

**MATERIAL ORDERING DATA  
ASTM-B-369**

IDN: **N4523A 3058-1031**

ICN: **38OHD72102** KO: **F27** KOI: **002**

Paragraph 5 Ordering Data

**A. ASTM-B-369, STANDARD SPECIFICATION FOR COPPER-NICKEL ALLOY CASTINGS, dated 01 APRIL 2009 (Reapproved 2016).**

**B. Quantity of castings:6**

**C. Copper Alloy UNS number (Table 2): C96200**

<b>TABLE 1 Nominal Compositions</b>						
Copper Alloy UNS No.	Composition, %					
	Copper	Nickel	Iron	Silicon	Manganese	Niobium
C96200	87.5	10.0	1.5	0.1	0.9	...
C96400	67.0	30.0	0.7	0.5	0.8	1.0

<b>TABLE 2 Chemical Requirements</b>				
	Copper Alloy UNS No. C96200		Copper Alloy UNS No. C96400	
	Min, %	Max, %	Min, %	Max, %
Copper	balance		balance	
Lead	...	0.01	...	0.01
Iron	1.0	1.8	0.25	1.5
Nickel, incl cobalt	9.0	11.0	28.0	32.0
Manganese	...	1.5	...	1.5
Silicon	...	0.50	...	0.50
Niobium	...	1.0 <sup>A</sup>	0.50	1.5
Phosphorus	...	0.02	...	0.02
Sulfur	...	0.02	...	0.02
Carbon	...	0.10	...	0.15

<sup>A</sup> When product or casting is intended for subsequent welding applications, and so specified by the purchaser, the niobium content shall be 0.40 % max.

**D. Pattern or drawing number: 161595**

Condition (as-cast, machined, and so forth): as cast

**E. ASME Boiler and Pressure Vessel Code Requirements: No**

**F. When material is purchased for agencies of the U.S. Government, the Supplementary Requirements of this specification may be specified.**

**G. The following are optional and should be specified in the purchase order when required:**

- Pressure test or soundness requirements (Specification B 824)
- Witness inspection (Specification B 824)
- Certification (Specification B 824)
- Foundry test report (Specification B 824)
- Product marking (Specification B 824)
- Weldability test
- Approval of weld procedure and records of repairs

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H. Supplementary Requirements:

- S1 – Referenced documents
- S2 – Soundness
- S3 – Pressure test
- S4 – Weld repair
- S6 – Product marking

I. Preparation for delivery:

S7.1 – Preservation, packaging, and packing is required: Commercial

S7.2 – Marking to be IAW contract marking clauses and this spec

Additional Data Requirements: N/A

