



**H. KRAMER & CO.**

## BRASS & BRONZE INGOTS **NOMINAL COMPOSITIONS**

1345 WEST 21ST STREET CHICAGO, IL 60608 (800)621-2305 (312)226-6600

### **85-5-5-5 GROUP**

Ingot No.	CDA No.	Copper	Tin	Lead	Zinc
115	836	85	5	5	5
120	838	83	4	6	7
123	844	81	3	7	9
125	845	78	3	7	12
130	848	76	2½	6½	15
131	833	93	1	2	4
132	83450	87	2	2	9



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### 88-10-0-2 GROUP

Ingot No.	CDA No.	Copper	Tin	Lead	Zinc	Nickel
194	913	81	19	0	0	
196		85	15	0	0	
197	910	85	14	0	1	
200		87½	11½	1	0	
200N	925	87	11	1	0	1
205	907	89	11	0	0	
205N	916	88	10	0	0	2
206	927	88	10	2	0	
206N	929	84	10	2½	0	3½
210	905	88	10	0	2	
215	926	87	10	1	2	
225	903	88	8	0	4	
230	923	87	8	1	4	
235		86	8	2	4	
242	902	93	7	0	0	
245	922	88	6	1½	4½	
255		88	5	2½	4½	



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### 80-10-10 GROUP

Ingot No.	CDA No.	Copper	Tin	Lead	Zinc
305	937	80	10	10	0
310	934	84	8	8	0
315	932	83	7	7	3
319	938	78	7	15	0
321	945	73	7	20	0
322	943	70	5	25	0
326	935	85	5	9	1

### YELLOW BRASS GROUP

Ingot No.	CDA No.	Copper	Tin	Lead	Zinc
400	852	72	1	3	24
403	854	67	1	3	29
406	857	63	$\frac{3}{4}$	$1\frac{1}{4}$	35



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### NICKEL SILVERS GROUP

Ingot No.	CDA No.	%
410	973	12% Ni Silver
411	974	15% Ni Silver
412	976	20% Ni Silver
413		25% Ni Silver
413B	978	25% Ni Silver
414		30% Ni Silver

### ALUMINUM BRONZE GROUP

Ingot No.	CDA No.		
415	952	M	88-3-9
415	953	I	89-1-10
415	954	R	86-4-10
415C	95410	C	84-4-10-2
415D	955	N	81-4-11-4
415D	958	N1	81½-4-9-4-1½
Superston	957		75-3-8-2-12



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### MANGANESE BRONZE GROUP

Ingot No.	CDA No.		Tensile Strength
420	864	S	60-65,000
421	865	A	65-80,000
422	867	AX	80-90,000
423	861	F55	90-100,000
423	862	SX	90-100,000
424	863	XX	100,000+

### SILICON BRONZE GROUP

Ingot No.	CDA No.		
500	873	95-1-4	
500	87610	92-4-4	
500	87600	89-6-5	
500T	875	82-4-14	Tombasil



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### STANDARD WHITE TOMBASIL GROUP

Ingot No.	CDA No.
-	997

### TABLE X

Ingot No.	CDA No.		
data currently unavailable			