

CRITICAL CUSTOMER REQUIREMENTS

MATERIALS:

RoHS COMPLIANT PER EU DIRECTIVE 2002/95/3C OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 JANUARY 2003.

BARREL – PHOS BRONZE, UNS-C51000, PRE-PLATED GOLD OVER SULFAMATE NICKEL

PLUNGER – BERYLLIUM COPPER, UNS-C17300, HEAT TREATED TO Rc36-42, PLATED GOLD OVER ELECTROLESS NICKEL

SPRING – STAINLESS STEEL, TYPE 304.

NOTE: GOLD PLATED PER ASTM B488, TYPE II, CODE C. ELECTROLESS NICKEL PLATED PER ASTM B733, TYPE IV OR V. SULFAMATE NICKEL PLATED PER ASTM B689, TYPE 1. ALL PLATING THICKNESS PROPRIETARY TO IDI.

PERFORMANCE:

SPRING FORCES:

AT PRELOAD – 0.3 oz.

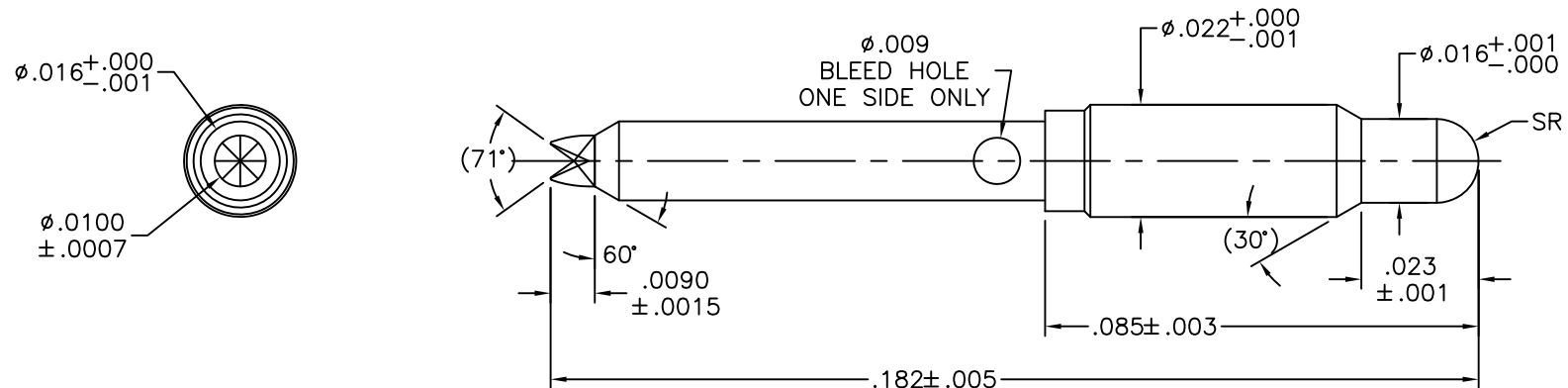
AT .022 TRAVEL – 0.9 oz.

AT .025 FULL TRAVEL – 1.0 oz.

PLUNGER RUNOUT – .001 T.I.R.

PLUNGER WOBBLE (THEOR) – .006 MAX (.012 T.I.R.)

TYPICAL POINTING ACCURACY – LESS THAN .005 (.010 T.I.R.)



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REVISIONS				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCE ON: FRACTIONS DECIMALS ANGLES ±1/64 ±.005 ±0°-30°			TITLE SIGNATURE DATE			smiths connectors 5101 RICHLAND AVENUE KANSAS CITY, KANSAS 66106		
REV. LTR.	DATE	ECRN NO.	APPR. BY				DR	DS	11/29/10	TITLE 0.75mm LCR-100 USL PLUNGER		
				FINISH ~			CHK			PART TO BE FREE OF BURRS AND SHARP EDGES		
				MATERIAL ~			APP			DO NOT SCALE THIS DRAWING		
P.2	5/14/15	32888	GB							SIZE B DRAWING NO. 101111-009C REV. P.2		
N.3	2/23/12	18522	DS							SCALE: 40:1 SHEET 1 OF 1		