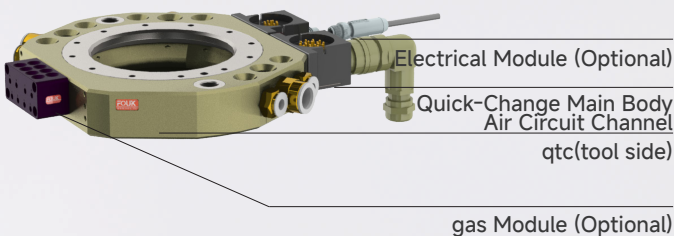
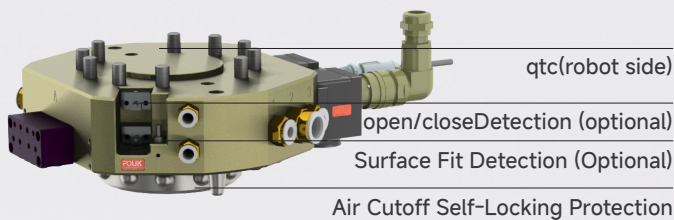




QTC

Robot Tool Changer

It enables the switching of multiple tools and supports a wide range of applications, from small loads to high torque-bearing capacities.



Lightweight and Miniaturized

The overall miniaturized design ensures small size and light weight while guaranteeing product reliability and load capacity

High Protection Level

During operation, the protection level of the module and the quickchange plate main body can reach IP67, which can effectively prevent liquid splashing.

Modular Design

Multiple functional modules (electrical, pneumatic, hydraulic) are provided to meet customers' diverse functional needs.



Locking force
2500-31000N



weight of end of arms
25-300kg



product weight
0.4-6.4kg



model
数量: 6

QTC Tool Changer Unit Series
FOUK-QTC

It enables second-level switching of end effectors (grippers, welding torches, tools, etc.) through standardized interfaces. This enhances production line flexibility, reduces equipment downtime, and lowers manual intervention costs. The crown pin type is more suitable for industrial environments, and high-performance probes ensure stable docking of the electrical module for over one million times; when matched with Amphenol aviation connectors, it has the advantages of quick plugging and unplugging as well as rapid replacement.



QTC Product Series
Operation Videos

Name	weight(robot-M)/kg	weight(tool-T)/kg	Locking force(0.6Mpa)/N	weight of end of arms/kg	Page
QTC25	0.72	0.4	2500	25	160
QTC50	1.4	0.8	5400	50	162
QTC75	2	0.9	7500	75	164
QTC100	2.4	1.4	12000	100	166
QTC150	4.4	1.9	14200	150	168
QTC300	6.4	2.5	31000	300	170

P: Compressed air pressure [bar]

Gas consumption: volume of gas consumed at normal pressure(0.5MPa)

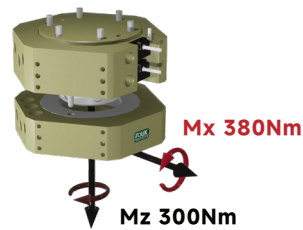
QuickTool Changer Series FOUK-QTC

QTC25



Static Torque

Dynamic Max. Load: 1/3 of Static Max. Load



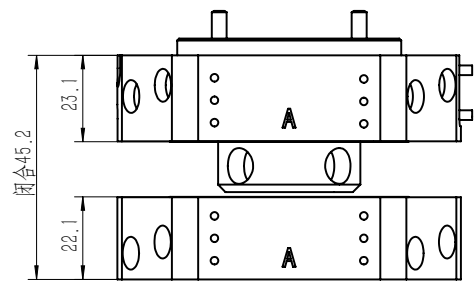
Specifications	Robot-Side Tool Changer		Unit
	QTC25-M	QTC25-T	
Weight	0.72	0.4	kg
Lock/Unlock main connection	M5	Locking Force(0.6MPa)/N	2500
Payload/kg	25	PermittedTemperature /° C	5~60
Repeat Accuracy/mm	0.015	IPRating(When fitting)	67
Working Air Pressure Range/Mpa	0.45~0.80	Numbers and features of pneumatic feed-throughs	8 × G1/8
Mechanical Self-Locking	Standard Configuration	Open/Close Detection	Optional Configuration

Accessories	Prcture	Module Type	Model	Compatible Models	Parameters
Electrical Module		Signal Module	EM-19-SM	QTC25-M (Robot Side)	50V, 3A, 19-pin
			EM-19-ST	QTC25-T (Tool Side)	50V, 3A, 19-pin
		Communication Module	For communication modules,power modules,and other custommodule requirements,please contactour salesteam.		
		Power Module			

Accessories	Prcture	Model	Compatible Models	Parameters
Cable		EM-50V-19-LW4	EM-19-M(Robot Side)	19-pin,Cable length 4m Right-Angle Connector
		ET-50V-19-LW2	EM-19-T(Tool Side)	19-pin,Cable length 2m

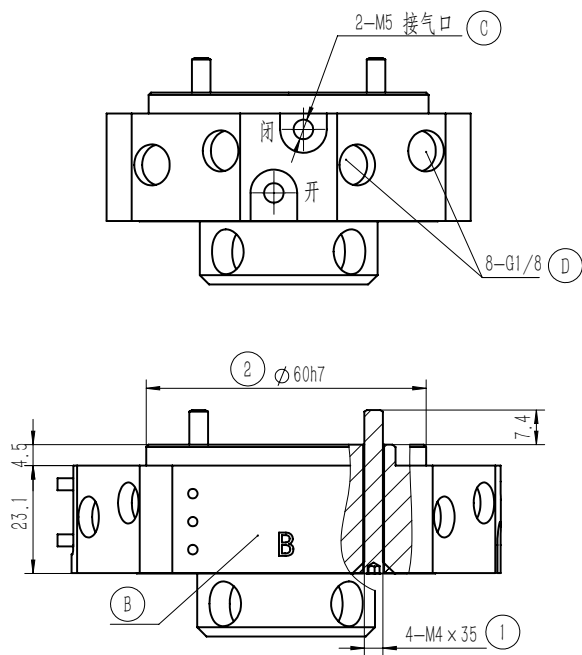
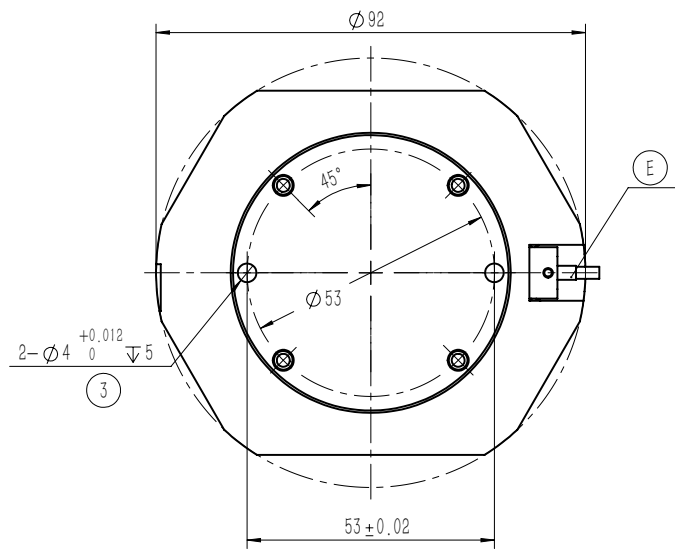
Accessories	Prcture	Model	Function	Parameters	Recommended Quantity
Sensor		HS-S03-P01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,PNP	2
		HS-S03-P01S	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,NPN	

QTC25

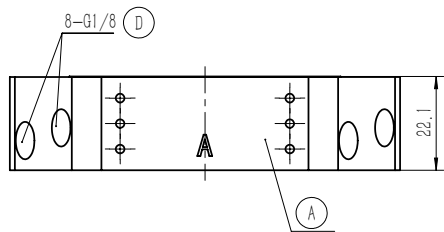
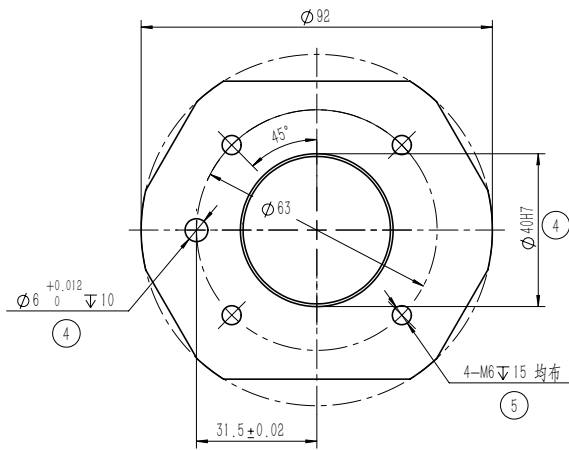


- (A) A-side Module Mounting Surface
- (B) B-side Module Mounting Surface
- (C) Compressed Air Connection
- (D) Pneumatic feed-throughs
- (E) Inductive Proximity Sensor Location
- (1) Hex Socket Counterbore Screw (Standard)
- (2)(3) Robot Side Locating Hole
- (4) Tool Side Locating Hole
- (5) Tool Side Mounting Hole

QTC25-M



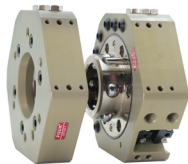
QTC25-T



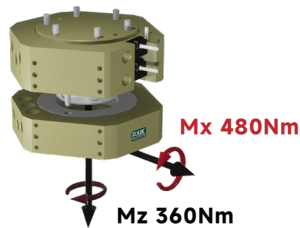
QuickTool Changer Series FOUK-QTC

QTC50

QTC50



Static Torque



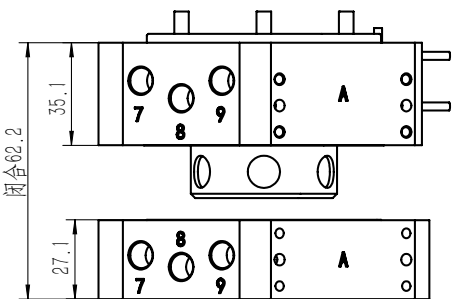
Specifications	QTC50-M	QTC50-T	Unit
	Robot-Side Tool Changer Tool-Side Tool Changer		
Weight	1.4	0.8	kg
Lock/Unlock main connection	G1/8	Locking Force(0.6MPa)/N	5400
Payload/kg	50	Permitted Temperature /° C	5~60
Repeat Accuracy/mm	0.015	IP Rating(When fitting)	67
Working Air Pressure Range/Mpa	0.45~0.80	Numbers and features of pneumatic feed-throughs	9 × G1/8
Mechanical Self-Locking	Standard Configuration	Open/Close Detection	Optional Configuration

Accessories	Prcture	Module Type	Model	Compatible Models	Parameters
Electrical Module		Signal Module	EM-19-M	QTC50-M (Robot Side)	50V, 3A, 19-pin
			EM-19-T	QTC50-T (Tool Side)	50V, 3A, 19-pin
		Communication Module	EM-TR-M	QTC50-M (Robot Side)	60V, 2A, 100Mbit/s
			EM-TR-T	QTC50-T (Tool Side)	60V, 2A, 100Mbit/s
		Power Module	EM-P-M	QTC50-M (Robot Side)	300/500V(AC/DC), 13A, 14-pin
			EM-P-T	QTC50-T (Tool Side)	300/500V(AC/DC), 13A, 14-pin

Accessories	Prcture	Type of medium	No. of fluid feed-throughs	Max. operating pressure	Model	Compatible Models
Air Module		Air, vacuum	8 × M5	0.8Mpa	PF-LM-M5-8	QTC50-M (Robot Side)
					PF-LT-M5-8	QTC50-T (Tool Side)

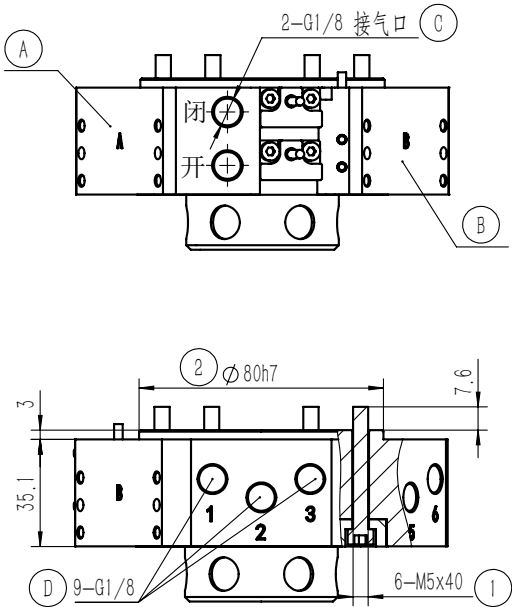
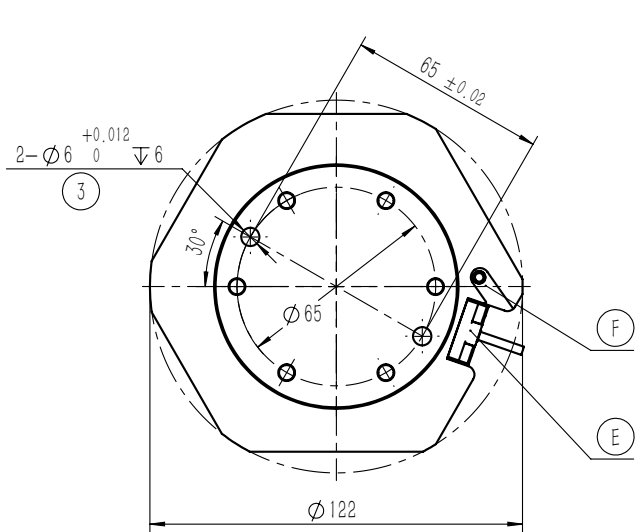
Accessories	Prcture	Model	Compatible Models	Parameters
Cable		EM-50V-19-LW4	EM-19-M(Robot Side)	19-pin,Cable length 4m Right-Angle Connector
		ET-50V-19-LW2	EM-19-T(Tool Side)	19-pin,Cable length 2m

Accessories	Prcture	Model	Function	Parameters	Recommended Quantity
Sensor		HS2-S04-P01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,PNP	3
		HS2-S04-N01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,NPN	

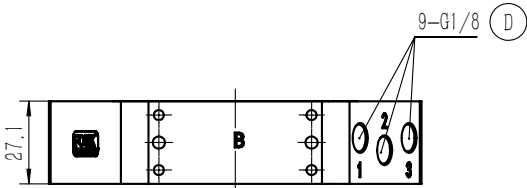
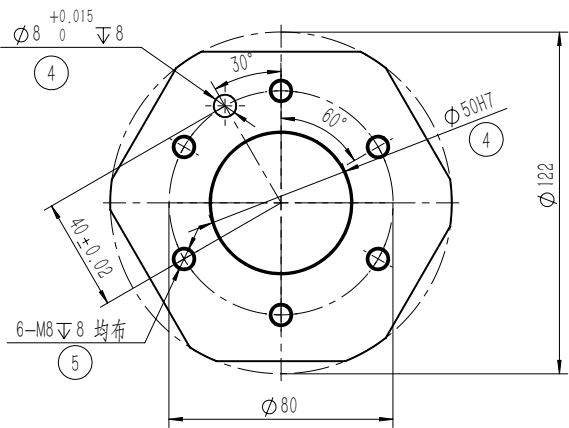


- (A) A-side Module Mounting Surface
- (B) B-side Module Mounting Surface
- (C) Compressed Air Connection
- (D) Pneumatic feed-throughs
- (E) Inductive Proximity Sensor Location
- (F) Quick-change Surface Fitting Detection Position
- (1) Hex Socket Counterbore Screw (Standard)
- (2)(3) Robot Side Locating Hole
- (4) Tool Side Locating Hole
- (5) Tool Side Mounting Hole

QTC50-M



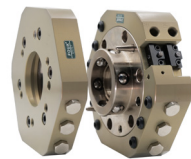
QTC50-T



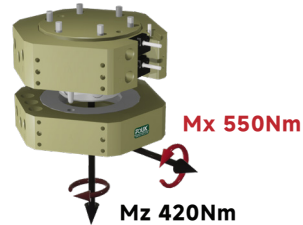
QuickTool Changer Series FOUK-QTC

QTC75

QTC75



Static Torque



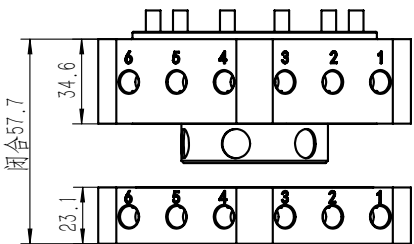
Specifications	QTC75-M	QTC75-T	Unit
	Robot-Side Tool Changer Tool-Side Tool Changer		
Weight	2	0.9	kg
Lock/Unlock main connection	G1/8	Locking Force(0.6MPa)/N	7500
Payload/kg	75	PermittedTemperature /° C	5~60
Repeat Accuracy/mm	0.015	IPRating(When fitting)	67
Working Air Pressure Range/Mpa	0.45-0.80	Numbers and features of pneumatic feed-throughs	9 × G1/8
Mechanical Self-Locking	Standard Configuration	Open/Close Detection	Optional Configuration

Accessories	Prcutre	Module Type	Model	Compatible Models	Parameters
Electrical Module		Signal Module	EM-19-M	QTC75-M (Robot Side)	50V, 3A, 19-pin
			EM-19-T	QTC75-T (Tool Side)	50V, 3A, 19-pin
		Communication Module	EM-TR-M	QTC75-M (Robot Side)	60V, 2A, 100Mbit/s
			EM-TR-T	QTC75-T (Tool Side)	60V, 2A, 100Mbit/s
		Power Module	EM-P-M	QTC75-M (Robot Side)	300/500V(AC/DC), 13A, 14pin
			EM-P-T	QTC75-T (Tool Side)	300/500V(AC/DC), 13A, 14pin

Accessories	Prcutre	Type of medium	No. of fluid feed-throughs	Max. operating pressure	Model	Compatible Models
Air Module		Air, vacuum	8 × M5	0.8Mpa	PF-LM-M5-8	QTC75-M (Robot Side)
					PF-LT-M5-8	QTC75-T (Tool Side)

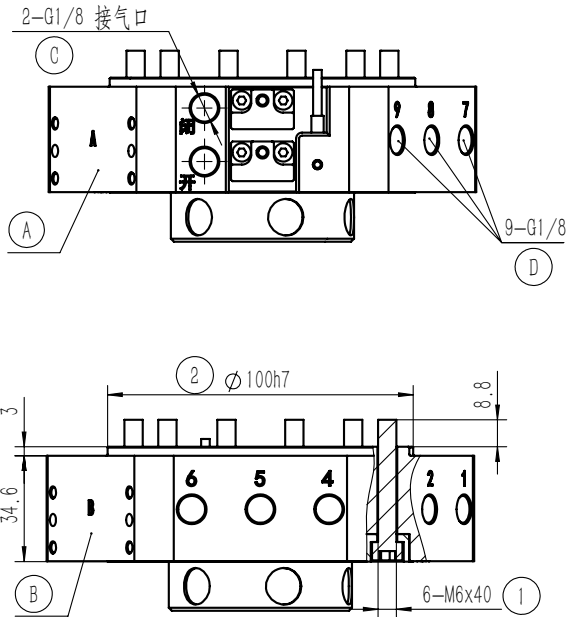
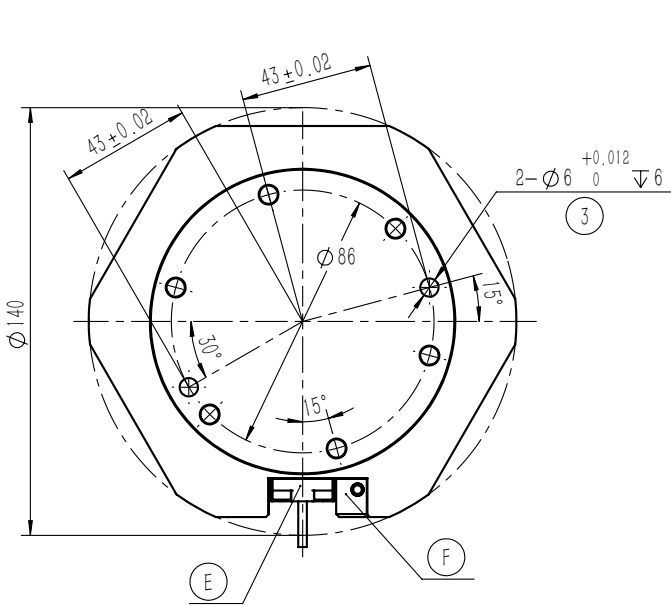
Accessories	Prcutre	Model	Compatible Models	Parameters
Cable		EM-50V-19-LW4	EM-19-M(Robot Side)	19-pin,Cable length 4m Right-Angle
		ET-50V-19-LW2	EM-19-T(Tool Side)	19-pin,Cable length 2m Connector

Accessories	Prcutre	Model	Function	Parameters	Recommended Quantity
Sensor		HS2-S04-P01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,PNP	3
		HS2-S04-N01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,NPN	

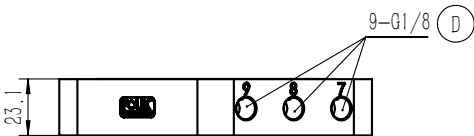
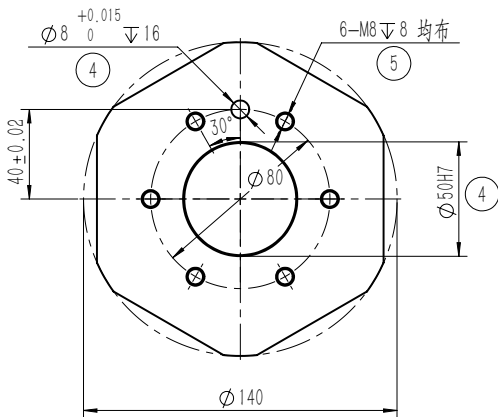


- Ⓐ A-side Module Mounting Surface
- Ⓑ B-side Module MountingSurface
- Ⓒ Compressed Air Connection
- Ⓓ Pneumatic feed-throughs
- Ⓔ Inductive Proximity SensorLocation
- Ⓕ Quick-change Surface Fitting Detection Position
- ① Hex Socket Counterbore Screw (Standard)
- ②③ Robot Side Locating Hole
- ④ Tool Side Locating Hole
- ⑤ Tool Side Mounting Hole

QTC75-M

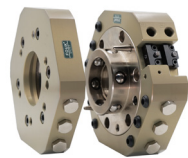


QTC75-T



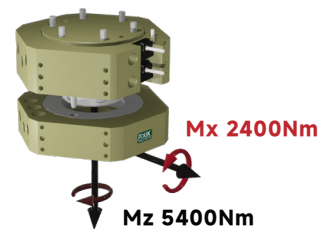
QuickTool Changer Series FOUK-QTC

QTC100



Static Torque

Dynamic Max. Load: 1/3 of Static Max. Load



Specifications	QTC100-M	QTC100-T	Unit
	Robot-Side Tool Changer Tool-Side Tool Changer		
Weight	2.4	1.4	kg
Lock/Unlock main connection	G1/8	Locking Force(0.6MPa)/N	12000
Payload/kg	100	PermittedTemperature /° C	5~60
Repeat Accuracy/mm	0.015	IPRating(When fitting)	67
Working Air Pressure Range/Mpa	0.45~0.80	Numbers and features of pneumatic feed-throughs	8 × G1/4
Mechanical Self-Locking	Standard Configuration	Open/Close Detection	Optional Configuration

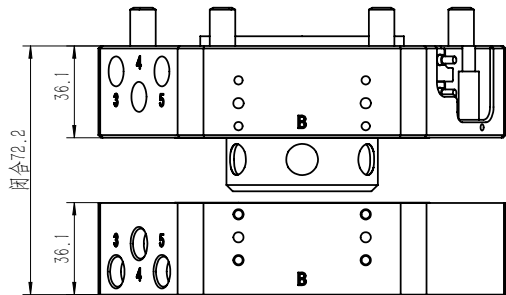
Accessories	Prcture	Module Type	Model	Compatible Models	Parameters
Electrical Module		Signal Module	EM-19-M	QTC100-M (Robot Side)	50V, 3A, 19pin
			EM-19-T	QTC100-T (Tool Side)	50V, 3A, 19pin
		Communication Module	EM-TR-M	QTC100-M (Robot Side)	60V, 2A, 100Mbit/s
			EM-TR-T	QTC100-T (Tool Side)	60V, 2A, 100Mbit/s
		Power Module	EM-P-M	QTC100-M (Robot Side)	300/500V(AC/DC), 13A, 14pin
			EM-P-T	QTC100-T (Tool Side)	300/500V(AC/DC), 13A, 14pin

Accessories	Prcture	Type of medium	No. of fluid feed-throughs	Max. operating pressure	Model	Compatible Models
Air Module		Air, vacuum	8 × M5	0.8Mpa	PF-LM-M5-8	QTC100-M (Robot Side)
					PF-LT-M5-8	QTC100-T (Tool Side)

Accessories	Prcture	Model	Compatible Models	Parameters
Cable		EM-50V-19-LW4	EM-19-M(Robot Side)	19-pin,Cable length 4m Right-Angle Connector
		ET-50V-19-LW2	EM-19-T(Tool Side)	19-pin,Cable length 2m

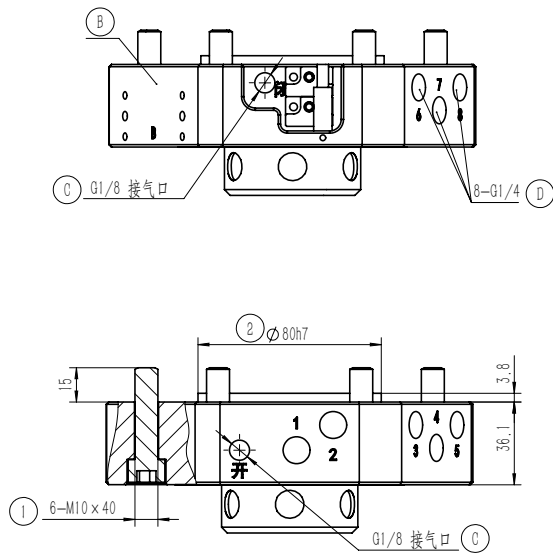
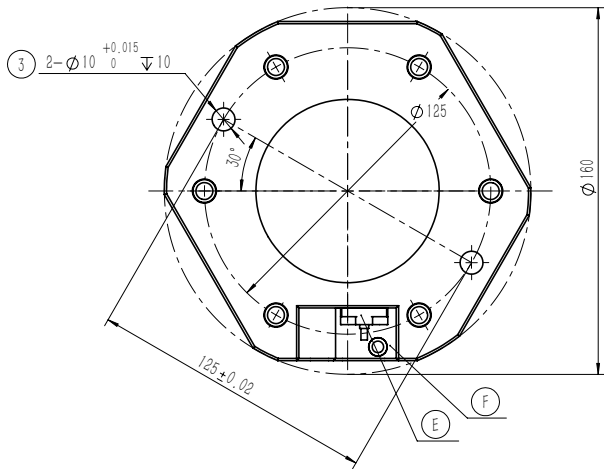
Accessories	Prcture	Model	Function	Parameters	Recommended Quantity
Sensor		HS2-S04-P01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,PNP	2
		HS2-S04-N01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,NPN	
		IPSD-2PS-0823-L3	Fitting Detection	(NO),3-pin,Cable length2m,PNP	1
		IPSD-2NS-0823-L3	Fitting Detection	(NO),3-pin,Cable length2m,NPN	

QTC100

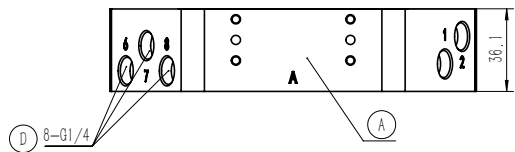
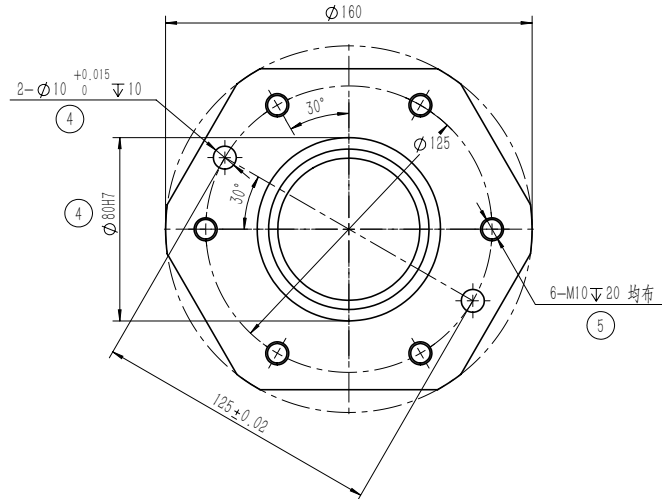


- Ⓐ A-side Module Mounting Surface
- Ⓑ B-side Module MountingSurface
- Ⓒ Compressed Air Connection
- Ⓓ Pneumatic feed-throughs
- Ⓔ Inductive Proximity SensorLocation
- Ⓕ Quick-change Surface Fitting Detection Position
- ① Hex Socket Counterbore Screw (Standard)
- ②③ Robot Side Locating Hole
- ④ Tool Side Locating Hole
- ⑤ Tool Side Mounting Hole

QTC100-M

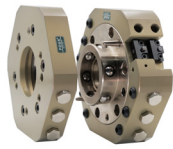


QTC100-T



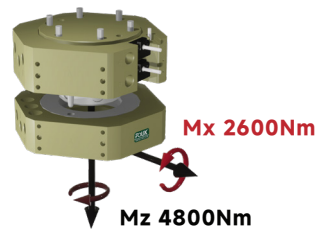
QuickTool Changer Series FOUK-QTC

QTC150



Static Torque

Dynamic Max. Load: $\frac{1}{3}$ of Static Max. Load



Specifications	QTC150-M	QTC150-T	Unit
Robot-Side Tool Changer Tool-Side Tool Changer			
Weight	4.4	1.9	kg
Lock/Unlock main connection	G1/8	Locking Force(0.6MPa)/N	14200
Payload/kg	150	PermittedTemperature /° C	5~60
Repeat Accuracy/mm	0.015	IPRating(When fitting)	67
Working Air Pressure Range/Mpa	0.45-0.80	Numbers and features of pneumatic feed-throughs	9 × G3/8
Mechanical Self-Locking	Standard Configuration	Open/Close Detection	Optional Configuration

Accessories	Prcutre	Module Type	Model	Compatible Models	Parameters
Electrical Module		Signal Module	EM-19-M	QTC150-M (Robot Side)	50V, 3A, 19pin
			EM-19-T	QTC150-T (Tool Side)	50V, 3A, 19pin
		Communication Module	EM-TR-M	QTC150-M (Robot Side)	60V, 2A, 100Mbit/s
			EM-TR-T	QTC150-T (Tool Side)	60V, 2A, 100Mbit/s
		Power Module	EM-P-M	QTC150-M (Robot Side)	300/500V(AC/DC), 13A, 14pin
			EM-P-T	QTC150-T (Tool Side)	300/500V(AC/DC), 13A, 14pin

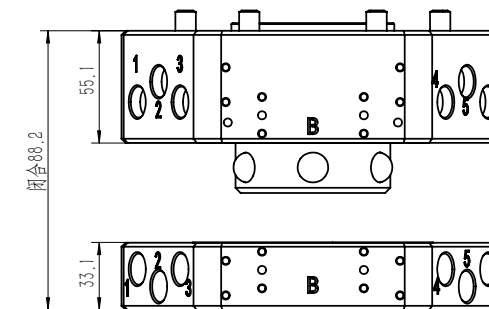
Accessories	Prcutre	Type of medium	No. of fluid feed-throughs	Max. operating pressure	Model	Compatible Models
Air Module		Air, vacuum	8 × M5	0.8Mpa	PF-LM-M5-8	QTC150-M (Robot Side)
					PF-LT-M5-8	QTC150-T (Tool Side)

Should you have any requirements for hydraulic circuit modules or other modules, please feel free to contact our sales representative

Accessories	Prcutre	Model	Compatible Models	Parameters	
Cable		EM-50V-19-LW4	EM-19-M(Robot Side)	19-pin,Cable length 4m	Right-Angle Connector
		ET-50V-19-LW2	EM-19-T(Tool Side)	19-pin,Cable length 2m	

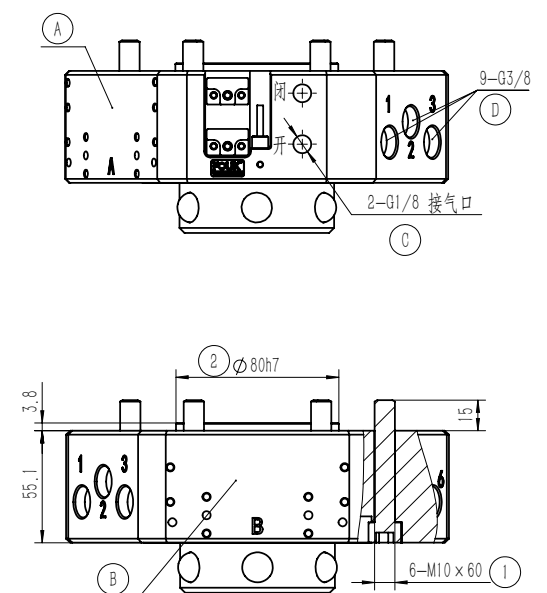
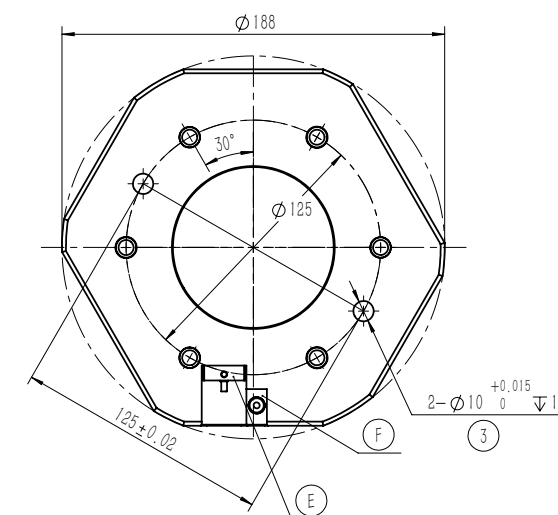
Accessories	Prcutre	Model	Function	Parameters	Recommended Quantity
Sensor		HS2-S04-P01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,PNP	2
		HS2-S04-N01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,NPN	
		IPSD-2PS-0823-L3	Fitting Detection	(NO),3-pin,Cable length2m,PNP	1
		IPSD-2NS-0823-L3	Fitting Detection	(NO),3-pin,Cable length2m,NPN	

QTC150

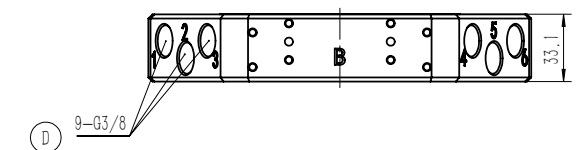
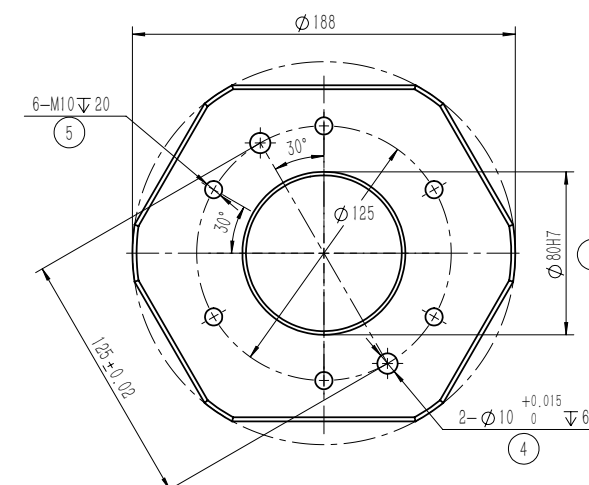


- (A) A-side Module Mounting Surface
 - (B) B-side Module Mounting Surface
 - (C) Compressed Air Connection
 - (D) Pneumatic feed-throughs
 - (E) Inductive Proximity Sensor Location
 - (F) Quick-change Surface Fitting Detection Position
- ① Hex Socket Counterbore Screw (Standard)
 - ② ③ Robot Side Locating Hole
 - ④ Tool Side Locating Hole
 - ⑤ Tool Side Mounting Hole

QTC150-M

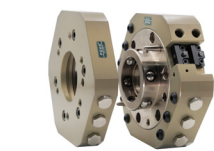


QTC150-T



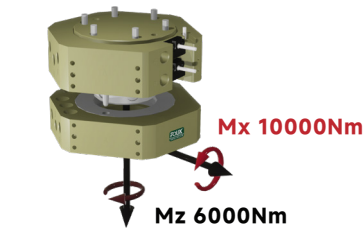
QuickTool Changer Series FOUK-QTC

QTC300



Static Torque

Dynamic Max. Load: 1/3 of Static Max. Load



Specifications	QTC300-M	QTC300-T	Unit
	Robot-Side Tool Changer Tool-Side Tool Changer		
Weight	6.4	2.5	kg
Lock/Unlock main connection	G1/8	Locking Force(0.6MPa)/N	31000
Payload/kg	300	PermittedTemperature /° C	5~60
Repeat Accuracy/mm	0.015	IPRating(When fitting)	67
Working Air Pressure Range/Mpa	0.45-0.80	Numbers and features of pneumatic feed-throughs	6 × G3/8、3 × G1/2
Mechanical Self-Locking	Standard Configuration	Open/Close Detection	Optional Configuration

Accessories	Prcutre	Module Type	Model	Compatible Models	Parameters
Electrical Module		Signal Module	EM-19-M	QTC300-M (Robot Side)	50V, 3A, 19pin
			EM-19-T	QTC300-T (Tool Side)	50V, 3A, 19pin
		Communication Module	EM-TR-M	QTC300-M (Robot Side)	60V, 2A, 100Mbit/s
			EM-TR-T	QTC300-T (Tool Side)	60V, 2A, 100Mbit/s
		Power Module	EM-P-M	QTC300-M (Robot Side)	300/500V(AC/DC), 13A, 14pin
			EM-P-T	QTC300-T (Tool Side)	300/500V(AC/DC), 13A, 14pin

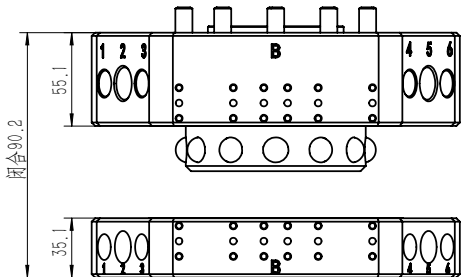
Accessories	Prcutre	Type of medium	No. of fluid feed-throughs	Max. operating pressure	Model	Compatible Models
Air Module		Air, vacuum	8 × M5	0.8Mpa	PF-LM-M5-8	QTC300-M (Robot Side)
					PF-LT-M5-8	QTC300-T (Tool Side)

Should you have any requirements for hydraulic circuit modules or other modules, please feel free to contact our sales representative

Accessories	Prcutre	Model	Compatible Models	Parameters
Cable		ET-50V-19-LW4	EM-19-M(Robot Side)	19-pin,Cable length 4m Right-Angle Connector
		ET-50V-19-LW2	EM-19-T(Tool Side)	19-pin,Cable length 2m

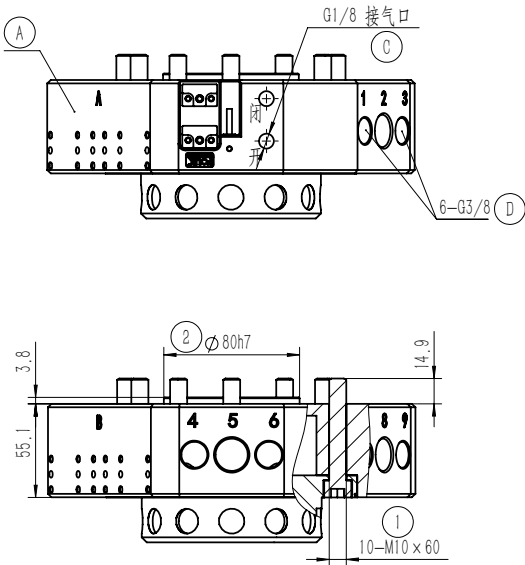
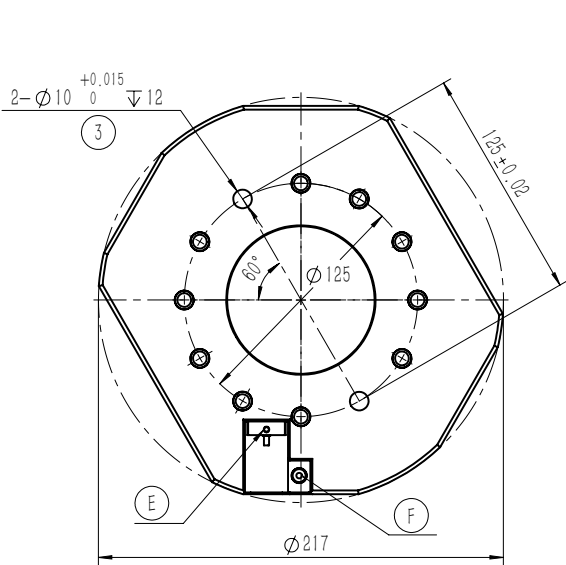
Accessories	Prcutre	Model	Function	Parameters	Recommended Quantity
Sensor		HS2-S04-P01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,PNP	2
		HS2-S04-N01	Quick-Change (Open/Close)Detection	(NO),3-pin,Cable length2m,NPN	
		IPSD-2PS-0823-L3	Fitting Detection	(NO),3-pin,Cable length2m,PNP	1
		IPSD-2NS-0823-L3	Fitting Detection	(NO),3-pin,Cable length2m,NPN	

QTC300



- Ⓐ A-side Module Mounting Surface
- Ⓑ B-side Module MountingSurface
- Ⓒ Compressed Air Connection
- Ⓓ Pneumatic feed-throughs
- Ⓔ Inductive Proximity SensorLocation
- Ⓕ Quick-change Surface Fitting Detection Position
- ① Hex Socket Counterbore Screw (Standard)
- ②③ Robot Side Locating Hole
- ④ Tool Side Locating Hole
- ⑤ Tool Side Mounting Hole

QTC300-M



QTC300-T

