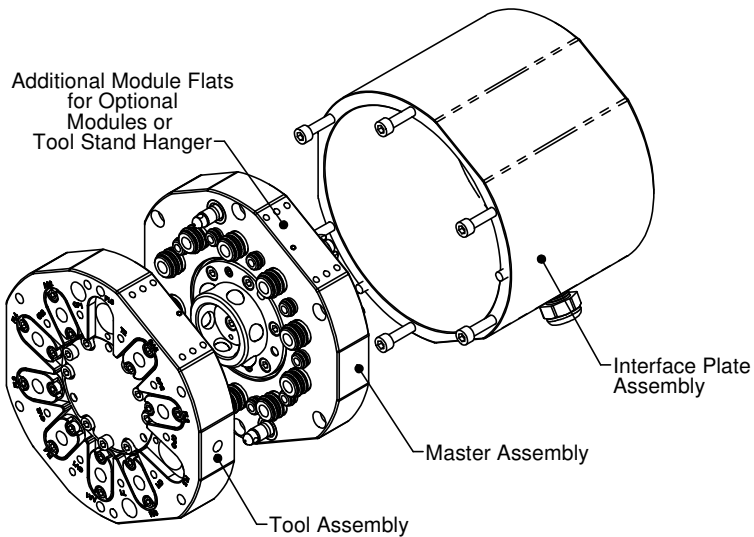
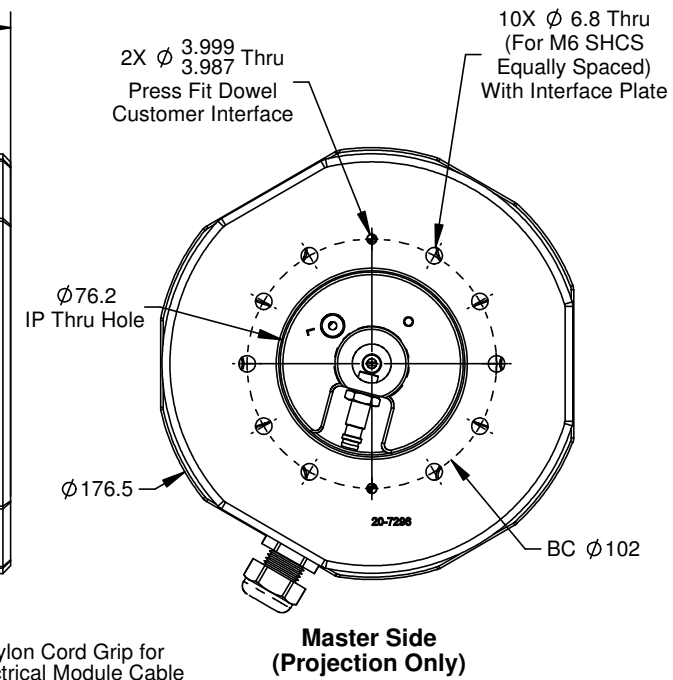
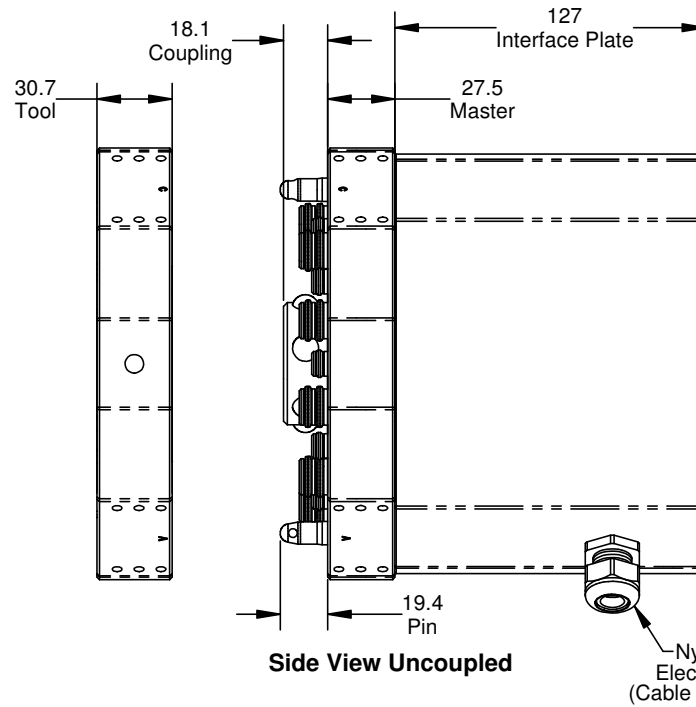
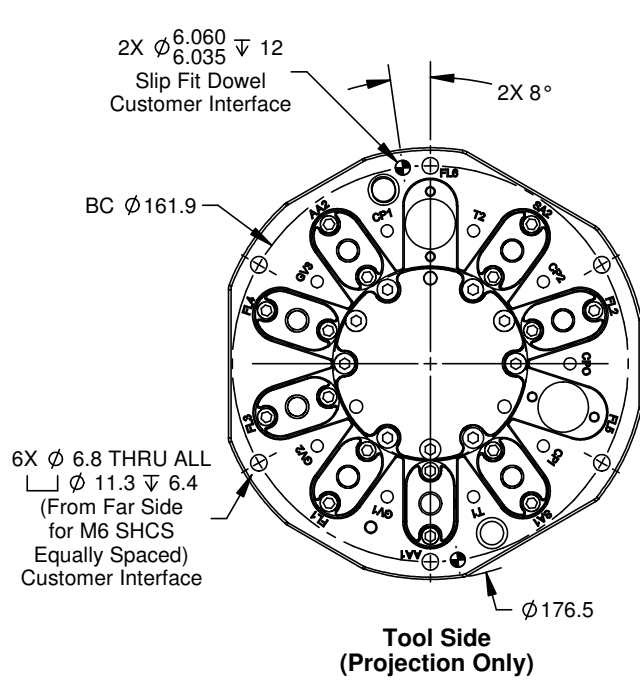


Rev.	Description	Initiator	Date
03	Updated robot interface dowel and thru holes	KRZ	04/11/12



Notes:

- Design is subject to change.
- Tool Changer utilizes a QC-40 locking mechanism.
- Utility connection information on the following sheets. Fittings, Cables, and Mounting Hardware not supplied by ATI.
- Materials of Construction on following sheets.
- Estimated Weight Coupled (NOT including electrical module, hoses, and cables) = 7.1kg

NOTES: UNLESS OTHERWISE
SPECIFIED.

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3rd ANGLE PROJECTION



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MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: K. Zachary 01/17/12	TITLE
CHECKED BY: D. Norton 01/24/12	QC-45Z1 Tool Changer Drawing
PROJECT # 110719-2 SHEET 1 OF 5	SCALE 1:3
	SIZE B
	DRAWING NUMBER 9630-20-045Z1
	REVISION 03

Master (Robot) Side

Part Number: 9120-045Z1M-000-000-000-SV-7296

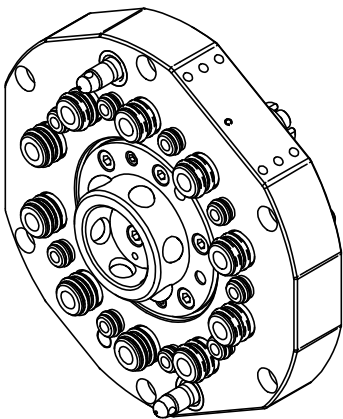
Locking Mechanism:
SS with TDC Coating
Carbide Locking Balls
Buna N Internal Seals
Mobil XHP222 Special Grease

10X Fluid Pass Through Port
316 Stainless Steel Sleeve
with 2X Kalrez O-Ring
9/16-18 Customer
Specified Connection

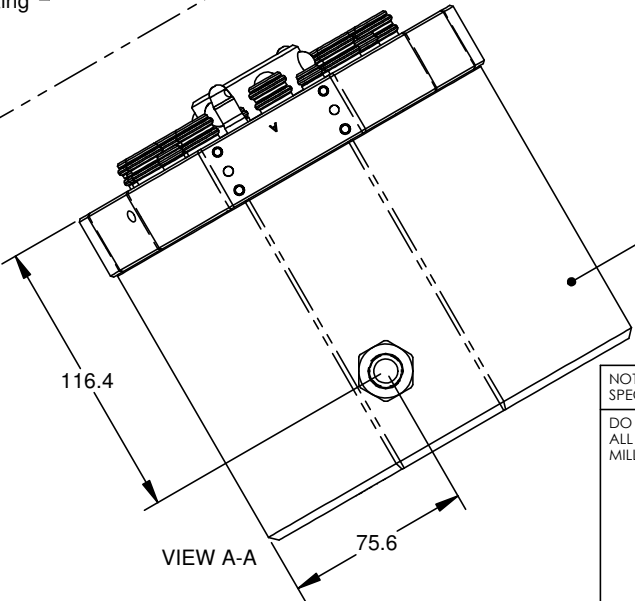
9X Air Pass-Through Port
303 Stainless Steel Nipple
with Kalrez O-Ring
G1/8 Connection

Tool Changer Mating Side

Alignment Pins and Bushings
Tool Steel with TDC Coating

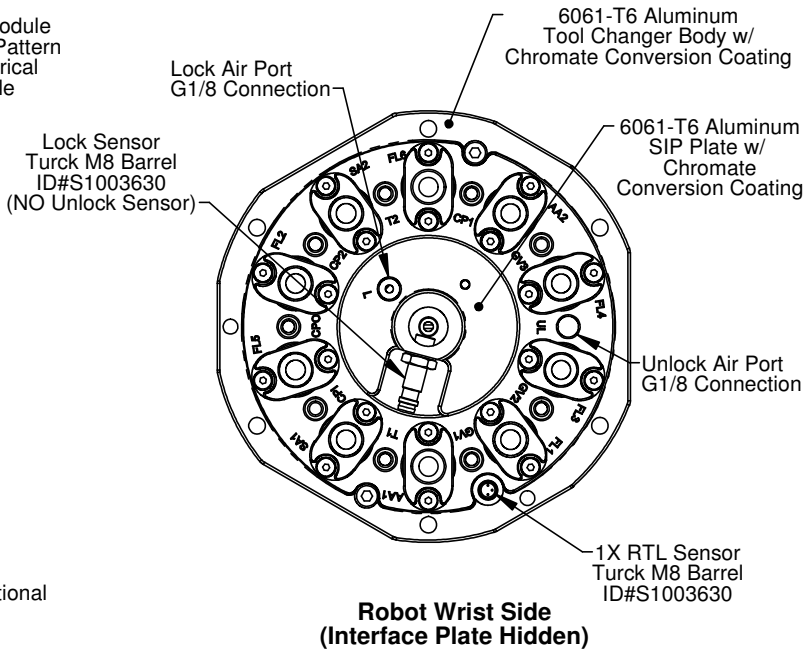
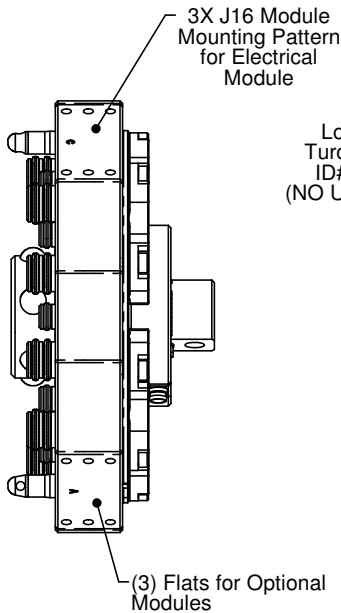


A



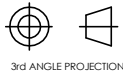
VIEW A-A

9120-045Z1M-IP-7296



Robot Wrist Side
(Interface Plate Hidden)

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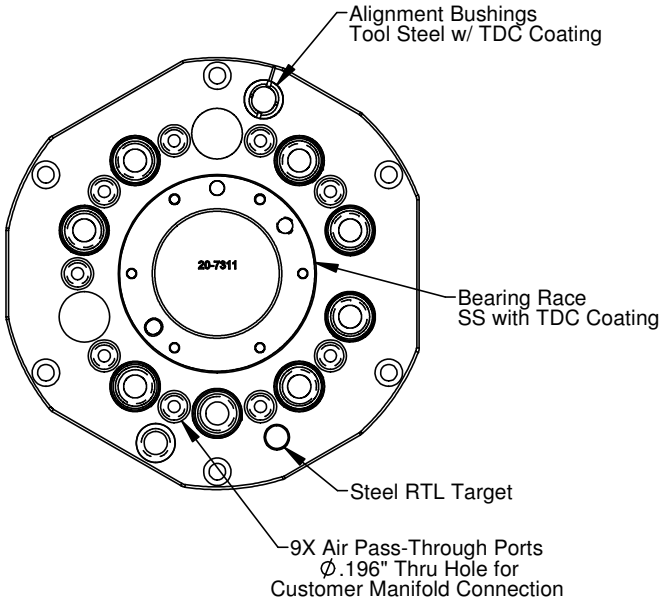
DRAWN BY: K. Zachary 01/17/12		TITLE	
CHECKED BY: D. Norton 01/24/12		QC-45Z1 Tool Changer Drawing	
SCALE	SIZE	DRAWING NUMBER	REVISION
1:3	B	9630-20-045Z1	03

PROJECT # 110719-2 SHEET 2 OF 5

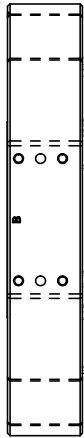
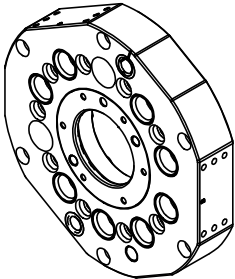
Tool Sides

Part Number	Tool Name	# Fluid Pass Thru	Fluid Ports Populated	# Air Pass Thru
9120-045Z1AT-000-000-000	Registration	0	None	9
9120-045Z1BT-000-000-000	Wash	5	FL5, AA1, AA2, SA1, SA2	9
9120-045Z1CT-000-000-000	Abrade	4	AA1, AA2, SA1, SA2	9
9120-045Z1DT-000-000-000	INSPAR	8	FL1, FL2, FL3, FL4, AA1, AA2, SA1, SA2	9
9120-045Z1ET-000-000-000	SPAR	6	FL1, FL3, AA1, AA2, SA1, SA2	9
9120-045Z1FT-000-000-000	CIC	5	FL6, AA1, AA2, SA1, SA2	9
9120-045Z1GT-000-000-000	Black Line	5	FL1, AA1, AA2, SA1, SA2	9

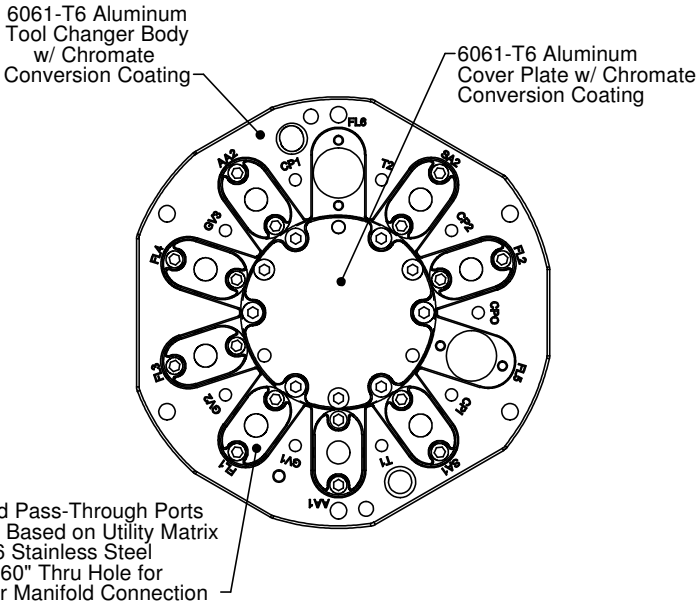
**Refer to Project Specification for Utility Matrix



Tool Changer Mating Side



Rev.	Description	Initiator	Date
-	See Sheet1	-	-



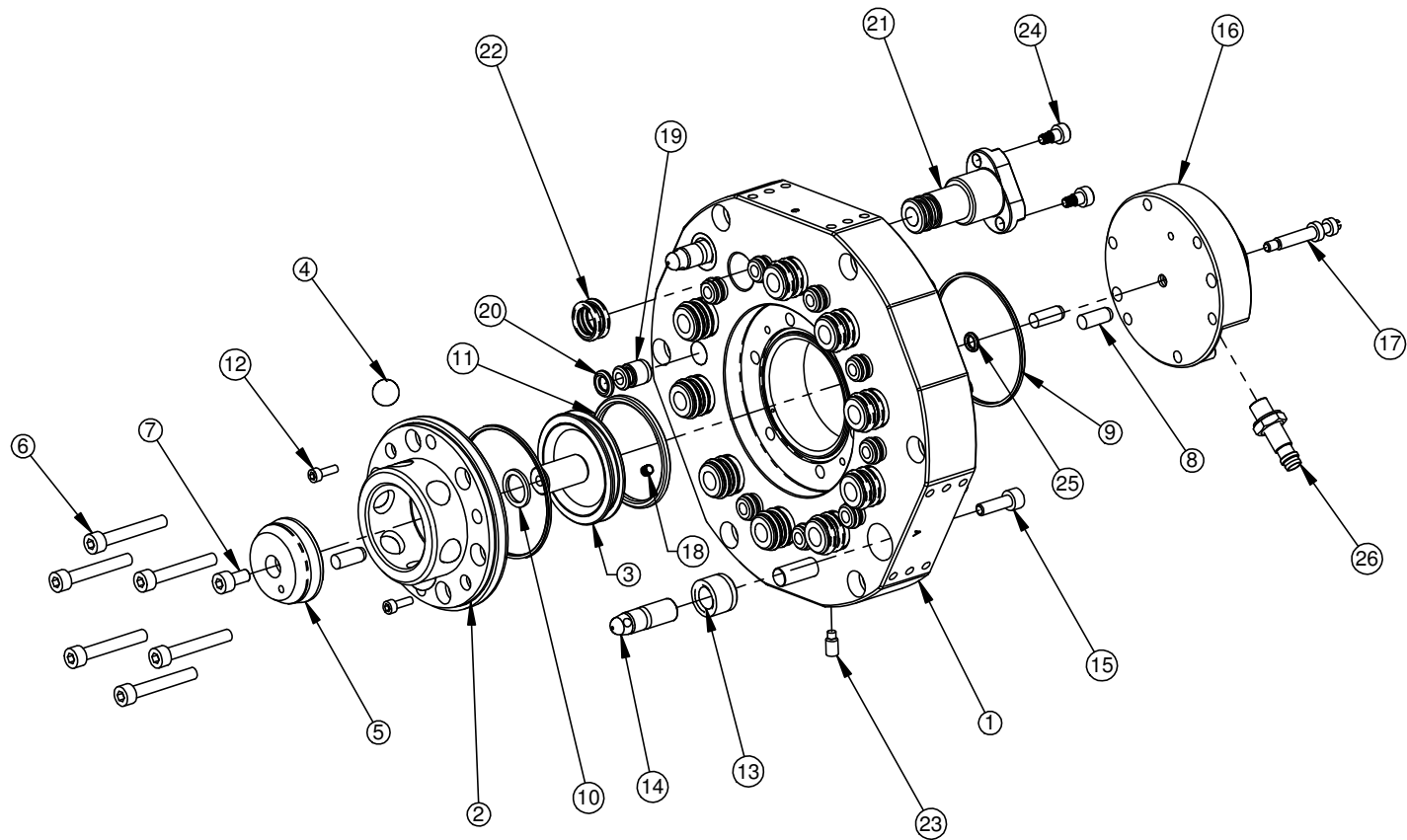
Tool Interface Side

Notes:
1. This sheet shows general Tool Side layout (9120-045Z1DT-000-000-000 shown for reference). Refer to table above for specifics populated ports on each Tool.

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DRAWN BY: K. Zachary 01/17/12		CHECKED BY: D. Norton 01/24/12		TITLE QC-45Z1 Tool Changer Drawing	
PROJECT # 110719-2 SHEET 3 OF 5		SCALE 1:5	SIZE B	DRAWING NUMBER 9630-20-045Z1	REVISION 03

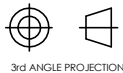
Master Side Exploded View

Rev.	Description	Initiator	Date
-	See Sheet1	-	-



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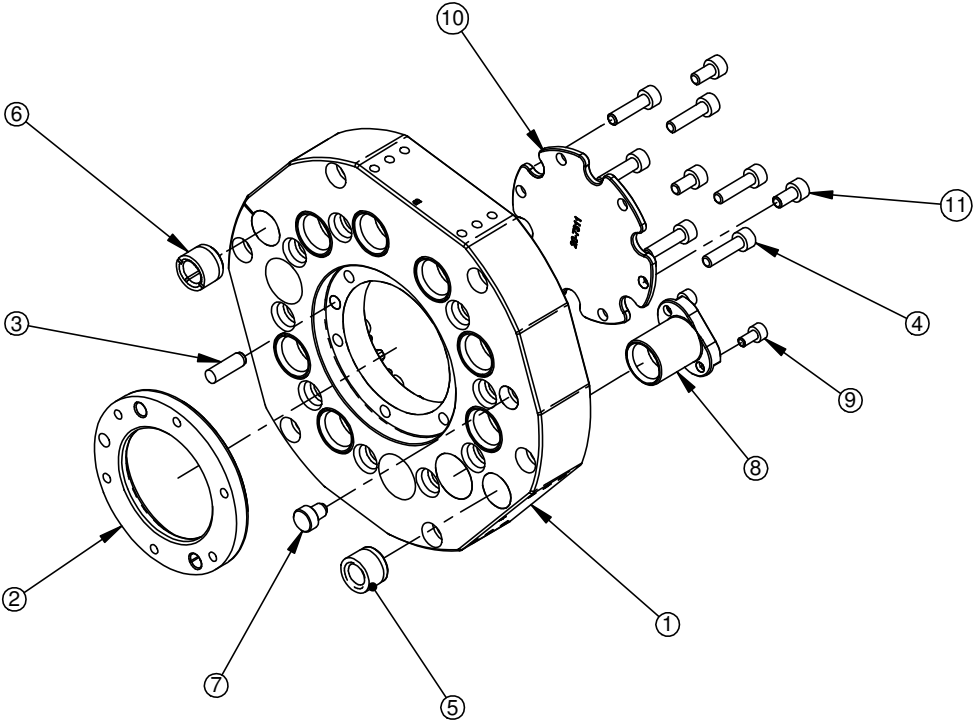
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DRAWN BY: K. Zachary 01/17/12		TITLE	
CHECKED BY: D. Norton 01/24/12		QC-45Z1 Tool Changer Drawing	
PROJECT # 110719-2 SHEET 4 OF 5	SCALE 1:2	SIZE B	DRAWING NUMBER 9630-20-045Z1
			REVISION 03

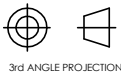
Tool Side Exploded View

Rev.	Description	Initiator	Date
-	See Sheet1	-	-



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CHECKED BY: D. Norton 01/24/12	QC-45Z1 Tool Changer Drawing		
PROJECT # 110719-2 SHEET 5 OF 5	SCALE 1:5	SIZE B	DRAWING NUMBER 9630-20-045Z1
			REVISION 03