

# Ladder Rungs

**Ladder Rungs** are available in four common constructions:

Traction-Tread™ - 2, 3, and 4 hole

Grip Strut® - standard and reverse diamond

Abrasive coated solid ladder rungs - round, square or tubes

Abrasive coated ladder rung covers - 1" and 1-1/4"

Material options include hrp&o carbon steel, pre-galvanized carbon steel, aluminum and stainless steel.

Each construction offers it's own unique properties and applications. Consider your needs regarding weight, strength and slip resistance in conjunction with whether installation will be indoor or outdoor. Outdoor applications might need to consider corrosion resistance as well as a more aggressive surface for safe use in snow and ice conditions.

## GRIP STRUT® LADDER RUNGS

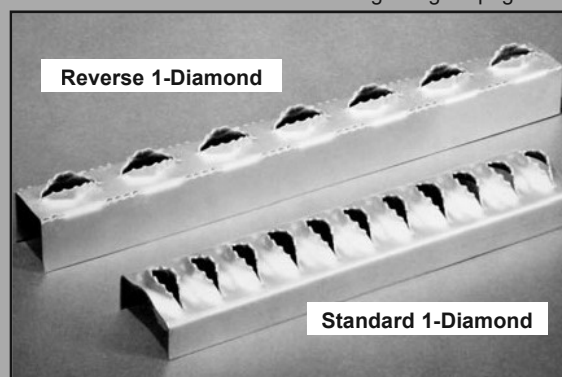
Serrated open diamond pattern in the web of the channel allows debris to fall through providing safe footing indoors and out.

**Material:** 14 ga. Pre-Galvanized and HRP&O Plain Steel  
**Width:** 2-1/2"; Rev. Diamond 1-5/8"  
**Height:** 1-1/8"; Rev. Diamond 1-5/8"  
**Length:** 3', 4', 10', 12' or cut to size; Rev. Diamond 23-1/8"  
**Weight:** 1.13 lbs/ft  
**Safety Factor:** 1.5 (steel)

Please refer to the Grip Strut® section of this catalog for product information -beginning on page 112

14 Gauge Steel Load Table							
Catalog Number		Clear Span					
		16"	18"	20"	24"	30"	36"
LG1	C	528	469	422	352	281	234
	D	.06	.07	.09	.13	.21	.30

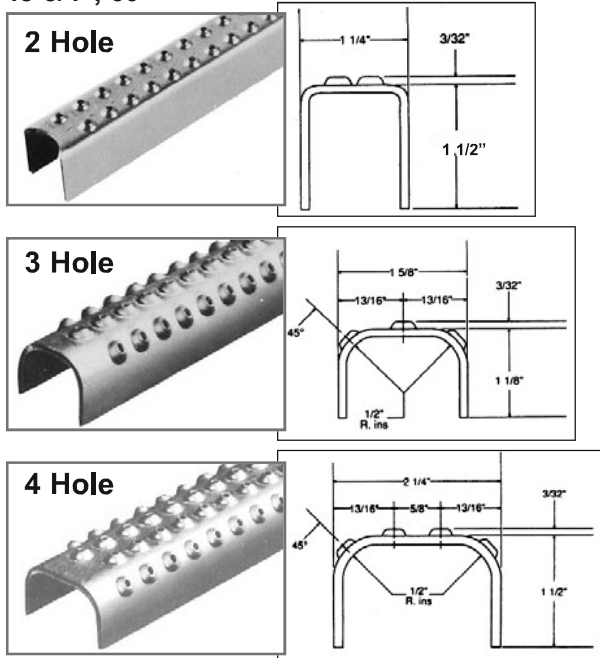
C - Concentrated Live Load (lb); D - Corresponding Deflection (in)  
 Note: Values based on concentrated load placed at mid-span.



## TRACTION-TREAD™ LADDER RUNGS

Small channel shaped sections; the web of the channel being the walking surface which is covered with small perforated dimples, produced by a cold forming process. Available in 2, 3, or 4 hole configurations.

**Material:** 13 & 11 ga. Pre-Galvanized and HRP&O Plain Steel  
.125" ga. 5052-H32 Aluminum  
Type 304 16 ga. Stainless Steel  
**Length:** 48-3/4", 60"



Please refer to the Traction-Tread™ section of this catalog for product information -beginning on pg 156.

1-1/4" Wide (2 Hole)							
Type	Weight (lb/ft)	Catalog Number		Clear Span			
				16"	18"	20"	24"
Steel 11 ga.	1.2	LT2 (plain)	C	377	339	308	265
	1.6	LTG2 (galv)	D	.01	.02	.03	.04
Stainless Steel 16 ga.	.83	LTS2	C	Not Available			
			D				
Aluminum .125 ga.	0.5	LTA2	C	Not Available			
			D				
1-5/8" Wide (3 Hole)							
Steel 13 ga.	1.1	LT3 (plain) LTG3 (galv)	C	260	230	200	175
			D	.02	.03	.04	.07
Stainless Steel 16 ga.	.73	LTS3	C	280	250	225	185
			D	.04	.05	.07	.08
Aluminum .125 ga.	0.5	LTA3	C	240	214	193	161
			D	.07	.09	.10	.14
2-1/4" Wide (4 Hole)							
Steel 13 ga.	1.5	LT4 (plain) LTG4 (galv)	C	490	440	400	345
			D	.03	.05	.05	.07
Stainless Steel 16 ga.	1.0	LTS4	C	415	375	340	290
			D	.02	.03	.04	.05
Aluminum .125 ga.	0.7	LTA4	C	390	350	320	255
			D	.28	.04	.05	.07
C - Concentrated Live Load (lb); D - Corresponding Deflection (in) Note: All concentrated loads include a safety factor of 1.67; Tolerance on all dimensions +/-1/8".							

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Note: All concentrated loads include a safety factor of 1.67; Tolerance on all dimensions  $\pm 1/8"$ .

## ABRASIVE COATED LADDER RUNGS & COVERS

Abrasive coated ladder rungs and ladder rung covers provide essential safety for ladder construction. The abrasive coating is applied through a metal plasma stream deposition providing a superior slip resistant surface.

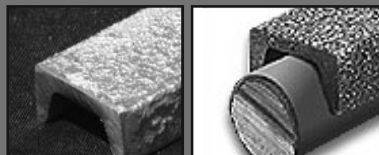
### SOLID LADDER RUNGS



**Material:** Steel, Aluminum, Stainless Steel  
**Shape:** round, square or tubes  
**Thickness:** 3/4", 1" or as specified  
**Length:** up to 120" - steel, up to 144" stainless steel and aluminum  
**Grade:** Grade 1-Fine, Grade 2-Medium

Please refer to Abrasive Coatings on page 190 for product information

### LADDER RUNG COVERS



**Material:** Steel, Galvanized, Aluminum, Stainless Steel  
**Thickness:** 1/8"  
**Width:** 1" (for 3/4" dia. rungs), 1-1/4" (for 1" dia. rungs)  
**Length:** up to 120" - steel and galvanized, up to 144" stainless steel and aluminum  
**Grade:** Grade 1-Fine (except galvanized), Grade 2-Medium

Abrasive coated ladder rungs exceed all requirements for coefficient of friction specified by ANSI, ASTM, ADA, NFPA, and OSHA.