



SPOOL TAG DATA	
SUNCOR TAG No.:	300D-6A
SPOOL No.:	
LINE No.:	
DWG# / VP:	
NOMINAL SIZE:	30"
COMPOSITION:	STEEL CASING, HCWI LINER
MANUFACTURER:	PENTICTON FOUNDRY / ALCO
FABRICATION DATE:	MM/DD/YYYY

DESIGN CODE:	ASME B13.3
SERVICE / SPEC.:	
DESIGN PRESSURE:	532 psig (3,670 kPag)
DESIGN TEMPERATURE:	80°C
TEST PRESSURE:	N/A
WEIGHT EMPTY:	2,390 lbs. (10.63 kN)
WEIGHT FILLED:	N/A
REF. ISO:	
LINE No.:	
SPOOL No.:	

NOTE:
ECCENTRIC BORE

DETAIL B

SECTION A-A

BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19010-200-02 HCWI nozzle insert	30" HCWI NOZZLE, ASTM A532 CLASS III TYPE A, PF#
2	1	A1-19010-200-01 30in CL300 RFBL flange - thinned	Ø30" CLASS 300 RFBL FLANGE, A105N, ASME B16.47 Ser.A, 50mm THICK
3	1	A1-19010-100-03 Tab - SHORT	4" x 1 1/2" x 1/2" PLATE, A516 Gr.70
4	1	A1-19010-100-04 Tab - LONG	4" x 1 1/2" x 1/2" PLATE, A516 Gr.70
5	2	ANSI B18.3 - 3/4-10 UNC x 0.75	3/4"-NC x 3/4" SOCKET HEAD SET SCREW, FLAT POINT, Gr.5

REVISION HISTORY		
REV	DATE	DESCRIPTION
0	7/25/19	ISSUED FOR CONSTRUCTION, REVISED LINER DIMENSIONS, ADDED TOLERANCES
D	7/10/19	LINER BORE WAS CONCENTRIC
C	6/19/19	TOLERANCE WAS +0.125"-0.015" [+3.2/-0.4]
B	6/18/19	DIMENSION WAS 1 5/8"
A	4/05/19	ISSUED FOR REVIEW

SUNCOR TAG #300D-6A/B

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY BE USED FOR ANY PURPOSE OR IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM ALCO INC. OR ITS DIVISIONS.	EST. WT. 1,590 lbs.	DO NOT SCALE	
	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.01" OR 0.04" RADIUS. T.I.R. 0.010. INTERPRET DWG PER ANSI Y14.5 STANDARD.	DRAWN BY: GVD	DATE: 7/25/19
	TOLERANCES: X.XX = ±.118 X.XX = ±.050 X.XXX = ±.015 X.XXX = ±.005	CHECKED BY:	DATE:
	ANGLES: ±.12° 125/ FINISH ON ALL MACHINED SURFACES	APPROVED:	DATE:
		MATERIAL & HEAT TREAT	
		TITLE: INSERT FOR NOZZLE N7 (300D-6A, 300D-6B) FORT HILLS / SUNCOR	
		PROJECT NAME: A1-19010	REFERENCE: DD300-L-87-1
		DWG. / PART NO. A1-19010-200-00 300D-6A -6B N7 insert.idw	REV. 0 SHEET 1 OF 1

ALCO INC.
APEGGA PERMIT TO
PRACTICE No.: P10702

Manufacturer Name: PENTICTON FOUNDRY
Manufacturer Part No.: PENTICTON FOUNDRY
Vendor Name: PENTICTON FOUNDRY
Suncor Material Master:

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