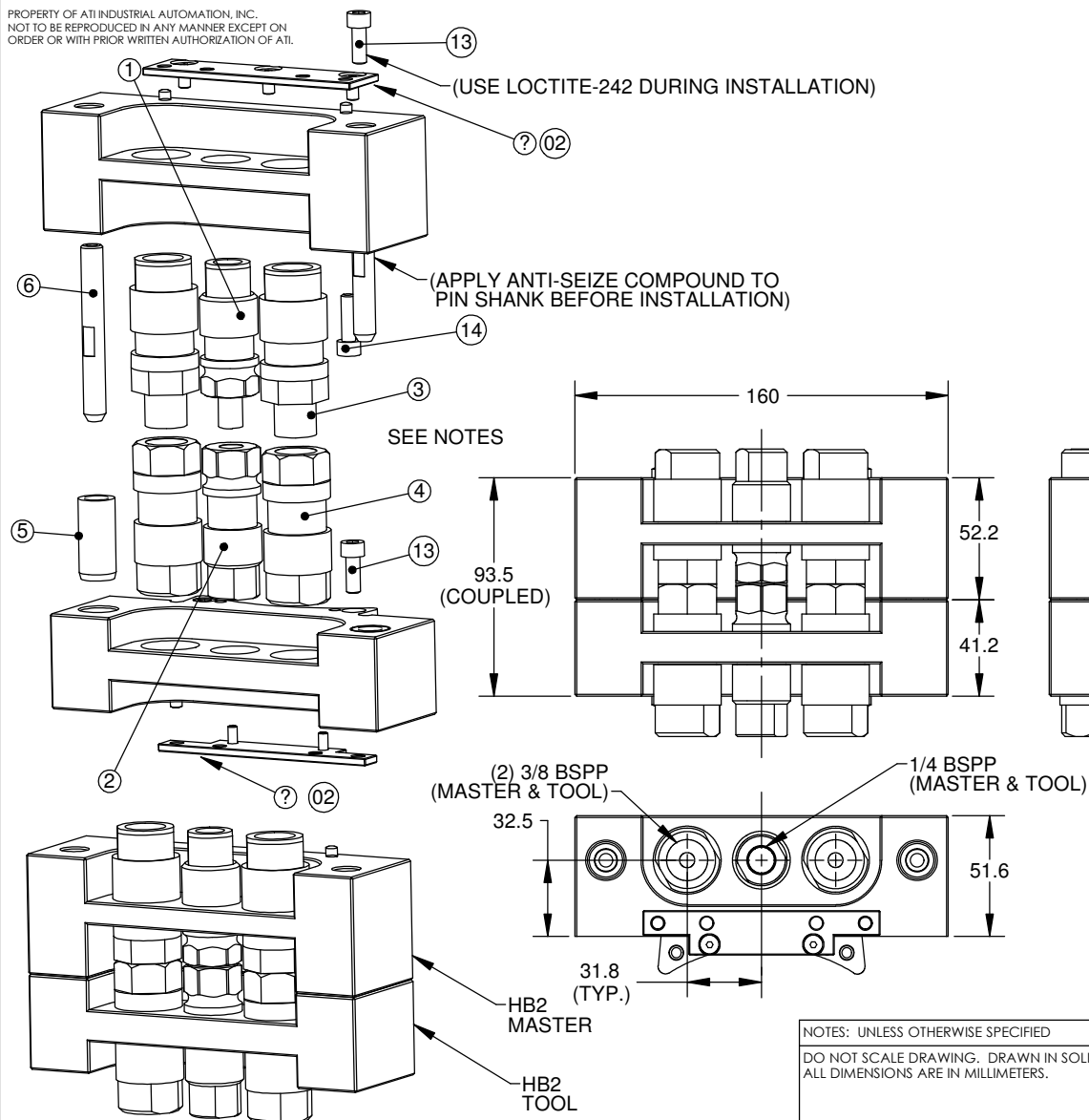


Rev.	Description	Initiator	Date
02	ECO 4398: Added cleat sub-assemblies.	KLP	1/3/2006



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	3405-1220009-01	Coupler, Plug, 2300PSI, G1/4
2	1	3405-1220010-01	Coupler, Socket, 2300PSI, G1/4
3	2	3405-1220011-01	COUPLER, PLUG, 3/8 BSPP
4	2	3405-1220012-01	COUPLER, SOCKET, 3/8 BSPP
5	2	3690-6013801-11	25/64" BUSHING - McMaster8491A379
6	2	3700-20-4517	Hydraulic Module Alignment Pin
7	1	9005-20-1198	Master Cleat Sub-Assembly
8	1	9005-20-1199	Tool Cleat Sub-Assembly
13	4	3500-1066016-15A	M6 x 16mm SHCS MB ND Microspheres
14	2	3500-1066020-15A	M6 x 20mm SHCS MB ND Microspheres
15	3	3500-1263010-15A	M5 x 10mm SFHCS MB w/Microspheres
16	2	3500-1262010-15A	M4 x 10mm SFHCS MB w/Microspheres

HB2 Module Specifications

Hydraulic Ports, (qty) Size (C_v) (2) 3/8 BSPP (1.23)
Maximum pressure of 2300 psi (158 bar), (1) 1/4 BSPP (0.46)
Self-sealing on Master and Tool

Static Separation Force 75 lb [330 N]
(total spring force for 3 couplers)

Hydraulic Separation Force (per pressurized line) 1/4 BSPP force (lb_f) = 0.13 x PSI
(N) = 8.387 x bar

3/8 BSPP force (lb_f) = 0.24 x PSI
(N) = 15.484 x bar

NOTES:
1) COUPLERS SEPARATE INTO FRONT AND REAR HALVES
FOR INSTALLATION IN THE CARRIERS/HOUSINGS.

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



3rd ANGLE PROJECTION



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DRAWN BY: D.Lawson-5/25/05	TITLE	HB2 HYDRAULIC MODULE SERVICE PARTS	
CHECKED BY: J.Snape-5/26/05	SCALE	1:2	DRAWING NUMBER
WEIGHT LBS: 6.2 lbs	SIZE	B	9630-20-HB2-02
ASSEMBLY REF:	PRODUCT RELEASE # 050523-1	DATE: 8/24/05	SHEET 1 OF 1