

Cambia utensile

- Cambio rapido dell'attrezzatura sul robot.
- Adatto anche per canalizzazioni in depressione.
- Evita errori nelle connessioni pneumatiche ed elettriche.
- 8 o 10 connessioni pneumatiche.
- 15 connessioni elettriche.
- Le due parti (lato robot e lato pinza) sono fornite separatamente.

Quick changer

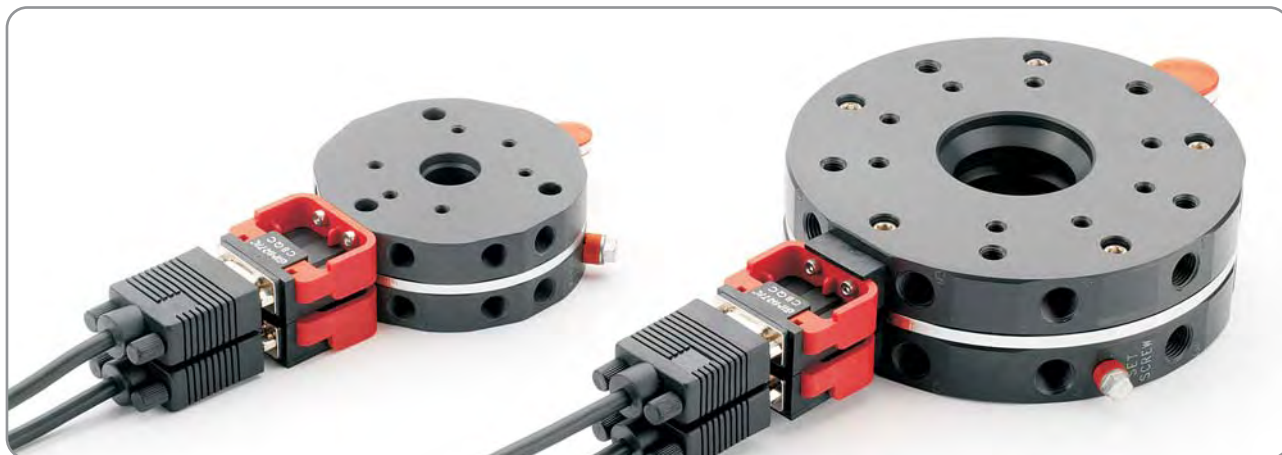
- Easy replacement of the EOAT on the robot.
- Suitable also with vacuum ports.
- Avoids mistakes in pneumatic and electrical connections.
- 8 or 10 pneumatic connections.
- 15 electrical connections.
- The two parts (robot side and gripper side) are supplied separately.



	QC90	QC150
Fluido Medium	Aria compressa filtrata, lubrificata / non lubrificata Filtered, lubricated / non lubricated compressed air	
Pressione di esercizio Pressure range	Max 6 bar	
Temperatura di esercizio Temperature range	5 ÷ 60 °C	
Cambia utensile lato robot Robot side quick changer	QC90-A (318 g)	QC150-A (1123 g)
Cambia utensile lato pinza Gripper side quick changer	QC90-B (227 g)	QC150-B (827 g)
Connettore elettrico femmina (+ cavo) Female electrical connector (+ cable)	CAQC (30 g) (+ cavo/cable 150 g)	
Connettore elettrico maschio (+ cavo) Male electrical connector (+ cable)	CBQC (30 g) (+ cavo/cable 150 g)	

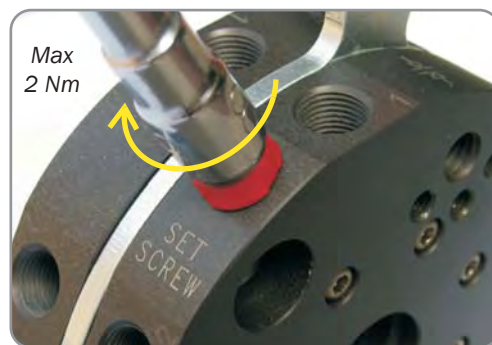
Per la connessione elettrica sono disponibili gli accessori opzionali CAQC e CBQC.

The optional accessories CAQC and CBQC are available for the electrical connection.



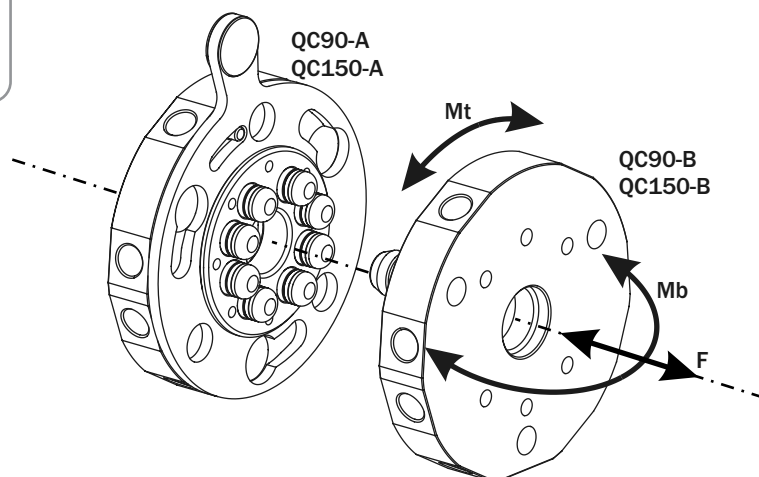
L'apertura e la chiusura manuale sono rapide e intuitive. Dopo la chiusura si può agire sulla vite di bloccaggio conica (SET SCREW), per azzerare completamente il gioco fra le due parti.

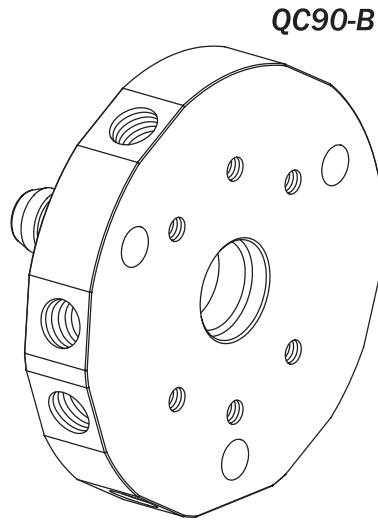
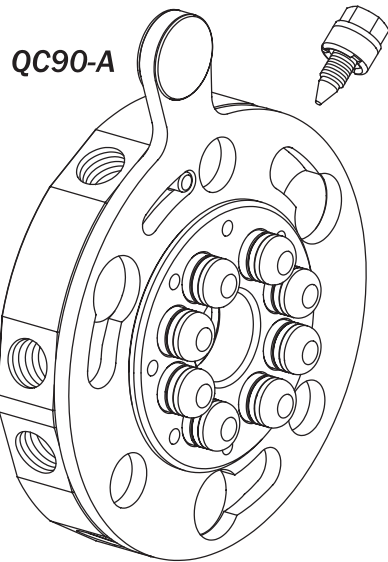
Detachment and joining of the two parts are quick and easy. After joining it is possible to engage a conical set screw, to eliminate any play between the two sides, for "zero tolerance" applications.



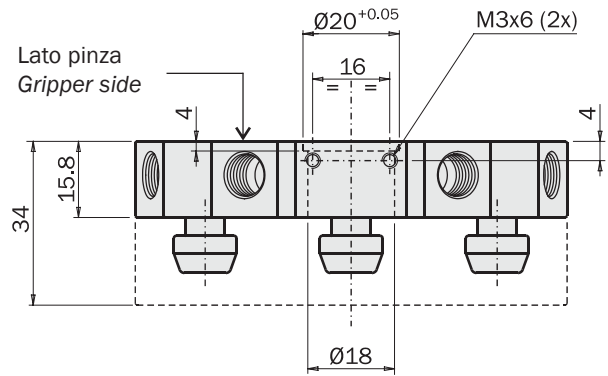
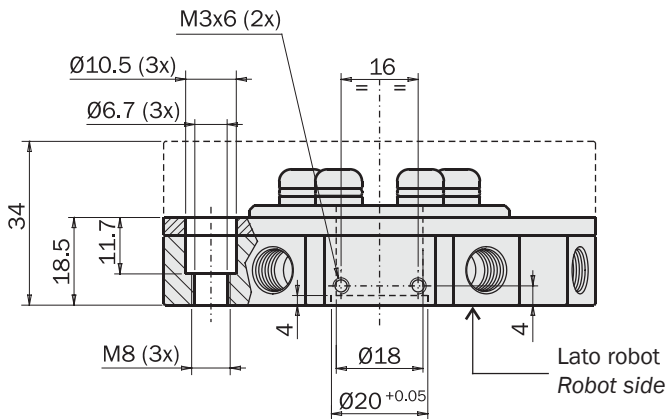
Carichi di sicurezza / Safety loads

	QC90	QC150
F	400 N	1000 N
Mt	100 Nm	250 Nm
Mb	60 Nm	100 Nm



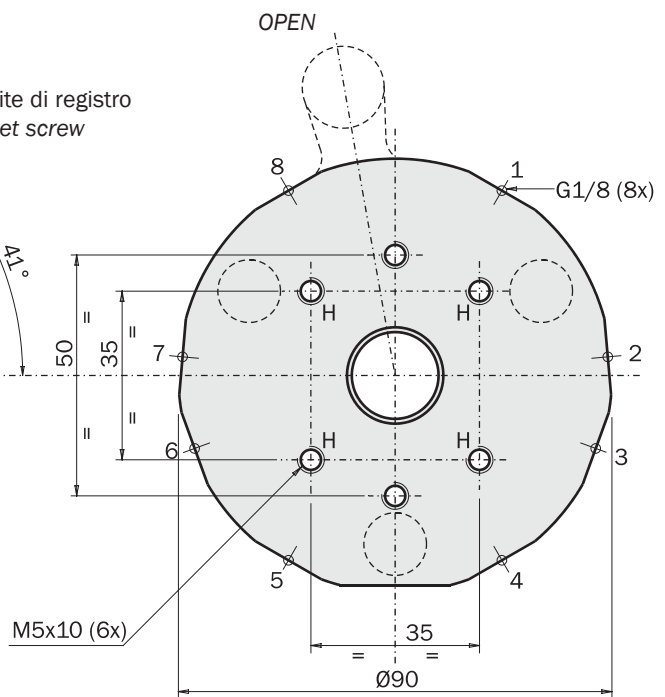
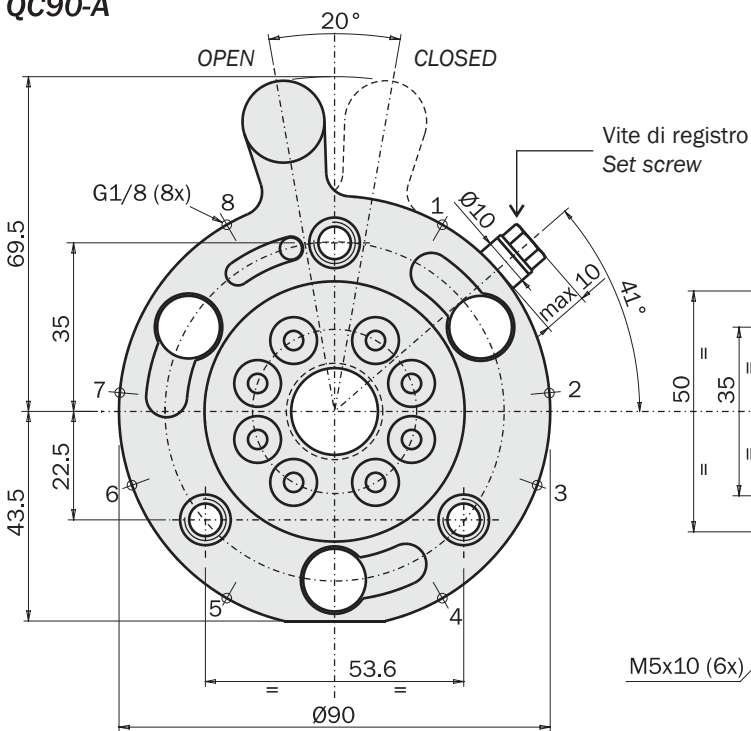


FIRST ANGLE PROJECTION

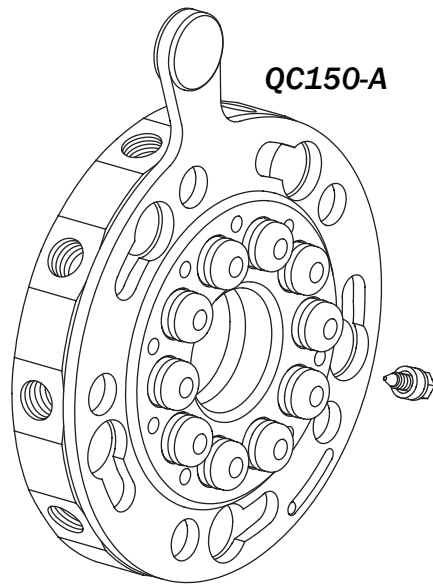


QC90-A

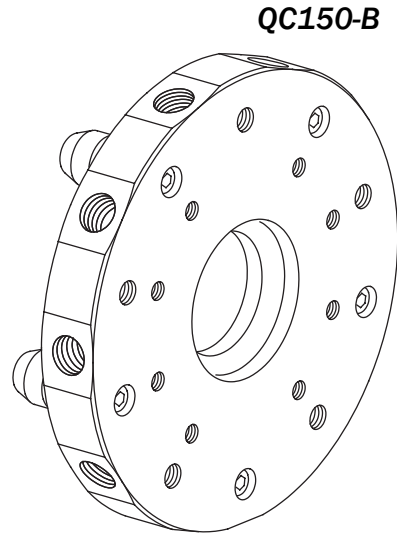
QC90-B



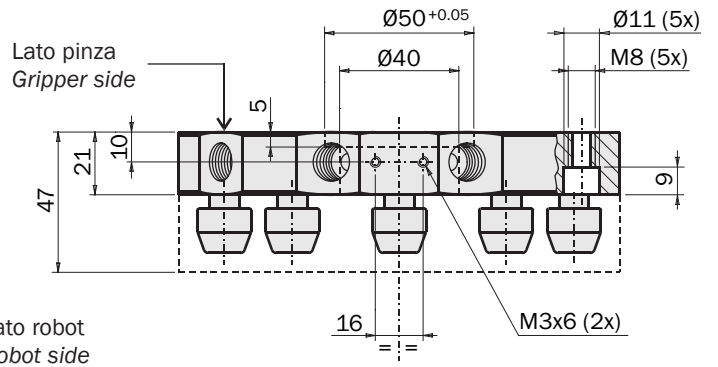
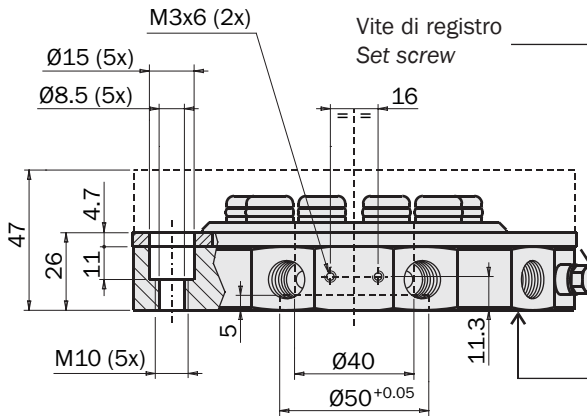
H= Fori filettati per il fissaggio dell'interfaccia MFM-A12
 Threaded holes for the mounting of the interface MFM-A12



QC150-A

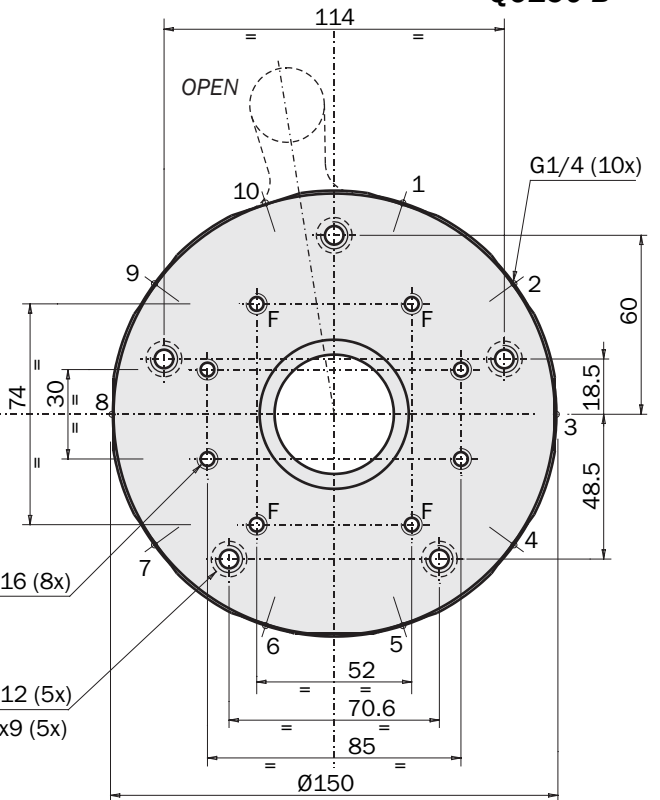
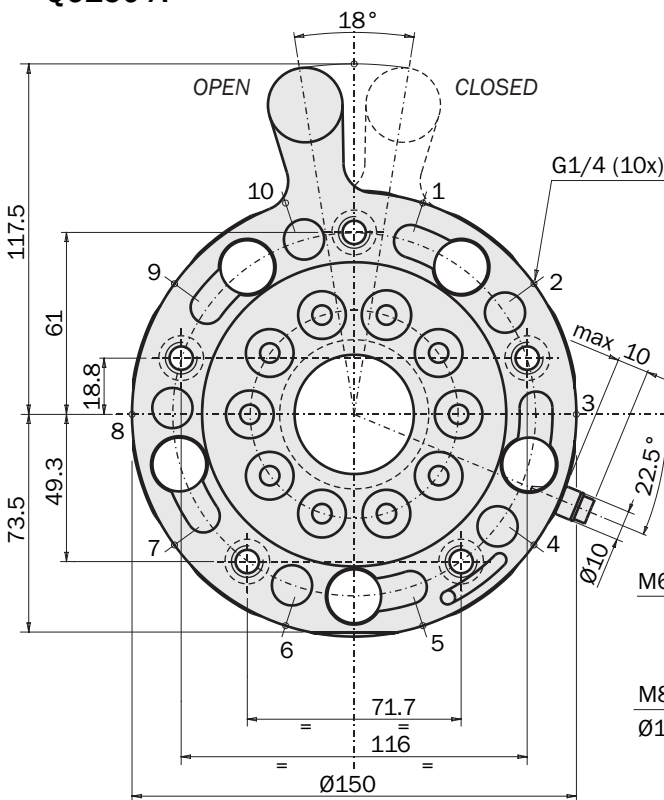


QC150-B



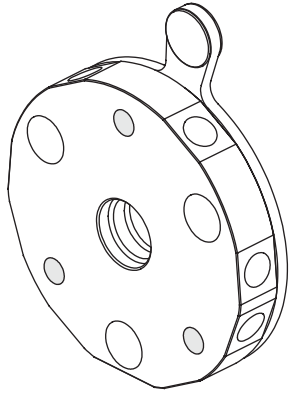
QC150-A

QC150-B

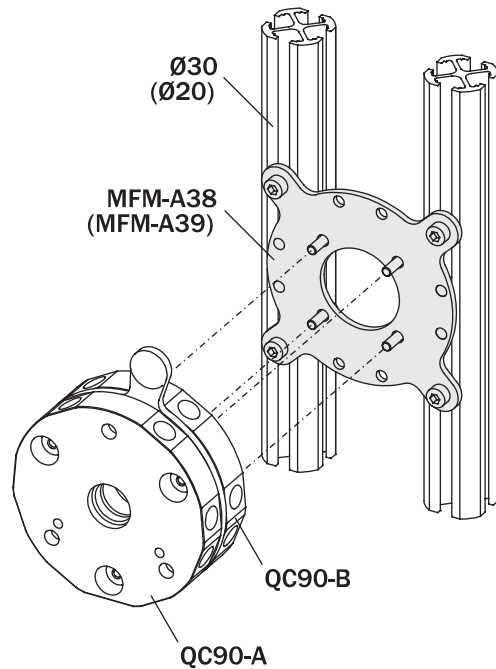
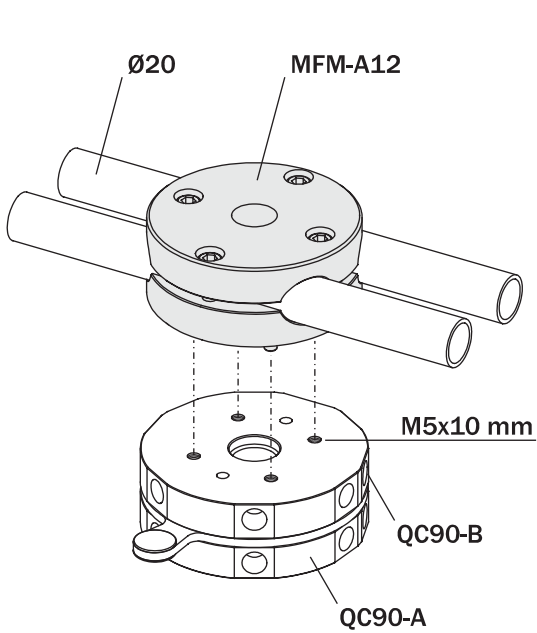
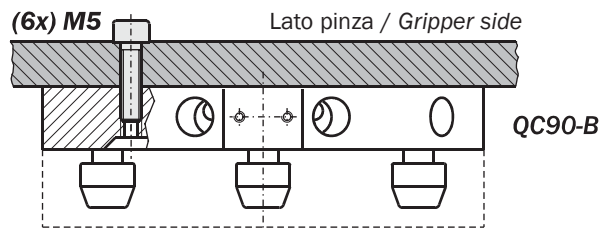
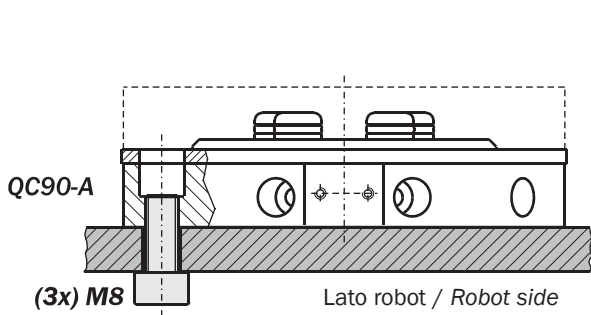
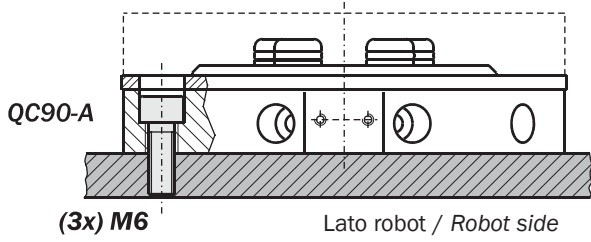
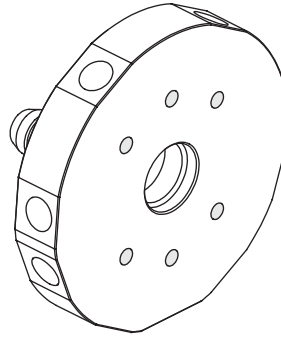


F= Fori filettati per il fissaggio dell'interfaccia MFM-A16
 Threaded holes for the mounting of the interface MFM-A16

QC90-A



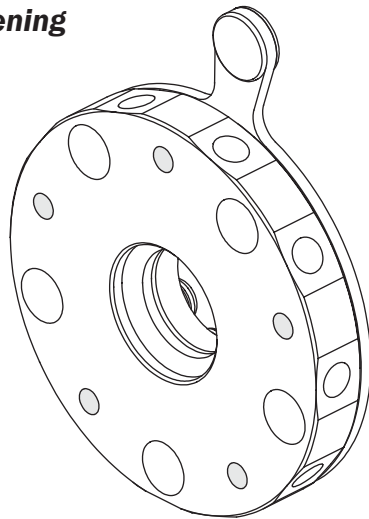
QC90-B



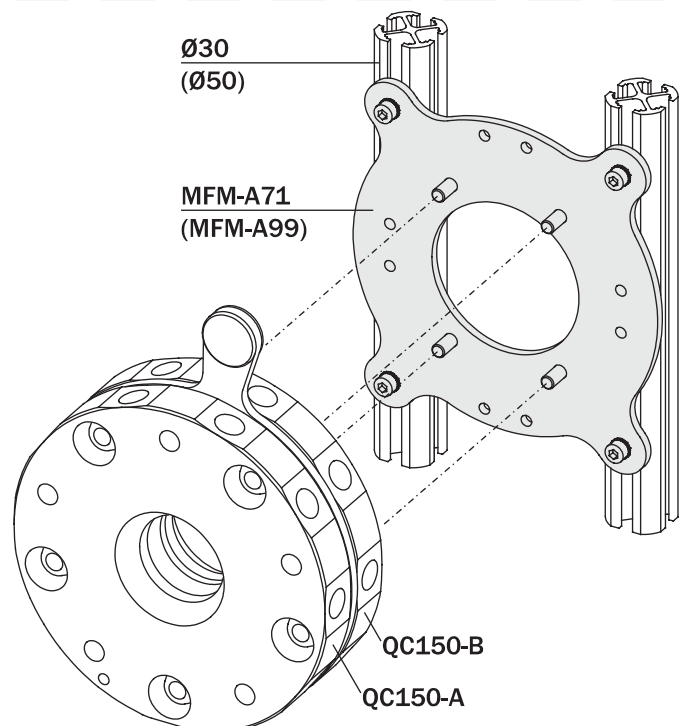
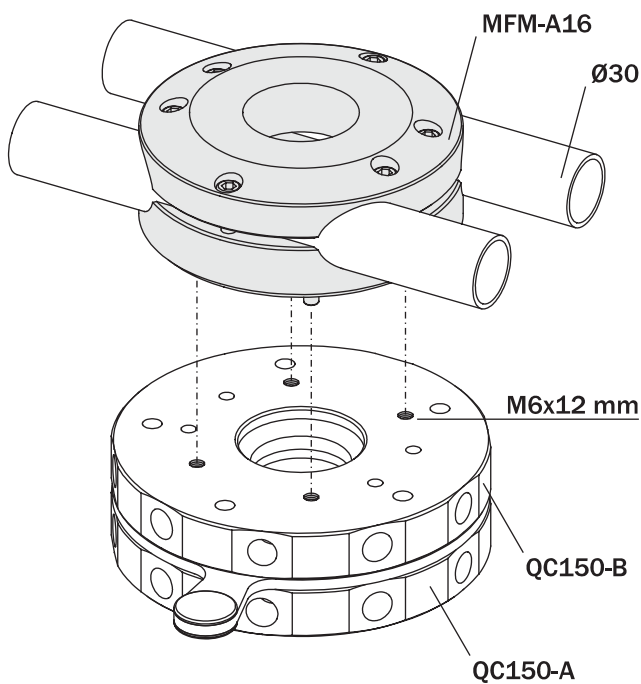
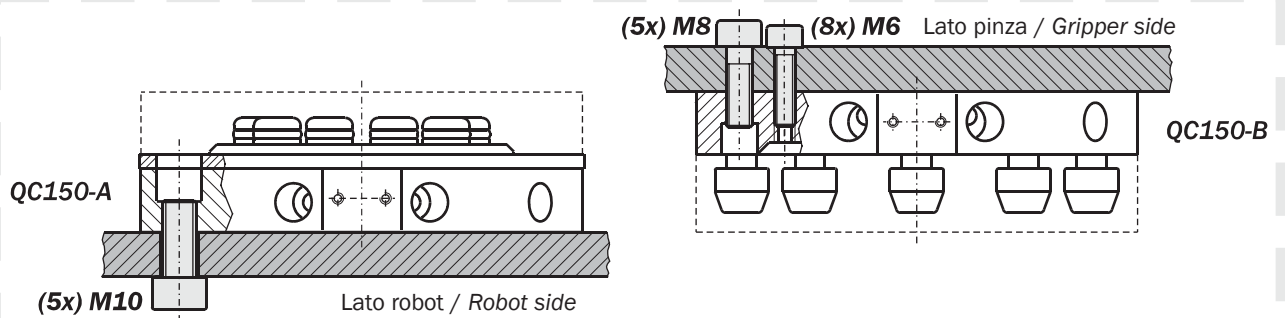
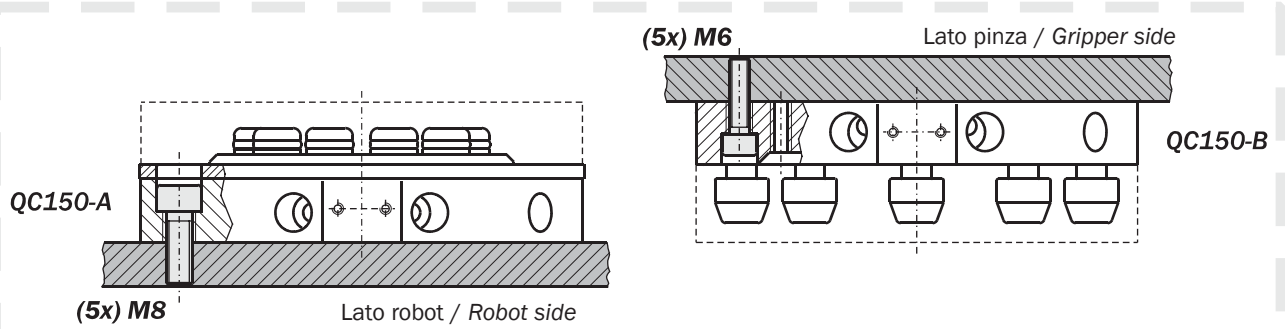
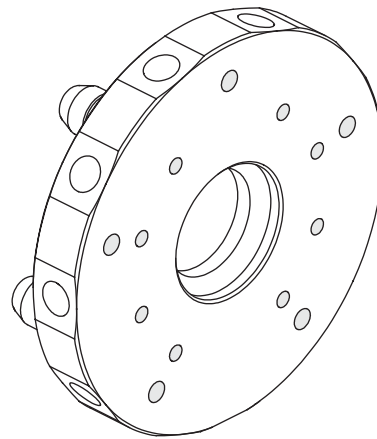
Fissaggio / Fastening

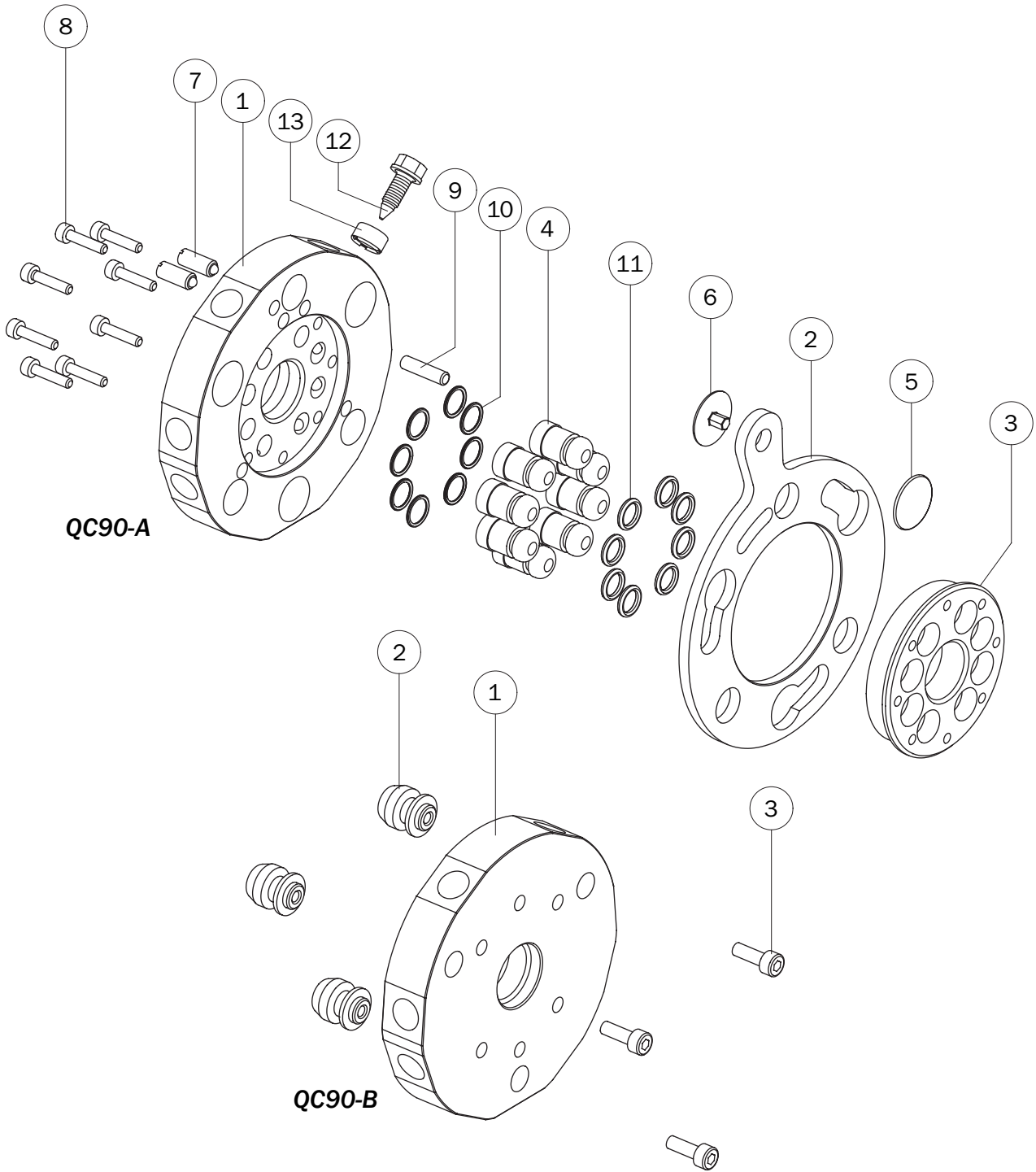
QC150

QC150-A

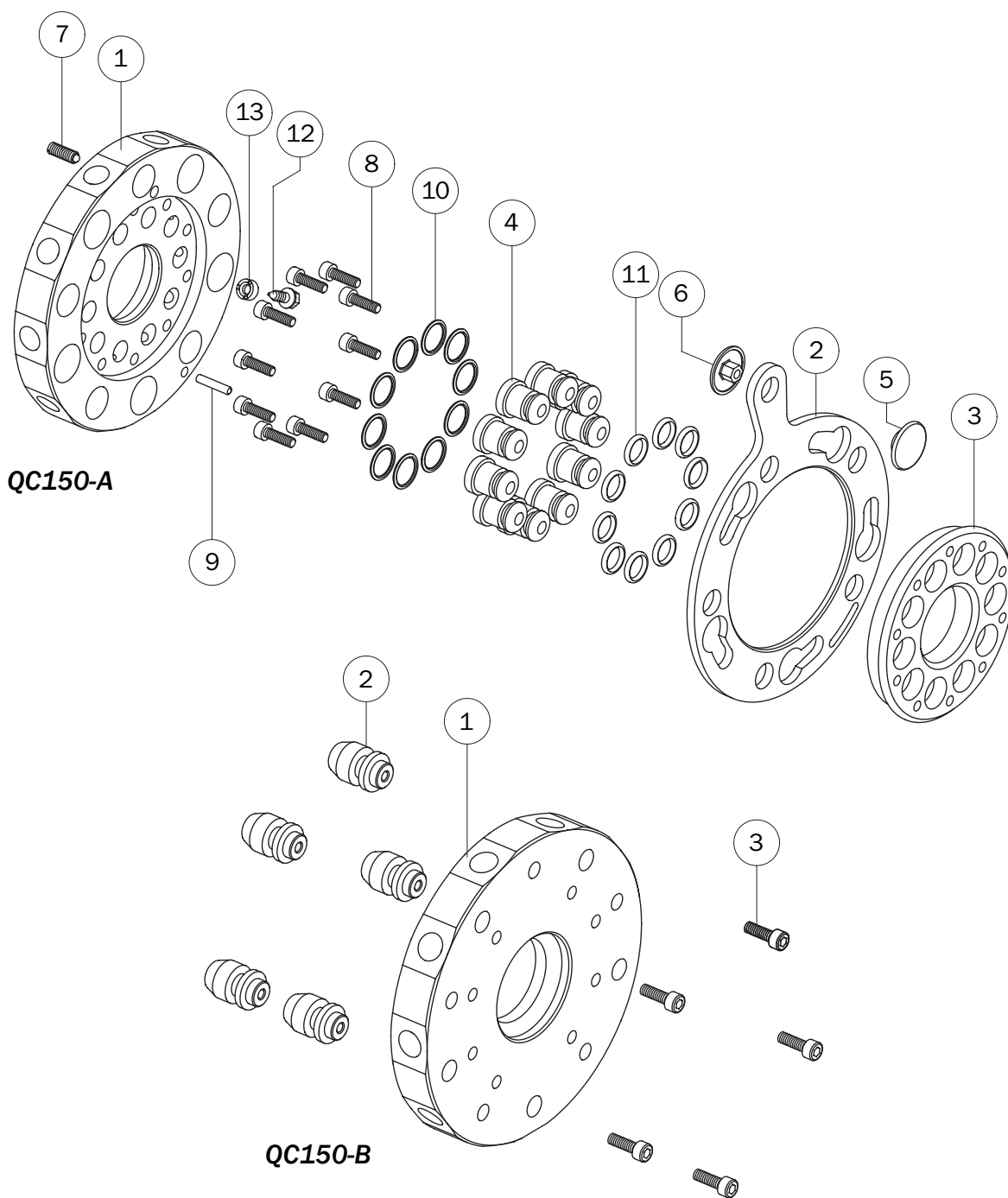


QC150-B





QC90-A		
1- Base	QC90-01	Base plate -1
2- Piastra di bloccaggio	QC90-03	Locking plate -2
3- Inserto porta-ugelli	QC90-04	Nipple holder -3
4- Ugello	QC90-05	Nipple -4
5- Profilo destro	QC90-07	Right button -5
6- Profilo sinistro	QC90-08	Left button -6
7- Grano a sfera	M5 DIN 267	Spring plunger -7
8- Vite TCEI	M3x14 mm DIN 912 INOX A2	Screw -8
9- Spina di riferimento	Ø4x16 mm DIN 6325	Dowel pin -9
10- O-Ring	Ø1x8 mm (GUAR-085)	O-Ring -10
11- O-Ring	Ø1.5x7 mm (GUAR-115)	O-Ring -11
12- Vite block	QC90-09	Screw -12
13- Anello distanziale	QC90-10	Spacer -13
QC90-B		
1- Flangia	QC90-02	Flange -1
2- Centraggio	QC90-06	Centering stud -2
3- Vite TCEI	M4x12 mm DIN 912 INOX A2	Screw -3



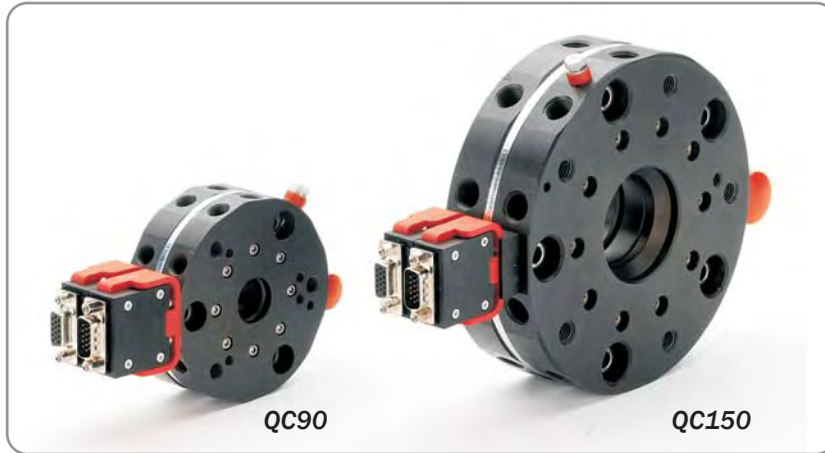
QC150-A		
1- Base	QC150-01	Base plate -1
2- Piastra di bloccaggio	QC150-03	Locking plate -2
3- Inserto porta-ugelli	QC150-04	Nipple holder -3
4- Ugello	QC150-05	Nipple -4
5- Profilo destro	QC150-07	Right button -5
6- Profilo sinistro	QC150-08	Left button -6
7- Grano a sfera	M6 DIN 267	Spring plunger -7
8- Vite TCEI	M5x16 mm DIN 912 INOX A2	Screw -8
9- Spina di riferimento	Ø4x20 mm DIN 6325	Dowel pin -9
10- O-Ring	Ø1.78x15.6 mm (GUAR-023)	O-Ring -10
11- O-Ring	Ø2.4x11.3 mm (GUAR-117)	O-Ring -11
12- Vite block	QC90-09	Screw -12
13- Anello distanziale	QC90-10	Spacer -13
QC150-B		
1- Flangia	QC150-02	Flange -1
2- Centraggio	QC150-06	Centering stud -2
3- Vite TCEI	M5x16 mm DIN 912 INOX A2	Screw -3

Modulo di connessione elettrica

- 15 connessioni elettriche Ø1 mm.
- Attacco rapido I/O attraverso connettore VGA.
- Connessione a sfregamento autopulente.
- Le due parti sono fornite separatamente:
CAQC - lato robot
CBQC - lato pinza.

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.



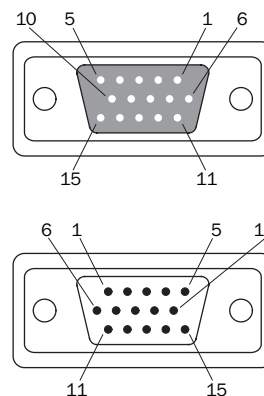
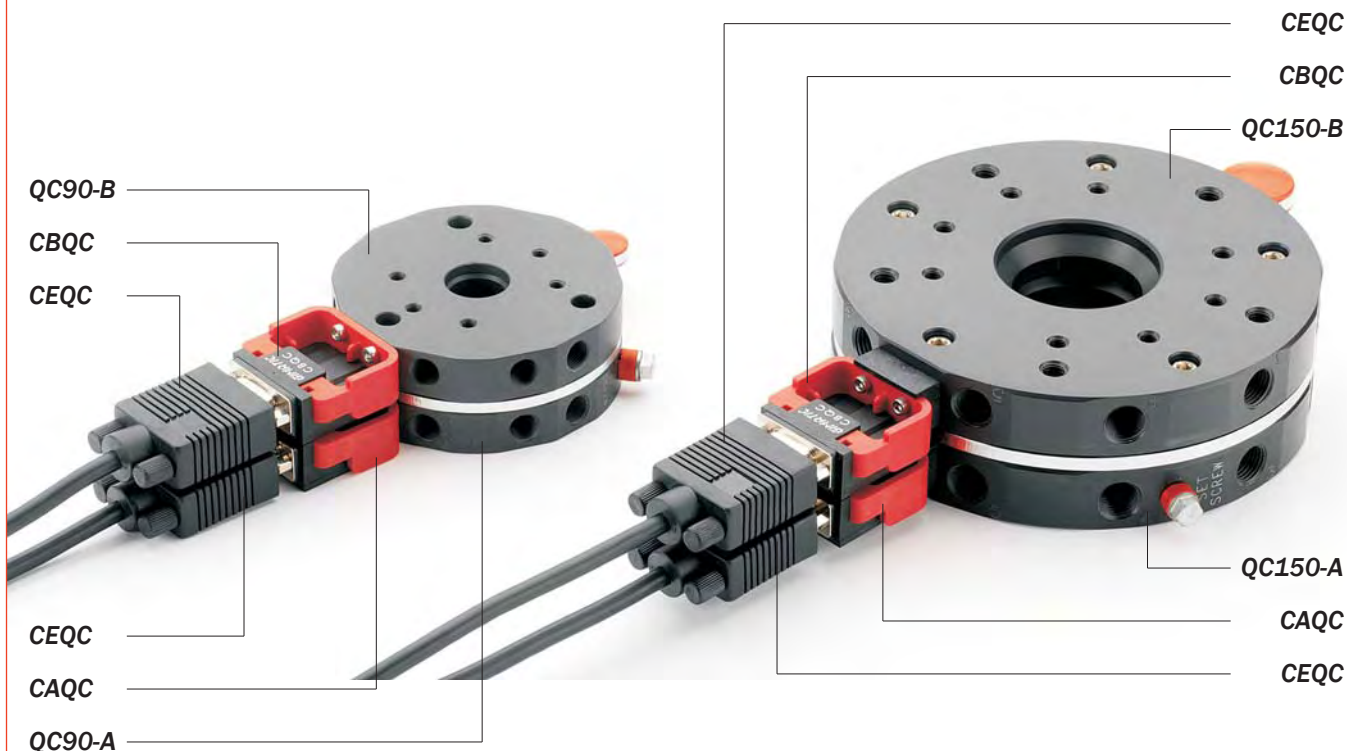
	CAQC	CBQC
Tipo di connessione I/O <i>I/O connection type</i>	15 pin D-SUB - Connettore alta densità ad angolo retto - Tipo VGA <i>15 pins D-SUB - High density elbow type - VGA type</i>	
Resistenza di contatto massima <i>Maximum contact resistance</i>	30 mΩ @ 100 mA DC	
Resistenza d'isolamento minima <i>Minimum insulation resistance</i>	500 MΩ @ 500 V DC	
Corrente d'esercizio <i>Working Current</i>	3 A	
Tensione di scarica <i>Break down voltage</i>	1000 V AC (1 minuto) <i>1000 V AC (1 minute)</i>	
Temperatura d'esercizio <i>Operating temperature</i>	-55°C ÷ +105°C	
Contatti <i>Contact</i>	Dorati <i>Gold plated</i>	

Cavo

A parte è fornito il cavo maschio-femmina con il codice CEQC.

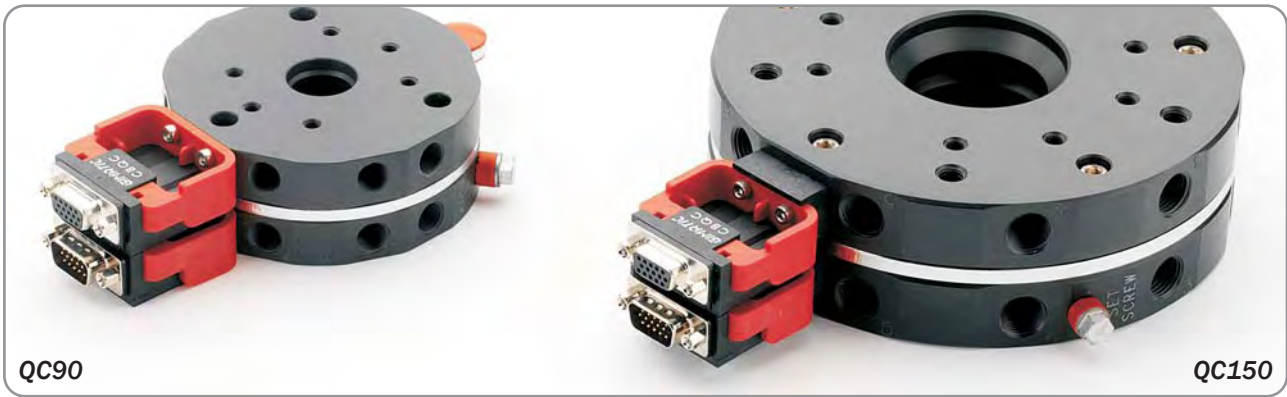
Cable

The male-female cable (code: CEQC) is supplied separately.



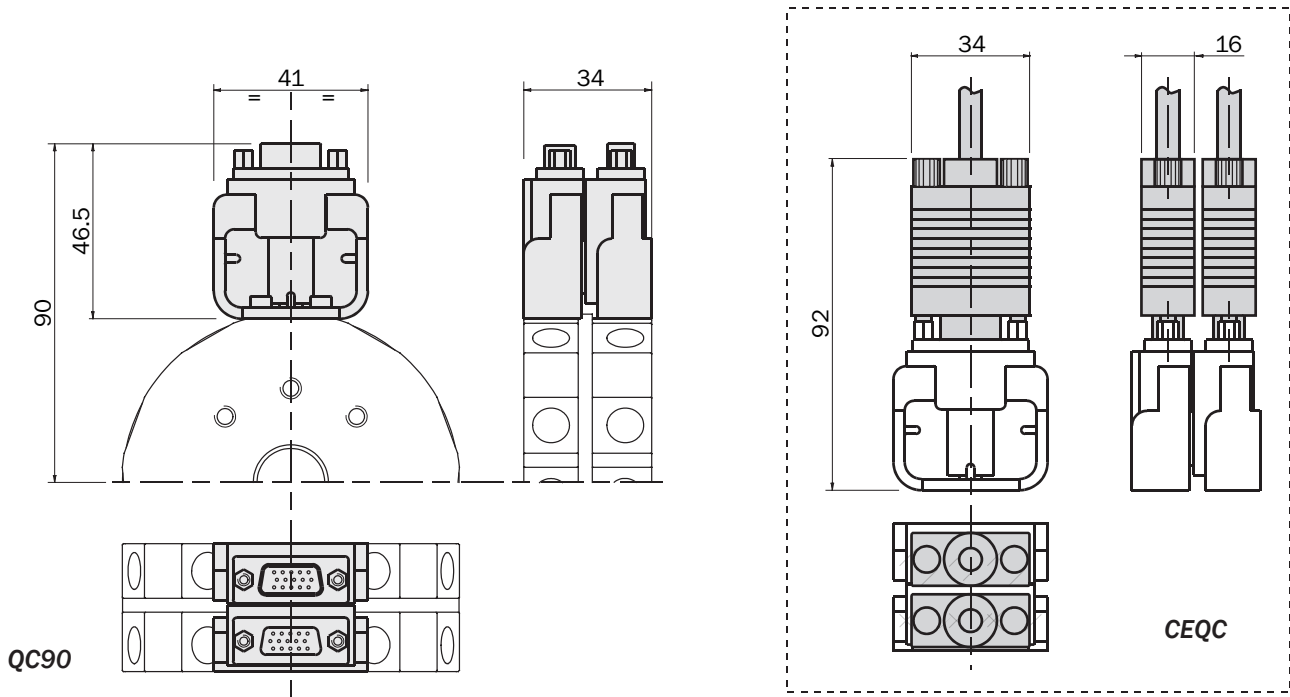
CEQC	
Tipo di connessione I/O <i>I/O connection type</i>	15 pin D-SUB - Tipo VGA <i>15 pins D-SUB - VGA type</i>
Lunghezza cavo <i>Cable length</i>	1500 mm
Conduttori <i>Conductor</i>	28÷26 AWG rame stagnato <i>28÷26 AWG full annealed stranded tinned copper</i>
Isolamento <i>Insulation</i>	PVC codifica colori standard <i>PVC premium grade color coded</i>
Schermatura <i>Shield</i>	100% alluminio - Pellicola di mylar - 28÷26 AWG <i>100% aluminum - Mylar foil - 28÷26 AWG</i>
Guaina <i>Jacket</i>	PVC nero <i>Black PVC</i>
Temperatura d'esercizio <i>Operating temperature</i>	5 ÷ 80 °C
Gamma di tensione <i>Voltage rating</i>	0 ÷ 300 V
Certificazioni <i>Approvals</i>	UL/CSA

Dimensioni (mm) / Dimensions (mm)



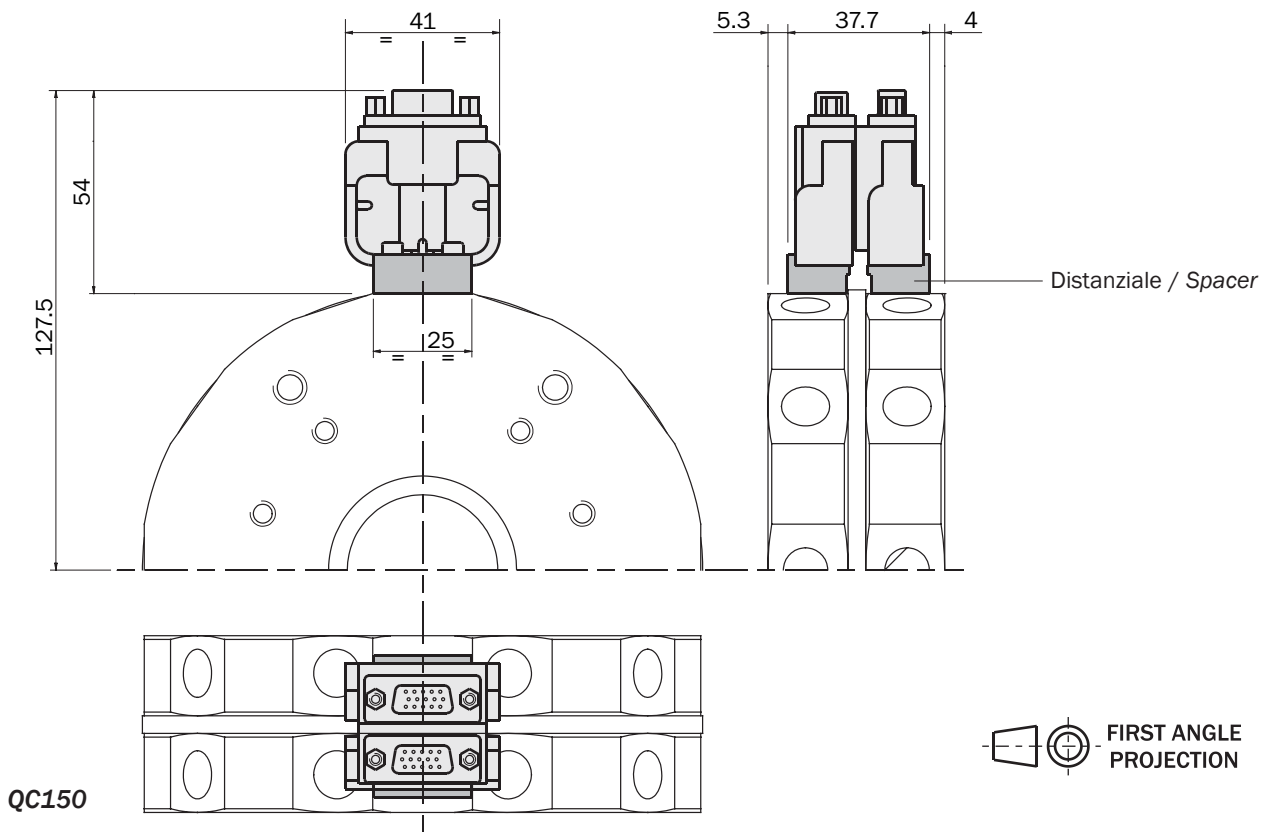
QC90

QC150



QC90

CEQC



QC150

FIRST ANGLE PROJECTION

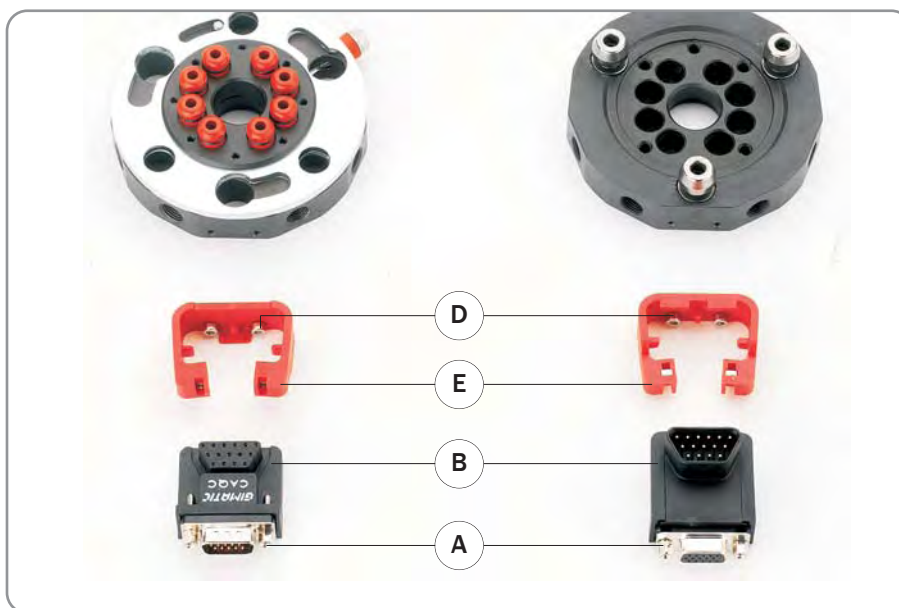
Fissaggio

- 1 Posizionare la staffa (E) sul QC... e fissarla utilizzando le viti (D).
Sul QC150 può essere necessario interporre il distanziale (F).
- 2 Posizionare il connettore (B) inserendolo nella staffa (E).
Poi fissarlo avvitando le viti (A).

Fastening

- 1 Place the bracket (E) on the QC... and fasten it with the screws (D).
On the QC150 could be necessary the spacer (F).
- 2 Insert the connector (B) in the bracket (E).
Then fasten it with the screws (A).

QC90-A

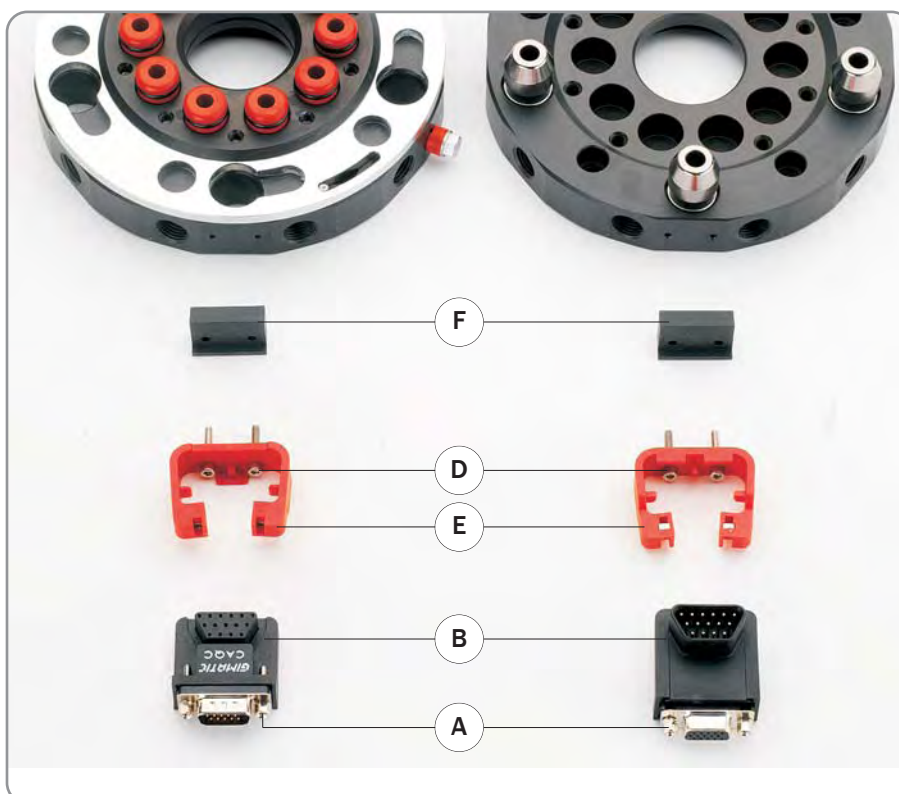


QC90-B

CAQC

CBQC

QC150-A

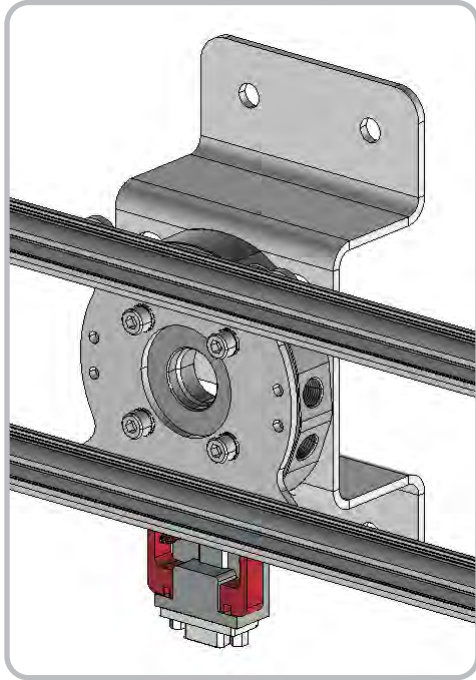


QC150-B

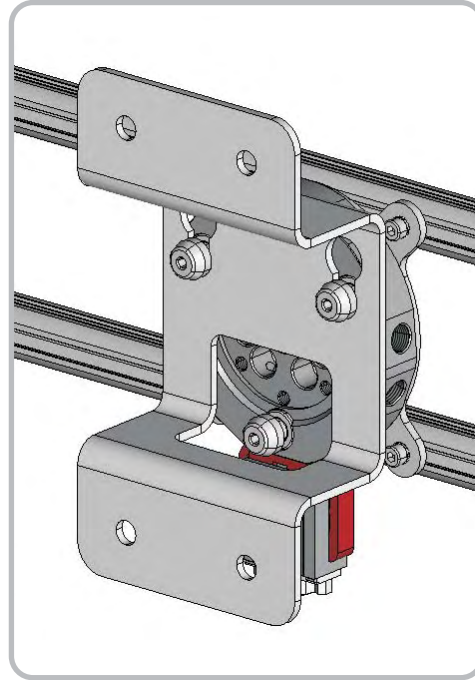
CAQC

CBQC

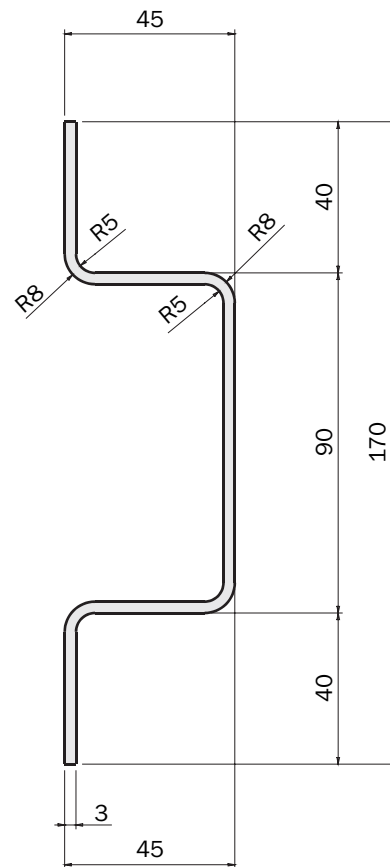
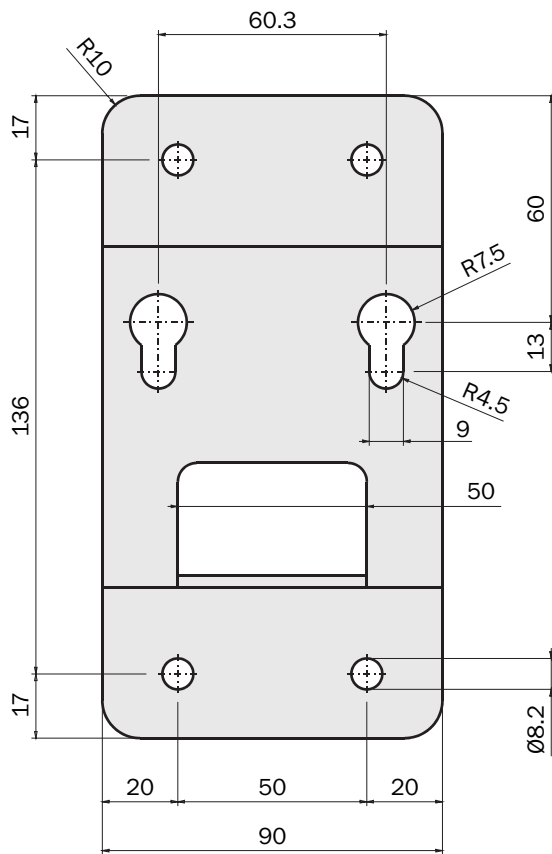
**Magazzino per EOAT
QC90-H (da usare con QC90-B)**



**EOAT Storage
QC90-H (to be used with QC90-B)**

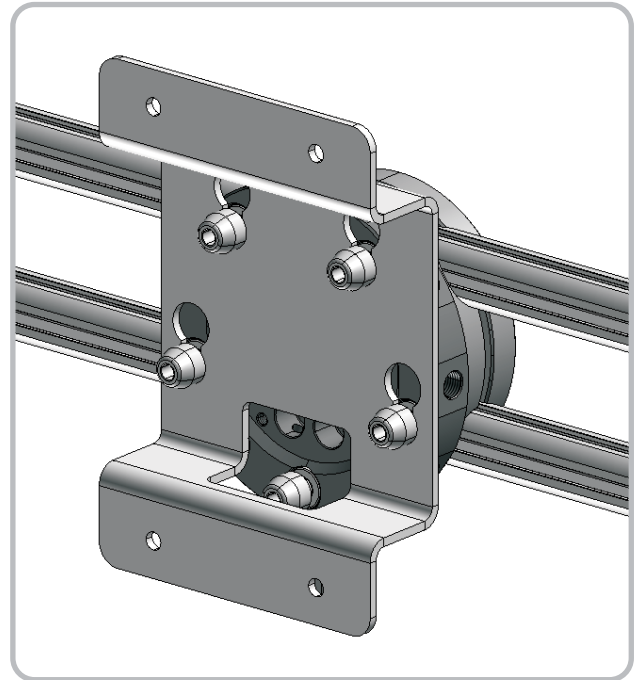
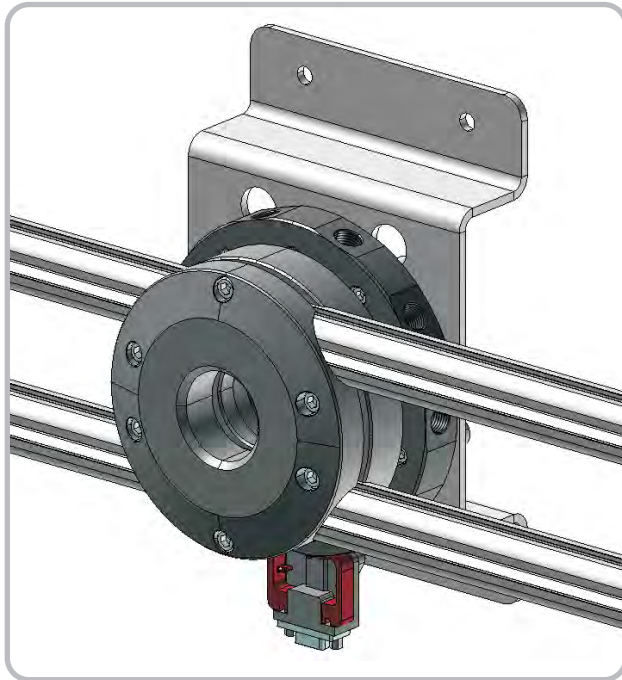


Dimensioni (mm) / Dimensions (mm)



Magazzino per EOAT
QC150-H (da usare con QC150-B)

EOAT Storage
QC150-H (to be used with QC150-B)



Dimensioni (mm) / Dimensions (mm)

FIRST ANGLE PROJECTION

