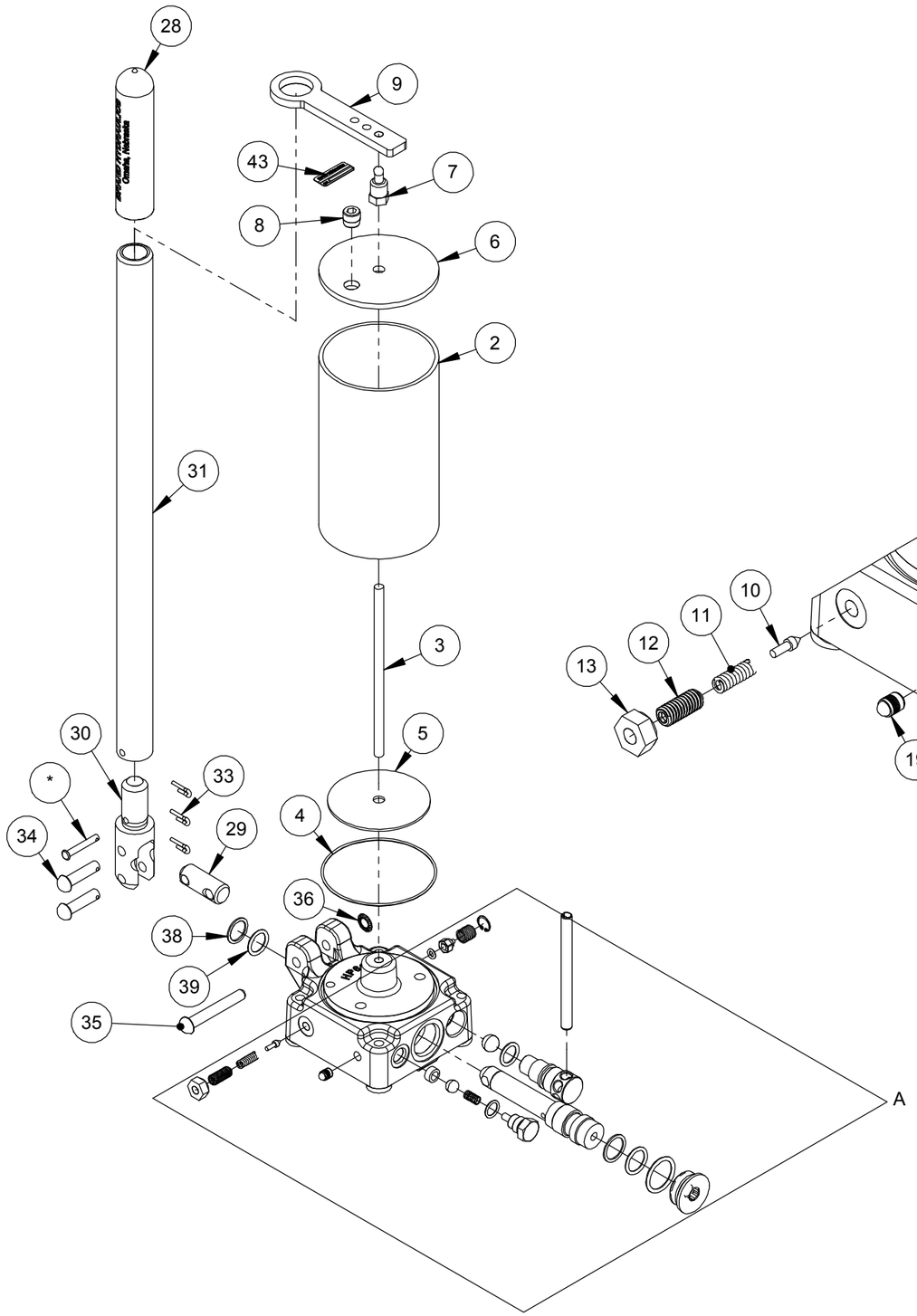
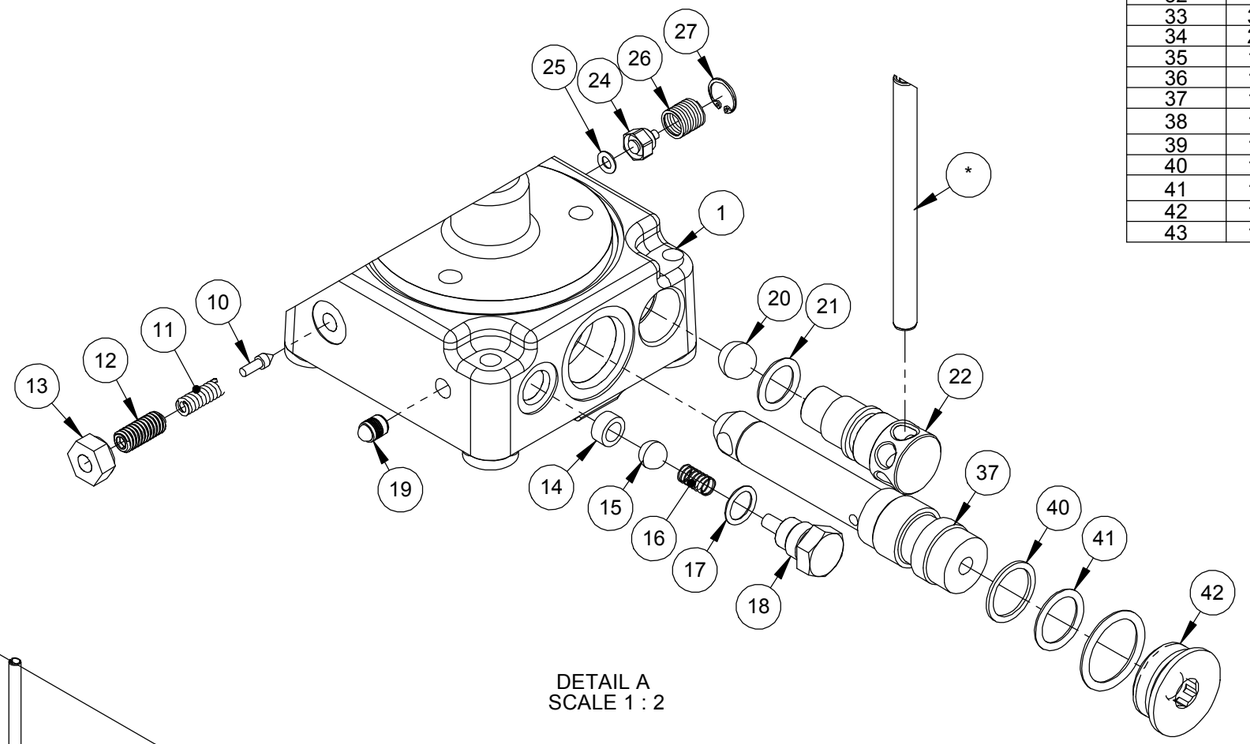
| ITEM NO. | QTY. | P.N. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | HP61 | HAND PUMP CAST 7/8" BORE |
| 2 | 1 | HP32 | TANK 6" |
| 3 | 1 | HP286 | 6" TIE ROD 50 |
| 4 | 1 | P1715 | O-RING, 2-042 |
| 5 | 1 | HP63 | BAFFLE |
| 6 | 1 | HP29 | LID |
| 7 | 1 | P1859 | FASTENER |
| 8 | 1 | B5019 | PLUG, 1/4 NPT |
| 9 | 1 | P1869 | STRAP |
| 10 | 1 | DC7548B | POPPET |
| 11 | 1 | SF331 | SPRING |
| 12 | 1 | P2124 | 5/16-18 x 3/4 HOLLOW SET FL PT |
| 13 | 1 | P2125 | 5/16-18 HYDRA LOK NUT |
| 14 | 1 | P1641 | DELRIN SEAT |
| 15 | 1 | B5033 | 3/8 BALL BEARING |
| 16 | 1 | HP64 | SPRING |
| 17 | 1 | SF398 | O-RING, 3-905 |
| 18 | 1 | HP22A | CHECK PLUG |
| 19 | 1 | P1924 | CV PLUG |
| 20 | 1 | B5067 | 1/2" BALL |
| 21 | 1 | AP55 | O-RING, 2-113, EPR |
| 22 | 1 | HP3 | RELEASE HAND PUMP |
| 23 | 1 | HP4 | ROLL PIN |
| 24 | 1 | P1711 | POPPET |
| 25 | 1 | P1714 | O-RING, 2-008 |
| 26 | 1 | HP8 | SPRING |
| 27 | 1 | HP9 | SNAP RING |
| 28 | 1 | HP17A | HANDLE GRIP FOR HP10 |
| 29 | 1 | HP11 | HP LINKAGE |
| 30 | 1 | P1765 | LINKAGE |
| 31 | 1 | HP10 | HANDLE |
| 32 | 1 | P1766 | CLEVIS PIN |
| 33 | 3 | SF371 | COTTER PIN |
| 34 | 2 | HP14A | RIVET |
| 35 | 1 | HP13A | RIVET |
| 36 | 1 | HP15A | WASHER |
| 37 | 1 | HP2 | PISTON |
| 38 | 1 | HP19 | BACK-UP, 8-114 |
| 39 | 1 | HP18 | O-RING, 2-114 |
| 40 | 1 | HP21 | BACK-UP, 8-115 |
| 41 | 1 | HP20A | O-RING, 2-115 |
| 42 | 1 | P2203A | PLUG #12 SAE W/O-RING |
| 43 | 1 | P1740 | NAME TAG |



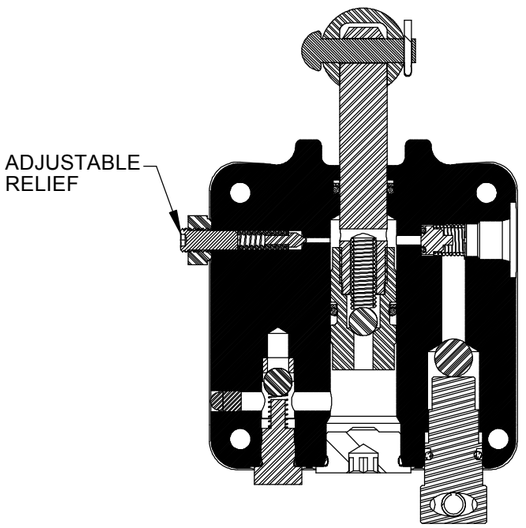



DETAIL A
SCALE 1 : 2

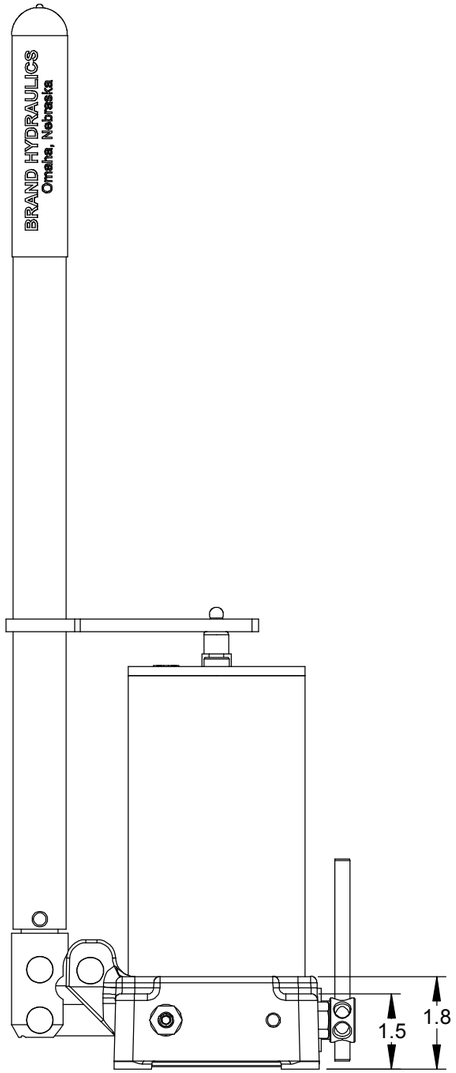
APPLICABLE KITS:
SEAL KIT: HP61-K (SEE DRAWING HP61-K FOR PARTS BREAKDOWN)

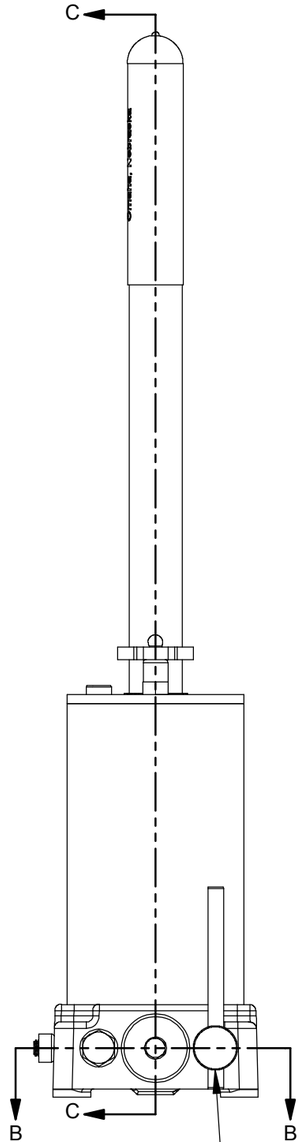
BRAND HYDRAULICS CO., INC
2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105

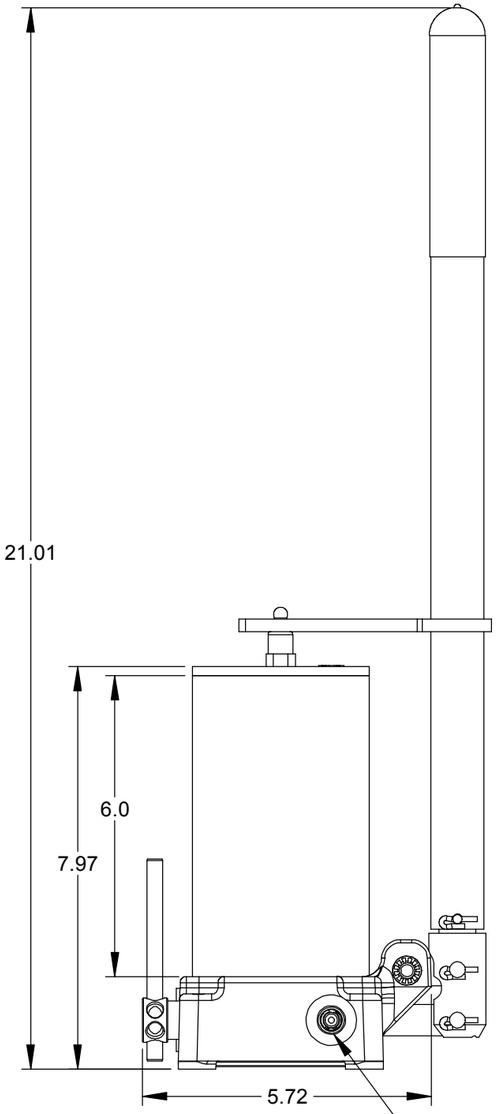
| | | | |
|---|---|---|---|
| TITLE: HANDPUMP, HP61DA<br>6" TANK, DISPLACMENT 0.60 IN^3, RELIEF | | | MATERIAL: - |
| STANDARD TOLERANCE UNLESS NOTED:<br>0.00 ± 0.010 (0.015 GCI)<br>0.000 ± 0.005 (0.010 GCI)<br>◎ = .005 TIR<br>FRACTION ± 1/32<br>ANGLE ± 2°<br>DIMENSIONS ARE IN INCHES | P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS<br>FINISHING SPECIFICATIONS:<br>HEAT TREAT: -±2RC X - ⩛<br>GRIND: -<br>PLATE: - | DRAWN BY: R. BATT<br>DATE: 11/05/2012<br>APRV'D BY:<br>APRV'D DATE:<br>SCALE: 1:4<br>FORMAT - B | PART NO: HP61DA50 |

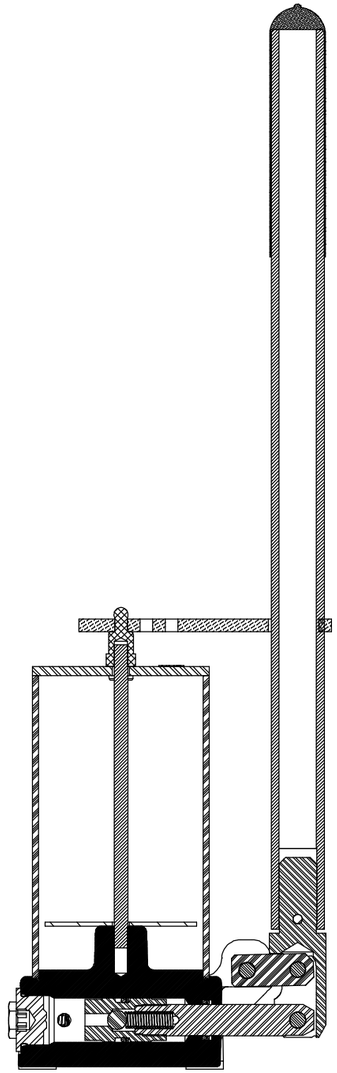



SECTION B-B
SCALE 1 : 2

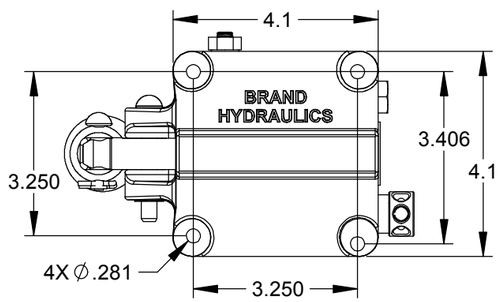


SECTION C-C




| | | | |
|---|---|---|---|
| BRAND HYDRAULICS CO., INC<br>2332 SOUTH 25TH STREET, OMAHA NEBRASKA 68105 | | | |
| TITLE: HANDPUMP, HP61DA<br>6" TANK, DISPLACMENT 0.60 IN^3, RELIEF | | | MATERIAL: - |
| STANDARD TOLERANCE UNLESS NOTED:<br>0.00 ± 0.010 (0.015 GCI)<br>0.000 ± 0.005 (0.010 GCI)<br>⌖ = .005 TIR<br>FRACTION ± 1/32<br>ANGLE ± 2°<br>DIMENSIONS ARE IN INCHES | P/N ENDING IN "UF" HAVE NOT RECEIVED FINISH OPERATIONS<br>FINISHING SPECIFICATIONS:<br>HEAT TREAT: -±2RC X - ⩛<br>GRIND: -<br>PLATE: - | DRAWN BY: R. BATT<br>DATE: 11/05/2012<br>APRV'D BY:<br>APRV'D DATE:<br>SCALE: 1:3<br>FORMAT - B | PART NO: HP61DA50 |