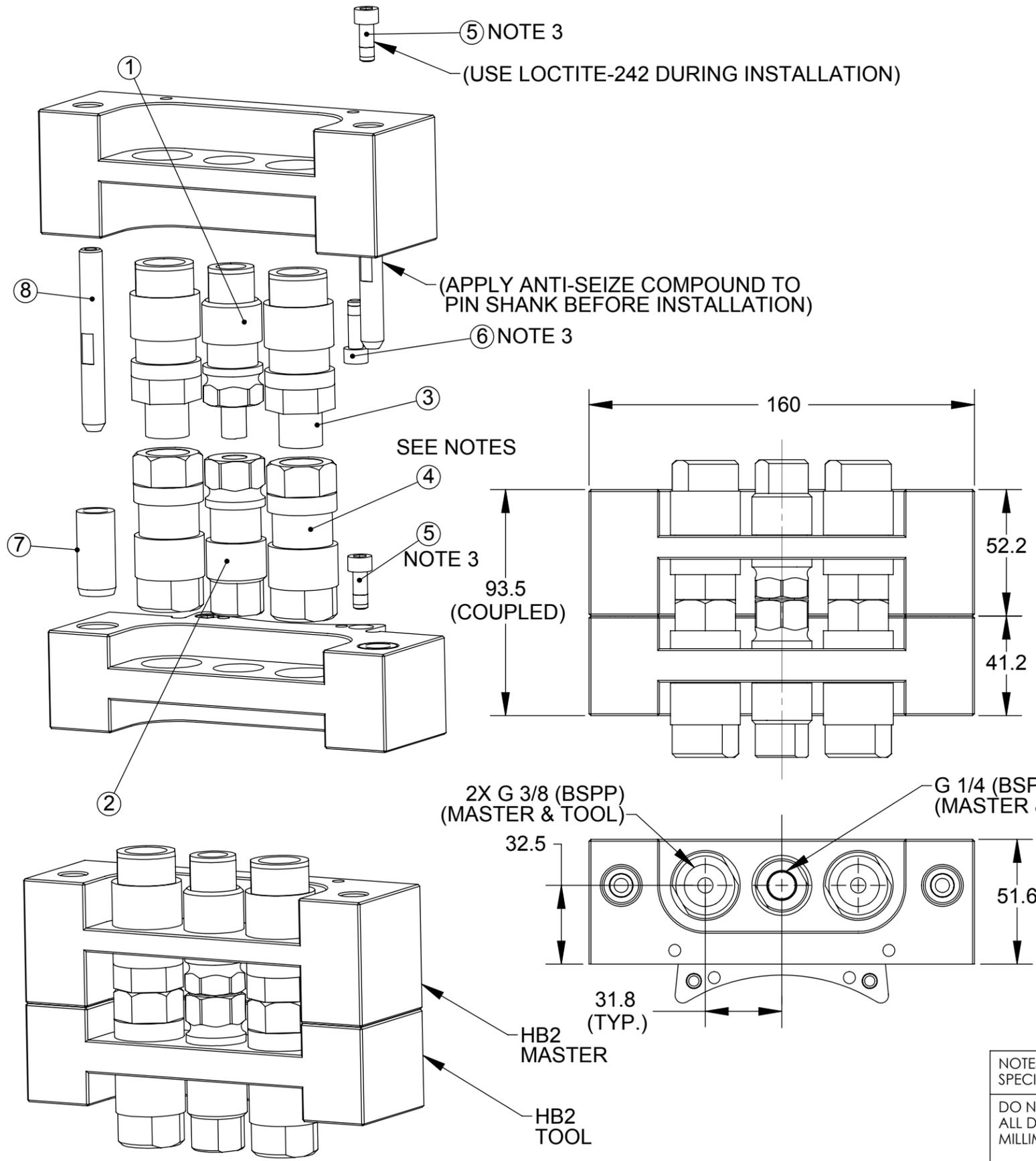


| Rev. | Description | Initiator | Date |
|------|---|-----------|-----------|
| 03 | ECO 13405; Removed 9005-20-1198 & 9005-20-1199 Clear assemblies representations from drawing; Updated Port callouts were 1/4 BSPP & 3/8 BSPP Ports; Updated notes section; Added Note 3 to two balloons. | TBC | 5/26/2015 |



| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION |
|----------|------|------------------|--|
| 1 | 1 | 3405-1220009-01 | QD Plug, G1/4, 2300 PSI, Viton Seals |
| 2 | 1 | 3405-1220010-01 | QD Socket, G1/4, 2300 PSI, Viton Seals |
| 3 | 2 | 3405-1220011-01 | QD Plug, G3/8, 2300 PSI, Viton Seals |
| 4 | 2 | 3405-1220012-01 | QD Socket, G3/8, 2300 PSI, Viton Seals |
| 5 | 4 | 3500-1066016-15A | M6 x 16mm SHCS Blue Dyed Magni ND Microspheres |
| 6 | 2 | 3500-1066020-15A | M6 x 20mm SHCS Blue Dyed Magni ND Microspheres |
| 7 | 2 | 3690-6013801-11 | 25/64" BUSHING - McMaster8491A379 |
| 8 | 2 | 3700-20-4517 | Hydraulic Module Alignment Pin |

- NOTES:
- 1) Couplers separate into front and rear halves for installation in the carriers/housings.
 - 2) After installation, torque the coupler halves as follows:
1/4" NPT Couplers = 30 ft-lb
3/8" NPT Couplers = 44 ft-lb
NO LOCTITE
 - 3) Tighten all M6 SHCS to 90 in-lb.

HB2 Module Specifications

| | |
|--|--|
| Hydraulic Ports, (qty) Size (C _v) | (2) G 3/8 (BSPP) (1.23) |
| Maximum pressure of 2300 psi (158 bar), Self-sealing on Master and Tool | (1) G 1/4 (BSPP) (0.46) |
| Static Separation Force (total spring force for 3 couplers) | 75 lb [330 N] |
| Hydraulic Separation Force (per pressurized line) | G 1/4 (BSPP) force (lb _f) = 0.13 x PSI (N) = 8.387 x bar |
| | G 3/8 (BSPP) force (lb _f) = 0.24 x PSI (N) = 15.484 x bar |

NOTES: UNLESS OTHERWISE SPECIFIED.
DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



1031 Goodworth Drive, Apex, NC 27539, USA
Tel: +1.919.772.0115 Email: info@ati-ia.com
Fax: +1.919.772.8259 www.ati-ia.com
ISO 9001 Registered Company

PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

| | | | |
|-----------------------------|-----------------------|------------------------------------|-------------|
| DRAWN BY: D.Lawson-5/25/05 | | TITLE | |
| CHECKED BY: J.Snape-5/26/05 | | HB2 HYDRAULIC MODULE SERVICE PARTS | |
| PROJECT # | 050523-1 SHEET 1 OF 1 | SCALE | 1:2 |
| | | SIZE | B |
| | | DRAWING NUMBER | 9630-20-HB2 |
| | | REVISION | 03 |

