



**ANWVIL**<sup>®</sup>  
INTERNATIONAL  
Building Connections That Last

# Certificate of Test



**J.B. SMITH MFG.**

ITEM INFORMATION

Part Number: 0361109705 Description: 2 3000 FS THRD 90 STR ELL  
 Heat Code: CA1257A Heat Number: 19707836  
 Reference No.:  
 Part Specification:  
 Starting Material: P004500000 Description:  
 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	CE	Cb
.200	.940	.009	.003	.220	.040	.020	.090	.010	.002	.381	.010

PHYSICAL PROPERTIES

Yield PSI	Yield MPA	Tensile PSI	Tensile MPA	Elongation	REDUCTION OF AREA %	BRINNELL HARDNESS 1	BRINNELL HARDNESS 2
37200	256	72800	502	34.2	64.5	145	148

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 EN 10204 type 3.1 NACE MR0175-09/ISO 15156-9