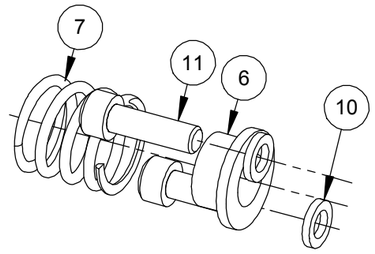
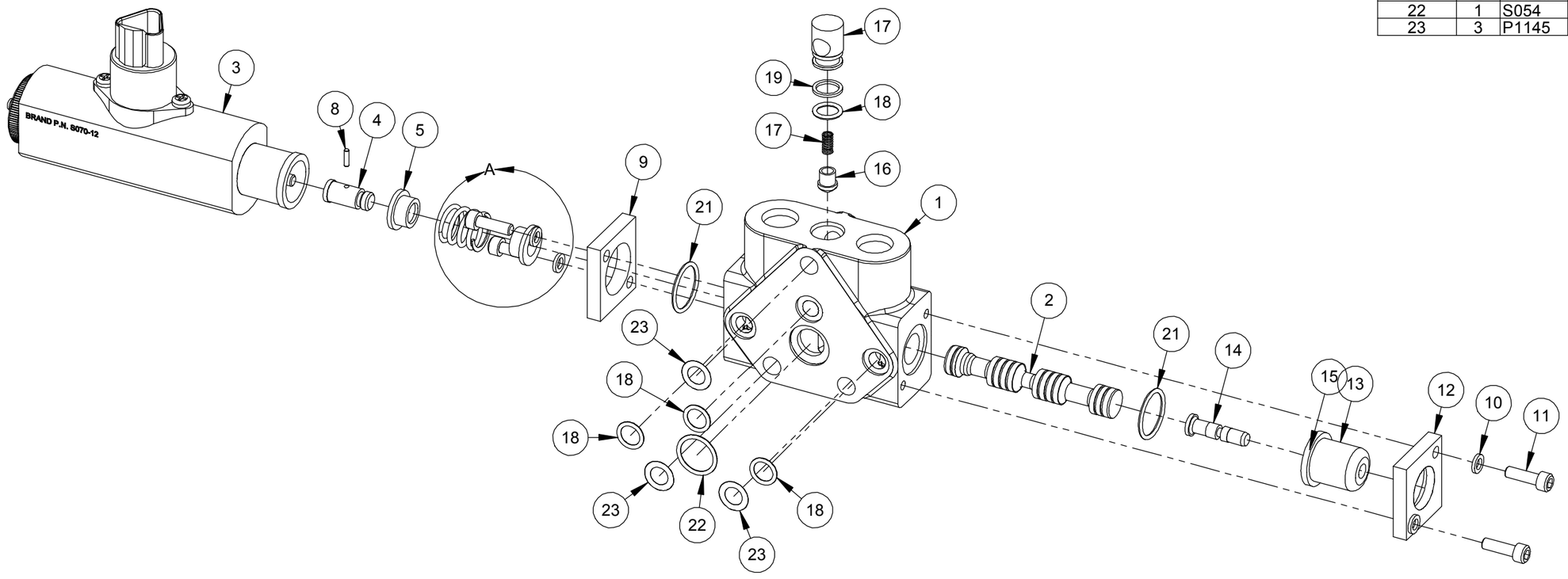
ITEM NO.	QTY.	P.N.	DESCRIPTION
1	1	S003-21	CASTING, S21, W/S
2	1	S089	S21 O4 SPOOL
3	1	S070-12	S21 12 VDC COIL/TUBE ASSY
4	1	S076	S21 SPRING CENTERING BOLT
5	1	S075	S21 SPRING GUIDE
6	1	S079	S21 SPRING GUIDE
7	1	S071	COMPRESSION SPRING
8	1	S095	PIN, DOWEL, 5/64 x 5/16"
9	1	S073	FLANGE, SOLENOID, S21
10	4	P2056	WASHER, #10
11	4	S094	10-32 x 5/8 S.H.C.S.
12	1	S105	RETAINER, PUSH PIN
13	1	S106	S21 PUSH PIN ENDCAP
14	1	S107	S21 PUSH PIN
15	1	SF395	O-RING, 2-006
16	1	S021	S20 INLET CHECK POPPET
17	1	S027	S20 ANTI-DROP CHECK SPRING
18	4	HP23	O-RING, 2-012
19	1	HP24	BACK-UP, 8-012
20	1	S020	PLUG, S20, INLET CHECK
21	2	TS325	O-RING, 2-018
22	1	S054	O RING 2-016 90D
23	3	P1145	STEEL SHIM



DETAIL A
SCALE 1 : 1



REV.	DATE	DESCRIPTION
A	5/24/2013	S070-12 WAS S097-12

NOTES:

1. USE 768 (GREEN LOCTITE) ON ITEM (4) WHEN ASSEMBLING.
2. USE 242 (BLUE LOCTITE) ON ITEMS (11) WHEN ASSEMBLING.

BRAND HYDRAULICS CO., INC
2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105

TITLE: S21, WORK SECTION
OPEN, 12 VDC, ELECTRIC & PUSH PIN OVERRIDE

MATERIAL: -

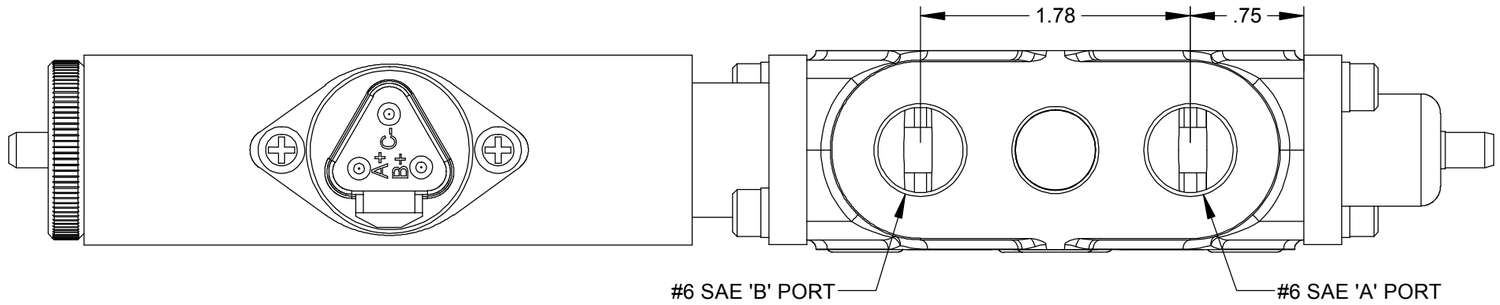
STANDARD TOLERANCE UNLESS NOTED:
0.00 ± 0.010 (0.015 GCI)
0.000 ± 0.005 (0.010 GCI)
◎ = .005 TIR
FRACTION ± 1/32
ANGLE ± 2°
DIMENSIONS ARE IN INCHES

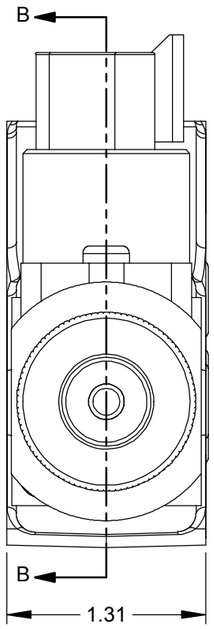
P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS

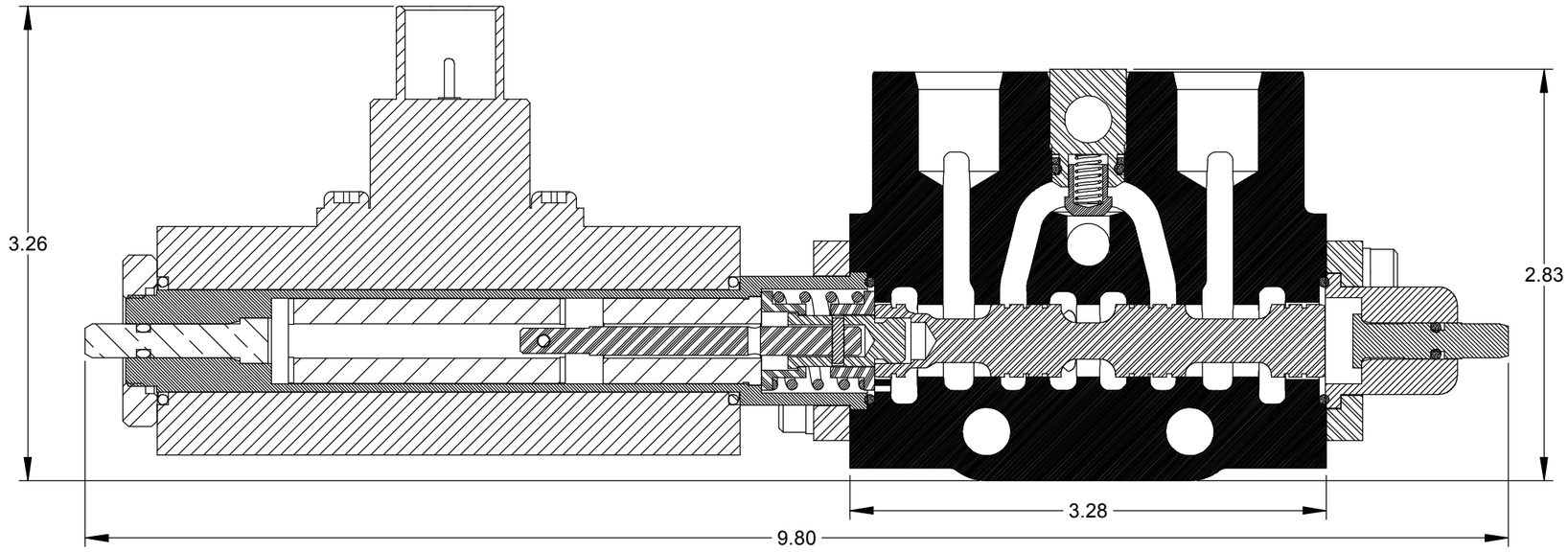
FINISHING SPECIFICATIONS:
HEAT TREAT: -±2RC X - ⇩
GRIND: -
PLATE: -

DRAWN BY: R. BATT
DATE: 12/04/2012
APRV'D BY:
APRV'D DATE:
SCALE: 1:2
FORMAT - B

PART NO: 21BO4MA







SECTION B-B

BRAND HYDRAULICS CO., INC 2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105			
TITLE: S21, WORK SECTION OPEN, 12 VDC, ELECTRIC & PUSH PIN OVERRIDE			MATERIAL: -
STANDARD TOLERANCE UNLESS NOTED: 0.00 ± 0.010 (0.015 GCI) 0.000 ± 0.005 (0.010 GCI) ◎ = .005 TIR FRACTION ± 1/32 ANGLE ± 2° DIMENSIONS ARE IN INCHES	P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS FINISHING SPECIFICATIONS: HEAT TREAT: -±2RC X - ⇩ GRIND: - PLATE: -	DRAWN BY: R. BATT DATE: 12/04/2012 APRV'D BY: APRV'D DATE: SCALE: 1:1 FORMAT - B	PART NO: 21BO4MA