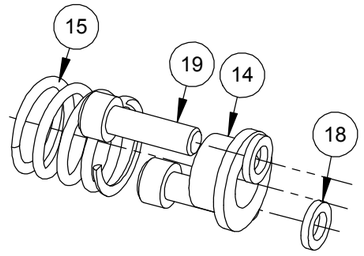
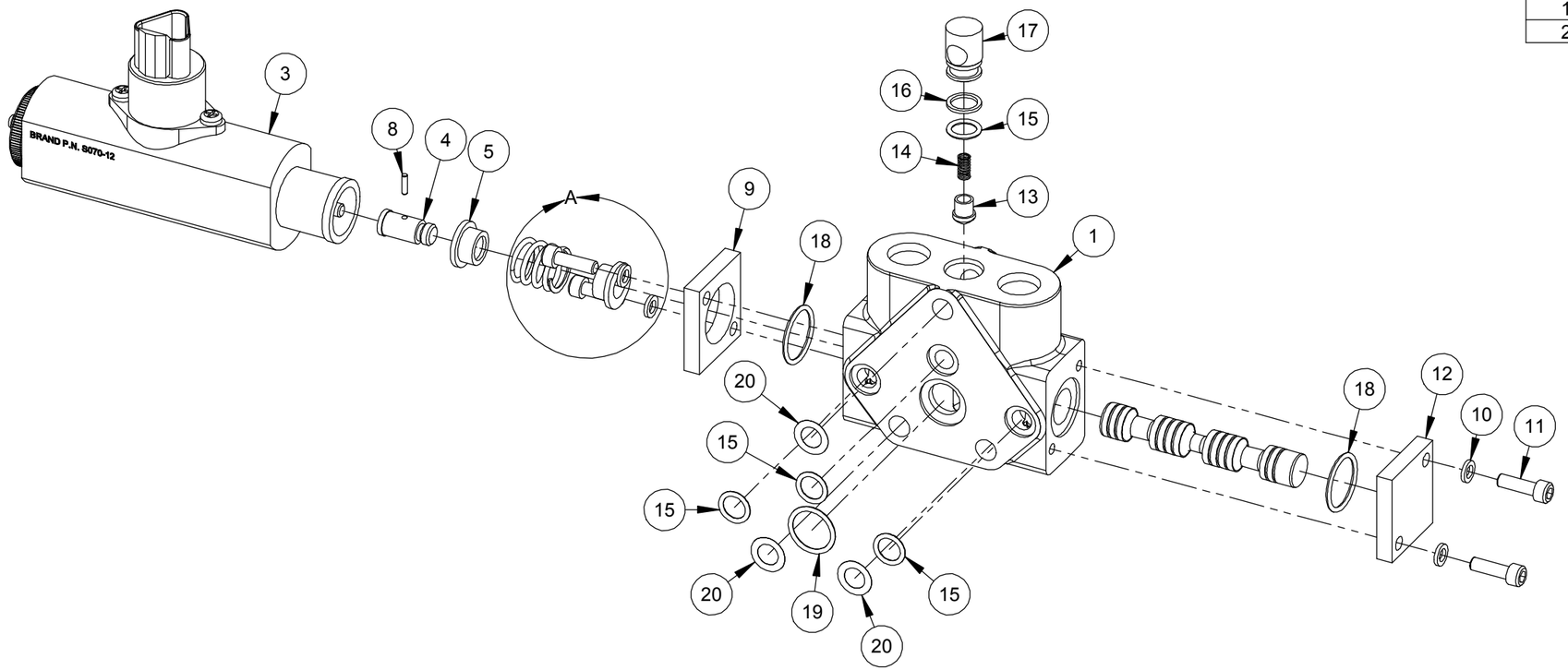
ITEM NO.	QTY.	P.N.	DESCRIPTION
1	1	S003-21	CASTING, S21, W/S
2	1	S087	SPOOL, S21, T4
3	1	S070-12	S21 12 VDC COIL/TUBE ASSY
4	1	S076	S21 SPRING CENTERING BOLT
5	1	S075	S21 SPRING GUIDE
6	1	S079	S21 SPRING GUIDE
7	1	S071	COMPRESSION SPRING
8	1	S095	PIN, DOWEL, 5/64 x 5/16"
9	1	S073	FLANGE, SOLENOID, S21
10	4	P2056	WASHER, #10
11	4	S094	10-32 x 5/8 S.H.C.S.
12	1	S077	S21 DIRECT ACTING ELECTRIC ENDCAP
13	1	S021	S20 INLET CHECK POPPET
14	1	S027	S20 ANTI-DROP CHECK SPRING
15	4	HP23	O-RING, 2-012
16	1	HP24	BACK-UP, 8-012
17	1	S020	PLUG, S20, INLET CHECK
18	2	TS325	O-RING, 2-018
19	1	S054	O RING 2-016 90D
20	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
TANDEM, 12 VDC, ELECTRIC ONLY

MATERIAL: -

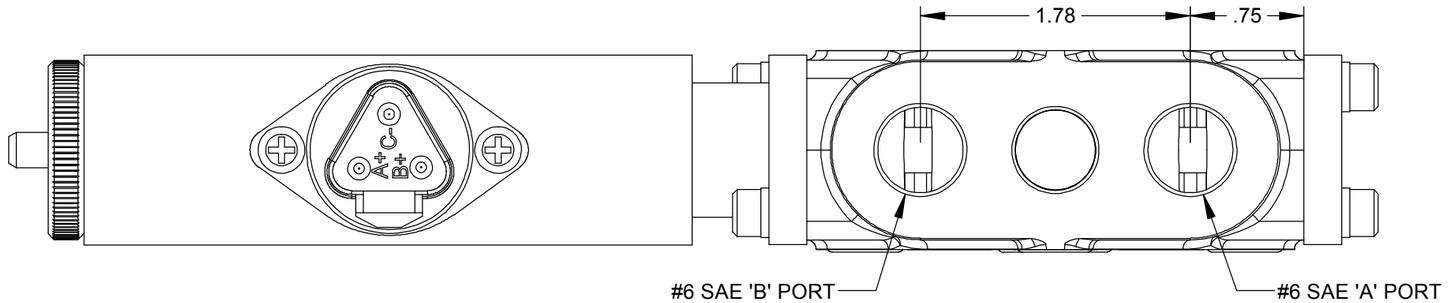
STANDARD TOLERANCE UNLESS NOTED:
0.00 ± 0.010 (0.015 GCI)
0.000 ± 0.005 (0.010 GCI)
◎ = .005 TIR
FRACTION ± 1/32
ANGLE ± 2°
DIMENSIONS ARE IN INCHES

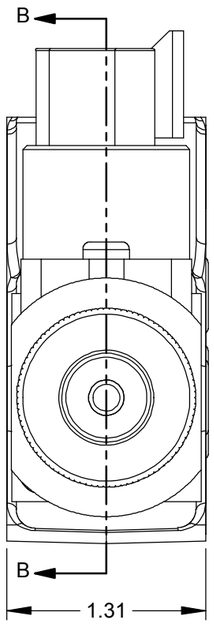
P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS

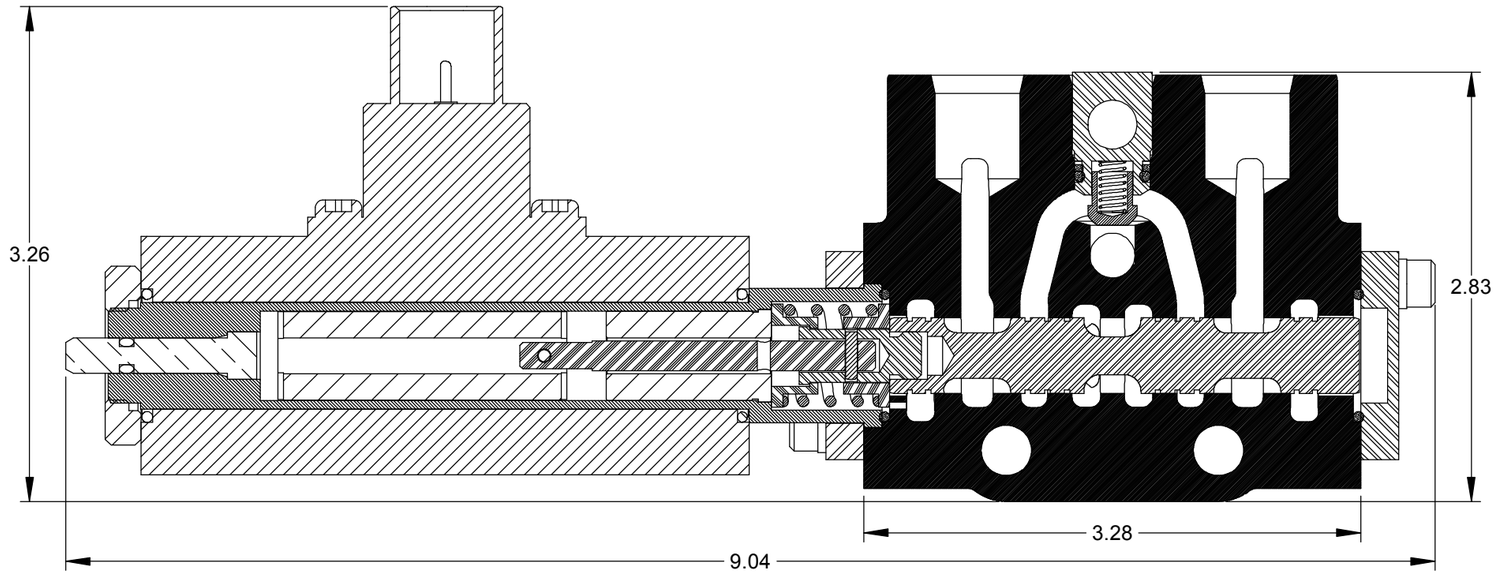
FINISHING SPECIFICATIONS:
HEAT TREAT: -±2RC X - ⇩
GRIND: -
PLATE: -

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

PART NO: 21BT4EA







SECTION B-B

BRAND HYDRAULICS CO., INC 2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105			
TITLE: S21, WORK SECTION TANDEM, 12 VDC, ELECTRIC ONLY			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: 21BT4EA