

STEEL PRODUCTS CATALOG

2026 EDITION

Your trusted partner for industrial-grade
steel products and solutions.



PRODUCT LINES

Steel Bar Grating

Light & Heavy Duty

Steel Plate

A36, A283-C, A516 & more

HSS Structural Tubing

Square & Rectangular

HSS Mechanical Tubing

Square & Rectangular

ERW / DSAWH Pipe

Round, Line & Helical

Purlin C-Type

Structural C-Purlins

Stair Treads & Accessories

Grating Fasteners & Clips

About Tas & Zaz



WHO WE ARE

Tas & Zaz is a specialized steel products distributor connecting industrial buyers in the US market with top-tier Mexican and North American manufacturers. We source from certified, NAAMM-member suppliers to deliver consistent quality, competitive pricing, and reliable lead times.

Our product range spans structural steel, bar grating, piping, tubing, and plate — everything your project needs from a single, trusted partner.

Supplier Certifications: ISO 9001 · ANSI/NAAMM MBG-531/532/533 · ASTM-A123 · CFE-LAPEM · API 5L

NAAMM-Certified Supply Chain

All grating suppliers are active NAAMM members with ISO 9001 certification.

Wide Product Range

Grating, plate, HSS, pipe, tubing, purlins, stair treads — all in one catalog.

Consolidated Specs

One document. No duplication. The right spec every time.

US & Mexico Operations

Fast delivery across North America with warehouse availability.

Steel Bar Grating — Overview



PRODUCT DESCRIPTION

Steel bar grating is manufactured through the electro-forged welding process, fusing parallel bearing bars and cross bars using high electric current and mechanical pressure — without filler material. This creates a homogeneous, high-strength product meeting ANSI/NAAMM MBG-531, 532, and 533 specifications.

COMMON APPLICATIONS

- Industrial & commercial plant floors
- Offshore platforms & marine decks
- Mining & underground vents
- Catwalks, mezzanines & walkways
- Stair treads & machine rooms
- Trench & storm drains
- Heliports & boiler rooms
- Water treatment plants

KEY SPECIFICATIONS

Standard Panel Size

3 ft × 20 ft (up to 4 ft × 30 ft)

Bearing Bar Thickness

1/8" to 3/8"

Bearing Bar Depth

3/4" to 5"

Cross Bar Spacing

2" (W2) or 4" (W4)

Finishes

Mill · Black Paint · Hot-Dip Galvanized · Powder Coat

Surface

Smooth (Flat) · Serrated

Standards

ANSI/NAAMM MBG-531/532/533 · ISO 9001 · ASTM A-123

Steel Bar Grating — Spacing Types & Identification



The grating identification code indicates bearing bar spacing and cross bar pitch. Example: "19W4" = 19/16" bearing bar spacing, W=Welded, 4=4" cross bar spacing.

Model	Bearing Bar Spacing	Cross Bar Spacing	Typical Use
11W2	11/16"	2"	Dense grid, heavy pedestrian traffic
11W4	11/16"	4"	Dense grid, light-duty flooring
13W2	13/16"	2"	Close spacing, general industrial
13W4	13/16"	4"	General industrial flooring
15W2	15/16"	2"	Standard industrial platforms
15W4	15/16"	4"	Standard light-duty
16W2	15.5/16"	2"	Near-standard bearing bar spacing
16W4	15.5/16"	4"	Near-standard, light applications
19W2	19/16" (STANDARD)	2"	Standard — most common, higher load capacity

Load conversion factors vs 19W4: 11W = x1.50 | 13W = x1.44 | 15W = x1.24 | 16W = x1.23 | 19W = Standard (x1.00)

Light Duty Grating — Allowable Loads (19W4 Standard)



U = Uniform Load (psf) | C = Concentrated Load at mid-span (lb/ft) | Values shown are U (uniform) for key spans. For serrated grating: add 1/4" to bearing bar depth.

Bearing Bar	psf Wt	24"	30"	36"	42"	48"	54"	60"	72"	84"	96"	C @ 24"
3/4 x 1/8	3.84	355	227	158	116	89	—	—	—	—	—	178
3/4 x 3/16	5.49	533	341	237	174	—	—	—	—	—	—	266
1 x 1/8	4.94	632	404	281	206	158	125	—	—	—	—	316
1 x 3/16	7.14	947	606	421	309	237	187	152	105	—	—	474
1-1/4 x 1/8	6.04	987	632	439	322	247	195	158	—	—	—	493
1-1/4 x 3/16	9.33	1,480	947	658	483	370	292	237	164	121	93	740
1-1/2 x 1/8	7.35	1,421	909	632	464	355	281	227	158	—	—	711
1-1/2 x 3/16	11.29	2,132	1,364	947	696	533	421	341	237	174	135	1,066
1-3/4 x 3/16	13.08	2,901	1,857	1,289	947	725	573	464	322	237	181	1,451
2 x 3/16	15.54	3,789	2,425	1,684	1,237	947	749	606	421	309	237	1,895
2-1/4 x 3/16	17.86	4,796	3,069	2,132	1,566	1,199	947	767	533	392	304	2,398
2-1/2 x 3/16	21.09	5,921	3,789	2,632	1,933	1,480	1,170	947	658	483	376	2,961

* Multiply by conversion factor for other models: 11W=x1.50 | 13W=x1.44 | 15W=x1.24 | 16W=x1.23 | 19W=Standard

Heavy Duty Grating — Maximum Span (in.) by Load Type



Models 38W2 and 38W4 | Bearing bar thickness 1/4" or 3/8" | Depth 1" to 5" | Values = max suggested span in inches

Depth × Thickness	Wt psf	H-20 Load	H-15 Load	5-Ton Lift	3-Ton Lift	1-Ton Lift	Notes
1 × 1/4	9.7	10	9	12	7	7	Car traffic OK
1 × 3/8	14.0	13	11	16	9	9	Car traffic OK
1-1/4 × 1/4	11.9	13	12	17	9	10	Car traffic OK
1-1/4 × 3/8	17.2	16	14	23	12	14	Car traffic OK
1-1/2 × 1/4	14.0	16	14	23	11	13	Car traffic OK
1-1/2 × 3/8	20.5	20	18	30	14	19	Car traffic OK
1-3/4 × 1/4	16.2	19	17	29	14	17	Car traffic OK
1-3/4 × 3/8	23.7	23	21	38	18	25	Car traffic OK
2 × 1/4	18.3	22	20	37	16	22	Car traffic OK
2 × 3/8	26.9	28	26	46	22	33	Car traffic OK
2-1/2 × 1/4	22.6	28	27	52	22	34	
2-1/2 × 3/8	33.3	40	36	59	31	50	
3 × 1/4	26.9	37	35	62	30	49	
3 × 3/8	39.8	52	49	71	43	61	
4 × 1/4	35.5	59	57	83	50	71	
4 × 3/8	52.7	68	69	95	66	81	

H-20/H-15 = AASHTO highway load ratings. Values in inches represent maximum suggested clear span.

Grating — Finishes, Stair Treads & Fasteners



AVAILABLE FINISHES & SURFACES

Mill (Natural)

Bearing bar and cross bar uncoated. For interior or painted applications.

Black Paint

Water-based or powder coat paint finish.

Hot-Dip Galvanized

Per ASTM A-123. Excellent corrosion resistance for outdoor/marine use.

Powder Coating

Applied electrostatically and cured under heat. Custom colors available.

SURFACES: Flat/Smooth — Standard. Serrated (Toothed) — Notched top for increased traction; add 1/4" to required depth.

STAIR TREADS

Steel stair treads with serrated or smooth bearing bar. Include two side carrier plates and front nosing for easy installation on stair stringers.

Available widths: 8-2/3" | 9-5/6" | 11" | 12-1/5"

Bearing Bar	Smooth Max Len.	Serrated Max Len.
3/4 x 3/16	2'-4"	2'-10"
1 x 3/16	3'-5"	3'-4"
1-1/4 x 3/16	4'-8"	4'-6"
1-1/2 x 3/16	5'-6"	5'-6"

GRATING FASTENERS

Type G and Type M clips — 14-gauge ASTM A-36 carbon steel sheet. Available in natural or galvanized finish. Installed with simple hand tools, no welding required. Recommend 4 clips per linear meter. Hexagonal head screw 1/4" x 2" included.

Steel Plate — Weight Reference Table



Grades: A36 · A283-C · A516 G70 · A709 G50 · A572 G50/G65 · SAE1045 | Custom sizes & grades available on request.

Thick (in)	Dec.	mm	6'x20' (lb)	6'x40' (lb)	8'x20' (lb)	8'x40' (lb)	10'x20' (lb)	10'x40' (lb)
3/8"	0.375	9.53	834	1,667	1,111	2,223	1,389	2,779
7/16"	0.437	11.10	971	1,943	1,295	2,590	1,619	3,238
1/2"	0.500	12.70	1,111	2,223	1,482	2,964	1,852	3,705
9/16"	0.562	14.28	1,249	2,499	1,666	3,331	2,082	4,164
5/8"	0.625	15.88	1,389	2,779	1,852	3,705	2,315	4,631
3/4"	0.750	19.05	1,667	3,334	2,223	4,446	2,779	5,557
7/8"	0.875	22.23	1,945	3,890	2,593	5,187	3,242	6,483
1"	1.000	25.40	2,223	4,446	2,964	5,928	3,705	7,410
1-1/8"	1.125	28.58	2,501	5,001	3,334	6,669	4,168	8,336
1-1/4"	1.250	31.75	2,779	5,557	3,705	7,410	4,631	9,262
1-3/8"	1.375	34.93	3,056	6,113	4,075	8,151	5,094	10,188
1-1/2"	1.500	38.10	3,334	6,669	4,446	8,891	5,557	—
1-3/4"	1.750	44.45	3,890	7,780	5,187	10,373	6,483	12,967
2"	2.000	50.80	4,446	8,891	5,928	11,855	7,410	—
2-1/4"	2.250	57.15	5,001	10,003	6,669	13,337	8,336	—
2-1/2"	2.500	63.50	5,557	11,114	7,410	—	9,262	—
3"	3.000	76.20	6,669	—	8,891	—	11,114	—
4"	4.000	101.60	8,891	—	11,855	—	—	—

* Subject to production area review. LEED v4 compliant: MRc2 Recycled Content · MRc4 Regional Materials · Waste Management credits.

HSS Structural Tubing — Square & Rectangular



Grade: ASTM A500 Gr. B/C | Standard Length: 12.20 m / 40.02 ft | Special sizes available on request.

SQUARE SECTIONS

Size	Wall (in)	Kg/m	Lb/ft	Lb/piece
4"x4"	3/16	14.02	9.42	114.93
4"x4"	1/4	18.17	12.21	148.96
5"x5"	3/16	17.81	11.97	146.04
5"x5"	1/4	23.25	15.62	190.57
6"x6"	3/16	21.62	14.53	177.27
6"x6"	1/4	28.31	19.02	232.06
6"x6"	1/2	52.44	35.24	429.92
8"x8"	3/16	29.21	19.57	238.76
8"x8"	1/4	38.42	25.82	315.02
8"x8"	1/2	72.70	48.85	596.00
10"x10"	1/4	48.56	32.63	398.11
10"x10"	3/8	71.28	47.90	584.41
12"x12"	1/4	58.68	39.43	481.07
12"x12"	1/2	113.21	76.07	928.10
14"x14"	3/8	101.66	68.31	833.42
14"x14"	1/2	133.46	89.69	1,094.15
16"x16"	3/8	116.85	78.52	957.99
16"x16"	1/2	153.73	103.30	1,260.32

RECTANGULAR SECTIONS

Size	Wall (in)	Kg/m	Lb/ft	Lb/piece
6"x4"	3/16	17.81	11.97	146.04
6"x4"	3/8	33.29	22.37	272.92
8"x4"	3/16	21.62	14.53	177.27
8"x4"	3/8	40.90	27.48	335.27
10"x6"	3/16	29.21	19.63	239.50
10"x6"	1/2	72.70	48.85	596.00
12"x8"	1/4	48.56	32.63	398.11
12"x8"	1/2	92.95	62.46	762.05
14"x6"	1/4	48.56	32.63	398.11
14"x6"	1/2	92.95	62.46	762.05
14"x10"	1/4	58.68	39.43	481.07
14"x10"	1/2	113.21	76.07	928.10
16"x8"	1/4	58.68	39.43	481.07
16"x8"	1/2	113.21	76.07	928.10
16"x12"	5/16	101.66	68.31	833.42
16"x12"	1/2	133.46	89.69	1,094.15

PTR — Square & Rectangular Mechanical Tubing



Standard: ASTM A500 / A513 | Length: 6.00 m | Finish: Natural (Black) | Special sizes made to order.

SQUARE TUBING

Size (in)	Gauge	Thick (in)	Kg/m	Pcs/Bundle
0.75×0.75	16	0.060	0.84	120
0.75×0.75	14	0.075	1.02	120
1×1	16	0.060	1.14	100
1×1	14	0.075	1.40	100
1×1	12	0.105	1.90	80
1.25×1.25	14	0.075	1.78	81
1.25×1.25	12	0.105	2.42	63
1.5×1.5	14	0.075	2.15	49
1.5×1.5	12	0.105	2.95	49
2×2	14	0.075	2.91	50
2×2	12	0.105	4.01	40
2×2	3/16	0.188	6.43	40
2.5×2.5	14	0.075	3.67	36
2.5×2.5	3/16	0.188	8.34	27
3×3	11	0.120	7.56	21
3×3	3/16	0.188	10.24	21
3×3	1/4	0.250	13.10	21
4×4	11	0.120	9.21	15
4×4	3/16	0.188	14.04	15
5×5	3/16	0.188	17.85	12

RECTANGULAR TUBING

Size (in)	Gauge	Thick (in)	Kg/m	Pcs/Bundle
2×1	16	0.060	1.74	50
2×1	14	0.075	2.15	50
3×1.5	14	0.075	3.29	49
3×2	14	0.075	3.67	35
3×2	11	0.120	5.57	28
3×2	3/16	0.188	8.34	28
3×2	1/4	0.250	10.57	28
4×2	11	0.120	6.78	20
4×2	3/16	0.188	10.24	20
4×2	1/4	0.250	13.10	15
4×3	11	0.120	7.99	15
4×3	3/16	0.188	12.14	15
5×3	11	0.120	9.21	16
5×3	3/16	0.188	14.03	16
6×2	14	0.075	5.93	24
6×2	11	0.120	9.21	15
6×2	3/16	0.188	14.03	15
6×2	1/4	0.250	18.16	15

Purlin — "C" Type Structural Sections



CR = Commercial Red | AR = High Strength | * = Made to Order | Standard length varies by size | Non-catalog items subject to minimum production quantities.

Size (in)	Gauge	Thick (in)	Length (m)	Kg/m	Pcs/Bundle	Finish	Notes
3×1.5	16	0.060	6.00	2.08	60	CR	Standard structural purlin
3×1.5	14	0.075	6.00	2.61	60	CR	
4×2	16	0.060	6.00	2.71	48	CR	Common roofing purlin
4×2	14	0.075	6.00	3.40	48	CR	
4×2	12	0.105	6.00	4.80	48	CR	
5×2	14	0.075	6.00	3.80	48	CR	
6×2	14	0.075	6.00	4.19	48	CR/AR	High-strength available
6×2	12	0.105	6.00	5.86	48	CR/AR	
8×2.75	14	0.075	6.00/8.00	5.70	24	CR/AR	Dual length option
8×2.75	12	0.105	8.00	7.96	24	CR/AR	
10×2.75	14	0.075	10.00	6.49	12	CR/AR	Long-span option
10×2.75	12	0.105	10.00	9.06	12	CR/AR	
12×3.5	14	0.075	12.00	7.87	12	CR/AR	Heavy structural
12×3.5	11	0.120	12.00	10.99	12	CR/AR	
12×3.5	10	0.135	12.00	13.60	12	CR/AR	
14×3.5	14*	0.075	—	8.70	12	*	Made to order only

ERW Pipe & DSAWH Helical Welded Pipe



ERW — LINE / STRUCTURAL PIPE (Round Section)

Nom. Dia.	OD (in/mm)	Wall (in)	Kg/m	Lb/ft
4"	4.500/114.3	0.237 STD	16.07	10.80
4"	4.500/114.3	0.250	16.90	11.36
6"	6.625/168.3	0.237	24.08	16.18
6"	6.625/168.3	0.280 STD	28.26	18.99
8"	8.625/219.1	0.188	25.23	16.96
8"	8.625/219.1	0.322 STD	42.53	28.58
8"	8.625/219.1	0.500	64.63	43.43
10"	10.750/273.1	0.365 STD	60.30	40.52
10"	10.750/273.1	0.500	81.53	54.79
12"	12.750/323.9	0.375 STD	73.82	49.61
12"	12.750/323.9	0.500	97.43	65.48
14"	14.000/355.6	0.375	81.28	54.62
16"	16.000/406.4	0.375 STD	93.21	62.64
18"	18.000/457.2	0.375	105.14	70.65
20"	20.000/508.0	0.375 STD	117.07	78.67
20"	20.000/508.0	0.500 XS	155.10	104.23

DSAWH — HELICAL SUBMERGED ARC WELDED PIPE

Size (in/mm)	Wall (in)	Kg/m	Lb/ft	Sched.
24"/609.6	0.375	140.93	94.71	STD
24"/609.6	0.500	186.91	125.61	XS
26"/660.4	0.375	152.86	102.72	STD
28"/711.2	0.375	164.79	110.74	STD
30"/762.0	0.375	176.72	118.76	STD
34"/863.6	0.375	200.59	134.79	STD
36"/914.4	0.375	212.52	142.81	STD
36"/914.4	0.625	351.71	236.35	—
40"/1016	0.375	236.38	158.85	STD
42"/1066	0.375	248.31	166.86	STD
42"/1066	0.500	330.08	221.82	XS
48"/1219	0.375	284.11	190.92	STD
48"/1219	0.500	377.80	253.88	XS
60"/1524	0.375	355.68	239.02	—
64"/1626	0.375	379.55	255.05	—
72"/1829	0.500	568.70	382.16	—

ERW Certs: API 5L X52 PSL2 · API 5L X42 PSL1 · ASTM A53 Gr B · ASTM A500 Gr B | DSAWH: API 5L ISO 3183 · ASTM A139 · AWWA C200 | Dia. 24"–72", Wall 0.250"–0.750"



Let's Build Something Together

Contact us for pricing, availability, and technical specifications.

Website

www.tasandzaz.com

Email

danielt@tasandzaz.com

Phone

(204) 688-2396

Steel Bar Grating · Steel Plate · HSS Structural Tubing · PTR Mechanical Tubing · ERW & DSAWH Pipe · C-Purlins · Stair Treads

All specifications subject to change. Custom sizes and grades available on request.