THREE D METALS

COPPER & ALUMINUM SEAMLESS BUS PIPE & CONDUCTORS

1.800.362.9905 | sales@threedmetals.com | 5462 Innovation Drive, Valley City, Ohio 44280

6061-T6, 6063-T6, OR 6101-T6 Aluminum Bus Pipe & Conductors

SCHEDULE 40

INCHES	O.D.	I.D.	WALL	WT/FT #
1/2	.840	.622	.109	.294
3/4	1.050	.824	.113	.391
1	1.315	1.049	.133	.581
1-1/4	1.660	1.380	.140	.786
1-1/2	1.900	1.610	.145	.940
2	2.375	2.067	.154	1.264
2-1/2	2.875	2.469	.203	2.004
3	3.500	3.068	.216	2.621
3-1/2	4.000	3.548	.226	3.151
4	4.500	4.026	.237	3.733
5	5.563	5.047	.258	5.057
6	6.625	6.065	.280	6.564
8	8.625	7.981	.322	9.878

SCHEDULE 80

INCHES	O.D.	I.D.	WALL	WT/FT #
1/2	.840	.546	.147	.376
3/4	1.050	.742	.154	.510
1	1.315	.957	.179	.751
1-1/4	1.660	1.278	.191	1.037
1-1/2	1.900	1.500	.200	1.256
2	2.375	1.939	.218	1.737
2-1/2	2.875	2.323	.276	2.650
3	3.500	2.900	.300	3.547
3-1/2	4.000	3.364	.318	4.326
4	4.500	3.826	.337	5.183
5	5.563	4.813	.375	7.188
6	6.625	5.761	.432	9.884
8	8.625	7.625	.500	15.010

Stock lengths 20 LFT up to 40 LFT. May order lengths up to 50 LFT. Beveling services are available.

Applications

- Substations
- Electrical Utilities
- Generating Stations
- Switching Structures

Electrical Conductivity – At 20° C

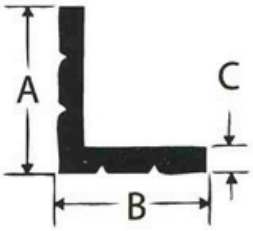
57-58%	6101-T61
53-55%	6063-T6
42-43%	6061-T6

Specifications

Alloy	ASTM	Federal
6101	B 317	QQ-B-825
6063	B 241	
6061	B 241	

Universal Angle Bus Conductor

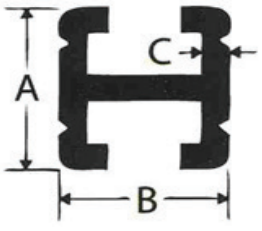
A	B	C	WT/FT #
3.250	3.25	.250	1.839
3.500	3.50	.250	1.986
4.00	4.00	.250	2.268
4.00	4.00	.375	3.354
4.50	4.50	.375	3.727
5.00	5.00	.375	4.324



Integral Web Bus Conductor

A	B	C	WT/FT #
4	4	.312	5.276
6	4	.375	8.11
6	5	.375	8.881
6	6	.550	13.241
7	7	.500	15.034
8	8	.500	18.105

Available with or without ventilation holes.



Aluminum Bus Bar

Full round, radius, and square edges in stock.

12-foot lengths.
Limited stock in 20 foot lengths.

1/8” through 1.25” thick, 1” through 12” wide

**Tin plated also available*

THREE D METALS

COPPER SEAMLESS BUS PIPE

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Copper Seamless Bus Pipe – Alloy 102 stocked in 20 LFT lengths. Also available in alloys 101, 110, and 122.

SCHEDULE 40

INCHES	O.D.	I.D.	WALL	WT/FT #
1/4	.540	.376	.82	.457
3/8	.675	.495	.090	.641
1/2	.840	.626	.107	.955
3/4	1.050	.822	.114	1.30
1	1.315	1.063	.126	1.82
1-1/4	1.660	1.368	.146	2.69
1-1/2	1.900	1.600	.150	3.20
2	2.375	2.063	.156	4.22
2-1/2	2.875	2.501	.187	6.12
3	3.500	3.062	.219	8.75
3-1/2	4.000	3.500	.250	11.40
4	4.500	4.000	.250	12.90
5	5.563	5.063	.250	16.20
6	6.625	6.125	.250	19.40
8	8.625	7.981	.322	35.56
10	10.75	10.02	.365	46.16

SCHEDULE 80

INCHES	O.D.	I.D.	WALL	WT/FT #
1/4	.540	.294	.123	.625
3/8	.675	.421	.127	.847
1/2	.840	.542	.149	1.25
3/4	1.050	.736	.157	1.71
1	1.315	.951	.182	2.51
1-1/4	1.660	1.272	.194	3.46
1-1/2	1.900	1.494	.203	4.19
2	2.375	1.933	.221	5.80
2-1/2	2.875	2.315	.280	8.85
3	3.500	2.892	.304	11.80
3-1/2	4.000	3.358	.321	14.40
4	4.500	3.818	.341	17.30
5	5.563	4.812	.375	23.70
6	6.625	5.751	.437	32.90
8	8.625	7.625	.500	49.50
10	10.75	9.75	.500	62.40

Specifications

ASTM	Alloy
B 188	C10100, C10200, C11000
B 42	C12200

Composition Copper – Minimum 99.9%





Copper Bus Bar

- Full round, radius, and square edges in stock.
- 1/16” through 2” thick, 1/2” through 12” wide
- 12-foot and 20-foot lengths
- **Silver plated *Tin plated also available*

Refrigeration, Water, and Plumbing Applications

- ***Typically Alloy C122.*** Hard Drawn to Soft Tempers in stock.
- .125” through 3” diameter, .030” through .109” wall thickness
- 12-foot up to 100-foot lengths
- Other dimensions available upon request.

- **Machined to print services include CNC, water jet, and bending through our vast network of trusted resources.**
- **Ask us about your copper extrusion needs!**

Copper	C101, C102, C103, C107, C110, C116, C122, C145, C147, C172, C17510, C18150, C182, C706, C715 Rod * Bar * Plate * Strip * Sheet * Pipe * Coil * Extruded Shapes * *Machined to Print Services Available*
Brass	C210, C220, C230, C260, C272, C353, C360, C385, C464, C485 Coil * Rod * Bar * Plate * Pipe * Sheet
Bronze	C314, C510, C544, C630, C655, C673, C954, C959, C863, C89835, C932 (SAE 660), C936 (Modified SAE 64), SAE 841, SAE 863 Rod * Bar * Plate * Continuous Cast Tube * Centrifugal Cast Tube * Sand Casting
Aluminum	6061, 6063, 6101 Pipe * Angles * UABC * Bar * Rod