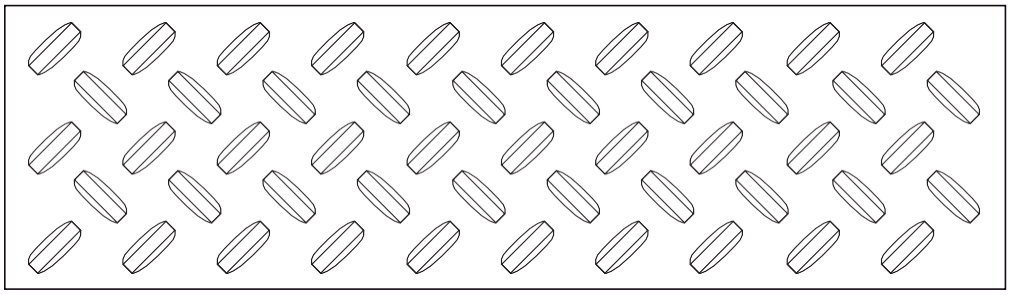
Checkered Plate

ALGOMA STEEL INC.
YOUR PARTNER IN STEEL. SINCE 1901

AlgoGrip Lite checkered plate is characterized by a raised angular pattern rolled onto the surface of the plate to provide skid resistance. This angular pattern provides an excellent omni-directional surface for both vehicular and pedestrian traffic. Since there are no pockets to collect grease, dirt or liquids, Algoma checkered plate is easy to keep clean and dry.

Checkered plate is available in widths up to 96” (2440 mm) in coil and cut lengths. These wider widths available from Algoma can lead to lower handling and fabricating costs as well as a more attractive finished product, with fewer seams. AlgoGrip Lite checkered plate can be readily cold formed and welded using conventional equipment and good shop practices.



Grades Available:

- SAE J403 1008, 1010, 1012, 1015, 1018, 1020, 1022
- CSA G40.21 38W, 44W, 50W (260W, 300W, 50W)
- ASTM A36
- ASTM A572 Grade 50
- ASTM A606 Type 4
- ASTM A786 / A786 M

Manufacturing Tolerances	
Gauge Range (in)	**Tolerance (in)**
≤ 0.080	± 0.012
> 0.080 – 0.125	± 0.014
> 0.125 – 0.190	± 0.015
> 0.190 – 0.250	± 0.017
> 0.250 – 0.395	± 0.018
> 0.395 – 0.625	± 0.020

AlgoGrip Lite is manufactured to the general requirements of ASTM A786/ASTM A786M

Grades: SAE J403 1008, 1010, 1012				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.120 (3.0)	0.394 (10.0)	54 (1372)	720 (18290)
48 (1220)	0.120 (3.0)	0.394 (10.0)	54 (1372)	720 (18290)
60 (1524)	0.120 (3.0)	0.394 (10.0)	54 (1372)	720 (18290)
72 (1830)	0.138 (3.5)	0.375 (9.5)	54 (1372)	720 (18290)
84 (2134)	0.162 (4.1)	0.375 (9.5)	54 (1372)	720 (18290)
96 (2440)	0.185 (4.7)	0.375 (9.5)	54 (1372)	720 (18290)

*for nominal thickness <0.189” (4.8 mm), inquire for lengths above 384” (9750 mm), maximum width/gauge ratio = 520
*for nominal thickness >0.250” (6.35 mm), inquire for lengths shorter than 96” (2440 mm),

Grades: SAE J4031018, 1020, 1022				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.120 (3.0)	0.375 (9.5)	54 (1372)	720 (18290)
48 (1220)	0.120 (3.0)	0.375 (9.5)	54 (1372)	720 (18290)
60 (1524)	0.120 (3.0)	0.375 (9.5)	54 (1372)	720 (18290)
72 (1830)	0.144 (3.7)	0.375 (9.5)	54 (1372)	720 (18290)
84 (2134)	0.168 (4.3)	0.375 (9.5)	54 (1372)	720 (18290)
96 (2440)	0.192 (4.9)	0.375 (9.5)	54 (1372)	720 (18290)

*for nominal thickness <0.189” (4.8 mm), inquire for lengths above 384” (9750 mm), maximum width/gauge ratio = 500
*for nominal thickness >0250” (6.35 mm), inquire for lengths shorter than 96” (2440 mm),

Grades: ASTM A36, CSA G40.21 38W (260W)				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.120 (3.0)	0.500 (12.7)	54 (1372)	720 (18290)
48 (1220)	0.120 (3.0)	0.500 (12.7)	54 (1372)	720 (18290)
60 (1524)	0.120 (3.0)	0.500 (12.7)	54 (1372)	720 (18290)
72 (1830)	0.144 (3.7)	0.500 (12.7)	54 (1372)	720 (18290)
84 (2134)	0.168 (4.3)	0.500 (12.7)	54 (1372)	720 (18290)
96 (2440)	0.192 (4.9)	0.500 (12.7)	54 (1372)	720 (18290)

*for nominal thickness <0.189” (4.8 mm), inquire for lengths above 384” (9750 mm), maximum width/gauge ratio = 500

Grades: ASTM A572 Grade 50**, CSA G40.21 44W (300W), 50W (350W)				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.120 (3.0)	0.375 (9.5)	54 (1372)	720 (18290)
48 (1220)	0.120 (3.0)	0.375 (9.5)	54 (1372)	720 (18290)
60 (1524)	0.150 (3.8)	0.375 (9.5)	54 (1372)	720 (18290)
72 (1830)	0.180 (4.6)	0.312 (7.9)	54 (1372)	720 (18290)
84 (2134)	0.210 (5.3)	0.312 (7.9)	54 (1372)	720 (18290)
96 (2440)	0.240 (6.0)	0.312 (7.9)	54 (1372)	720 (18290)

* for nominal thickness <0.189” (4.8 mm) width/gauge ratio = 400
**A572-50 certifications applicable to cut lengths only. Coils are manufactured to the general requirements of ASTM A635 and certified to the chemistry of A572 Grade 50.

Note: Coil weights up to 45,000 lbs (20,400 kg) are available.

Inside Coil Diameter - 30” (762 mm), Camber - Standard hot rolled checkered plate tolerance is .375” (9.5 mm) in any 60” (1525 mm) of cut length. Pattern to ASTM A786, Pattern 4. Thickness refers to the nominal thickness of the plate and does not include the raised lug height.

The CTL processing required for material over .250” (6.4 mm) in thickness and over 384” (9754 mm) in length will result in the material being delivered with the lugs on the underside of each piece. Other grades, dimensions, and specifications may be available, subject to inquiry.

Grades: SAE J403 1008, 1010, 1012				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.075 (1.9)0.098 (2.5)	0.625 (15.8)	54 (1372)	720 (18290)
48 (1220)	0.080 (2.0) 0.098 (3.2)	0.625 (15.8)	54 (1372)	720 (18290)
60 (1524)	0.100 (2.54) 0.10 (2.54)	0.625 (15.8)	54 (1372)	720 (18290)

*for nominal thickness <0.189" (4.8 mm), inquire for lengths above 384" (9750 mm), maximum width/gauge ratio = 650:1 (600:1 >51.2")

Grades: SAE J403 1018, 1020, 1022				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.079 (2.0) 0.126 (3.2)	0.625 (13.97)(15.8)	54 (1372)	720 (18290)
48 (1220)	0.87 (2.23) 0.126 (3.2)	0.625 (13.97)(15.8)	54 (1372)	720 (18290)
60 (1524)	0.110 (2.79) 0.126 (3.2)	0.625 (3.97)(15.8)	54 (1372)	720 (18290)

*for nominal thickness <0.189" (4.8 mm), inquire for lengths above 384" (9750 mm), maximum width/gauge ratio = 560

Grades: ASTM A36, CSA G40.21 38W (260W)				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.079 (2.0) 0.126 (3.2)	0.625 (15.87) 0.500 (12.70)	54 (1372)	720 (18290)
48 (1220)	0.087 (2.23) 0.126 (3.2)	0.500 (12.70) 0.625 (15.87)	54 (1372)	720 (18290)
60 (1524)	0.110 (2.79) 0.126 (3.2)	0.500 (12.70) 0.625 (15.87)	54 (1372)	720 (18290)

*for nominal thickness <0.189" (4.8 mm), inquire for lengths above 384" (9750 mm), maximum width/gauge ratio = 560

Grades: ASTM A572 Grade 50**, CSA G40.21 44W (300W), 50W (350W)				
Standard Widths	Nominal Thickness		Lengths	
in (mm)	min in (mm)	max in (mm)	min in (mm)	max in (mm)*
36 (915)	0.090 (2.3) 0.177 (4.5)	0.625 (15.8)	54 (1372)	720 (18290)
48 (1220)	0.087 (2.23) 0.177 (4.5)	0.625 (15.8)	54 (1372)	720 (18290)
60 (1524)	0.110 (2.79) 0.177 (4.5)	0.560 (14.22)	54 (1372)	720 (18290)

* for nominal thickness <0.189" (4.8 mm) width/gauge ratio = 560
**A572-50 certifications applicable to cut lengths only. Coils are manufactured to the general requirements of ASTM A635 and certified to the chemistry of A572 Grade 50.

Note: Coil weights up to 60,000 lbs (27,215 kg) are available.

Inside Coil Diameter - 30" (762 mm), Camber - Standard hot rolled checkered plate tolerance is .375" (9.5 mm) in any 60" (1525 mm) of cut length. Pattern to ASTM A786, Pattern 4. Thickness refers to the nominal thickness of the plate and does not include the raised lug height.

The CTL processing required for material over .250" (6.4 mm) in thickness and over 384" (9754 mm) in length will result in the material being delivered with the lugs on the underside of each piece. Other grades, dimensions, and specifications may be available, subject to inquiry.

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