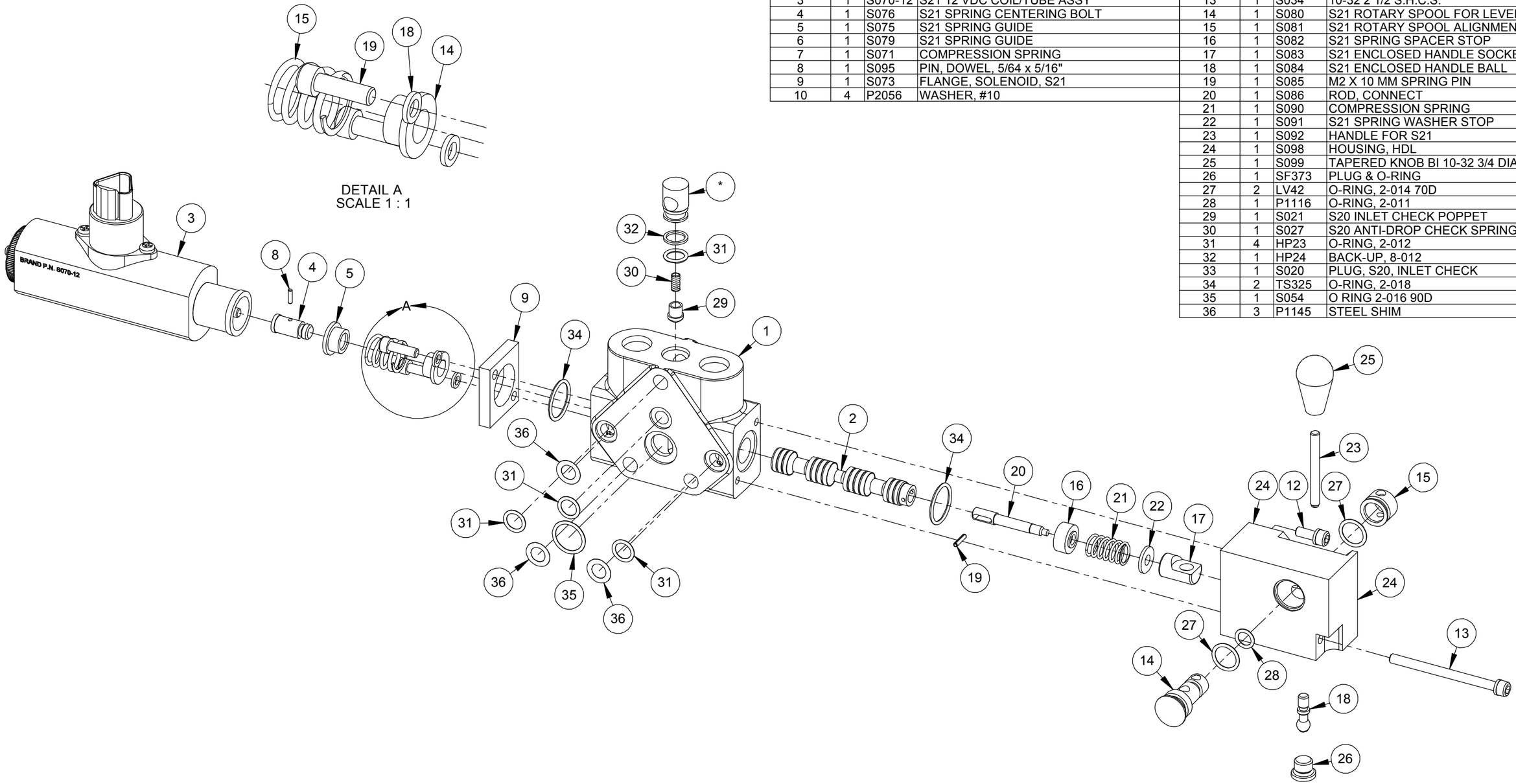
ITEM NO.	QTY.	P.N.	DESCRIPTION
1	1	S003-21	CASTING, S21, W/S
2	1	S087EM	S21 T4 ELEC./MAN. SPOOL
3	1	S070-12	S21 12 VDC COIL/TUBE ASSY
4	1	S076	S21 SPRING CENTERING BOLT
5	1	S075	S21 SPRING GUIDE
6	1	S079	S21 SPRING GUIDE
7	1	S071	COMPRESSION SPRING
8	1	S095	PIN, DOWEL, 5/64 x 5/16"
9	1	S073	FLANGE, SOLENOID, S21
10	4	P2056	WASHER, #10
11	2	S094	10-32 x 5/8 S.H.C.S.
12	1	S032	10-32 1/2 S.H.C.S.
13	1	S034	10-32 2 1/2 S.H.C.S.
14	1	S080	S21 ROTARY SPOOL FOR LEVER HANDLE
15	1	S081	S21 ROTARY SPOOL ALIGNMENT SLEEVE
16	1	S082	S21 SPRING SPACER STOP
17	1	S083	S21 ENCLOSED HANDLE SOCKET
18	1	S084	S21 ENCLOSED HANDLE BALL
19	1	S085	M2 X 10 MM SPRING PIN
20	1	S086	ROD, CONNECT
21	1	S090	COMPRESSION SPRING
22	1	S091	S21 SPRING WASHER STOP
23	1	S092	HANDLE FOR S21
24	1	S098	HOUSING, HDL
25	1	S099	TAPERED KNOB BI 10-32 3/4 DIA.
26	1	SF373	PLUG & O-RING
27	2	LV42	O-RING, 2-014 70D
28	1	P1116	O-RING, 2-011
29	1	S021	S20 INLET CHECK POPPET
30	1	S027	S20 ANTI-DROP CHECK SPRING
31	4	HP23	O-RING, 2-012
32	1	HP24	BACK-UP, 8-012
33	1	S020	PLUG, S20, INLET CHECK
34	2	TS325	O-RING, 2-018
35	1	S054	O RING 2-016 90D
36	3	P1145	STEEL SHIM



REV.	DATE	DESCRIPTION
A	5/28/2013	S070-12 WAS S097-12

NOTES:

1. USE 768 (GREEN LOCTITE) ON ITEM (4) WHEN ASSEMBLING.
2. USE 242 (BLUE LOCTITE) ON ITEMS (19) (12) (13) (18) (20) (23) WHEN ASSEMBLING.

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

TITLE: S21, WORK SECTION
TANDEM, 12 VDC, LEVER & ELECTRIC CONTROL

MATERIAL: -

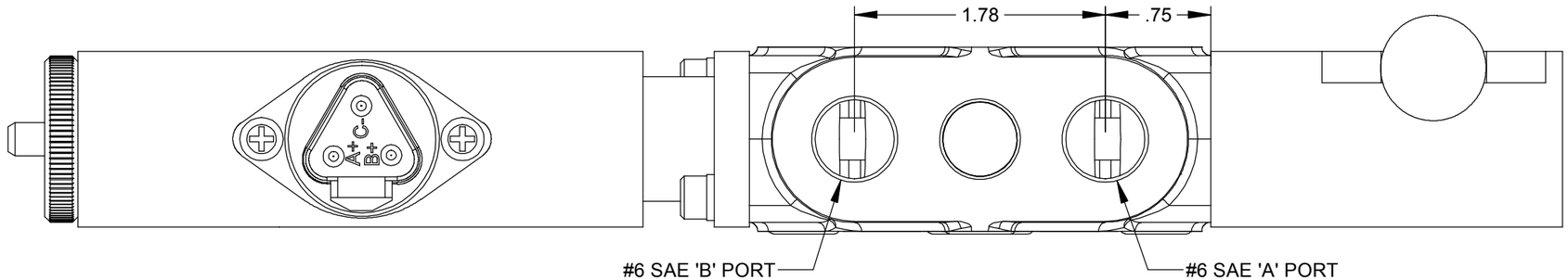
STANDARD TOLERANCE UNLESS NOTED:
0.00 ± 0.010 (0.015 GCI)
0.000 ± 0.005 (0.010 GCI)
◎ = .005 TIR
FRACTION ± 1/32
ANGLE ± 2°
DIMENSIONS ARE IN INCHES

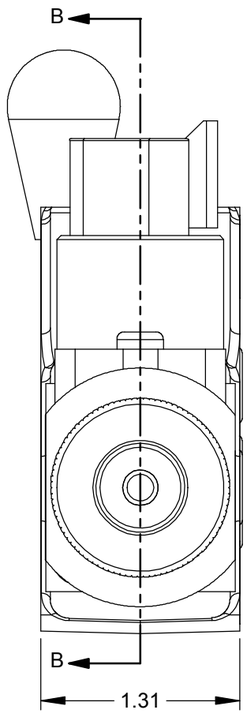
P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS

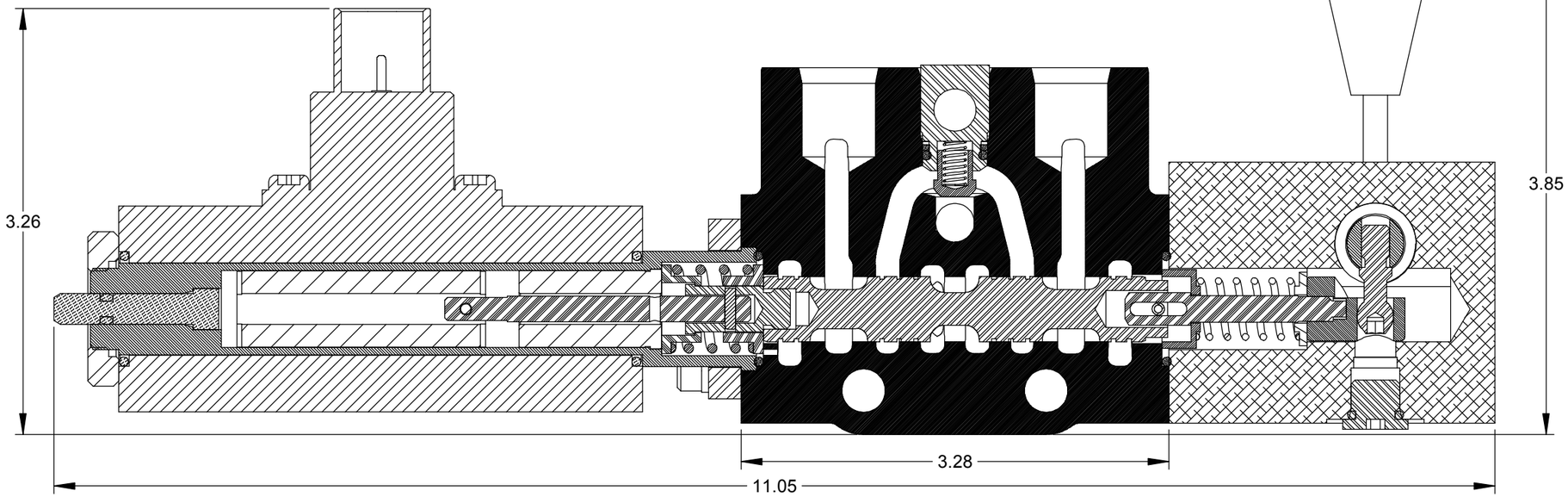
FINISHING SPECIFICATIONS:
HEAT TREAT: -±2RC X - ⇩
GRIND: -
PLATE: -

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

PART NO: 21BT4LA







SECTION B-B

BRAND HYDRAULICS CO., INC 2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105			
TITLE: S21, WORK SECTION TANDEM, 12 VDC, LEVER & ELECTRIC CONTROL			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: 21BT4LA