATION

- o Thicknesses: Customer specific
- Widths: Customer specific
- Lengths: Customer specific
- o Drain covers can be custom fabricated to meet job specifications
- Available SlipNOT* surfaces: Aluminum, Stainless Steel, Steel and Galvanized Steel
- Drain covers are available in: Grade 1 (Fine), Grade 2 (Medium), Grade 3 (Course- Steel surface only)
- Div 5 CSI Classification Code: Surface Drains (33 44 60), Surface Trench
 Drains (33 46 00), Shop-Applied Coatings for Metal (05 05 13), Common
 Metal Materials (05 05 00)

If you have existing metal drain covers, send them to *Slip*NOT* to make them safe and eliminate a major area of slip and falls in your facility.

SlipNOT® Products



SlipNOT° road plates are ideal for high traffic areas that can become slippery with water, oil, gasoline and other substances. SlipNOT° traffic plates can be used to cover open trenches, sinkholes and areas of road construction. SlipNOT° road plates are offered in steel and galvanized steel.

PRODUCT INFORMATION

- o Thicknesses: 1", 1 1/4", 1 1/2" typically other sizes available
- o Stock widths: 4', 5', 6'
- o Stock lengths: 8', 10', 12'
- Road plates can be custom fabricated to meet job specifications lifting devices available by special order
- Available SlipNOT* surfaces: Steel and Galvanized Steel
- o Road plates are available in: Grade 3 (Coarse)
- Div 5 CSI Classification Code: Metal Floor Plates (05 54 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)

SlipNOT° road plates far exceed regulatory standards for minimum coefficient of friction. SlipNOT°'s extremely high bond strength and surface hardness ensures that this same high coefficient of friction surface will last throughout the installation and will not become dangerously slick like paint-on applications.



While *Slip*NOT® does not manufacture hatch or vault covers, *Slip*NOT® plates incorporated into cover designs ensure safety, minimize owner liabilities and exceed all regulatory requirements at federal, state and municipal levels. *Slip*NOT® slip resistant vault covers will keep workers and pedestrians safe when wet and slippery elements create an unsafe walking environment. Non-slip vault covers are durable and can be applied to gas, electric, water and telephone covers and many other applications. Plates for cover use are offered in stainless steel, aluminum and galvanized steel.

PRODUCT INFORMATION

- o Thicknesses: 3/16", 1/4", 5/16" typically other sizes available
- Widths: Customer specific
- \circ Lengths: Customer specific
- $\circ\,$ Plates can be custom fabricated to meet cover specifications
- o Available SlipNOT® surfaces: Stainless Steel, Aluminum and Galvanized Steel
- Vault covers are available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3
 (Coarse Galvanized steel surface only)
- Div 5 CSI Classification Code: Culverts, Manholes and Structures (33 05 30),
 Access Doors and Panels (08 31 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)

SlipNOT° plates ensure that underground utility vault access hatches, roof hatches and other access covers are safe and regulatory compliant through years of wear life.

DURABLE

High traction surface for long lasting durability

Expansion Joint Cover Plates



SlipNOT° expansion joint cover plates provide a durable high traction walking surface for pedestrian and vehicular traffic. Expansion joint covers are utilized for bridge sidewalks, parking decks, transportation platforms, walkways and other areas to meet public safety and regulatory compliance.

PRODUCT INFORMATION

- o Thicknesses: 3/16", 1/4", 5/16", 3/8", 1/2" or as specified
- o Lengths: Typically up to 12' longer lengths available
- Widths: 15" (FDOT), 16" (TXDOT) or per specification
- Expansion joint cover plates can be custom fabricated to meet job specifications
- Available SlipNOT* surfaces: Steel, Aluminum, Galvanized and Stainless Steel
- o Available alloys: A-572, 6061, 304, 316 or per specification
- o Expansion joints are available in: Grade 2 (Medium) and Grade 3 (Coarse)
- Available with edges beveled, center crown, countersunk holes and corner chamfers per FDOT, TXDOT or other agency standard
- o Div 5 CSI Classification Code: Expansion Control (07 95 00), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)

SlipNOT® expansion joint covers far exceed Florida and Texas Department of Transportation requirements. Incorporating SlipNOT® into expansion joint cover designs ensures permanent safety and long-term durability.

Custom Products



*Slip*NOT° non-slip products can be fabricated to fit into a plethora of applications including expansion joint covers, forklifts, amusement park rides, grand stands, platforms, catwalks and many others. Build in safety for pedestrians, motorists, bicyclists and your employees by using *Slip*NOT° slip resistant flooring products because of the file hard abrasive surface. *Slip*NOT° is not recommended for residential use.

PRODUCT INFORMATION

- o Thicknesses: Customer specific
- o Lengths and widths: Customer specific
- Customized shapes and sizes can be custom fabricated to meet job specifications
- o Available *Slip*NOT* surfaces: Stainless Steel, Aluminum and Steel
- Available in: Grade 1 (Fine), Grade 2 (Medium) and Grade 3 (Coarse - Steel surface only)
- Div 5 CSI Classification Code: Metal Fastenings (05 05 23), Shop-Applied Coatings for Metal (05 05 13), Common Metal Materials (05 05 00)

*Slip*NOT[®] is the one time answer for safety and productivity.

SlipNOT® Applications

PRODUCT APPLICATIONS:

- Access Ladders Bridge Decking Catwalks Drain Covers Loading Docks
- Mezzanines Platforms Sidewalk Vault Covers Stairways Trench Covers
- Among Many Others

INDUSTRIES SERVED:

- \circ $\,$ Aerospace $\,\circ\,$ Commercial $\,\circ\,$ Education $\,\circ\,$ Food & Beverage $\,\circ\,$ General
- Government Infrastructure Manufacturing Metals & Mining
- Oil & Gas Recreation Utility Water & Wastewater







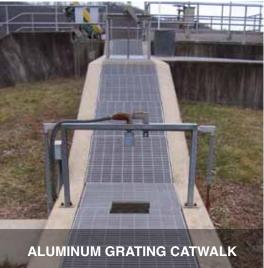




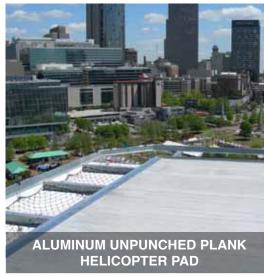


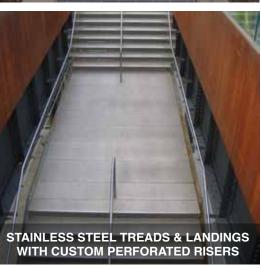
VERSATILE

Non-slip products for all walking surfaces







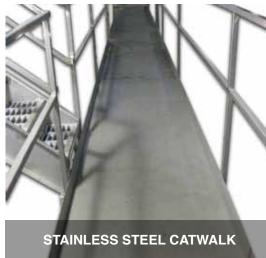








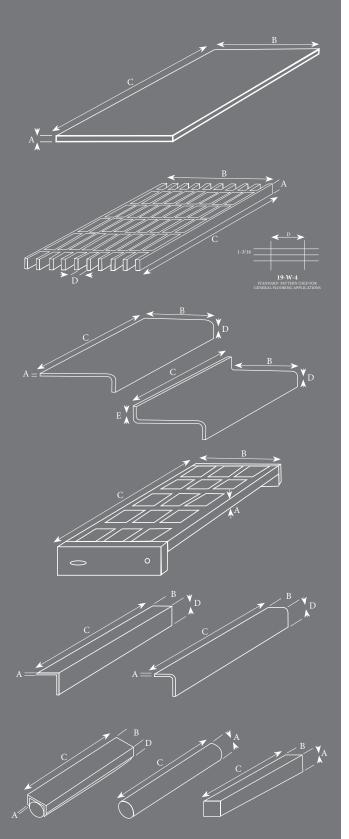




THE NON-SLIP SAFETY FLOORING FOR TODAY'S MOST CHALLENGING INDUSTRIAL APPLICATIONS

Components

ALL METAL AVAILABLE IN STEEL, ALUMINUM, STAINLESS STEEL AND GALVANIZED STEEL



DIVISION OF THE W.S. MOLNAR COMPANY

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GRIP PLATE® TYPICAL DESIGN RANGE / STANDARDS (IN INCHES)

SPECIAL SHAPES, SIZES AND FABRICATIONS ARE AVAILABLE TO YOUR PRINTS

A	B	C	
THICKNESS	STK WIDTH	STK LENGTH	
1/8 - 2 +	48 60 72*	96, 120, 144*	

*MAXIMUM AVAILABLE WIDTH 96" | CUT-TO-SIZE / SHAPE PLATES UP TO 72" WIDE AND 144" IN LENGTH

GRIP GRATE® TYPICAL DESIGN RANGE / STANDARDS (IN INCHES)

SPECIAL SHAPES, SIZES AND FABRICATIONS ARE AVAILABLE TO YOUR PRINTS

A BAR SIZE	B STK WIDTH	C STK LENGTH	D BAR SPACING	E OPTIONS	
1 x 3/16 1-1/4 x 3/16 1-1/2 x 3/16 1-3/4 x 3/16 2 x 3/16 (OTHERS AVAILABLE)	24, 36	240, 288	19-4 15-4 11-4 (ADA) 7-4 (ADA) (OTHERS AVAILABLE)	TRIM BANDED LOAD BANDED NO BANDING TOE PLATES	

TYPICAL DESIGN RANGE / STANDARDS (IN INCHES) & COVERS SPECIAL SHAPES, SIZES AND FABRICATIONS ARE AVAILABLE TO YOUR PRINTS

1/8 - 3/8 6 - 12 + 24 - 120 1-1/4 - 8 1-1/4 - 8

(INCREMENTS OF 1/16)

(INCREMEN OF 1/16)

OF 1/16)

COVERS BENT AT 90 DEGREES OR TO DEGREE ANGLE SPECIFIED

(INCREMENTS OF 1/16)

COVERS ARE AVAILABLE FORMED TO DETAIL WITH OR WITHOUT MOUNTING PLATES

(INCREMENTS OF 1/16)

* COUNTERSUNK HOLES AVAILABLE TO BOLTED INSTALLATIONS

BAR GRATING TYPICAL DESIGN RANGE / STANDARDS (IN INCHES)

TREADS SPECIAL SHAPES, SIZES AND FABRICATIONS ARE AVAILABLE TO YOUR PRINTS

A	B	C	D	E
THICKNESS	width	LENGTH	SPACING	OPTIONS
1 x 3/16 1 1/4 x (etc.)	6-3/16 - 12-1/8 (INCREMENTS OF 1-3/16)	AS SPECIFIED (INCREMENTS OF 1/16)	19-4 15-4 11-4 (ADA) 7-4 (ADA) (OTHERS AVAILABLE)	

* AVAILABLE WITH AND WITHOUT NOSINGS AND STANDARD MOUNTING PLATES

NOSINGS TYPICAL DESIGN RANGE / STANDARDS (IN INCHES)

SPECIAL SHAPES, SIZES AND FABRICATIONS ARE AVAILABLE TO YOUR PRINTS

A THICKNESS	B WIDTH	LENGTH	D NOSING	L OPTIONS
1/8 - 1/4 (INCREMENTS OF 1/16)	1-1/4 - 4	24 - 120	1-1/4 - 2 + (INCREMENTS OF 1/16)	FORMED PLATE STRUCTURAL ANGLE

LADDER RUNGS TYPICAL DESIGN RANGE / STANDARDS (IN INCHES) & COVERS

SPECIAL SHAPES, SIZES AND FABRICATIONS ARE AVAILABLE TO YOUR PRINTS

	A THICKNESS	$_{ m WIDTH}$	C STK LENGTH	D LENGTH 2	
LADDER RUNG COVER	1/8	1, 1-1/4	120	1/2	
ROUND LADDER RUNG	3/4, 1	-	120	-	
SQUARE LADDER RUNG	3/4, 1	-	120	=	
(ALSO AVAILABLE CUT	TO SPECIFIC TR	EAD LENGTH(S))			

* CUSTOM DESIGNS AVAILABLE. PLEASE CONTACT US FOR MORE INFORMATION.