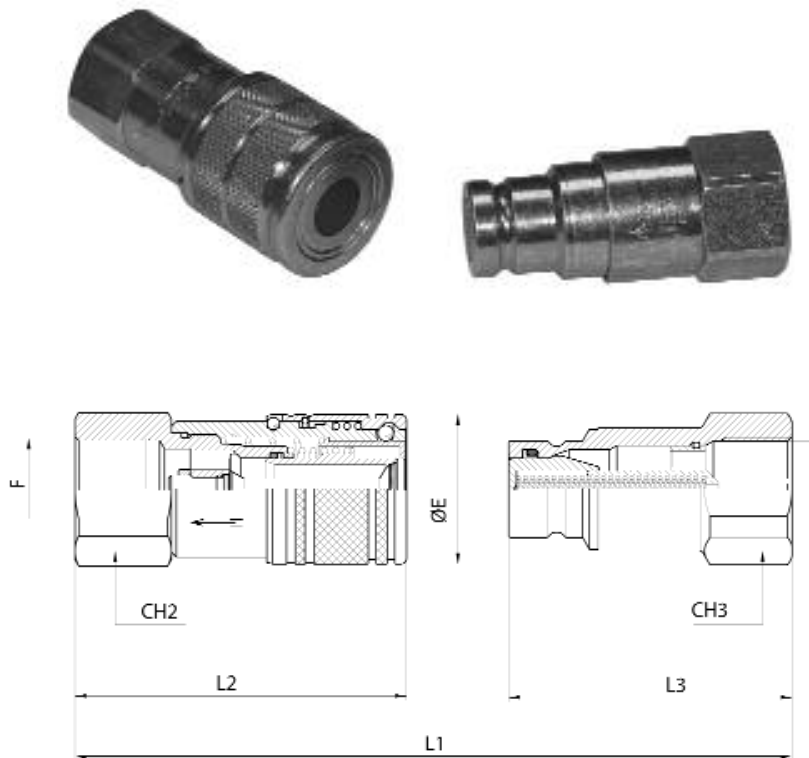


# Flat Face Couplings - CAM FF(F/M) Series

ISO 16028



## Technical Data

### Characteristics:

Flat mating surfaces easily wiped clean to prevent contamination and spillage during connection / disconnection. Connection is made by pushing the male coupling and disconnection by pulling back the sleeve of the female. Positive, quick connection of the male into the female by the latching ball system. Shut-off by flat valve.

### Threads:

BSP  
NPT on request

### Material:

Female and male coupling in steel, with some stressed tempered or carbonitrided areas. Springs in AISI and C98 steel, seals in polyurethane and NBR. Other materials (VITON, EPDM or any others) on request.

### Operating and Burst Pressures:

See table below.

### Working Temperature:

-30°C up to +110°C

(for other temperatures the coupling is assembled with the specified seals)

### Special Requests:

For assistance, contact our technical office or your local Camozzi distributor.

HYDRAULIC COUPLINGS

| Size | ISO  | Dimensions |     |    | Thread Size | Carrier Half Part Number | Probe Half Part Number |     |              |              |
|------|------|------------|-----|----|-------------|--------------------------|------------------------|-----|--------------|--------------|
|      |      | CH2        | CH3 | ØE |             |                          |                        |     |              |              |
| 1/4  | 6.3  | 24         | 22  | 28 | 104.6       | 63.6                     | 52.1                   | 1/4 | CAM FFF 0404 | CAM FFM 0404 |
| 3/8  | 10   | 27         | 27  | 32 | 121.5       | 74.9                     | 62.5                   | 3/8 | CAM FFF 0606 | CAM FFM 0606 |
| 3/8  | 10   | 27         | 27  | 32 | 127.5       | 77.9                     | 65.5                   | 1/2 | CAM FFF 0608 | CAM FFM 0608 |
| 1/2  | 12.5 | 34         | 34  | 38 | 144.1       | 86.7                     | 74.5                   | 3/4 | CAM FFF 0812 | CAM FFM 0812 |
| 3/4  | 19   | 41         | 41  | 48 | 178.7       | 108.9                    | 91.5                   | 1   | CAM FFF 1216 | CAM FFM 1216 |

| Body Size | ISO  | Working Pressure Dynamic (bar) | Rated Flow at 2 bar of pressure drop (L/min) | Thread Size | Min. Burst Pressure |              |               | Fluid Spillage (cc) |
|-----------|------|--------------------------------|--|-------------|---------------------|--------------|---------------|---------------------|
|           |      |                                |  |             | Male (bar)          | Female (bar) | Coupled (bar) |                     |
| 1/4       | 6.3  | 320                            | 15   | 1/4         | 1600                | 1400         | 1500          | 0.005               |
| 3/8       | 10   | 250                            | 53   | 3/8         | 1350                | 1250         | 1500          | 0.007               |
| 3/8       | 10   | 250                            | 53   | 1/2         | 1350                | 1250         | 1500          | 0.007               |
| 1/2       | 12.5 | 250                            | 98   | 3/4         | 1050                | 1100         | 1400          | 0.008               |
| 3/4       | 19   | 250                            | 174  | 1           | 1050                | 1000         | 1200          | 0.009               |