

Quick changer

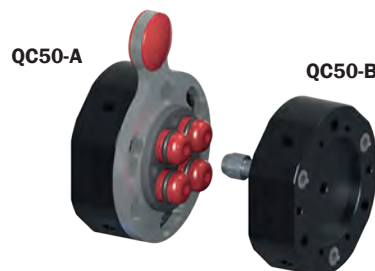
- Easy replacement of the EOAT on the robot.
- Suitable also with vacuum ports.
- Avoids mistakes in pneumatic and electrical connections.
- 4, 8, 10 or 12 pneumatic connections.
- 15 electrical connections.
- The two parts (robot side and gripper side) are supplied separately.
- The robot side QCX unit can also cut off the compressed air with a safety air valve.
- The robot side QCY unit cuts off the compressed air automatically during disengagement.
- Optional LOQC lock unit.



QCX150-A



QC150-B



QC50-A

QC50-B



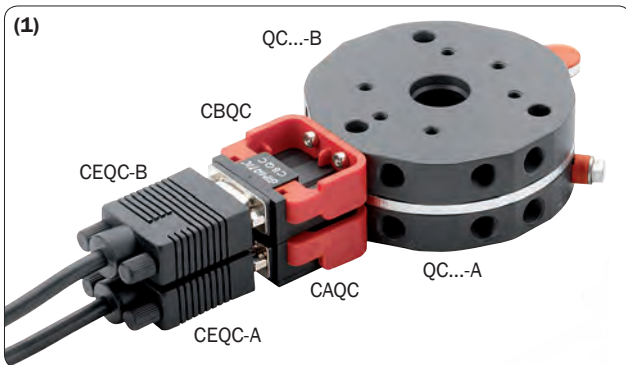
QCY90-A

QC90-B

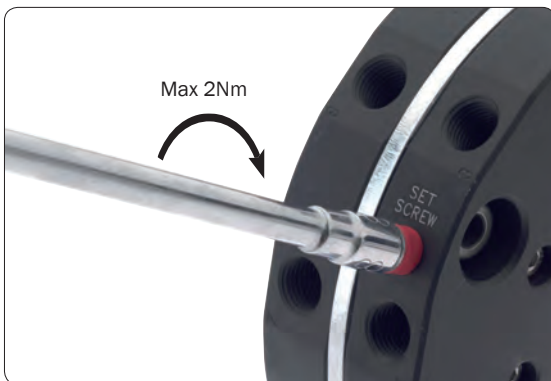
	QC50	QC90	QC150	QC160	QC200
Fluido Medium	Aria compressa filtrata, lubrificata / non lubrificata Filtered, lubricated / non lubricated compressed air				
Pressione di esercizio Pressure range	-1 ÷ 6 bar				
Temperatura di esercizio Temperature range	5 ÷ 60 °C				
Cambia utensile lato robot Robot side quick changer	103 g QC50-A	318 g QC90-A	1123 g QC150-A	1200 g QC160-A	2640 g QC200-A
Cambia utensile lato robot con valvola di sicurezza Robot side quick changer with safety valve	-	595 g QCY90-A	2200 g QCX150-A	2200 g QCX160-A	4900 g QCX200-A
Cambia utensile lato robot con valvola automatica Robot side quick changer with automatic valve	-	350 g QCY90-A	-	-	-
Cambia utensile lato pinza Gripper side quick changer	65 g QC50-B	227 g QC90-B	827 g QC150-B	900 g QC160-B	1890 g QC200-B

Accessories

The optional accessories CAQC and CBQC are available for the electrical connection (1).
Detachment and joining of the two parts are quick and easy (2).



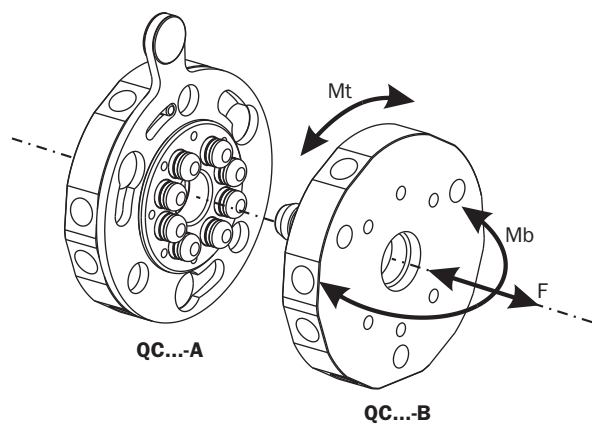
After joining it is possible to engage a conical set screw, to eliminate any play between the two sides, for "zero tolerance" applications (only for QC90, QCX90, QCY90, QC160, QCX160, QC150 and QCX150).



Carichi di sicurezza

Safety loads

	QC50	QC90 QCX90 QCY90	QC150 QCX150	QC160 QCX160	QC200 QCX200
F	150 N	400 N	1000 N	1000 N	2000 N
Mt	20 Nm	100 Nm	250 Nm	250 Nm	600 Nm
Mb	10 Nm	60 Nm	150 Nm	150 Nm	450 Nm
m (*)	3 kg	10 kg	30 kg	30 kg	75 kg



(*)
Carico raccomandato
Recommended payload

Electrical connection module

- 15 pins Ø1 mm.
- I/O quick change by VGA connector.
- Self-cleaning sliding contacts.
- The two parts are supplied separately:
CAQC - robot side
CBQC - gripper side.



CAQC



CBQC

	CAQC	CBQC
Tipo di connessione I/O I/O connection type	15 pin D-SUB - Connettore alta densità ad angolo retto - Tipo VGA 15 pins D-SUB - High density elbow type - VGA type	
Corrente d'esercizio Working Current	3 A	
Tensione di scarica Break down voltage	1000 V AC (1 minuto) 1000 V AC (1 minute)	
Temperatura di esercizio Temperature range	-55°C ÷ +105°C	
Contatti Contact	Dorati Gold plated	