



ITEM NO.	PART NUMBER	SAP No	DESCRIPTION	QTY.
1	14038	14038	SHAFT COLLAR	2
2	14124		NUT, HEX, .5" NC	4
3	14312		BOLT, HHCS, .50" X 2" NC GR5	4
4	16101	16101	HAIR PIN COTTER PIN	1
5	17649		WASHER, FLAT, .50"	8
6	17653		WASHER, FLAT, .75"	2
7	49748	49748	ROD END, STEEL CLEVIS"	1
8	49749	49749	BOLT, SHOULDER	1
9	107-700-031-00	21206	MIDDLE LANCE SUPPORT	2
10	107-551-057-018	48588	LANCE SUPPORT WEIGHT, SINGLE	1
11	117-700-037-00	22268	EPCM LANCE SUPPORT BAR	1

ECN	REV	DESCRIPTION	DRAWN	CHECKED	DATE	UNLESS OTHERWISE STATED		TOLERANCE UNLESS OTHERWISE SPECIFIED		PROPRIETARY AND CONFIDENTIAL	
-	A	RELEASED FOR MANUFACTURING	PWF	SH	09/30/11	- ALL SHARP EDGES TO BE GROUND R0.125" - ALL WELDS IN ACCORDANCE WITH AWS D1.1 and KWS-001 - MARK/STAMP PT. # AND/OR W.O. # ON PARTS - $\text{C} \pm 0.063$		X" $\pm .5"$ X.X" $\pm .25"$ X.XX" $\pm .125"$ X.XXX" $\pm .063"$ X.XXXX" $\pm .010"$ X° $\pm 1^\circ$		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HUB CITY IRON WORKS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HUB CITY IRON WORKS IS PROHIBITED.	
603	B	ADD HAIRPIN COTTER PIN	JD	PF	4/14/14	MATERIAL N/A		3rd ANGLE PROJECTION		TITLE: EPCM LANCE SUPPORT	
912	C	MULTIPLE CHANGES	JD	RL	7/25/15	COATING N/A				DWG. No: 117-701-036-00 REV.: F	
	D	REPLACED CLEVIS TO MATCH FLS	JD	RL	8/11/16	DO NOT SCALE ALL DIMENSION IN INCHES				SAP. No: WT: LBS SHEET 1 OF 1	
912	E	REPLACE LANCE BAR WITH NEW LANCE BAR	RL	JD	1/16/17						
	F	CHANGED PART NO'S TO SAP'S	RL	JD	12/4/17						

001-101-005 REV A C:\ENGRVAULT\00ENGRVAULT\Products\117 - Enclosed Pipe Cleaning Machine\701 - MECHANICAL ASSEMBLY\