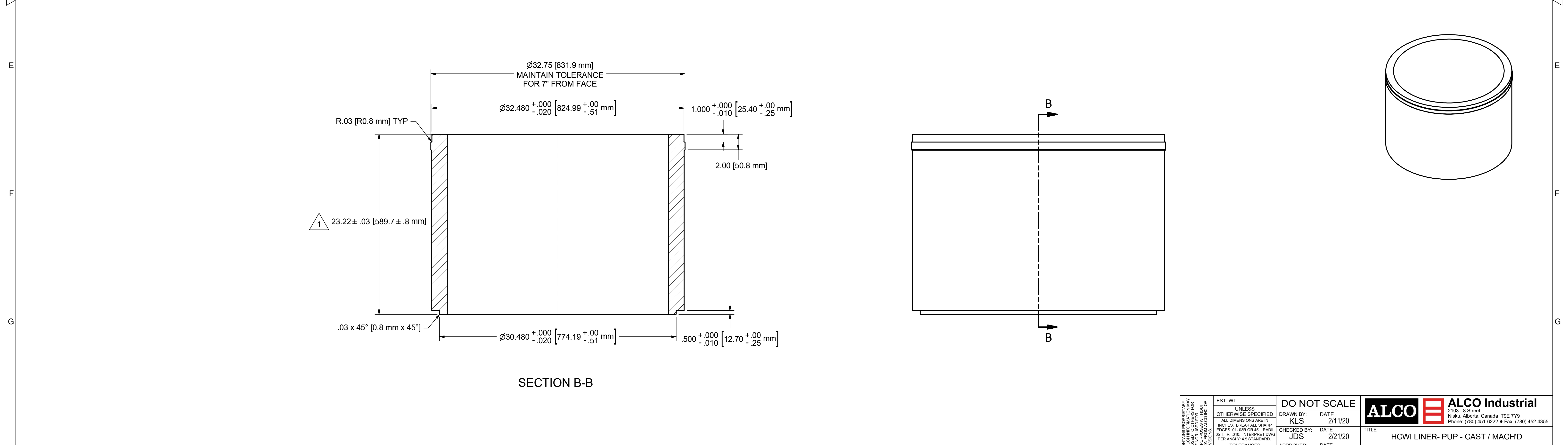


SECTION A-A

PART NUMBER	DESCRIPTION	MASS
A1-19027-100-06 HCWI liner - pup - cast	28 1/2" ID x 2" WALL x 24 7/32" HCWI LINER PUP, ASTM A532 CLASS III TYPE A, PF# 470282	1255 lbmass



SECTION B-B

PART NUMBER	DESCRIPTION	MASS
A1-19027-100-06 HCWI liner - pup	28 1/2" ID x 2" WALL x 23 7/32" HCWI LINER PUP, ASTM A532 CLASS III TYPE A, PF# 470282	1169 lbmass

REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
1	2/21/20	LENGTH WAS 22 1/2"	KLS
0	2/10/20	ISSUED FOR CONSTRUCTION	KLS

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EST. WT.  
UNLESS OTHERWISE SPECIFIED:  
ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.1" OR GR-45° R-0.01" 05.11 R. 010. INTERPRET DWG PER ANSI Y14.5 STANDARD.  
TOLERANCES:  
X = ± .118  
X.X = ± .050  
X.XX = ± .015  
X.XXX = ± .005  
ANGLES = ± 12°  
125/ ✓ FINISH ON ALL MACHINED SURFACES

DO NOT SCALE

DRAWN BY: KLS DATE: 2/11/20  
CHECKED BY: JDS DATE: 2/21/20  
APPROVED: BEM DATE: 2/21/20

MATERIAL & HEAT TREAT  
ASTM A532 CLASS III  
TYPE A

**ALCO**

**ALCO Industrial**  
2103 - 8 Street,  
Nisku, Alberta, Canada T9E 7Y9  
Phone: (780) 451-6222 • Fax: (780) 452-4355

TITLE  
HCWI LINER- PUP - CAST / MACH'D  
SYNCRUDE AURORA HT2 MAIN LINE

PROJECT No.  
A1-19027

REFERENCE  
A1-19027-100-00

REV.  
1

FILE NAME  
A1-19027-100-06 HCWI liner - pup.idw

SHEET  
1 OF 1