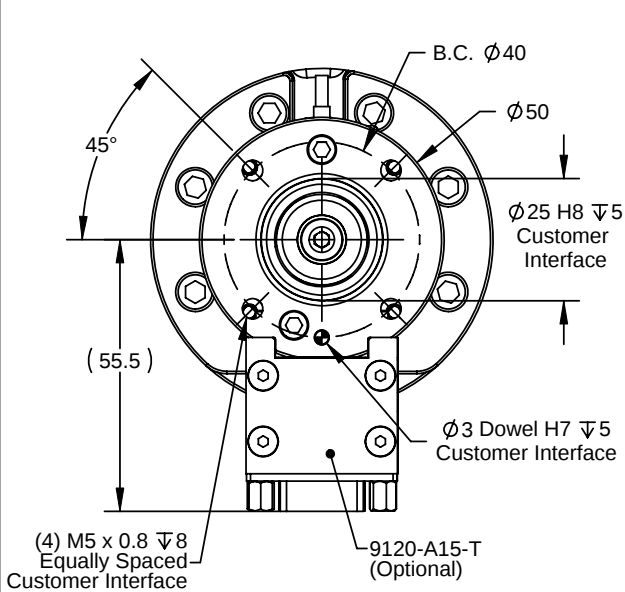
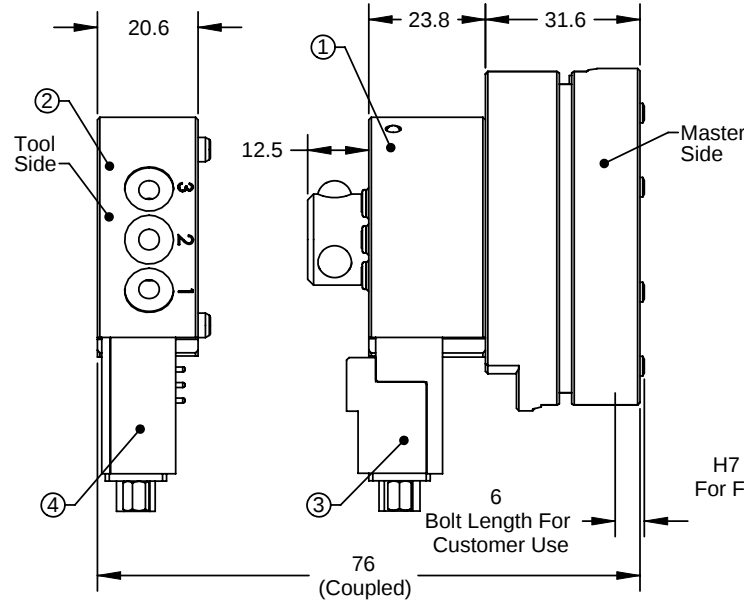


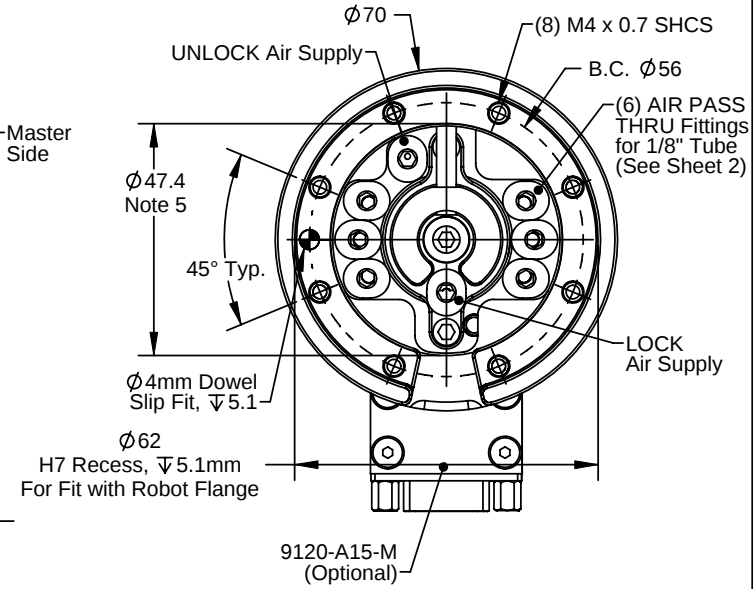
Rev.	Description	Initiator	Date
01	Initial Drawing	KRZ	03/22/10



TOOL SIDE

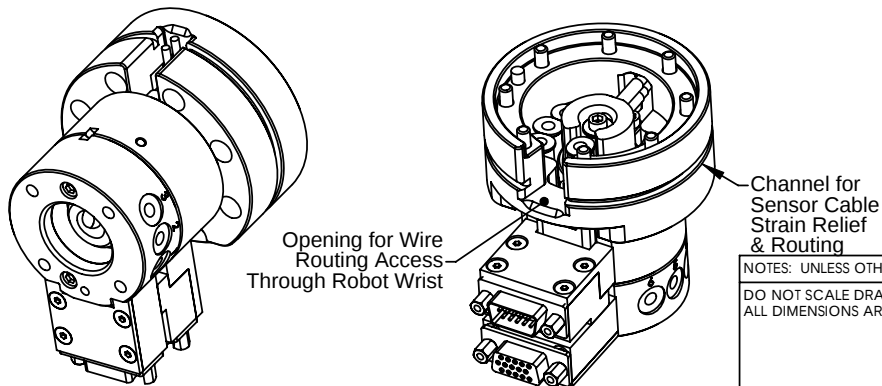


SIDE VIEW



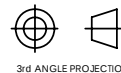
MASTER SIDE

- NOTES:
- Design is Subject to Change.
 - Mounting Hardware Included on Master Side
 - Drawing shows a proposed master side assembly for direct mount to Fanuc M10ia and M20ia Hollow Wrist Robots.
 - Tool Side QC-11 is standard product.
 - Dimension Indicates the perimeter for pneumatic fittings. Components will clear the 50mm hollow wrist dimension.



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	9120-011HM-000-000-SQ-1667	QC-11 Hollow Wrist Mount Base Assembly, with PNP 3 Wire Sensors & 1667 IP
2	1	9120-011T-000-000	QC 11 Tool Arrangement
3	1	9120-A15-M	A15 -M Master Module
4	1	9120-A15-T	A15-T Tool Module

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



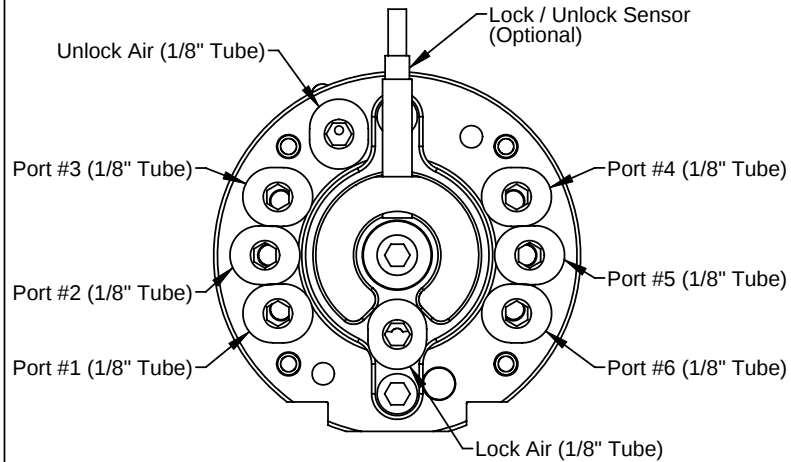
1031 Goodworth Drive, Apex, NC 27539, USA
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Fax: +1.919.772.8259 www.ati-ia.com
ISO 9001 Registered Company

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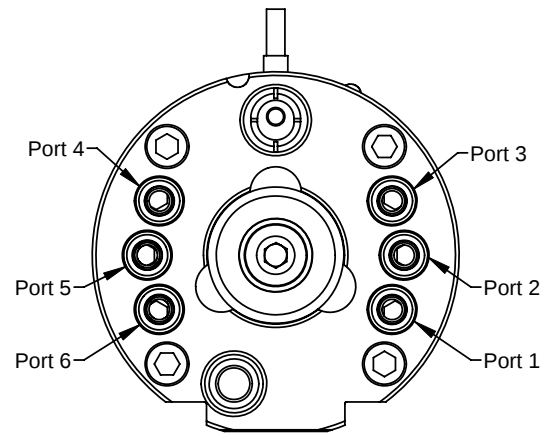
DRAWN BY: K. Zachary 03/22/10	TITLE: QC-11 Hollow Wrist Mount, with A15 Module	SCALE: 1:1	SIZE: B	DRAWING NUMBER: 9230-20-3171	REVISION: 01
CHECKED BY: D. Norton 03/29/10					
WEIGHT LBS: 0.91					
ASSEMBLY REF:					
	PRODUCT RELEASE # 100120-1	DATE:		SHEET 1 OF 2	

Rev.	Description	Initiator	Date
-	See Sheet1	-	-

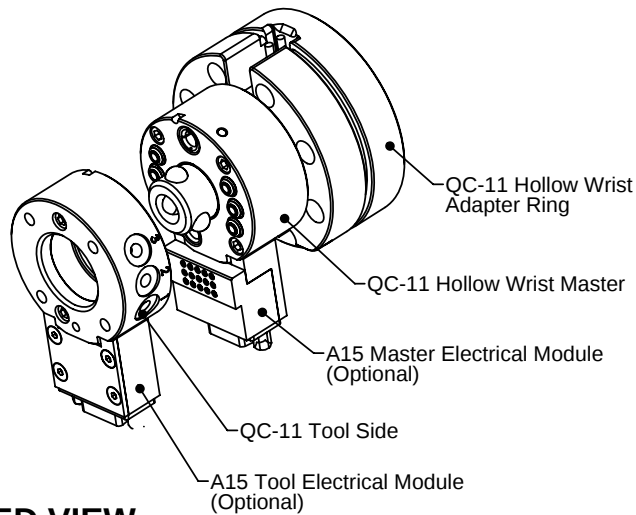
Robot Mounting Side



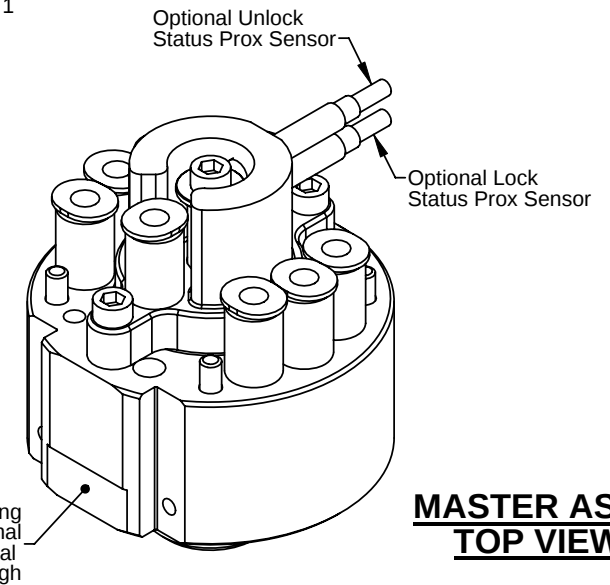
Master-Tool Coupling Side



AIR LINE CONNECTION DIAGRAM

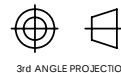


EXPLODED VIEW



MASTER ASSY TOP VIEW

NOTES: UNLESS OTHERWISE SPECIFIED
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3rd ANGLE PROJECTION



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DRAWN BY: K. Zachary 03/22/10	TITLE: QC-11 Hollow Wrist Mount, with A15 Module			REVISION: 01
CHECKED BY: D. Norton 03/29/10	SCALE: 1:1	SIZE: B	DRAWING NUMBER: 9230-20-3171	
WEIGHT LBS: 0.91	PRODUCT RELEASE # 100120-1 DATE: SHEET 2 OF 2			
ASSEMBLY REF:				