

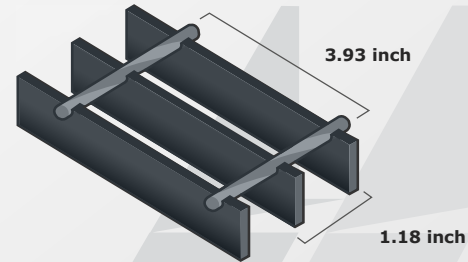
# WE ARE MANUFACTURERS



## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 4  
1/4" X 1 1/2"  
0.28  
Plain  
Mill, painted, galvanized  
NAAMM MBG 532 - 17  
ASTM 1011/A36  
ASTM A -123  
6.29



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch							
		18	30	42	48	60	66	72	
1.5	0.25	<b>U</b>	2495	898	458	351	225	186	156
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743
		<b>C</b>	1871	1123	802	702	561	510	468
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595

- U: Uniform load (Kg/Sqft)
- Du: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

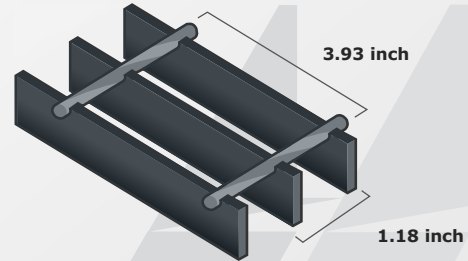
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 4  
 1/4" X 1 1/4"  
 0.28  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 532 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 5.3



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch						
		18	30	42	48	60	66	
1.25	0.25	<b>U</b>	2495	898	458	351	225	186
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626
		<b>C</b>	1871	1123	802	702	561	510
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499

- U: Uniform load (Kg/Sqft)
- C: Concentrated load at mid-span (Kg/ft)
- Du: Uniform load deflection (ft)
- DC: Concentrated load at mid-span (Kg/ft)

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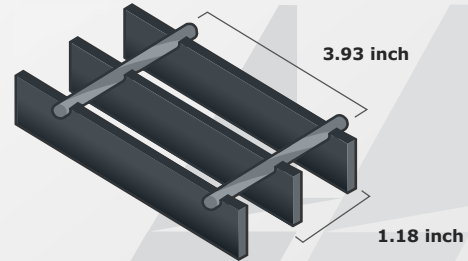
# WE ARE MANUFACTURERS



## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 4  
 1/4" X 1"  
 0.28  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 532 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 4.3



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch				
		18	30	42	48	
1	0.25	<b>U</b>	2495	898	458	351
		<b>Du</b>	0.046	0.129	0.253	0.33
		<b>C</b>	1871	1123	802	702
		<b>Dc</b>	0.037	0.103	0.202	0.264

- U: Uniform load (Kg/Sqft)
- C: Concentrated load at mid-span (Kg/ft)
- Du: Uniform load deflection (ft)
- Dc: Concentrated load at mid-span (Kg/ft)

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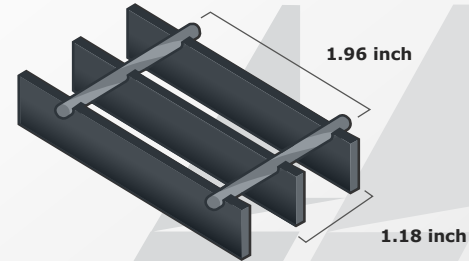
# WE ARE MANUFACTURERS



## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/M2**

W19 - 4  
1/4" X 2 1/2"  
0.28  
Plain  
Mill, painted, galvanized  
NAAMM MBG 532 - 17  
ASTM 1011/A36  
ASTM A -123  
10.29



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
2.5	0.25	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- C: Concentrated load at mid-span (Kg/ft)
- Du: Uniform load deflection (ft)
- DC: Concentrated load at mid-span (Kg/ft)

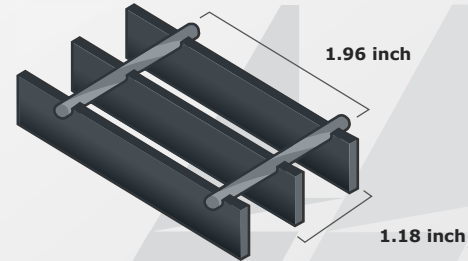
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 4  
 1/4" X 2"  
 0.28  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 532 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 8.29



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
2	0.25	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- C: Concentrated load at mid-span (Kg/ft)
- Du: Uniform load deflection (ft)
- DC: Concentrated load at mid-span (Kg/ft)

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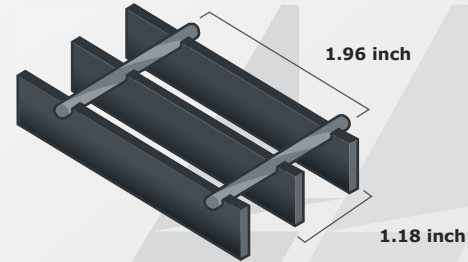


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**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 4  
 3/8" X 3"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 531 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 18.51



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
3	0.37	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- DU: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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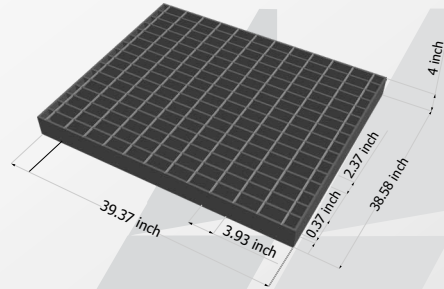
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**MODULE DIMENSIONS**

W38 - 100  
 3/8" X 4"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 531 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 38.38 X 39.37 inch



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch
4	0.375	42
		U 458
		Du 0.253
		C 802
		Dc 0.202

- U: Uniform load (Kg/Sqft)
- Du: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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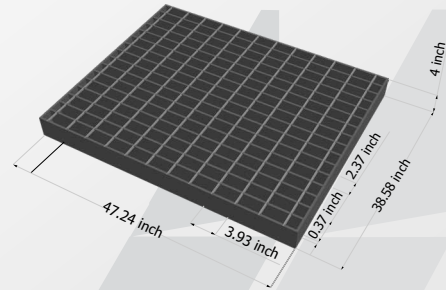
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**MODULE DIMENSIONS**

W38 - 100  
 3/8" X 4"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 531 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 38.38 X 47.24 inch



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch
4	0.375	48
		U 351
		Du 0.33
		C 702
		Dc 0.264

- U: Uniform load (Kg/Sqft)
- Du: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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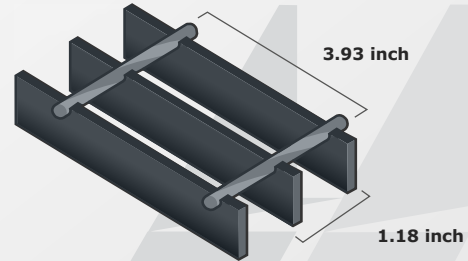
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 4  
 3/8" X 4"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 531 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 24.51



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
4	0.375	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- C: Concentrated load at mid-span (Kg/ft)
- Du: Uniform load deflection (ft)
- DC: Concentrated load at mid-span (Kg/ft)

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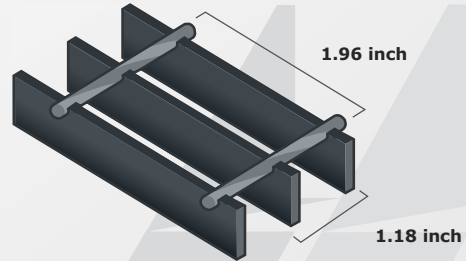
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W19 - 50  
 3/8" X 3"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 531 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 18.51



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch		SPAN inch								
			18	30	42	48	60	66	72	84	90
3	0.37	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- Du: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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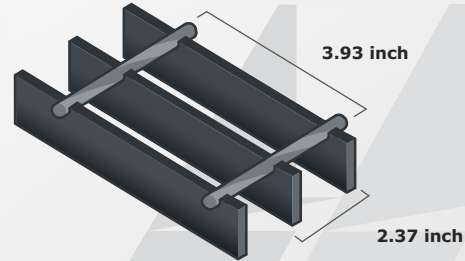
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W38 - 100  
 3/8" X 3"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 532 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 9.49



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
3	0.37	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- DU: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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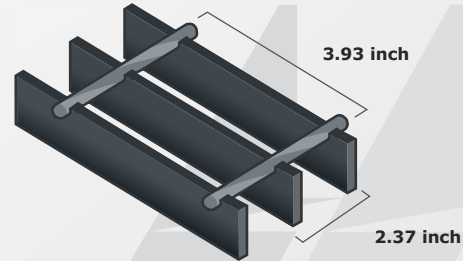
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W38 - 100  
 3/8" X 4"  
 0.37  
 Plain  
 Mill, painted, galvanized  
 NAAMM MBG 532 - 17  
 ASTM 1011/A36  
 ASTM A -123  
 38.38 X 47.24 inch.



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
4	0.37	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

- U: Uniform load (Kg/Sqft)
- DU: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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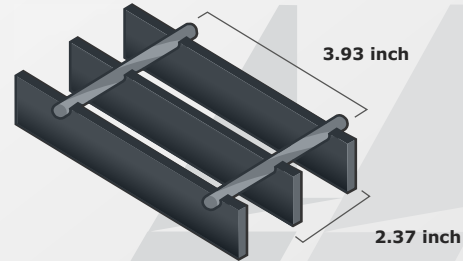
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## ELECTROFORGED HEAVY TRAFFIC GRATING

**TYPE**  
**BEARING BAR**  
**CROSS BAR**  
**SURFACE**  
**FINISHED**  
**MANUFACTURING STANDARD**  
**STEEL STANDARD**  
**GALVANIZED STANDARD**  
**WEIGHT KG/SQFT**

W38 - 100  
3/8" X 4"  
0.37  
Plain  
Mill, painted, galvanized  
NAAMM MBG 532 - 17  
ASTM 1011/A36  
ASTM A -123  
12.49



Loads calculated on the basis of nominal specifications of the materials, calculated distance based on truck load type H-20, another load consult engineering.

DEPHT inch	THICKNESS inch	SPAN inch									
		18	30	42	48	60	66	72	84	90	
4	0.37	<b>U</b>	2495	898	458	351	225	186	156	115	100
		<b>Du</b>	0.046	0.129	0.253	0.33	0.517	0.626	0.743	1.015	1.163
		<b>C</b>	1871	1123	802	702	561	510	468	401	374
		<b>Dc</b>	0.037	0.103	0.202	0.264	0.413	0.499	0.595	0.809	0.928

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- DU: Uniform load deflection (ft)
- C: Concentrated load at mid-span (Kg/ft)
- DC: Concentrated load at mid-span (Kg/ft)

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