



PART NUMBER	DESCRIPTION
A1-19010-100-02 HCWI nozzle insert	30" HCWI NOZZLE, ASTM A532 CLASS III TYPE A, PF#741278

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REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
2	1/13/20	ADD PF NUMBER	JDS
1	1/10/20	BORE WAS CONCENTRIC	GVD
0	12/30/2019	ISSUE FOR REVIEW	BEM

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	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.1" OR 0.45" RADIUS 0.015" TYP. 0.010" INTERPRET DWG PER ANSI Y14.5 STANDARD.	DRAWN BY: BEM	DATE: 12/30/19		
	TOLERANCES: X = ± .118 X.X = ± .050 X.XX = ± .015 X.XXX = ± .005 ANGLES = ± .12°	CHECKED BY:	DATE:		
	125/✓ FINISH ON ALL MACHINED SURFACES	APPROVED:	DATE:	TITLE: 30" HCWI NOZZLE N6 - AS CAST Suncor Main Plant	
		MATERIAL & HEAT TREAT ASTM A532 CLASS III TYPE A		PROJECT No. A1-19010	REFERENCE A1-19010-100-02 (machining)
			FILE NAME A1-19010-100-02 HCWI nozzle insert casting.idw		SHEET 1 OF 1