



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

# THE PHOENIX FORGE GROUP

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## PRODUCT SPECIFICATION BULLETIN

### CERTIFICATE of COMPLIANCE

#### PIPE NIPPLES (FITTINGS) AND "READY CUT" PIPE IMPORTED INTO THE UNITED STATES

##### Pipe – Welded Black and Galvanized Steel (7306.30), and

##### Pipe Fittings – Welded Black and Galvanized Steel Nipples, and Welded Steel Adapters (7307.99).

We hereby certify that the welded carbon steel pipe nipples, adapters (<12" length), and "ready cut" pipe manufactured at CapProducts are made from 20' pipe lengths as classified HTS 7306.30. They conform to the chemical and mechanical requirements of ASTM A53, Type E and F. The typical chemical analysis for pipe made to this standard is as follows:

C (%)	Mn (%)	P (%)	S (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)
0-0.30	0-1.2	0-0.05	0-0.045	0-0.50	0-0.40	0-0.40	0-0.15	0-0.08

##### Pipe – Seamless Black and Galvanized Steel (7304.39), and

##### Pipe Fittings – Seamless Black and Galvanized Steel Nipples (7307.99).

We hereby certify that the seamless carbon steel pipe nipples and "ready cut" pipe manufactured at CapProducts are made from 20' pipe lengths as classified HTS 7304.39. They conform to the chemical and mechanical requirements of ASTM A106. The typical chemical analysis for pipe made to this standard is as follows:

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cr (%)	Cu (%)	Mo (%)	Ni (%)	V (%)
0-0.30	0.27-1.06	0-0.035	0-0.035	0.10 min	0-0.40	0-0.40	0-0.15	0-0.40	0-0.08

##### Pipe – Welded Stainless Steel (7306.40),

##### Pipe – Seamless Stainless Steel (7304.41), and

##### Pipe Fittings – Welded and Seamless Stainless Steel Nipples (7307.29).

We hereby certify that the welded stainless steel pipe nipples and "ready cut" pipe manufactured at CapProducts are made from 20' pipe lengths as classified HTS 7306.40. We further certify that the seamless stainless steel pipe nipples and "ready cut" pipe manufactured at CapProducts are made from 20' pipe lengths as classified HTS 7304.41. All stainless steel nipples and "ready cut" pipe conform to the chemical and mechanical requirements of ASTM A312, Grade 304 and 316. The typical chemical analysis for pipe made to this standard is as follows:

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cr (%)	Ni (%)
0-0.08	0-2.0	0-0.045	0-0.03	0-1.0	18-20	8-13

##### 304/304L

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cr (%)	Ni (%)	Mo (%)
0-0.08	0-2.0	0-0.045	0-0.03	0-1.0	16-18	10-14	2-3

##### Pipe – Aluminum (7608.20), and

##### Pipe Fittings – Aluminum Nipples (7609.00).

We hereby certify that the aluminum pipe nipples and "ready cut" pipe manufactured at CapProducts are made from 20' pipe lengths as classified HTS 7608.20. They conform to the chemical and mechanical requirements of UNS A6063-T1. The typical chemical analysis for pipe made to this alloy is as follows:

Cr (%)	Cu (%)	Fe (%)	Mg (%)	Mn (%)	Si (%)	Ti (%)	Zn (%)
0-0.10	0-0.10	0-0.35	0.45-0.90	0-0.10	0.20-0.60	0-0.10	0-0.10

Bulletin: B-12.07 Rev. 4 Date: 06/28/2024 Approved By: J. Nickel Title: Technical Services Eng.

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