





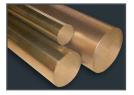
Dura-Bar Metal Services is proud to distribute the highest quality bronze and Dura-Bar® product in the market. We offer a wide selection of copper based products with an emphasis on bronze alloys.

We offer bronze barstock in rounds, tubes, squares/rectangles and custom shapes.

We have years of experience supplying material quickly and accurately to help your business operate more efficiently. With facilities in Woodstock, IL; York, PA; and Salisbury, NC we are ready to help with your material needs.



Dura-Bar Shapes and Sizes



Rounds



Squares/Rectangles



Tubes



Custom Shapes



Cut-To-Size

dura-barms.com 888-387-2227 Bronze is the combination of copper, long valued for its ability to be formed and strengthened by cold-working; and the addition of other alloys to enhance strength and hardness. Bronze is a natural bearing material with many alloy and size options. By stocking the most popular combinations, we usually have what you need in stock. We focus on the following alloy families:

- Tin Bronze Various elements are added, including lead, for ease of machining. These alloys are found in many applications. The most popular is C93200, also known as SAE 660 or "Bearing Bronze." Additional alloys in this family include: C90300, C92200, and C93700.
- Aluminum Bronze Aluminum is added for its strength and rigidity. These alloys produce a tougher wear bronze. The most common grade is C95400. We also offer C95500, C95900, C95510, and C63000.
- Manganese Bronze Manganese is added to increase the hardness of the product and provide superior strength. The most common cast grade in this family is C86300 Manganese Bronze; which is a tough, corrosion resistant alloy used in high-load and low-speed applications.

Ultimately, your product selection depends on the application. In this catalog you will find helpful information provided as a reference. If you need any additional information, please call one of our sales representatives or visit us at dura-barms.com.





			SPECIFICATI	ONS				NC	MINAL	СНЕМІС	AL COM	POSITIO	ONS					MECHAN	NICAL PRO	PERTIES				
Family	CDA/UNS	ASTM	New SAE	Federal	Military	Other names	AMS	Copper	Tin	Lead Zi	nc Nick	cel Iro	n Alur	m.	Ten	sile	Yi	ield	Elong	gation	BHN/	Density	Machin-	APPLICATIONS
	(SAE)	7.51	(Old SAE)	reaciai	······································	other names	711115	Cu%	Sn%	Pb% Zr	1% Ni	% Fe	% AI%	%	Min.(ksi)	Typ. (ksi)	Min.(ksi)	Typ. (ksi)	Min.(ksi)	Typ. (ksi)	BHN/ Rockwell	Density	ability*	
Copper-Zinc Brass	C26000	B19, B36, B129, B135	J461, J463	QQ-T-791	C-10375 T-20219	Cartridge Brass 70%	4505-8 4555	70			30					70		52		30	B80	0.308	30	Consumer products, liners, pump cylinders and plumbing accessories
Tin Brass	C46400	B21, B124 B171		QQ-B-639	W-6712	Naval Brass Uninhibited	4611 4612	60	.75	3	9.2					55		25		50	B55	0.304	30	Fasteners and hardware in corrosion resistant applications, marine and fastener parts
Phosphor Bronze	C51000	B100, B103 B139, B159	J461, J463	QQ-B-750-A QQ-W-321	T-3595 B-13501	Phosphor Bronze 5% Grade A	4510 4625	94.8	5	0.2						70		58		25	B78	0.320	20	Bearing plates, electrical connectors, sleeve bushings, clutch disks and chemical hardware
Leaded Phosphor Bronze	C54400	B103, B139	J461, J463	QQ-B-750-B		Phosphor Bronze, Grade B-2	4520	88	4	4	4					68		57		20	B80	0.321	80	Bearings, bushings, gears, pinions, shafts, valve parts, sleeves and screw machine parts
	C61400	B100, B150 B169, B171	J461, J463	QQ-C-00465 QQ-C-450		Aluminum Bronze D		90.5				2.	5 6.5	.5		80		51		35	180	0.287	30	Machine parts, chutes for abrasive grains, mixing troughs, marine and protective sheathing
	C62300	B124, B150 B283	J461, J463		B-16166		4635	87.1				3.	1 9.3	.3		95		50		25	174	0.276	50	Valve stems, bushings, gears, worm gears, valve guides, seats, cams and bushings
Aluminum Bronze	C63000	B124, B150 B171, B283	J461, J463	QQ-C-450	B-16166		4640F	80			5	3.	5 10	0		118		75		15	228/B98	0.272	30	Heavy-duty hydraulic bushings, valve balls, bearings, valve seats, cams, gears and pump parts
	C64200	B124, B150 B283	J461, J463	QQ-C-465			4361	90.5					7	7		90		50		30	166	0.278	60	Fasteners, cams, gears and valve components
Silicon Bronze	C65500	B96, B98 B100, B124	J461, J463		T-8231	High Silicon Bronze A	4615 4665	97								92		55		22	B90	0.308	30	Fasteners, piston rings, bearing plates, wear plates, shafts, chemical and paper equipment
Manganese Bronze	C67300		J461, J463					60.5		2.5	33					75		55		15	153	0.300	70	Gears, cams, wear plates, clutch bearings, spindles, pump parts and connecting rods
CAST PRODUCTS																								
Red Brass	C83600	B62, B271 B505, B584	J461, J462 (SAE-40)	QQ-C-390-B-836 QQ-C-390-B5	B-11553-2 C-15345-1	(ASTM-B145-4A) 85-5-5-5, DIN Rg 5	4855 4855 B	85	5	5	5				36	37	19	17	15	30	60	0.318	84	Low pressure valves, fittings and pumps
Semi-Red Brass	C84400	B271, B505 B584, B763		QQ-C-390-B-844 QQ-C-390-B2	B-11553-11 B-18343	(ASTM-B145-5A)		81	3	7	9				30	34	15	15	16	26	55	0.314	90	Plumbing fittings, faucets, hardware and ornamental castings
Manganese	C86300	B22, B271 B505, B584	J461, J462 (SAE-430B)	QQ-C-390-B-863 QQ-C-390-C7	C-22229-8 B-16522-1	High Tensile Mn (ASTM-B147-8C)	4862B	62		.2 Max 2	16	3	6		110	115	62	65	14	15	225+	0.283	8	Screw down nuts, slow-speed heavy load bearings, gears, gibs and cams
Bronze	C86500	B271, B505 B584, B763	J461, J462 (SAE-43)	QQ-C-390-B-865 QQ-C-390-C3	C-22229-7 C-15345-4	Low Tensile Mn (ASTM-B147-8A)	4860A	58		3	19	1	1		70	71	25	28	25	30	130+	0.301	26	Strength applications, propellers for salt and fresh water, machinery parts, substitute for steel and malleable iron
Copper Bismuth	C89835	B505				Lead-Free Bronze		87	6.7		3 1 M	ax 0.2 N	Max Max		30	35	14	18	15	20	65	0.321	70	General utility bearings and bushings; a no-lead replacement for C93200 leaded bronze
	C90300	B271, B505 B584, B763	J461, J462 (SAE-620)	QQ-C-390-B-903 QQ-C-390-D5	B-11553-5 C-15345-8	Navy "G" (ASTM-B143-1B)		88	8		4				44	45	22	21	18	30	70	0.318	30	Bearings, bushings, pump impellors, piston rings, pump bodies, valves, steam fittings and gears
Tin Bronze	C90500	B22, B271 B505, B584	J461, J462 (SAE-62)	QQ-C-390-B-905 QQ-C-390-D6	B-11553-16 B-16541	Navy Metal, DIN Rg 10 (ASTM-B143-1B)	4845D	88	10		2				44	45	25	22	10	25	75	0.315	30	Bearings, bushings, pump impellors, piston rings, pump bodies, valves, steam fittings and gears
	C90700	B30, B427 B505	J461, J462 (SAE-65)	QQ-C-390-B-907				89	11						35	40	18	25	10	20	80	0.317	20	Worm wheels, gears, bearings for heavy loads and relatively low speeds
Leaded Tin Bronze	C92200	B61, B271 B505, B584	J461, J462 (SAE-622)	QQ-C-390-B-922 QQ-C-390-D4	C-15345-12 B-11553-1	Navy Metal (ASTM-B143-2A)		89	6	2	4				38	40	19	20	18	30	65	0.312	42	Medium-pressure hydraulic and steam to 550°F, marine and ornamental castings
High Lead	C93200	B66, B271 B505, B584	J461, J462 (SAE-660)	QQ-C-390-B-932 QQ-C-390-E7	C-15345-12 B-11553-12	(ASTM-B-144-3B) 83-7-7-3, DIN Rg 7		83	7	7	3				35	35	20	18	10	20	65	0.322	70	General purpose bushings, washers and non-pressure applications
Tin Bronze (Bearing Bronze)	C93700	B22, B271 B505, B584	J461, J462 (SAE-64)	QQ-C-390-B-937 QQ-C-390-E10	B-11553-23	(ASTM-B-144-3A) 80-10-10	4827 4872B	80	10	10					35	35	20	18	6	20	60	0.320	80	High-speed, heavy-pressure bushings, acid-resisting to sulphite fluids
	C95400	B148, B271 B505, B763	J461, J462	QQ-C-390-B-954 QQ-C-390-G5	C-15345-13 B-16033-3	(ASTM-B148-9C)	4870B 4872B	85				4	11	1	85	90	32	36	12	14	170+	0.269	60	Spur and low-speed, heavily loaded worm gears, nuts, pump and landing gear parts
	C95500	B148, B271 B505, B763	J461, J462	QQ-C-390-B-955 QQ-C-390-G3	C-15345-14 B-16033-4	CuAl10Ni (ASTM-B148-9D)	4880	81			4	4	11	1	95	100	42	44	10	12	195+	0.272	50	Used under extreme conditions such as tank gun recoil mechanisms and landing gear parts
Aluminum Bronze	C95510	B505	J461, J462				4880C	78 Min.			5	2.	7 10.	.3	105		62.5		9		192-248+	0.272	50	Same as C95500, except heat-treated for better performance
DIONZC	C95800	B148, B271 B505, B763	J461, J462	QQ-C-390-B-958 QQ-C-390-G8	C-15345-28 B-24480			81.3			4.5	5 4	9		85	95	35	38	18	25	159+	0.276	50	Propeller hub, blades and other parts - including valves in contact with sea water
	C95900	B148, B505 B271						82.5				4.	5 13	3		90		50		0.5	241+	0.260	20	Good abrasion, does not take shock or impact, used in wiping blocks, dies and drill jig bushings
SINTERED PRODU	CTS																							
Sintered Bronze	SAE841	B438, Gr 1 Type II	841-Ty I, Comp A		B-5687D Ty I, Grade 1	(B-5687D Ty I, Com A) (C-50709 Ty II, Gr 1)		87.5	9.5			1.0 N	Лах			14		11		1				Bearings in home applications, farm implements, business machines, electrical motors, hardware, machine tools & mechnical power transmission equipment

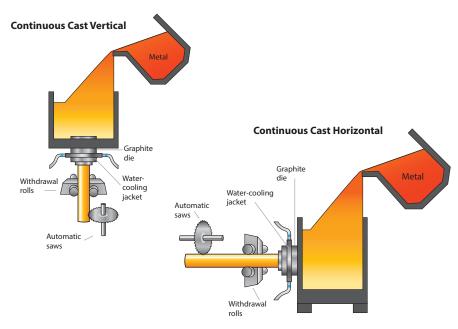
[•] This data is a compilation from many sources and is for reference only

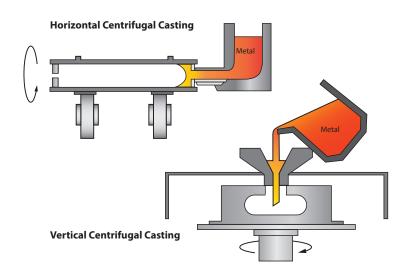
[•] Actual properties depend on many variables including the production process, specification, size and cross section of the casting

[•] These figures are NOT GUARANTEED and cannot be used as a basis of acceptance or rejection of the material

Continuous Cast Alloys

The continuous cast process begins with molten bronze being poured through a carbon graphite die. A cooling jacket surrounds the die allowing the cast tube, bar or shape to chill and solidify. The solid bar exits slowly by rolls or pinch rolls, obtaining a homogeneous micro-structure. With the continuous cast method, a minimum stock allowance can be controlled, reducing the amount of machining necessary to produce a finished part.



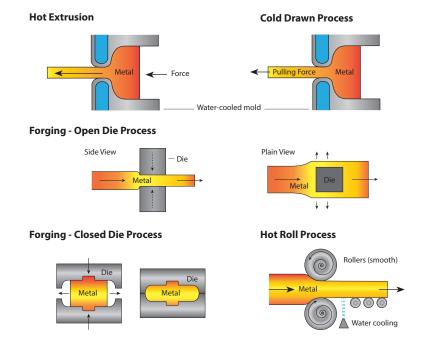


Centrifugally Cast Alloys

In this process, centrifugal force holds the molten metal against the mold wall until it solidifies. Carefully weighted charges ensure that just enough metal solidifies in the mold to yield the desired wall thickness for the casting. Centrifugal force causes impurities to concentrate at the casting's inner surface. This is then machined away, leaving only clean metal in the finished product. Alloys cast in this method can withstand substantial hydraulic pressure without leaking.

Wrought Alloys

Wrought alloys are first cast and then physically worked to obtain their shape by extrusion, forging, cold drawing, or hot rolling. Due to the reduction in area of the material, wrought alloys are unique for their increased strength and hardness as compared to their cast equivalents.





		Size	Weight/
I.D.	Х	O.D.	Inch (Lbs)
1/2	Х	1	0.224
		11/8	0.291
		11/4	0.383
		13/8	0.458
		11/2	0.561
		13/4	0.766
		2	1.019
5/8	Х	1	0.187
		11/8	0.262
		11/4	0.346
		13/8	0.439
		11/2	0.533
		13/4	0.738
		2	0.981
3/4	Х	1	0.140
		11/8	0.215
		11/4	0.308
		13/8 0	0.393
		11/2	0.495
		15/8	0.579
		13/4	0.701
		2	0.944
		21/4	1.215
		21/2	1.523
7/8	Х	11/8	0.168
		11/4	0.262
		13/8	0.336
		11/2	0.449
		15/8	0.551
		13/4	0.645
		17/8	0.776
		2	0.897
		21/4	1.168
1	Х	1 ¹ /4	0.187
		13/8	0.290
		11/2	0.393
		15/8	0.495
		1 ³ /4	0.607
		17/8	0.720

1 x 2 0.850 21/4 1.112 23/8 1.262 21/2 1.421 23/4 1.757 3 2.131 31/4 2.523 31/2 2.963 4 4.000 11/8 x 13/8 0.206 11/2 0.308 15/8 0.411 13/4 0.533 2 0.785 21/8 0.907 21/4 1.056 21/2 1.336 27/8 1.841 11/4 x 11/2 0.234 15/8 0.336 13/4 0.467 17/8 0.589 2 0.710 21/8 0.841 21/4 0.981 21/2 1.290 23/4 1.626 3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766 21/8 0.766	Nom			Weight/
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13/4 0.467 17/8 0.589 2 0.710 21/8 0.841 21/4 0.981 21/2 1.290 23/4 1.626 3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907	11/4	Х	1 ¹ /2	0.234
17/8 0.589 2 0.710 21/8 0.841 21/4 0.981 21/2 1.290 23/4 1.626 3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 X 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			15/8	0.336
2 0.710 21/8 0.841 21/4 0.981 21/2 1.290 23/4 1.626 3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			13/4	0.467
21/8 0.841 21/4 0.981 21/2 1.290 23/4 1.626 3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			17/8	0.589
13/8 x 15/8 0.271 1.3/8 x 15/8 0.486 2 0.636 21/4 0.907			2	0.710
13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 1/4 0.907			21/8	0.841
23/4 1.626 3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			21/4	0.981
3 2.000 31/4 2.411 31/2 2.832 4 3.869 13/8 X 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			21/2	1.290
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			23/4	1.626
31/2 2.832 4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			3	2.000
4 3.869 13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			31/4	2.411
13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			31/2	2.832
13/8 x 15/8 0.271 13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907			4	
13/4 0.364 17/8 0.486 2 0.636 21/8 0.766 21/4 0.907	13/8	Х	15/8	0.271
17/8 0.486 2 0.636 21/8 0.766 21/4 0.907				
2 0.636 21/8 0.766 21/4 0.907				
2 ¹ / ₈ 0.766 2 ¹ / ₄ 0.907				
2 ¹ /4 0.907				
			23/8	1.065

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
13/8	Х	21/2	1.206
		2 ⁵ /8	1.383
		3	1.879
11/2	Х	13/4	0.280
		17/8	0.393
		2	0.551
		21/8	0.673
		21/4	0.822
		23/8	0.981
		21/2	1.131
		23/4	1.458
		3	1.841
		31/4	2.252
		31/2	2.664
		3 ³ / ₄	3.150
		4	3.710
		41/2	4.776
1 ⁵ /8	Х	2	0.430
		21/8	0.579
		21/4	0.729
		23/8	0.879
		21/2	1.028
		25/8	1.196
		23/4	1.355
		3	1.748
13/4	Х	2	0.327
		21/8	0.477
		21/4	0.626
		23/8	0.776
		21/2	0.935
		25/8	1.084
		23/4	1.262
		3	1.645
		31/4	2.056
		31/2	2.486
		33/4	2.879
		4	3.533
		41/4	4.019
1 ⁷ /8		21/4	0.514
		23/8	0.673

Nom	inal	Size	Weight/									
I.D.	Х	O.D.	Inch (Lbs)									
17/8	Х	21/2	0.822									
		25/8	0.972									
		23/4	1.159									
		3	1.495									
2	Х	21/4	0.355									
		23/8	0.551									
		21/2	0.710									
		25/8	0.869									
		23/4	1.037									
		27/8	1.215									
		3	1.430									
		31/4	1.832									
		31/2	2.252									
		33/4	2.738									
		4	3.308									
		41/2	4.364									
		5	5.533									
		51/2	7.009									
		6	8.467									
21/8	Х	25/8	0.738									
		23/4	0.879									
		27/8	1.093									
		3	1.299									
		31/2	2.121									
21/4	Х	23/4	0.785									
		27/8	0.953									
											3	1.150
		31/8	1.327									
		31/4	1.570									
		31/2	2.000									
		33/4	2.467									
		4	3.056									
		41/4	3.533									
23/8	Х	23/4	0.589									
		2 ⁷ /8	0.813									
		3	1.009									
		31/4	1.355									
		31/2	1.785									
		4	2.841									
		•										

Standard Length 105"





CONTINUED

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
21/2	Х	23/4	0.439
		3	0.869
		31/8	1.065
		31/4	1.280
		31/2	1.720
		33/4	2.187
		4	2.776
		41/4	3.318
		41/2	3.804
		43/4	4.355
		5	5.019
		51/2	6.467
		6	7.953
25/8	Х	31/2	1.542
23/4	Х	31/4	0.944
		31/2	1.364
		33/4	1.850
		4	2.499
		41/4	3.000
		41/2	3.495
		43/4	4.056
		53/4	6.981
27/8	Х	4	2.299
3	Х	31/2	0.963
		33/4	1.495
		4	2.112
		41/4	2.664
		41/2	3.140
		43/4	3.738
		_5	4.346
		51/2	5.869
		6	7.280
		61/2	8.888
			10.607
		8	14.402
31/4	Х	33/4	1.037
		4	1.710
		41/4	2.271
		41/2	2.720

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
31/4	х	43/4	3.318
		5	3.925
		51/2	5.439
31/2	Х	4	1.234
		41/4	1.804
		41/2	2.346
		43/4	2.897
		5	3.523
		51/4	4.336
		5 ¹ / ₂	5.065
		6	6.495
		6 ¹ / ₂	8.093
3 ³ / ₄	Х	41/2	1.916
		43/4	2.449
		5	3.065
		51/2	4.636
		6	6.056
4	Х	41/2	1.393
		43/4	1.972
		_5	2.598
		51/4	3.430
		51/2	4.121
		6	5.589
		61/2	7.178
		7	8.907
		71/2	10.748
		8	12.710
		9	17.000
41/4	Х	43/4	1.467
		5	2.084
		51/4	2.935
		51/2	3.617
		6	5.093
		6 ¹ / ₂	6.673
41/2	Х	5	1.542
		51/4	2.346
		51/2	3.103
		6	4.551

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
41/2	Х	6 ¹ / ₂	6.159
7 /2	^	7	7.860
43/4	X	51/4	1.822
. , .	^	51/2	2.523
		53/4	3.234
		6	3.972
		61/2	5.579
5	Х	51/2	1.925
J	~	53/4	2.636
		6	3.393
		61/2	5.000
		7	6.710
		71/2	8.561
		8	10.505
		9	14.813
		10	20.056
51/4	Х	7	6.084
51/2	Х	6	2.103
		61/2	3.692
		7	5.421
		71/2	7.262
		8	9.224
53/4	Х	63/4	3.832
		71/4	5.636
		71/2	6.561
		8 ¹ / ₂	10.654
6	Х	61/2	2.252
		63/4	3.121
		7	3.991
		71/4	4.907
		71/2	5.832
		8	7.804
		81/2	9.916
		9	12.112
		10	17.103
		11	22.421
		12	28.271

			CONTINUED
Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
61/2	Х	71/4	3.374
		71/2	4.299
		8	6.262
		81/2	8.374
		9	10.589
		91/2	13.093
7	Х	73/4	3.589
		8	4.598
		81/2	6.692
		9	8.916
		91/2	11.421
		10	13.897
		11	19.271
		12	25.168
71/2	Х	81/2	4.916
		9	7.112
		91/2	9.617
	•	10	12.019
	,	10 ¹ / ₂	14.757
8	Х	9	5.308
	•	91/4	6.505
		91/2	7.729
	•	10	10.196
		10 ¹ / ₂	12.841
		11	15.561
		12	21.421
		13	28.383
81/2	Х	91/2	5.869
		10	8.159
	•	101/2	10.738
		11 ¹ / ₂	16.748
9	Х	10	6.159
		101/4	8.589
		10 ¹ / ₂	8.673
		11	11.327
		11 ¹ /2	14.224
		12	17.290

Standard Length 105"



CONTINUED

	s)
9 ¹ / ₂ x 10 ¹ / ₂ 6.477	
11 9.075	
11 ¹ / ₂ 11.850	
12 ¹ / ₂ 18.355	
10 x 11 6.794	
11 ¹ / ₂ 9.533	
12 12.551	
13 19.159	
14 26.019	
$10^{1/2} \text{ x} 11^{1/2} 7.065$	
12 9.925	
12 ¹ / ₂ 13.364	
13 16.701	
11 x 12 7.486	
12 ¹ / ₂ 10.879	
13 13.953	
14 20.841	
11 ¹ / ₂ x 13 11.140	
13 ¹ / ₂ 14.542	
14 ¹ / ₂ 21.570	
12 x 13 ¹ / ₂ 11.813	
14 15.131	
15 22.477	
12 ¹ / ₂ x 14 12.093	
13 x 14 ¹ / ₂ 12.486	
15 16.542	
13 ¹ / ₂ x 15 ¹ / ₂ 16.907	
14 x 15 ¹ / ₂ 13.430	
16 17.692	

Nom I.D.	nina x	l Size O.D	Weight/ Inch (Lbs)				
١	New Large Diameter 521/2" Max Length						
15	х	17	20.952				
16	Х	17	13.200				
		19	30.952				
		20	42.296				
17	Х	19	23.124				
		20	34.133				
18	Х	20	24.190				

Standard Length 105"



Nominal Diameter	Weight/ Inch (Lbs)
1/2	0.075
5/8	0.112
3/4	0.159
7/8	0.215
1	0.271
1 ¹ /8	0.346
11/4	0.421
1 ³ /8	0.579
11/2	0.607
15/8	0.701
13/4	0.813
17/8	0.925
2	1.056
21/8	1.187
21/4	1.327
23/8	1.477
21/2	1.636
25/8	1.794
23/4	1.972
27/8	2.150
3	2.346

2.738
3.168
3.636
4.178
4.710
5.271
5.841
6.439
7.206
7.916
9.336
10.907
12.636
14.486
16.411
20.673
25.607
30.822
35.701
43.215

Standard Length 105"

We also offer C932 in cut plate, squares and rectangles. For information, please contact your Dura-Bar Metal Services Account Manager.





Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
3/4	Х	11/4	0.278
		11/2	0.431
		13/4	0.611
		2	0.819
7/8	Х	11/4	0.243
1	Х	13/8	0.271
		1 ¹ /2	0.347
		13/4	0.528
		2	0.736
		21/4	0.972
		21/2	1.236
		3	1.840
		31/2	2.618
		4	3.438
11/4	Х	13/4	0.417
		2	0.625
		2 ¹ / ₄	0.861
		2 ¹ / ₂	1.118
		23/4	1.396
		3	1.729
		31/2	2.514
11/2	Х	17/8	0.382
		2	0.486
		21/4	0.772
		21/2	0.986
		23/4	1.278
		3	1.590
		31/2	2.389
		4	3.201
		41/2	4.132
13/4	Х	21/8	0.438
		21/4	0.556
		21/2	0.806
		23/4	1.111
		3	1.431
		31/4	1.854
		31/2	2.257
		33/4	2.611
		4	2.965

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
2	Х	23/8	0.493
		21/2	0.625
		23/4	0.910
		3	1.243
		31/4	1.681
		31/2	2.042
		33/4	2.438
		4	2.861
		41/2	3.799
		5	4.917
		6	7.507
21/4	Х	2 ⁵ /8	0.549
		23/4	0.694
		3	1.007
		31/4	1.458
		31/2	1.826
		33/4	2.243
		4	2.674
21/2	Х	3	0.771
		31/4	1.208
		31/2	1.590
		33/4	1.986
		4	2.417
		41/2	3.333
		5	4.472
		6	7.076
23/4	Х	31/4	0.951
		31/2	1.306
		33/4	1.729
		4	2.146
		41/4	2.590
		41/2	3.042
3	×	31/2	1.021
-	-	33/4	1.431
		4	1.854
		4 ¹ /4	2.299
		41/2	2.785
		5	3.924
			J.724

Nominal I.D. x	Size O.D.	Weight/ Inch (Lbs)
3 x	51/2	5.090
	6	6.549
	7	9.396
3 ¹ / ₄ x	33/4	1.111
	4	1.535
	41/2	2.451
	5	3.611
$3^{1/2}$ x	4	1.208
	41/4	1.653
	41/2	2.125
	5	3.264
	5 ¹ /2	4.417
	6	5.882
3 ³ /4 x	43/4	2.313
4 x	41/2	1.361
	43/4	1.972
	5	2.528
	51/2	3.667
	6	5.139
	7	7.993
	8	11.222
4 ¹ / ₄ x	5	2.104
4 ¹ / ₂ x	5	1.708
	51/4	2.181
	51/2	2.819
	6	4.301
	61/2	5.639
	71/2	8.729
5 x	51/2	1.840
	53/4	2.660
	6	3.361
	61/2	4.722
	7	6.201
	8	9.431
5 ¹ / ₂ x	6 ¹ /2	3.639
6 x	7	3.986
	8	7.236
	9	10.868

Nom I.D.		Size O.D.	Weight/ Inch (Lbs)
61/2	Х	71/2	4.271
7	Х	8	4.556
		9	8.257

Large Diameter Tubes 72¹/₂" Max Length

10	Х	13	17.834
11	Х	15	26.069
12	Х	15	21.310





Nominal Diameter	Weight/ Inch (Lbs)
1/2	0.069
5/8	0.097
3/4	0.139
7/8	0.188
1	0.243
11/4	0.368
1 ¹ /2	0.521
1 ⁵ /8	0.611
13/4	0.701
2	0.910
21/4	1.146
21/2	1.396
23/4	1.688
3	2.000
31/4	2.389
31/2	2.771
3 ³ / ₄	3.153
4	3.576
41/4	4.035
41/2	4.500
43/4	5.083

Weight/ Inch (Lbs)
5.625
6.764
8.194
9.556
11.049
14.333
18.007
22.257
26.810
31.781
37.467
43.314
49.589

^{*} Standard Length 105"

^{**} Standard Length 95"



ALLOY: C95400

Nom H	inal x	Size W	Weight/ Inch (Lbs)
1/4	х	1	0.103
		1 ¹ /2	0.144
		2	0.192
		21/2	0.240
		3	0.281
		4	0.377
		5	0.459
		6	0.596
		12	1.130
3/8	Х	1	0.137
		11/2	0.199
		2	0.260
		21/2	0.322
		3	0.384
		31/2	0.452
		4	0.507
		5	0.630
		6	0.795
		8	1.041
		12	1.521
1/2	Х	1/2	0.089
		1	0.171
		1 ¹ /4	0.212
		1 ¹ /2	0.253
		2	0.329
		21/2	0.411
		3	0.486
		31/2	0.568
		4	0.644
		5	0.801
		6	0.993
		8	1.315
		10	1.630
		12	1.938

5/8 x 1 0.205 11/2 0.301 2 0.397 21/2 0.493 3 0.589 4 0.781 5 0.973 6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 X 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753 3 0.897	Nom H	ninal x	Size W	Weight/ Inch (Lbs)
2 0.397 21/2 0.493 3 0.589 4 0.781 5 0.973 6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753	5/8	Х	1	0.205
21/2 0.493 3 0.589 4 0.781 5 0.973 6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			11/2	0.301
3 0.589 4 0.781 5 0.973 6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			2	0.397
4 0.781 5 0.973 6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			21/2	0.493
5 0.973 6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			3	0.589
6 1.199 8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			4	0.781
8 1.562 3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			5	0.973
3/4 0.192 1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			6	1.199
1 0.247 11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			8	1.562
11/2 0.356 2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753	3/4		3/4	0.192
2 0.466 21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			1	0.247
21/2 0.582 3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			11/2	0.356
3 0.692 31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			2	0.466
31/2 0.801 4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			21/2	0.582
4 0.918 5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			3	0.692
5 1.144 6 1.404 8 1.836 12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			31/2	0.801
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			4	0.918
8 1.836 12 2.678 1 x 1 0.315 1 0.390 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			5	1.144
12 2.678 1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			6	1.404
1 x 1 0.315 11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			8	1.836
11/4 0.390 11/2 0.459 13/4 0.534 2 0.610 21/2 0.753			12	2.678
11/2 0.459 13/4 0.534 2 0.610 21/2 0.753	1	Х	1	0.315
13/4 0.534 2 0.610 2 ¹ /2 0.753			11/4	0.390
2 0.610 2 ¹ / ₂ 0.753			11/2	0.459
21/2 0.753			13/4	0.534
			2	0.610
3 0.897			21/2	0.753
			3	0.897

Nom H	inal x	Size W	Weight/ Inch (Lbs)
1	Х	31/2	1.041
		4	1.192
		5	1.479
		6	1.801
		7	2.068
		8	2.370
		12	3.493
		15	4.925
11/4	Х	11/4	0.473
		11/2	0.568
		13/4	0.658
		2	0.747
		21/2	0.925
		3	1.103
		31/2	1.281
		4	1.466
		5	1.808
		10	3.637
11/2	Х	11/2	0.671
		13/4	0.774
		2	0.890
		21/2	1.103
		3	1.308
		31/2	1.527
		4	1.740
		5	2.144
		6	2.651
		12	5.130
		15	6.911

Nom H	inal x	Size W	Weight/ Inch (Lbs)
13/4	Х	2	1.027
		21/2	1.274
		3	1.514
		4	2.014
		5	2.507
		10	5.007
2	Х	2	1.171
		21/2	1.445
		3	1.726
		31/2	2.000
		4	2.295
		6	3.459
		12	6.870
		15	8.918
21/2	Х	21/2	1.795
		3	2.137
		4	2.836
		5	3.527
		6	4.240
		12	8.445
		15	11.075
3	Х	3	2.541
		4	3.384
		6	5.089
		15	13.123
31/2	Х	15	15.151
4	Х	4	4.466
		15	17.226
6	Х	6	9.986



Tubes and Rounds

ALLOY: C86300

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
1	Х	1 ¹ /2	0.368
		2	0.764
		21/2	1.292
		3	1.903
		4	3.556
11/2	Х	2	0.514
2	Х	21/4	0.368
		21/2	0.667

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
2	х	23/4	0.972
		3	1.299
		31/2	2.118
		4	2.965
		5	5.111
		6	7.771
21/2	Х	3	0.833
		31/2	1.667
3	Х	31/2	1.076
		4	1.951
		5	4.104

Nom I.D.	inal x	Size O.D.	Weight/ Inch (Lbs)
31/2	Х	41/4	1.875
		43/4	2.868
		51/2	4.514
4	Х	41/2	1.569
		5	2.639
		6	5.326
5	Х	6	3.528
		7	6.396

Nominal Diameter	Weight/ Inch (Lbs)
_1	0.257
11/2	0.542
2	0.944
21/2	1.438
3	2.069
31/2	2.861
4	3.688
41/2	4.792
5	5.806
6	8.569







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