

ITEM NO	QTY.	PART NUMBER	DESCRIPTION	
1	2	3410-0001016-01	O-ring 1/16 x 1/8 I.D. x 1/4 O.D.	
2	12	3410-0001106-01	O-RING, AS568-010	
3	2	3410-0001119-01	O-ring 3/8x1/2x1/16	
4	3	3410-0001159-01	O-RING 171mm ID x 3mm CS BUNA	
5	3	3410-0001160-01	O-RING P135 134.6mm ID x 5.7mm CS BUNA	
6	3	3410-0001299-01	O-Ring, JISA-P30, (29.7mm x 3.5mm), Nitrile, 90A Duro	
7	3	3500-0868040-11	M8 x 40 HHCS, Black Oxide	
8	12	3500-1058008-15A	M3-0.5 x 8mm SHCS, Blue, Pre-Applied	
9	16	3500-1058010-15A	M3-0.5 x 10mm SHCS, Blue, Pre-Applied	
10	3	3500-1062008-15A	M4-0.7 x 8mm SHCS, Blue, Pre-Applied	
11	4	3500-1062012-15A	M4-0.7 x 12mm SHCS, Blue, Pre-Applied	
12	6	3500-1072025-15A	M12-1.75 x 25mm SHCS, Blue, Pre-Applied	
13	3	3500-1072035-15A	M12-1.75 x 35mm SHCS, Blue, Pre-Applied	
14	2	3500-1168010-21	SBHCS, M8x10, SS	
15	16	3500-1258008-11	M3 x 8mm SFHCS Black Oxide	
16	36	3700-20-3454	25mm DIA. BALL	
17	16	3700-20-4092	Large Cable Retaining Tab	
18	3	3700-20-4182	MALE COUPLING, QC-510	
19	3	3700-20-4707	Cam, Back Angle, QC-500/510	
20	3	3700-20-6025	Alignment Pin, 1-1/8" Dia., Stepped	
Neter				

54 fl-lb (12)

SPECIFIED.

3rd ANGLE PROJECTION

XHP-222 Special (Conical Surfaces)

54 fl-lb (13)

Notes:

Tool changers ending with the suffix "SP" have NPN Sensors.

Loctite-242 / 60 in-lb During Installation.
Lubricant XHP-222 Special After Installation.
No threadlocker. Insert the bolts into the pockets on the back of the tool changer.
No threadlocker on sensor. Set sensor flush with top side of tool changer.
Turn sensor nut 1/4 turn after first contact with tool changer body.

Subassembly Components Item	Description	Part Number
Α	Plenum Bar Assembly, QC-1510	9005-20-2001
В	PNP Lock/Unlock Daisy-Chain Junction Box Assembly, QC-1510 NPN Lock/Unlock Daisy-Chain Junction Box Assembly, QC-1510	9000-20-1312 9000-20-1313
С	PNP Lock/Unlock Sensor Assembly, QC-110 NPN Lock/Unlock Sensor Assembly, QC-110	9005-20-1917 9005-20-1918
D	PNP Proximity Switch, 2mm Range, Quick Disconect NPN Proximity Switch, 2mm Range, Quick Disconect	8590-9909999-34 8590-9909999-120
Е	QC-510/1510 Piston Subassembly	9005-20-2059

The subassemblies are supplied with the components shown within the outlined regions.

QC-1510 Master Components (11) 25 in-lb Loctite-242/25 in-lb (14) (10) 25 in-lb (7) Note 2 Note 1 (20) (9) 12 in-lb Note 3 (5) MagnaLube (32) MagnaLube 12 in-lb MagnaLube └MagnaLube Bores XHP-222 Special (4) MagnaLube XHP-222 Special (Bore & Ball Tracks) NOTES: UNLESS OTHERWISE 1031 Goodworth Drive, Apex, NC 27539, USA Tel: +1.919.772.0115 Email: info@ati-ia.com INDUSTRIAL AUTOMATION DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS. 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-10/3/12 QC-1510 Base Tool Changer CHECKED BY: M.Gloden-10/4/12

DRAWING NUMBER

9630-20-1510

SCALE

1:5

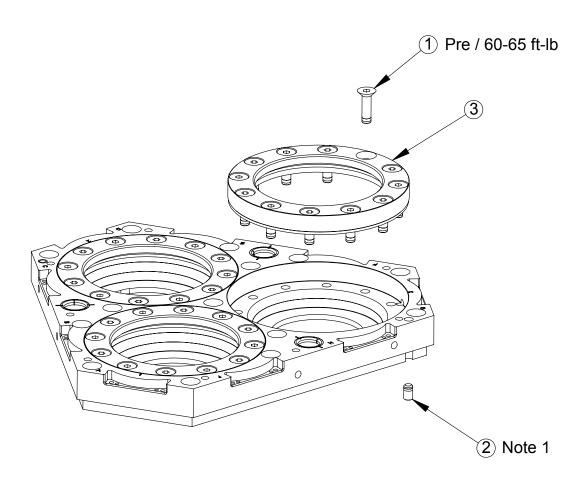
В

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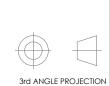
QC-1510 Tool Components



ITEM NO.	PART NUMBER	DESCRIPTION
1	3500-1272045-15A	M12-1.75 x 45mm SFHCS, Blue, Pre-applied
2	3500-1972020-22A	M12 x 20mm Set Screw Flat Point SST - Pre-Applied
3	3700-20-3453	BEARING RACE, QC-500

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAW!!
ALL DIMENSIONS ARE IN
MILLIMETERS.



VING. IN	INDUS	TRIAL NATION
	DRAWALDY: D Lawcon 10/3/12	TITLE

DRAWN BY:	D.Lawson-10/3/12	TIT
CHECKED BY:	M.Gloden-10/4/12	

QC-1510 Base Tool Changer SCALE REVISION

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DRAWING NUMBER 9630-20-1510

Notes:
1. Install the set screws with their flat face flush with top side of the tool changer.