

Final Inspection Automation Project

Current State

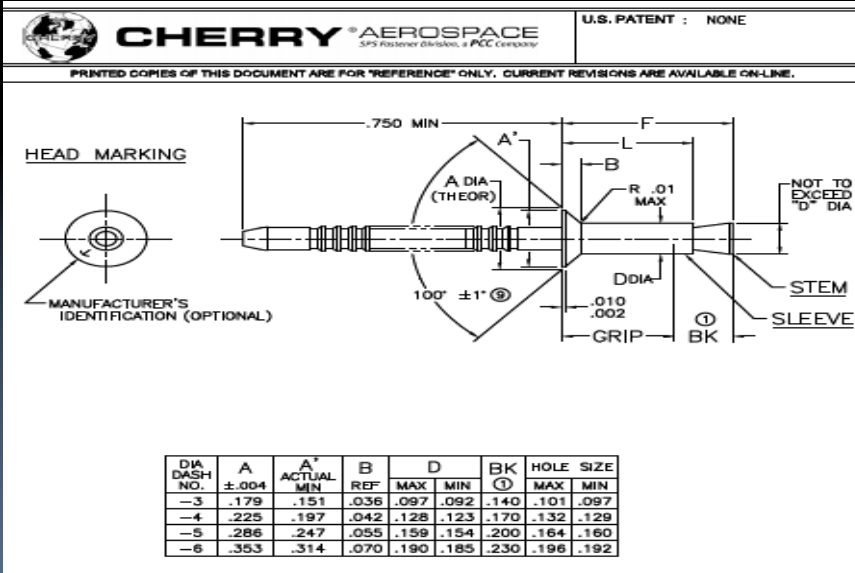
- Time study completed by Cherry Aerospace revealed that 30 – 90 minute dimensional inspection is performed on up to 125 parts per lot.
- Inspection capacity is approximately 35 lots/day utilizing current labor & equipment resources.
- Inspection Goal of 53 lots per day has been achievable only through utilization of temporary and overtime labor.
- Current inspection methods and restricted resources prohibit meeting or exceeding the daily target.

Risk

- Insufficient inspection capacity will prevent Cherry Aerospace from delivering product on time in accordance with customer demand.
- Utilization of temporary and overtime labor prevents Cherry from achieving cost reduction goals.
- Failure to satisfy customer demand jeopardizes Cherry's ability to sustain and grow it's customer base.

Desired State

- Increase inspection capacity to 54 production lots per day without utilizing temporary and/or overtime labor.
- Identify and qualify automated inspection equipment/ technology to rapidly inspect critical attributes of high volume product lines.
- Critical attributes include:
 - Concentricity
 - Land Thickness
 - Perpendicularity of Rivet End
 - Head Protrusion Thickness
 - Other attributes as defined by product drawing.
- Reduce Inspection department operating cost/ improve productivity.



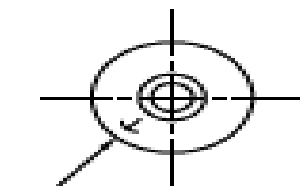


CHERRY® AEROSPACE
SPS Rosemount Division, a PCC Company

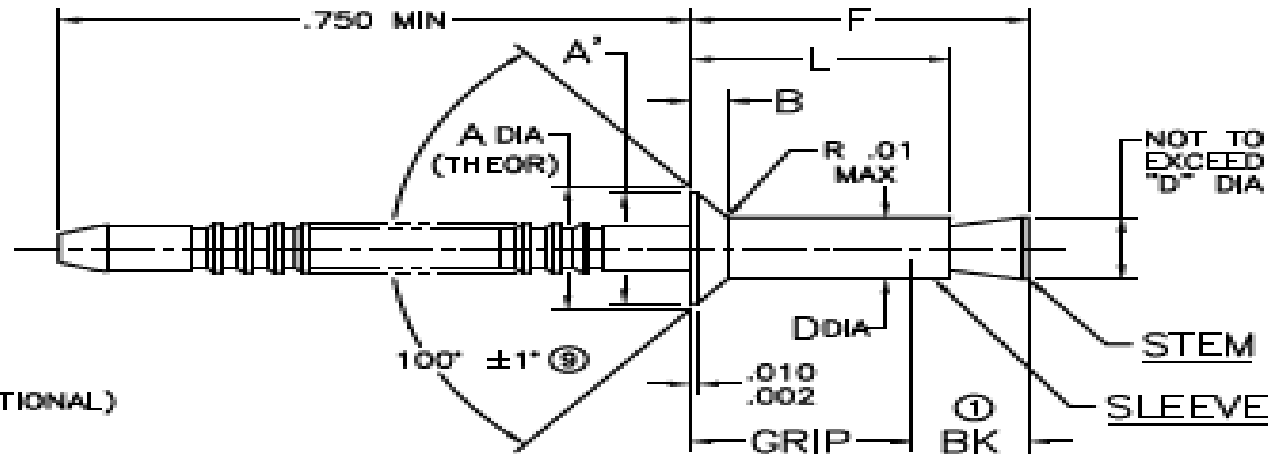
U.S. PATENT : NONE

PRINTED COPIES OF THIS DOCUMENT ARE FOR "REFERENCE" ONLY. CURRENT REVISIONS ARE AVAILABLE ON-LINE.

HEAD MARKING



MANUFACTURER'S IDENTIFICATION (OPTIONAL)



DIA DASH NO.	A ±.004	A' ACTUAL MIN	B REF	D		BK (S)	HOLE SIZE	
				MAX	MIN		MAX	MIN
-3	.179	.151	.036	.097	.092	.140	.101	.097
-4	.225	.197	.042	.128	.123	.170	.132	.129
-5	.286	.247	.055	.159	.154	.200	.164	.160
-6	.353	.314	.070	.190	.185	.230	.196	.192