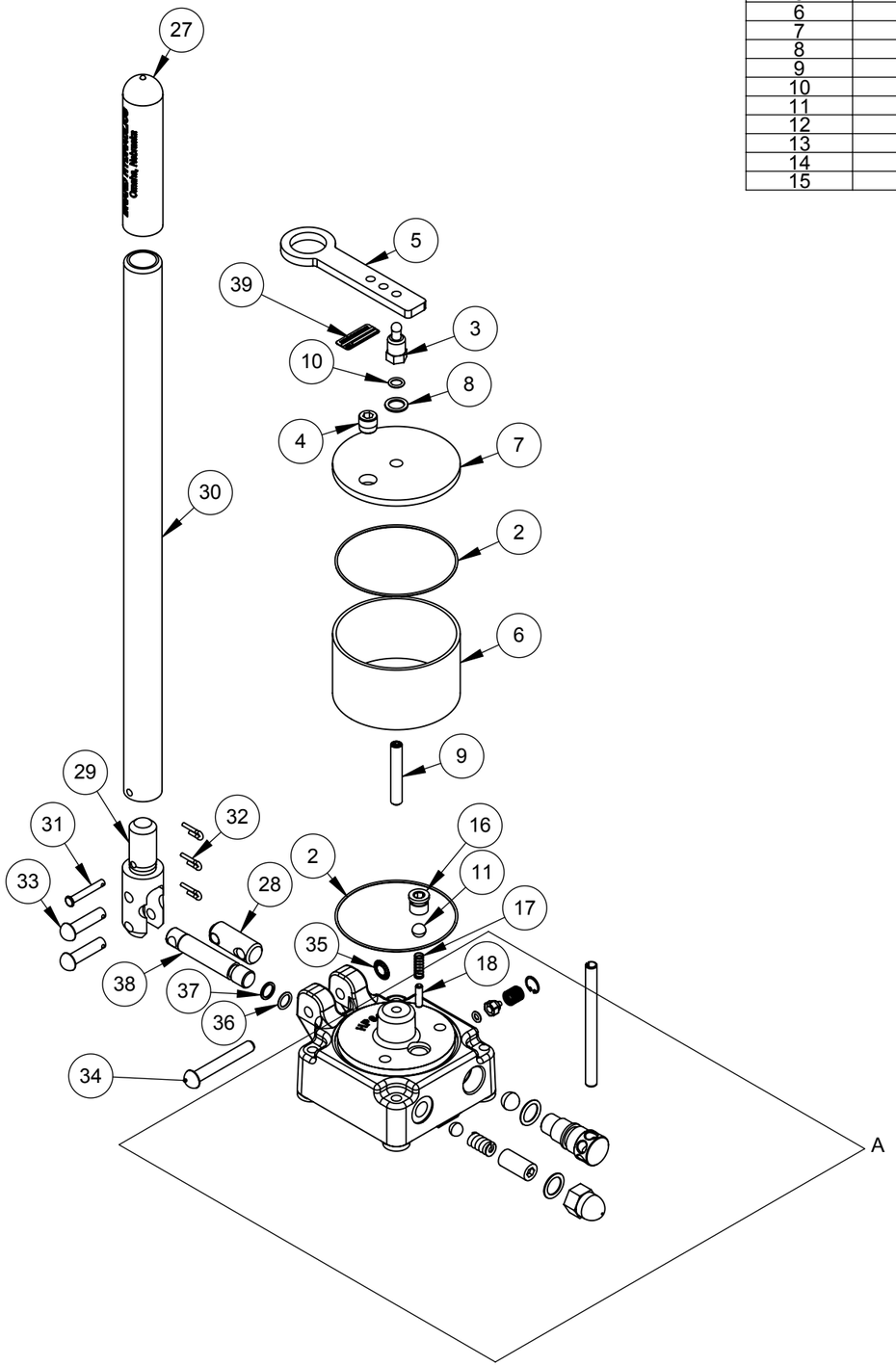
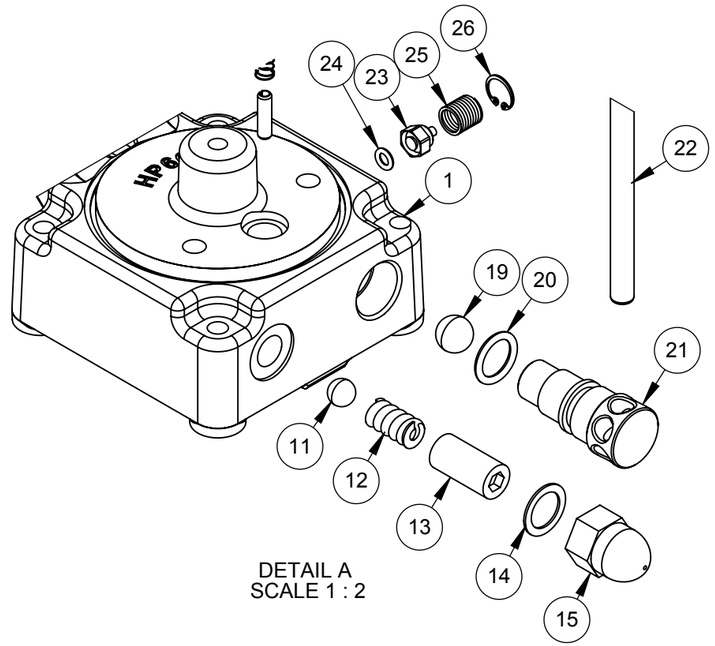
ITEM NO.	QTY.	P.N.	DESCRIPTION
1	1	HP20	HP61 MACHINED CASTING
2	2	P1715	O RING, 2-042
3	1	P1859	FASTENER
4	1	B5019	PLUG, 1/4 NPT
5	1	P1869	STRAP
6	1	P1803	TANK
7	1	P1802	TANK CAP
8	1	P1672	SEAL RETAINER
9	1	P1873	5/16-18 x 2 SOC. SET SCREW
10	1	P1116	O-RING, 2-011
11	2	B5033	3/8 BALL BEARING
12	1	B5054	SPRING
13	1	HP37	1/2-20 x 1 ADJUSTING SCREW
14	1	HP62	ALUMINUM WASHER
15	1	HP36	1/2-20 ACORN NUT HI CROWN ZINC

ITEM NO.	QTY.	P.N.	DESCRIPTION
16	1	B5010A	PLUG, BALL SEAT
17	1	HP64	SPRING
18	1	PC66	3/16 X 11/16 SPRING PIN
19	1	B5067	1/2" BALL
20	1	AP55	O RING, 2-113
21	1	HP3	RELEASE HAND PUMP
22	1	HP4	ROLL PIN
23	1	P1711	POPPET
24	1	P1714	O RING, 2-008
25	1	HP8	SPRING
26	1	HP9	SNAP RING
27	1	HP17A	HANDLE GRIP FOR HP10
28	1	HP11	HP LINKAGE
29	1	P1765	LINKAGE
30	1	HP10	HANDLE
31	1	P1766	CLEVIS PIN
32	3	SF371	COTTER PIN
33	2	HP14A	RIVET
34	1	HP13A	RIVET
35	1	HP15A	WASHER
36	1	HP23	O RING, 2-012
37	1	HP24	BACKUP, 8-012
38	1	HP59	PISTON SHAFT
39	1	P1740	NAME TAG



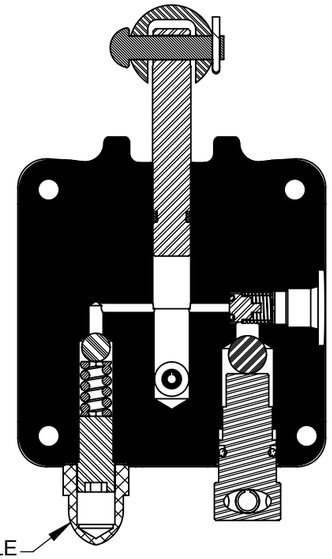


DETAIL A
SCALE 1 : 2

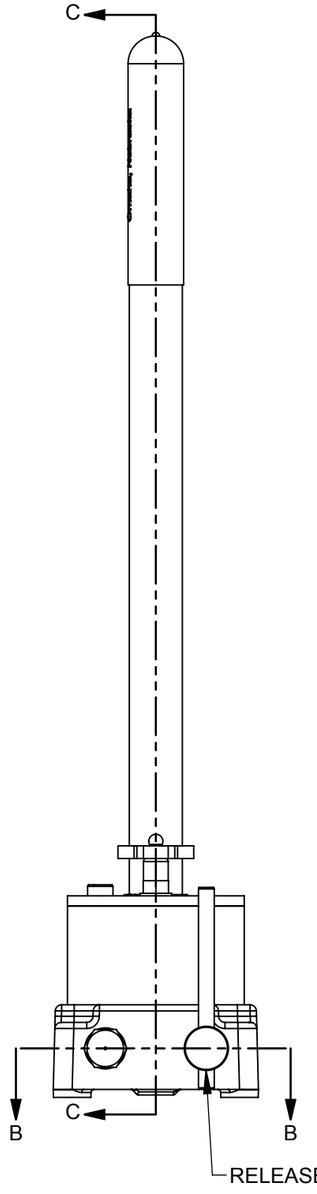
APPLICABLE KITS:
SEAL KIT: HP22-K (SEE DRAWING HP22-K FOR PARTS BREAKDOWN)

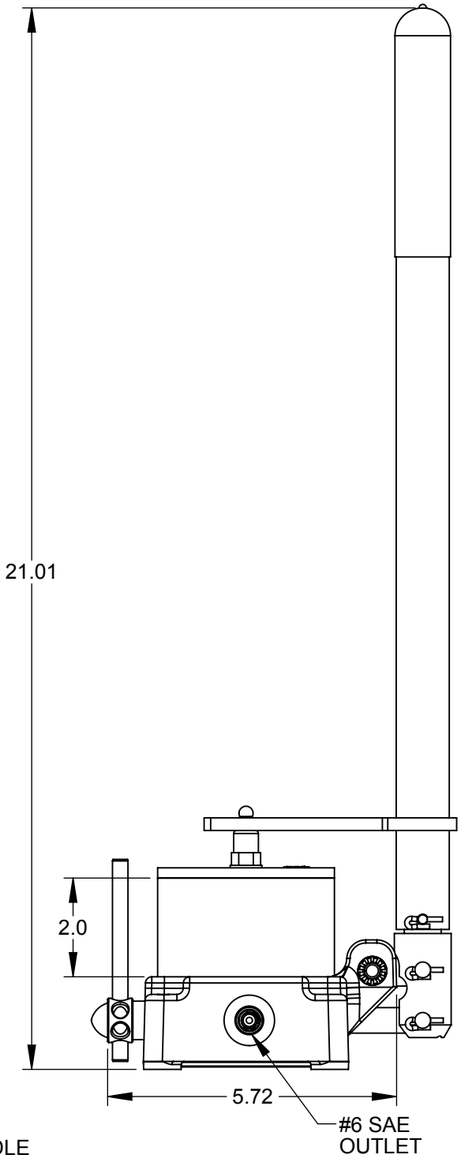
BRAND HYDRAULICS CO., INC
2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105

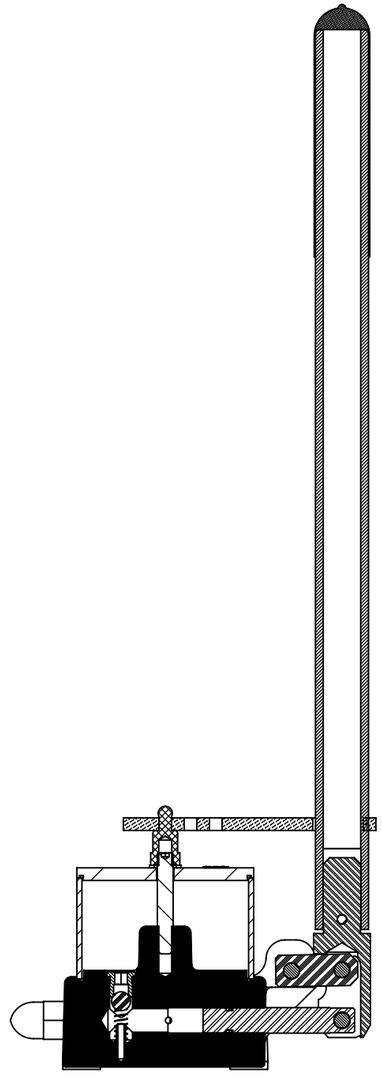
TITLE: HANDPUMP, HP22SA 2" TANK, RELIEF			MATERIAL: - -
STANDARD TOLERANCE UNLESS NOTED: 0.00 ± 0.010 (0.015 GCI) 0.000 ± 0.005 (0.010 GCI) ◎ = .005 TIR FRACTION ± 1/32 ANGLE ± 2° DIMENSIONS ARE IN INCHES	P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS	DRAWN BY: R. BATT DATE: 11/05/2012 APRV'D BY: APRV'D DATE:	PART NO: HP22SATL
	FINISHING SPECIFICATIONS: HEAT TREAT: - ±2RC X - ⇂ GRIND: - PLATE: -	SCALE: 1:4 FORMAT - B	



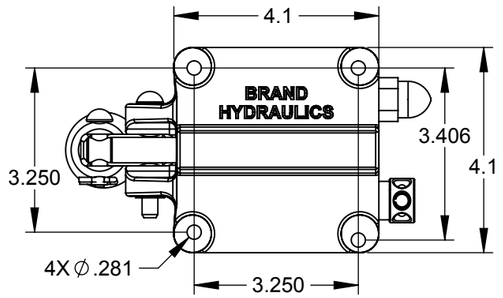
SECTION B-B
SCALE 1 : 2







SECTION C-C



BRAND HYDRAULICS CO., INC 2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105			
TITLE: HANDPUMP, HP22SA 2" TANK, RELIEF			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: 11/05/2012 APRV'D BY: APRV'D DATE: SCALE: 1:3 FORMAT - B	PART NO: HP22SATL