



**Capitol Manufacturing**  
1125 Capitol Avenue  
Crowley, LA 70526

**Phoenix \* Capitol \* Camco**  
**CapProducts**

**Certified Material Test Report**

Commanding a Higher Standard<sup>sm</sup>

Printed: 9/12/2022

Certified: 01/03/2022



P.O. 330160-00  
Tag

Heat No 212505

Heat Code 742DDD

Phoenix Order # 1722501

Material  
ASTM A105-2021 / ASME SA105-2021 Edition

**Part Number**  
12203166

**Description**  
4 X 3 FS HEX BUSHING

**Chemical Properties**

C	Mn	P	S	Si	Cu	Ni	Cr	C Eq. Long		
0.2000	0.9400	0.0100	0.0190	0.2300	0.1800	0.0640	0.1300	0.4093		
Mo	V	Co	Al	Nb	N	Pb	Sn	Ta	Ti	
0.0220	0.0300									

**Additional Chemical Properties**

						CE CSA		Cr + Cu + Ni		
						N/A		0.3740		

**Mechanical Properties**

Tensile (PSI)	Yield (PSI)	Elong. % in 2 in. or 4D	R of A %	HBW	HBW2
86000	62000	29	64	176	172

**Charpy Minimum Impact - ft/lbs**

**Fracture Appearance - %**

Test 1	Test 2	Test 3	Average	Test Temp.	Test Size	Test 1	Test 2	Test 3	Average

We hereby certify that these parts were manufactured, sampled, tested, and inspected in accordance with the product specifications stated and were found to meet the requirements.  
This document is according to EN 10204 Inspection Certificate 3.1 requirements.  
These products meet the requirements of the latest editions of NACE MR0175/ISO 15156 and NACE MR0103. No weld repair has been performed on these products. This material was not exposed to mercury or any other metal alloy that is liquid at ambient temperatures during processing or while in our possession.

Meets ASME SA-181-70 2021 Edition. Manufactured in the USA.

QC Approved By: John David Nickel  
Typed Name: John David Nickel  
Typed Title: Technical Services Eng.