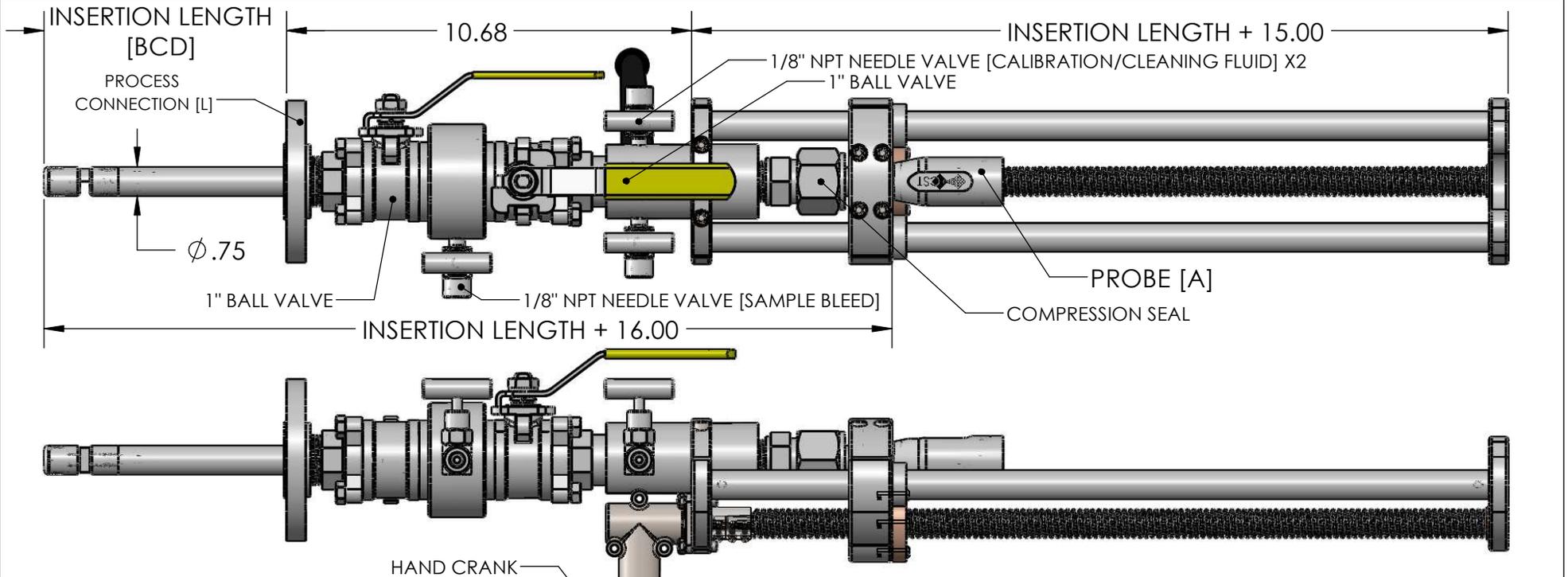


**3/4" PROBE INSERTION TOOL W/ PROBE**  
**PART NUMBER: 5101-A-BCD-EFG-HI-JK-L**

- A = PROBE TYPE:** [0] TRANSMISSION [1] FLUORESCENCE [2] REFLECTANCE  
**BCD = INSERTION LENGTH:** (XXX mm) STANDARD INSERTION LENGTH = 225mm  
**E = SEAL MATERIAL:** [0] VITON [1] KALREZ [2] CHEMRAZ [3] FDA CLASS VI EPOXY [4] OTHER (SPECIFY)  
**F = WINDOW MATERIAL:** [0] FUSED SILICA [1] SAPPHIRE  
**G = INTERNAL OPTICS:** [0] FUSED SILICA (220-1200nm) [2] BK7 (400-2400nm)  
**HI = PATHLENGTH:** (XX mm) 0-20 mm (STANDARD PATHLENGTHS ARE 1,5, AND 10mm)  
**J = VALVE PACKING MATERIAL:** [0] PTFE  
**K = BODY MATERIAL:** [0] 316SS [1] TITANIUM [2] HASTELLOY C 276 [3] MONEL [4] OTHER (SPECIFY)  
**L = PROCESS CONNECTION:** [0] ANSI 150# FLANGE [1] OTHER (SPECIFY)



**STANDARD SPECIFICATIONS:**

- PROBE DIAMETER: 0.75in  
 INSERTION LENGTH: 225mm  
 STANDARD PATHLENGTHS: 1, 5, AND 10 mm  
 PATHLENGTH TOLERANCE: +/- 0.1mm OR 5%, WHICHEVER IS GREATER  
 WAVELENGTH RANGE: DEFINED BY INTERNAL OPTICS  
 FIBER TERMINATIONS: SMA-905  
 MAX TEMPERATURE: 204C (400F)  
 MAX PRESSURE: 500PSI

**UNLESS OTHERWISE SPECIFIED:**

DIMENSIONS ARE IN INCHES  
 TOLERANCES ARE:  
 ANGULAR: ± .3 deg.  
 TWO PLACE DECIMAL ± .03  
 THREE PLACE DECIMAL ± .005

INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5M

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME	DATE
RJN	20190212
APPROVED	
S.O.	
P.O.	

**PROPRIETARY AND CONFIDENTIAL**

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**TITLE:**  
 3/4" INSERTION TOOL W/ PROBE  
 5101 SERIES OVERVIEW

SIZE	DWG. NO.	REV
<b>A</b>	5101-A-BCD-EFG-HI-JK-L	1.00

SCALE: 1:12 WEIGHT: SHEET 1 OF 1