

CO LINE



Multiple Connectors

The multiple connector is a device made of a fixed part connected to the control device of pneumatic powered machines and a mobile part, assembled to the air distribution equipment. The big advantage offered by the multiple connector is that a bundle of hoses, varying from min 4 to max 24 tubes, can be rapidly and safely connected and disconnected. Our multiple connector is manufactured in such a way that the reverse assembly of the two parts is not possible. This range offers two options: one with rigid shell (CO-A), available in different sizes and the one as a bulkhead connection (CO-B).

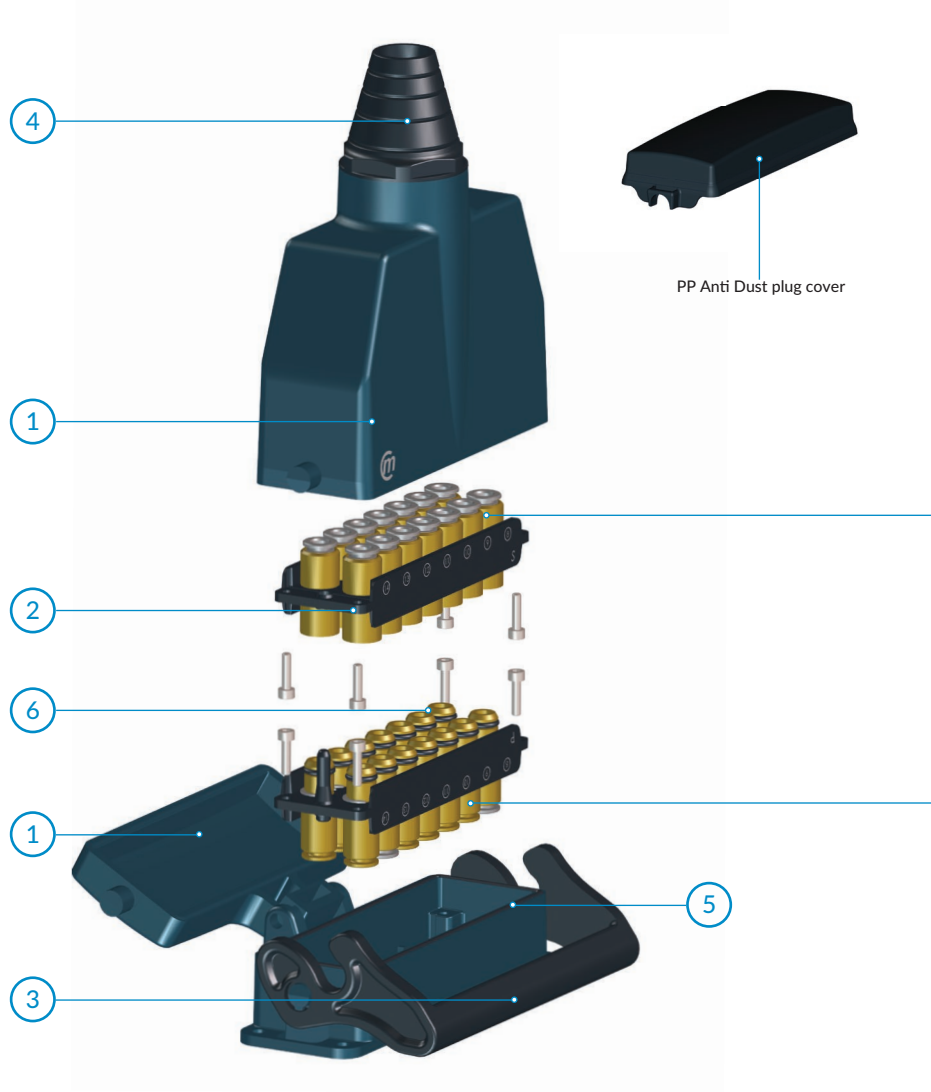
CO A

Multiple connectors, rigid shell

- 1 Multiple connector sheath
PARA (Ixef® 1022)
- 2 Couplings support
PARA (Ixef® 1023)
- 3 Lever
PARA (Ixef® 1022)
- 4 Tubing guide
PA6
- 5 Seals
NBR
- 6 Push-in fittings
MA push-in fittings

 -4° ÷ 158°F
  A013 Max 101 PSI
  A113 ÷ A313 Max 218 PSI
  -29 Hg

 SILICONE FREE
  RoHS
  REACH



STANDARD SYSTEM:

The Multiple connector is available for each Shell Size with a predetermined number of connections; this solution is created to maximize the number of possible outlets with the same tube diameter.

Recommended tubings:
PA11, PA12, PA6, Polyethylene PE,
Polyurethane PU (98 Shore A)

Application fields:
Pneumatic circuits

CO A - STANDARD


STANDARD SYSTEM

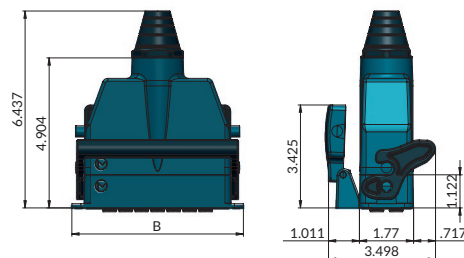
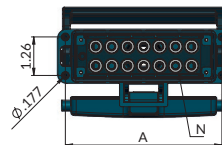
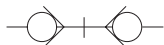
SIZE 0

CO
LINE

A013


Multiple connector, complete

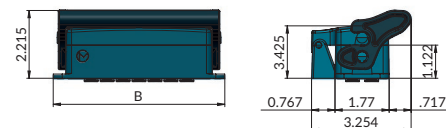
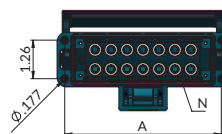
Type	OD1	A	B	N	oz 
A013 06 06 Completo	6	3.248	3.740	6	22.752
A013 08 04 Completo	8	3.248	3.740	4	20.953



A013


Socket with cover

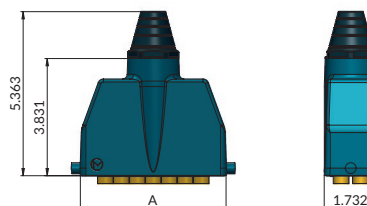
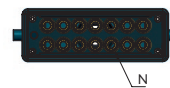
Type	OD1	A	B	N	oz 
A013 06 06 Presa+coperchio	6	3.248	3.740	6	10.054
A013 08 04 Presa+coperchio	8	3.248	3.740	4	9.595



A013

Plug

Type	OD1	A	N	oz 
A013 06 06 Spina	6	2.874	6	12.840
A013 08 04 Spina	8	2.874	4	11.641



CO 67

MA 31

MM 115

PA 49

PE 45

PM 111

PN 19

PT 121

PU 55

PU Safety 59

PUX 101

PV 81

PVX 105

PX 95

Tool 129

Tubings 135

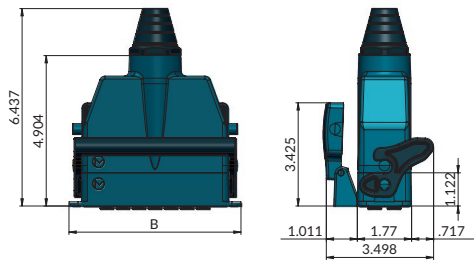
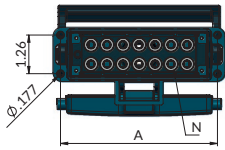
CO A - STANDARD

STANDARD SYSTEM

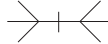
SIZE 1

A113

Multiple connector, complete

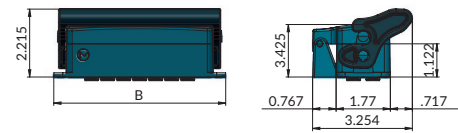
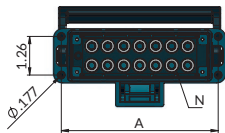


Type	OD1	A	B	N	oz
A113 04 12 Completo	4	4.055	4.547	12	21.588
A113 06 10 Completo	6	4.055	4.547	10	25.345
A113 08 08 Completo	8	4.055	4.547	8	23.140



A113

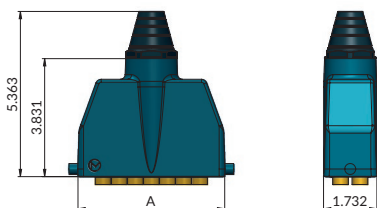
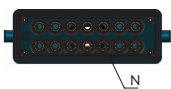
Socket with cover



Type	OD1	A	B	N	oz
A113 04 12 Presa+coperchio	4	4.055	4.547	12	10.653
A113 06 10 Presa+coperchio	6	4.055	4.547	10	12.064
A113 08 08 Presa+coperchio	8	4.055	4.547	8	10.900

A113

Plug



Type	OD1	A	N°	oz
A113 04 12 Spina	4	3.701	12	11.218
A113 06 10 Spina	6	3.701	10	11.958
A113 08 08 Spina	8	3.701	8	12.523

CO A - STANDARD

STANDARD SYSTEM

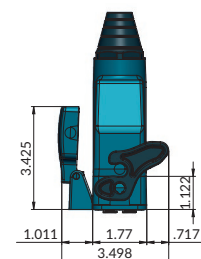
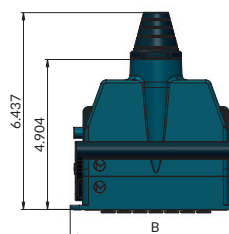
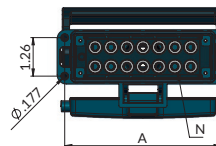
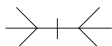
SIZE 2

CO
LINE

A213

Multiple connector, complete

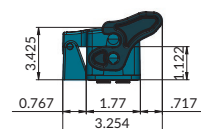
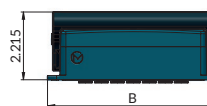
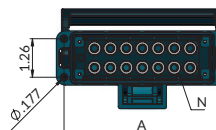
Type	OD1	A	B	N	oz \triangle
A213 04 20 Completo	4	5.118	5.610	20	29.207
A213 06 14 Completo	6	5.118	5.610	14	32.558
A213 08 10 Completo	8	5.118	5.610	10	28.255



A213

Socket with cover

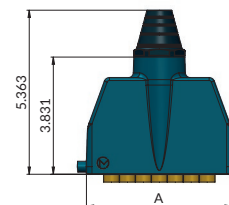
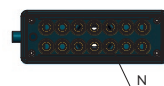
Type	OD1	A	B	N	oz \triangle
A213 04 20 Presa+coperchio	4	5.118	5.610	20	14.498
A213 06 14 Presa+coperchio	6	5.118	5.610	14	15.380
A213 08 10 Presa+coperchio	8	5.118	5.610	10	13.017



A213

Plug

Type	OD1	A	N	oz \triangle
A213 04 20 Spina	4	4.764	20	14.992
A213 06 14 Spina	6	4.764	14	17.461
A213 08 10 Spina	8	4.764	10	15.239



CO 67

MA 31

MM 115

PA 49

PE 45

PM 111

PN 19

PT 121

PU 55

PU Safety 59

PUX 101

PV 81

PVX 105

PX 95

Tool 129

Tubings 135

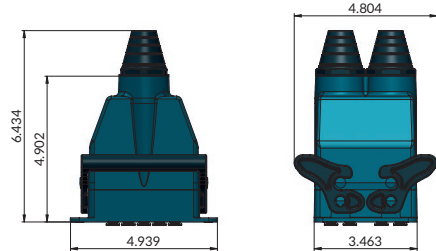
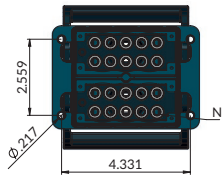
CO A - STANDARD

STANDARD SYSTEM

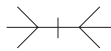
SIZE 3

A313

Multiple connector, complete

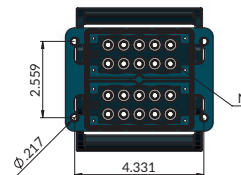


Type	OD1	N	oz
A313 04 24 Completo	4	24	38.908
A313 06 20 Completo	6	20	46.541
A313 08 16 Completo	8	16	39.208



A313

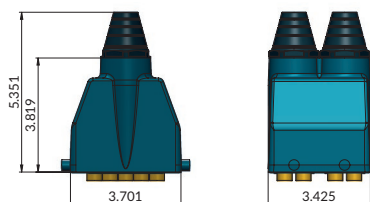
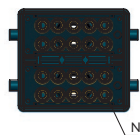
Socket



Type	OD1	N	oz
A313 04 24 Presa	4	24	18.598
A313 06 20 Presa	6	20	21.377
A313 08 16 Presa	8	16	19.084

A313

Plug



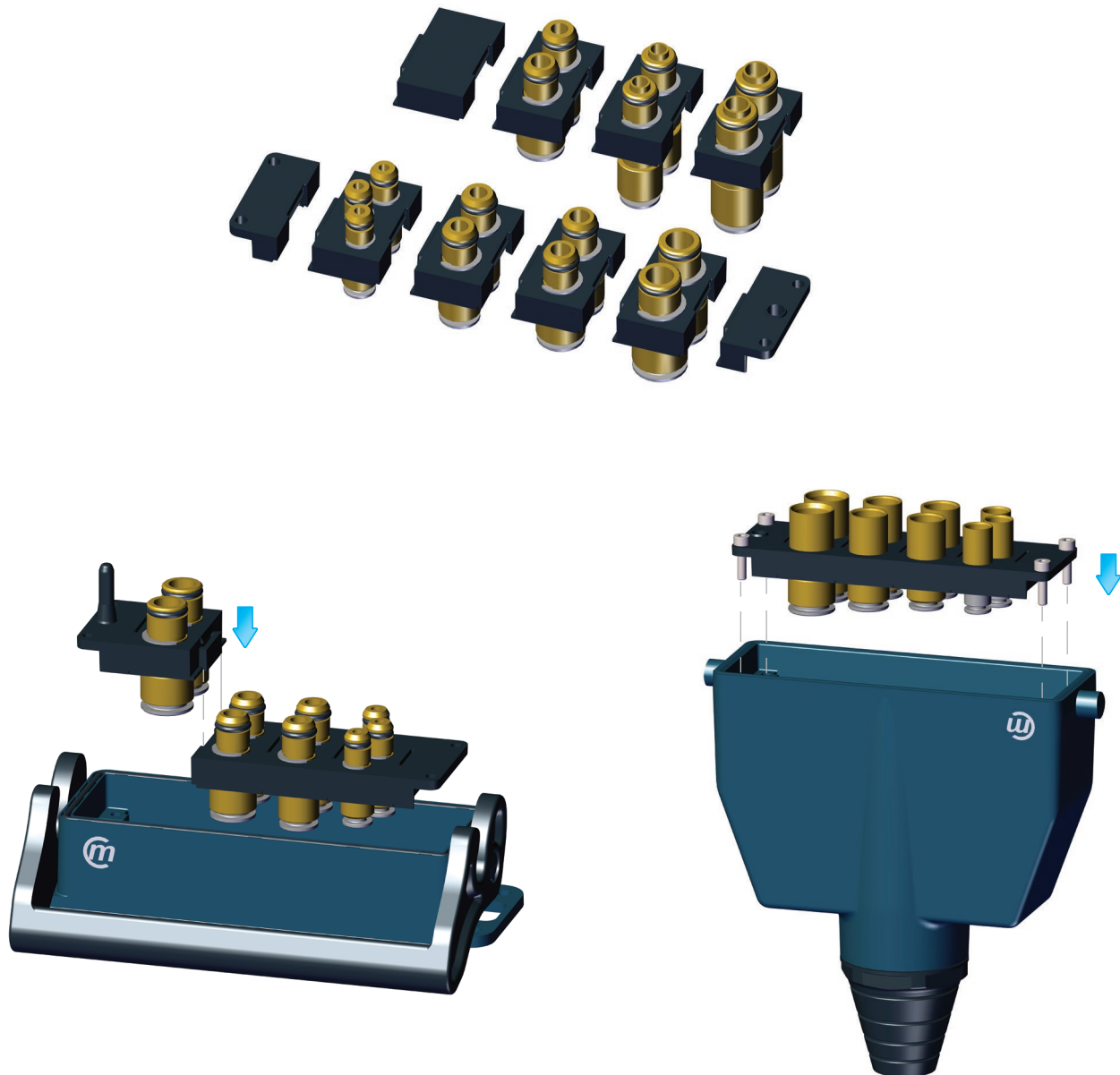
Type	OD1	N	oz
A313 04 24 Spina	4	24	20.396
A313 06 20 Spina	6	20	25.243
A313 08 16 Spina	8	16	22.770

CO A - MOD

MODULAR SYSTEM

This solution is offering the user the opportunity to configure the multiple connector such as the tube diameter, the number of outlets and the layout of the same according to his needs. The user can choose the following number of modules based on the size of the multiple connector shell.

Size 1	Size 2	Size 3
3 Modules + End plate	4 Modules + End Plate	6 Modules + End Plate

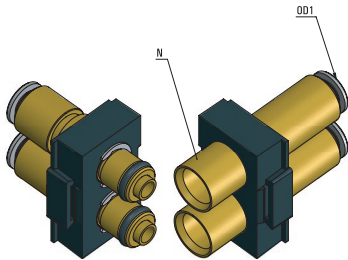


CO A - MOD

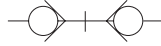
MODULAR SYSTEM

MOD 2

Push-in fittings module

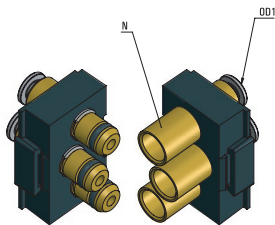


Type	OD1	N	oz Δ
6	6	2	3.951
8	8	2	4.868

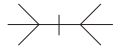


MOD 1

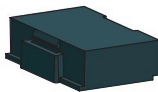
Push-in fittings module



Type	OD1	OD2	N	oz Δ
4	4	-	3	2.209
6	6	-	2	2.593
6-8	6	8	2	2.604
8	8	-	2	2.600
10	10	-	2	2.914

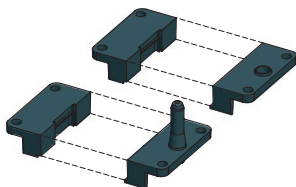


Blind module



Type	oz Δ
Tappo	.173

End plate




Type	oz Δ
Size 1	.671
Size 2	.494
Size 3	.812

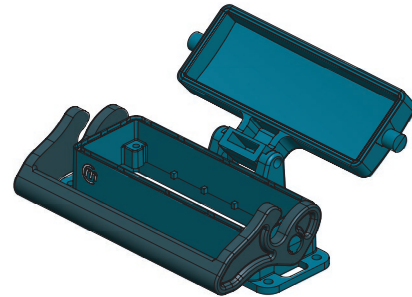
CO A - MOD

MODULAR SYSTEM


CO
LINE

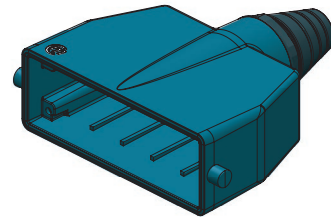
Socket shell

Type	oz 
Size 1	5.457
Size 2	6.350
Size 3	8.395



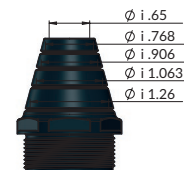
Plug shell

Type	oz 
Size 1	6.921
Size 2	7.972
Size 3	12.135




Tubing guide

Type	oz 
GUIDATUBO Øi 32+16,5mm	.515



Anti dust plug cover

Type	L1	L2	L3	oz 
A013 Coperchio x spina	2.992	1.850	.689	.353
A113 Coperchio x spina	3.819	1.850	.689	.424
A213 Coperchio x spina	4.882	1.850	.689	.530
A313 Coperchio x spina	3.819	3.465	.689	.739



CO 67

MA 31

MM 115

PA 49

PE 45

PM 111

PN 19

PT 121

PU 55

PU Safety 59

PUX 101

PV 81

PVX 105

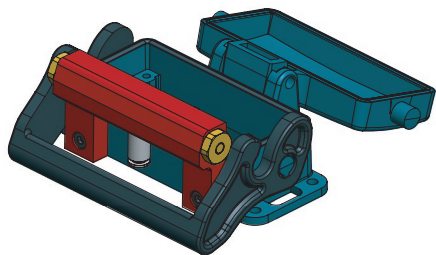
PX 95

Tool 129

Tubings 135

A113 / A213

Push-in fittings module



Type	oz
A113 04 12 Presa+coperchio+blocco	-
A113 06 10 Presa+coperchio+blocco	15.062
A113 08 08 Presa+coperchio+blocco	-
A213 04 20 Presa+coperchio+blocco	-
A213 06 14 Presa+coperchio+blocco	-
A213 08 10 Presa+coperchio+blocco	16.629

The Anti-release body is made of Anodized Aluminium Al6082



Fig. 1

P > 29 PSI



Fig. 2



The Multiple connector socket equipped with the anti-release accessory prevents accidental disconnections of the connector if still pressurized. To operate the anti-release safety device (Fig. 1), it is necessary to power the safety device from the main line once the plug has been connected to the socket. Before disconnecting the plug from the socket (Fig. 2) turn off the power supply of the safety device.

CO B

Bulkhead/in line multiple connectors

- 1 Counternut
POM
- 2 Sleeve
POM
- 3 Plug
Anodized aluminium Al2011
- 4 Socket
Anodized aluminium Al2011
- 5 Screw
Steel
- 6 Pin
Brass UNI EN12164 CW614N



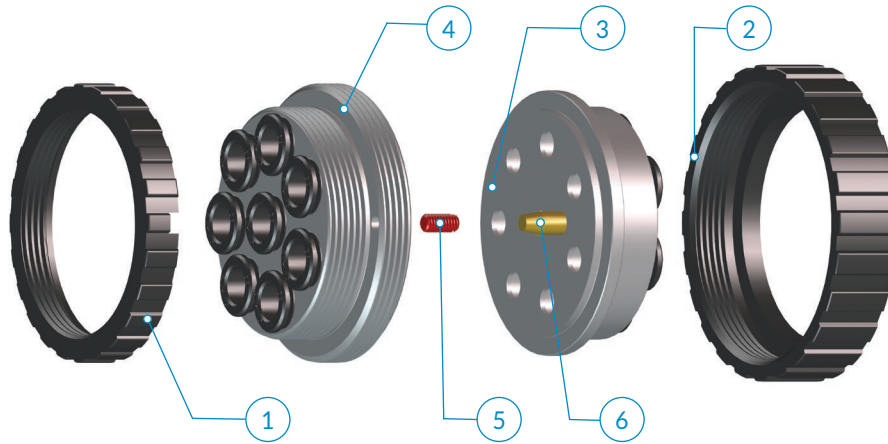
-4° ÷ 158°F



0 ÷ 145 PSI



-29 Hg



The screw (5) shown in red is for demonstration purposes only - the actual part is black.

Recommended tubings:
PA11, PA12, PA6, Polyethylene PE,
Polyurethane PU (98 Shore A)

Application fields:
Pneumatic circuits

PANEL MOUNTING

Loosen counter nut (1) from the multiple connector socket; tighten the screw (2) to let it stick out as much as the wall thickness (Fig.2). Place the socket in the wall hole and allow for the screw to fit into the seat drilled through in the wall (Fig.1). Tighten the counter nut 1 on socket body until bottoms (Fig.3).

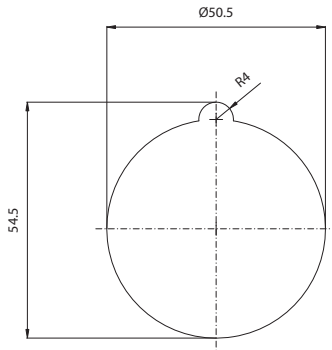


Fig. 1

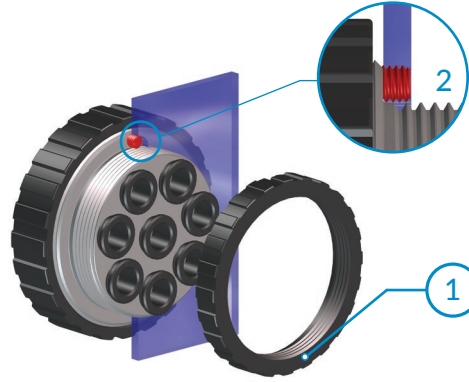


Fig. 2



Fig. 3

USO "VOLANTE" DEL CONNETTORE

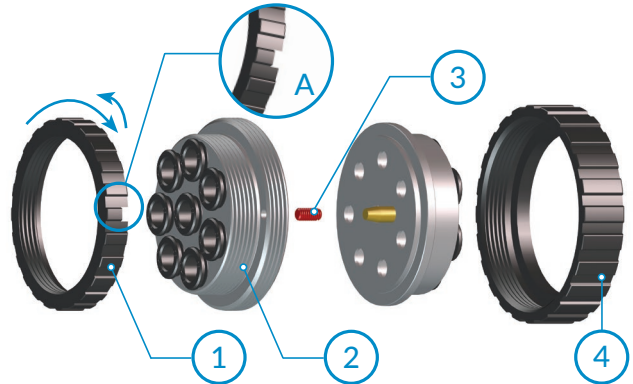
FLOOR MOUNTING

MONTAGE VOLANT

BODENMONTAGE

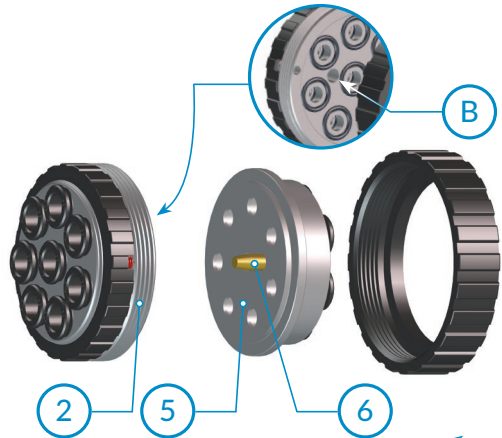
1

Tighten counter nut (1) onto the socket (2) until it bottoms, then loosen it a bit to align the seat (A) with the securing screw (3). Tighten the screw (3) all the way into its seat (A) in the counter nut (1). At this stage the counter nut (1) can no longer rotate and it will help to tighten or to loose the sleeve (4).



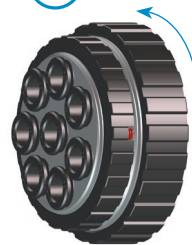
2

Assemble the connector plug (5) with the socket (2) making sure that the pin (6) fits into the related housing (B).




3

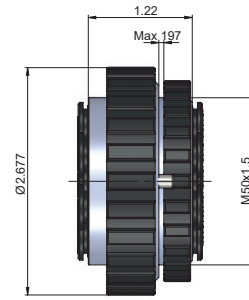
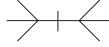
Tighten the sleeve (4) until it bottoms.



B113


Multiple connector, complete

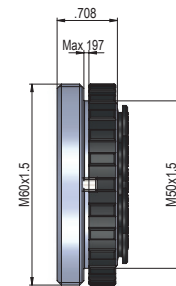
Type	OD1	N	oz 
B113 04 12 Completo	4	12	7.103
B113 06 10 Completo	6	10	6.493
B113 08 08 Completo	8	8	6.160



B113


Socket

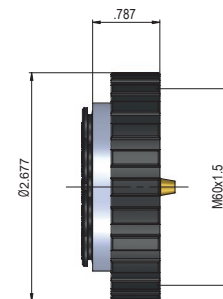
Type	OD1	N	oz 
B113 04 12 Presa	4	12	3.634
B113 06 10 Presa	6	10	3.334
B113 08 08 Presa	8	8	3.171



B113

Plug

Type	OD1	N	oz 
B113 04 12 Spina	4	12	3.591
B113 06 10 Spina	6	10	3.291
B113 08 08 Spina	4	8	3.143



CO 67

MA 31

MM 115

PA 49

PE 45

PM 111

PN 19

PT 121

PU 55

PU Safety 59

PUX 101

PV 81

PVX 105

PX 95

Tool 129

Tubings 135



cmatic