

Certificate of Test

ITEM INFORMATION

Part Number: 0362014003 **Description:** 2 3000 FS SKT/W 45 ELL
Heat Code: CA1427A **Heat Number:** 21505541
Reference No.:
Part Specification:

Starting Material: P004620000 **Description:** #8 ST ELL FORG A105 (3000) 1 1/2
Fitting Trademark: JBS-J.B. SMITH MFG
Specification: ASTM A105/A105M-14 / ASME SA105

CHEMICAL ANALYSIS %

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb/Nb	Al	N	CE-LF
0.190	0.940	0.014	0.010	0.220	0.020	0.020	0.050	0.003	0.001	0.002	0.004	0.0051	0.360

PHYSICAL PROPERTIES

Yield PSI	Yield MPA	Tensile PSI	Tensile MPA	Elongation	REDUCTION OF AREA %	BRINNELL HARDNESS 1	BRINNELL HARDNESS 2
44800	309	71300	492	34.70	62.20	143	147

Heat Treatment: NORMALIZED.

IMPACT TESTING

TYPE	TEMP	SMPL# 1	# 2	# 3	AVG	%SHEAR	LAT EXP
CHARPY							

SUPPLEMENTAL INFORMATION

We certify that this is a true and correct copy of the mill certificate, issued by the manufacturer of the steel employed or the laboratory which has determined it, as retained in the records of the company. J.B. Smith Mfg makes no representation beyond those of the manufacturer or its agent. Threads conform to ASME B16.11 Elongation Test Results are obtained using standard round specimen 2" 50mm gage length