





# RACCORDI A COMPRESSIONE

COMPRESSION FITTINGS

Compression fittings are so defined because the tube closing on the fitting is made by a cutting compression ogive which holds on the tube.

Compression fittings are suitable for the assembly of rigid tubes (copper, brass,...); for possible use of “plastic” tubes a special stiffener (cod. IR100) is necessary to be inserted in the tube until the suitable support.

All fittings belonging to this category have been planned according to DIN rules which control the product.

In our range of products there are two series of compressed fittings which differ from each other for the following features: “Series 1” is nickel plated equipped with ogive with simple section; every threading is provided of thin pitch (also for the Ø higher than 8); the “series 5” is raw brass with biconical ogive and, for higher Ø than 8, the threading is metric.



|                 |                                                                                                                                    |                                                   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Standard supply | Ø Tube from 4 to 15mm<br>Thread from 1/8 to 1/2"                                                                                   |                                                   |
| Material        | Body and nut in nickel plated brass<br>Nbr seal (Viton upon request)                                                               |                                                   |
| Pressure        | Ø 4 Max 130 bar<br>Ø 6 Max 180 bar<br>Ø 8 Max 150 bar<br>Ø 10 Max 110 bar<br>Ø 12 Max 75 bar<br>Ø 14 Max 70 bar<br>Ø 15 Max 70 bar |                                                   |
| Use temperature | -15°C +80°C                                                                                                                        |                                                   |
| Thread          | Taper gas<br>Parallel gas<br>Metric                                                                                                | Iso 7.1 Din 2999<br>Iso 228 classe A<br>Iso R/262 |
| Use             | Compressed air - Water - Oil                                                                                                       |                                                   |
| Tube            | Copper - Brass - Steel - Aluminium<br>PA6 - PA11-PA12 only with suitable support IR100                                             |                                                   |
| Options         | V (See pag. 3)                                                                                                                     |                                                   |



I raccordi a compressione vengono così definiti in quanto il serraggio del tubo sul raccordo avviene mediante la compressione di un'ogiva tagliente che va ad aggrapparsi al tubo stesso.

I raccordi a compressione sono adatti negli assemblaggi di tubi rigidi (rame, ottone, ecc.); per eventuali utilizzi di tubi "plastici" è necessario utilizzare un apposito rinforzo (cod. IR100) che va inserito all'interno del tubo fino all'apposita battuta di appoggio.

Tutti i raccordi appartenenti a questa categoria sono stati progettati seguendo le norme DIN che regolamentano il prodotto.

Nella nostra gamma esistono due serie di raccordi a compressione che differiscono per le seguenti caratteristiche: la "Serie 1" è nichelata di serie e dotata di ogiva con profilo semplice; le filettature sono tutte a passo fine (anche per i Ø superiori a 8); la "Serie 5" è grezza di serie, con ogiva bicono e, per i Ø superiori a 8, la filettatura è metrica.

Ø Tubo da 4 a 15  
filetto da 1/8 a 1/2

**Disponibilità standard**

Corpo e Dado in Ottone Nichelato  
Guarnizione in Nbr (Viton su richiesta)

**Materiali**

Ø 4 Max 130 bar  
Ø 6 Max 180 bar  
Ø 8 Max 150 bar  
Ø 10 Max 110 bar  
Ø 12 Max 75 bar  
Ø 14 Max 70 bar  
Ø 15 Max 70 bar

**Pressione**

-15°C +80°C

**Temperatura di utilizzo**

Gas Coniche      Iso 7.1 Din 2999  
Gas Cilindriche    Iso 228 classe A  
Metriche          Iso R/262

**Filettature**

Aria Compressa - Acqua - Olio

**Impiego**

Rame - Ottone - Acciaio - Alluminio  
PA6 - PA11 - PA12 solo con apposito rinforzo IR100  
V (Vedi pag. 3)

**Tubazioni**

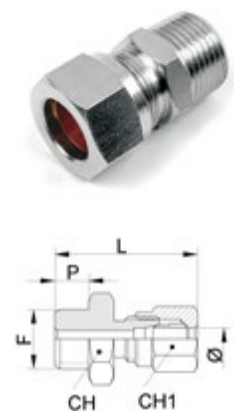
**Opzioni**

## Raccordo diritto maschio conico Straight male adapter (taper)



| Code       | Ø  | F   | P    | L    | CH | CH1 | Gr   |
|------------|----|-----|------|------|----|-----|------|
| D105184NI  | 4  | 1/8 | 8,0  | 27,5 | 12 | 10  | 14,0 |
| D105144NI  | 4  | 1/4 | 11,0 | 30,5 | 14 | 10  | 18,0 |
| D105185NI  | 5  | 1/8 | 8,0  | 27,5 | 12 | 10  | 14,0 |
| D105186NI  | 6  | 1/8 | 8,0  | 27,5 | 12 | 12  | 15,0 |
| D105146NI  | 6  | 1/4 | 11,0 | 31,5 | 14 | 12  | 24,5 |
| D105386NI  | 6  | 3/8 | 11,0 | 31,5 | 17 | 12  | 34,5 |
| D105126NI  | 6  | 1/2 | 14,0 | 34,0 | 22 | 12  | 60,5 |
| D105187NI  | 7  | 1/8 | 8,0  | 30,0 | 12 | 14  | 17,0 |
| D105188NI  | 8  | 1/8 | 8,0  | 31,0 | 12 | 14  | 19,0 |
| D105148NI  | 8  | 1/4 | 11,0 | 33,0 | 14 | 14  | 26,0 |
| D105388NI  | 8  | 3/8 | 11,0 | 34,0 | 17 | 14  | 38,0 |
| D1051410NI | 10 | 1/4 | 11,0 | 33,0 | 14 | 17  | 28,5 |
| D1053810NI | 10 | 3/8 | 11,0 | 33,5 | 17 | 17  | 39,5 |
| D1051210NI | 10 | 1/2 | 14,0 | 36,5 | 22 | 17  | 64,0 |
| D1051412NI | 12 | 1/4 | 11,0 | 33,0 | 17 | 19  | 34,0 |
| D1053812NI | 12 | 3/8 | 11,0 | 33,5 | 17 | 19  | 42,0 |
| D1051212NI | 12 | 1/2 | 14,0 | 36,5 | 22 | 19  | 54,5 |
| D1051214NI | 14 | 1/2 | 14,0 | 40,0 | 22 | 22  | 72,0 |
| D1051215NI | 15 | 1/2 | 14,0 | 42,5 | 22 | 27  | 81,0 |

## Raccordo diritto maschio cilindrico Straight male adapter (parallel)

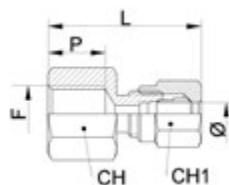


| Code         | Ø  | F   | P   | L    | CH | CH1 | Gr   |
|--------------|----|-----|-----|------|----|-----|------|
| D1053184NI   | 4  | 1/8 | 6,0 | 25,5 | 14 | 10  | 15,0 |
| D1053186NI   | 6  | 1/8 | 6,0 | 25,5 | 14 | 12  | 17,0 |
| D1053146NI   | 6  | 1/4 | 8,0 | 28,5 | 17 | 12  | 23,8 |
| D1053386NI   | 6  | 3/8 | 9,0 | 29,5 | 19 | 12  | 33,0 |
| D1053188NI   | 8  | 1/8 | 6,0 | 29,0 | 14 | 14  | 20,0 |
| D1053148NI   | 8  | 1/4 | 8,0 | 30,0 | 17 | 14  | 25,8 |
| D1053388NI   | 8  | 3/8 | 9,0 | 31,0 | 19 | 14  | 36,0 |
| D105331410NI | 10 | 1/4 | 8,0 | 30,0 | 17 | 17  | 29,6 |
| D10533810NI  | 10 | 3/8 | 9,0 | 31,5 | 19 | 17  | 38,8 |

## Raccordo diritto femmina

### Straight female adapter

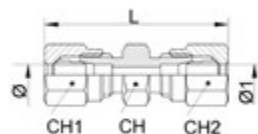
| Code       | Ø  | F   | P    | L    | CH | CH1 | Gr   |
|------------|----|-----|------|------|----|-----|------|
| D106184NI  | 4  | 1/8 | 8,0  | 27,0 | 14 | 10  | 17,0 |
| D106186NI  | 6  | 1/8 | 8,0  | 28,0 | 14 | 12  | 21,0 |
| D106146NI  | 6  | 1/4 | 10,0 | 31,0 | 17 | 12  | 23,5 |
| D106188NI  | 8  | 1/8 | 8,0  | 29,5 | 14 | 14  | 23,0 |
| D106148NI  | 8  | 1/4 | 10,0 | 32,5 | 17 | 14  | 23,0 |
| D106388NI  | 8  | 3/8 | 11,0 | 34,5 | 20 | 14  | 22,5 |
| D1061410NI | 10 | 1/4 | 10,0 | 32,0 | 17 | 17  | 34,5 |
| D1063810NI | 10 | 3/8 | 11,0 | 36,5 | 20 | 19  | 40,0 |
| D1061210NI | 10 | 1/2 | 14,0 | 35,0 | 24 | 17  | 37,0 |



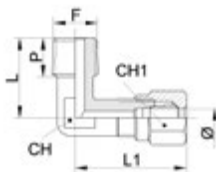
## Raccordo diritto intermedio

### Straight connector

| Code        | Ø  | Ø1 | L    | CH | CH1 | CH2 | Gr    |
|-------------|----|----|------|----|-----|-----|-------|
| DD1254NI    | 4  | 4  | 35,0 | 10 | 10  | -   | 16,0  |
| DD1256NI    | 6  | 6  | 37,0 | 12 | 12  | -   | 23,0  |
| DD1258NI    | 8  | 8  | 40,0 | 14 | 14  | -   | 29,0  |
| DD12510NI   | 10 | 10 | 42,0 | 17 | 17  | -   | 45,5  |
| DD12512NI   | 12 | 12 | 42,0 | 19 | 19  | -   | 54,0  |
| DD12514NI   | 14 | 14 | 47,0 | 22 | 22  | -   | 81,0  |
| DD12515NI   | 15 | 15 | 49,0 | 24 | 24  | -   | 101,0 |
| DD1256486NI | 6  | 8  | 38,5 | 14 | 12  | 14  | 28,0  |

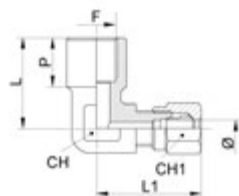


## Raccordo a L maschio conico Elbow male adapter (taper)



| Code       | Ø  | F   | P    | L    | L1   | CH | CH1 | Gr   |
|------------|----|-----|------|------|------|----|-----|------|
| L102184NI  | 4  | 1/8 | 8,0  | 18,0 | 24,0 | 9  | 10  | 15,6 |
| L102144NI  | 4  | 1/4 | 11,0 | 20,0 | 23,5 | 10 | 10  | 24,6 |
| L102186NI  | 6  | 1/8 | 8,5  | 17,0 | 24,5 | 9  | 13  | 22,4 |
| L102146NI  | 6  | 1/4 | 11,0 | 20,0 | 24,0 | 10 | 12  | 28,4 |
| L102188NI  | 8  | 1/8 | 8,0  | 18,0 | 25,5 | 10 | 14  | 24,6 |
| L102148NI  | 8  | 1/4 | 11,0 | 21,0 | 29,0 | 10 | 14  | 28,4 |
| L102388NI  | 8  | 3/8 | 11,0 | 26,5 | 32,5 | 14 | 14  | 46,4 |
| L102128NI  | 8  | 1/2 | 14,0 | 30,0 | 34,0 | 17 | 14  | 65,0 |
| L1021810NI | 10 | 1/8 | 8,0  | 21,5 | 25,0 | 10 | 17  | 32,2 |
| L1021410NI | 10 | 1/4 | 11,0 | 25,0 | 29,5 | 14 | 17  | 46,8 |
| L1023810NI | 10 | 3/8 | 11,0 | 26,5 | 32,0 | 14 | 17  | 50,2 |
| L1021210NI | 10 | 1/2 | 14,0 | 30,0 | 33,0 | 17 | 17  | 67,6 |
| L1021412NI | 12 | 1/4 | 11,0 | 26,5 | 33,0 | 14 | 19  | 49,0 |
| L1023812NI | 12 | 3/8 | 11,0 | 26,5 | 33,0 | 14 | 19  | 54,2 |
| L1021212NI | 12 | 1/2 | 14,0 | 30,0 | 33,0 | 17 | 19  | 75,4 |
| L1023814NI | 14 | 3/8 | 11,0 | 26,5 | 39,0 | 17 | 22  | 70,6 |
| L1021214NI | 14 | 1/2 | 14,0 | 30,0 | 39,0 | 17 | 22  | 87,2 |
| L1021215NI | 15 | 1/2 | 14,0 | 30,0 | 37,0 | 17 | 24  | 86,8 |

## Raccordo a L femmina Elbow female adapter

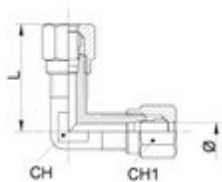


| Code       | Ø  | F   | P    | L    | L1   | CH | CH1 | Gr    |
|------------|----|-----|------|------|------|----|-----|-------|
| L109184NI  | 4  | 1/8 | 8,0  | 20,5 | 25,0 | 10 | 10  | 25,4  |
| L109186NI  | 6  | 1/8 | 8,0  | 20,5 | 25,0 | 10 | 12  | 28,6  |
| L109146NI  | 6  | 1/4 | 10,0 | 23,5 | 25,0 | 11 | 12  | 30,4  |
| L109188NI  | 8  | 1/8 | 8,0  | 21,5 | 27,0 | 10 | 14  | 28,4  |
| L109148NI  | 8  | 1/4 | 10,0 | 23,5 | 27,0 | 11 | 14  | 33,0  |
| L1091410NI | 10 | 1/4 | 10,0 | 27,5 | 31,0 | 14 | 17  | 50,8  |
| L1091210NI | 10 | 1/2 | 12,0 | 34,0 | 51,5 | 22 | 17  | 124,8 |

## Raccordo a L intermedio

### Elbow connector

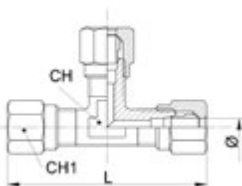
| Code     | Ø  | L    | CH | CH1 | Gr   |
|----------|----|------|----|-----|------|
| L1224NI  | 4  | 27,0 | 9  | 10  | 19,0 |
| L1226NI  | 6  | 24,5 | 9  | 13  | 31,5 |
| L1228NI  | 8  | 28,5 | 10 | 14  | 35,5 |
| L12210NI | 10 | 32,0 | 14 | 17  | 57,0 |
| L12212NI | 12 | 35,0 | 13 | 19  | 69,0 |
| L12214NI | 14 | 39,0 | 17 | 22  | 99,5 |



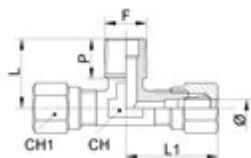
## Raccordo a T intermedio

### Tee connector

| Code      | Ø  | L    | CH | CH1 | Gr    |
|-----------|----|------|----|-----|-------|
| TT1214NI  | 4  | 42,0 | 9  | 10  | 23,5  |
| TT1216NI  | 6  | 46,0 | 9  | 12  | 33,0  |
| TT1218NI  | 8  | 54,0 | 12 | 14  | 50,0  |
| TT12110NI | 10 | 60,0 | 12 | 17  | 68,0  |
| TT12112NI | 12 | 68,0 | 13 | 19  | 96,0  |
| TT12115NI | 15 | 74,5 | 17 | 24  | 157,0 |

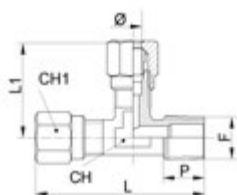


## Raccordo a T maschio centrale conico Tee male adapter - centre leg (taper)



| Code        | Ø  | F   | P    | L    | L1   | CH | CH1 | Gr    |
|-------------|----|-----|------|------|------|----|-----|-------|
| TC100184NI  | 4  | 1/8 | 8,0  | 16,0 | 21,5 | 9  | 10  | 22,0  |
| TC100186NI  | 6  | 1/8 | 8,0  | 16,0 | 23,0 | 9  | 12  | 27,0  |
| TC100146NI  | 6  | 1/4 | 11,0 | 20,0 | 25,0 | 10 | 12  | 35,0  |
| TC100188NI  | 8  | 1/8 | 8,0  | 20,5 | 26,5 | 12 | 14  | 37,0  |
| TC100148NI  | 8  | 1/4 | 11,0 | 20,5 | 27,0 | 10 | 14  | 43,0  |
| TC100388NI  | 8  | 3/8 | 11,0 | 24,0 | 31,0 | 13 | 14  | 59,5  |
| TC1001410NI | 10 | 1/4 | 11,0 | 23,0 | 30,0 | 12 | 17  | 58,0  |
| TC1003810NI | 10 | 3/8 | 11,0 | 26,0 | 34,0 | 13 | 17  | 70,5  |
| TC1001210NI | 10 | 1/2 | 14,0 | 28,0 | 36,0 | 17 | 17  | 104,2 |
| TC1001412NI | 12 | 1/4 | 11,0 | 26,0 | 34,0 | 13 | 19  | 75,3  |
| TC1003812NI | 12 | 3/8 | 11,0 | 26,0 | 34,0 | 13 | 19  | 81,0  |
| TC1001212NI | 12 | 1/2 | 14,0 | 28,0 | 36,0 | 17 | 19  | 80,5  |
| TC1001215NI | 15 | 1/2 | 14,0 | 28,0 | 38,0 | 17 | 24  | 130,8 |

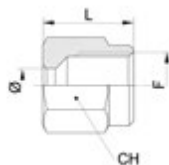
## Raccordo a T maschio laterale conico Tee male adapter - offset leg (taper)



| Code        | Ø  | F   | P    | L    | L1   | CH   | CH1  | Gr    |
|-------------|----|-----|------|------|------|------|------|-------|
| TL101184NI  | 4  | 1/8 | 8,0  | 38,5 | 22,5 | 9,0  | 10,0 | 22,0  |
| TL101186NI  | 6  | 1/8 | 8,0  | 39,5 | 23,5 | 9,0  | 12,0 | 27,0  |
| TL101146NI  | 6  | 1/4 | 11,0 | 45,0 | 25,0 | 10,0 | 12,0 | 35,0  |
| TL101188NI  | 8  | 1/8 | 8,0  | 46,5 | 26,5 | 12,0 | 14,0 | 37,0  |
| TL101148NI  | 8  | 1/4 | 11,0 | 47,5 | 28,0 | 10,0 | 14,0 | 43,0  |
| TL101388NI  | 8  | 3/8 | 11,0 | 58,5 | 34,5 | 13,0 | 14,0 | 59,5  |
| TL1011410NI | 10 | 1/4 | 11,0 | 53,0 | 30,0 | 12,0 | 17,0 | 58,0  |
| TL1013810NI | 10 | 3/8 | 11,0 | 60,0 | 34,0 | 13,0 | 17,0 | 70,5  |
| TL1011210NI | 10 | 1/2 | 14,0 | 64,0 | 36,0 | 17,0 | 17,0 | 104,2 |
| TL1011412NI | 12 | 1/4 | 11,0 | 60,0 | 34,0 | 13,0 | 19,0 | 76,6  |
| TL1013812NI | 12 | 3/8 | 11,0 | 60,0 | 34,0 | 13,0 | 19,0 | 81,0  |
| TL1011212NI | 12 | 1/2 | 14,0 | 64,0 | 36,0 | 17,0 | 19,0 | 80,5  |

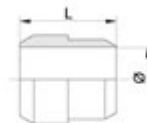
## Dado di bloccaggio Locking nut

| Code     | Ø  | F     | L    | CH   | Gr   |
|----------|----|-------|------|------|------|
| G1304NI  | 4  | M8x1  | 11,0 | 10,0 | 4,0  |
| G1305NI  | 5  | M8x1  | 11,0 | 10,0 | 4,0  |
| G1306NI  | 6  | M10x1 | 12,0 | 12,0 | 5,5  |
| G1307NI  | 7  | M12x1 | 13,0 | 14,0 | 7,5  |
| G1308NI  | 8  | M12x1 | 13,0 | 14,0 | 7,5  |
| G13010NI | 10 | M14x1 | 13,0 | 17,0 | 12,0 |
| G13012NI | 12 | M16x1 | 13,0 | 19,0 | 14,0 |
| G13014NI | 14 | M18x1 | 14,0 | 22,0 | 21,5 |
| G13015NI | 15 | M20X1 | 15,0 | 24,0 | 26,0 |

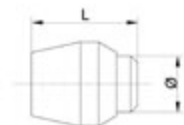


## Ogiva Ogive

| Code      | Ø  | L   | Gr  |
|-----------|----|-----|-----|
| OG1314GR  | 4  | 6,0 | 0,5 |
| OG1315GR  | 5  | 6,0 | 0,5 |
| OG1316GR  | 6  | 7,5 | 1,0 |
| OG1317GR  | 7  | 7,0 | 0,9 |
| OG1318GR  | 8  | 7,0 | 1,0 |
| OG1310GR  | 10 | 7,0 | 1,2 |
| OG13112GR | 12 | 7,0 | 1,5 |
| OG13114GR | 14 | 7,0 | 1,8 |
| OG13115GR | 15 | 8,0 | 2,8 |



## Tappo ogiva Ogival plug



| Code      | Ø  | L    | Gr   |
|-----------|----|------|------|
| OG1356GR  | 6  | 10,0 | 3,4  |
| OG13514GR | 14 | 9,5  | 14,2 |
| OG13515GR | 15 | 10,5 | 18,8 |
| OG13516GR | 16 | 10,5 | 21,4 |

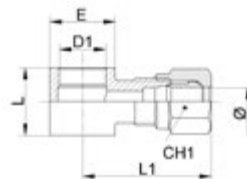
## Bussola di rinforzo Internal support bush



| Code       | F    | F1   | C   | L    | Gr  |
|------------|------|------|-----|------|-----|
| IR1002GR   | 2    | 1,25 | 3,5 | 8    | 0,5 |
| IR10025GR  | 2,5  | 1,7  | 3,5 | 12,0 | 0,4 |
| IR1004GR   | 4    | 3,3  | 5   | 12,0 | 0,4 |
| IR1006GR   | 6    | 5,0  | 7   | 15,0 | 1,0 |
| IR1008GR   | 8    | 7,0  | 9   | 15,0 | 1,4 |
| IR1009GR   | 9    | 8,0  | 10  | 15,0 | 1,6 |
| IR10010GR  | 10   | 9,0  | 11  | 15,0 | 1,8 |
| IR10011GR  | 11   | 10,0 | 12  | 17,0 | 2,4 |
| IR10012GR  | 12   | 11,0 | 13  | 17,0 | 2,6 |
| IR100125GR | 12,5 | 11,5 | 14  | 17,0 | 2,8 |
| IR10014GR  | 14   | 13,0 | 15  | 17,0 | 2,8 |
| IR10015GR  | 15   | 14,0 | 16  | 17,0 | 3,2 |

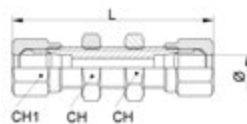
## Anello orientabile per L Single banjo body

| Code        | Ø  | F   | D1   | E    | L    | L1   | CH1 | Gr   |
|-------------|----|-----|------|------|------|------|-----|------|
| RA300M54NI  | 4  | M5  | 5,1  | 9,0  | 9,0  | 18,0 | 10  | 13,0 |
| RA300186NI  | 6  | 1/8 | 9,9  | 14,0 | 14,5 | 27,0 | 12  | 20,0 |
| RA300146NI  | 6  | 1/4 | 13,3 | 18,0 | 14,5 | 30,0 | 12  | 26,0 |
| RA300188NI  | 8  | 1/8 | 9,9  | 14,0 | 14,5 | 28,0 | 14  | 22,6 |
| RA300148NI  | 8  | 1/4 | 13,3 | 18,0 | 14,5 | 31,0 | 14  | 29,8 |
| RA3001410NI | 10 | 1/4 | 13,3 | 18,0 | 14,5 | 32,0 | 17  | 35,0 |



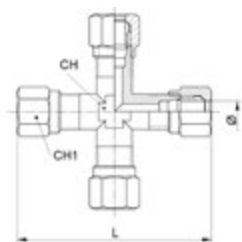
## Passaparete Bulkhead connector

| Code      | Ø  | L    | CH | CH1 | Fil     | Gr   |
|-----------|----|------|----|-----|---------|------|
| RP3006NI  | 6  | 48,0 | 14 | 12  | M10x1   | 32,0 |
| RP3008NI  | 8  | 53,0 | 17 | 14  | M12x1   | 45,0 |
| RP30010NI | 10 | 62,5 | 19 | 19  | M16x1,5 | 64,5 |
| RP30012NI | 12 | 64,5 | 22 | 22  | M18x1,5 | 84,5 |



## Raccordo a croce

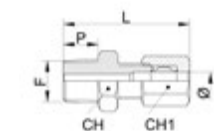
### Cross bulkhead connector



| Code     | Ø | L    | CH | CH1 | Gr   |
|----------|---|------|----|-----|------|
| CR1006NI | 6 | 51,0 | 10 | 12  | 46,0 |
| CR1008NI | 8 | 53,0 | 10 | 14  | 59,0 |

## Raccordo diritto maschio conico

### Straight male adapter

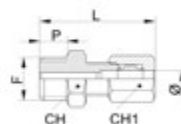


| Code       | Ø  | F   | P    | L    | CH | CH1 | Gr   |
|------------|----|-----|------|------|----|-----|------|
| D505184GR  | 4  | 1/8 | 8,0  | 27,0 | 10 | 10  | 15,0 |
| D505144GR  | 4  | 1/4 | 11,0 | 30,5 | 14 | 10  | 24,0 |
| D505186GR  | 6  | 1/8 | 8,0  | 28,0 | 12 | 12  | 19,0 |
| D505146GR  | 6  | 1/4 | 11,0 | 31,0 | 14 | 13  | 27,0 |
| D505386GR  | 6  | 3/8 | 11,0 | 31,0 | 17 | 13  | 37,5 |
| D505188GR  | 8  | 1/8 | 8,0  | 29,5 | 12 | 14  | 20,4 |
| D505148GR  | 8  | 1/4 | 11,0 | 32,5 | 14 | 14  | 26,8 |
| D505388GR  | 8  | 3/8 | 11,0 | 33,5 | 17 | 14  | 39,0 |
| D5051410GR | 10 | 1/4 | 11,0 | 36,0 | 17 | 19  | 45,3 |
| D5053810GR | 10 | 3/8 | 11,0 | 36,0 | 17 | 19  | 52,6 |
| D5051210GR | 10 | 1/2 | 14,0 | 40,0 | 22 | 19  | 79,0 |
| D5051412GR | 12 | 1/4 | 11,0 | 36,5 | 19 | 22  | 58,3 |
| D5053812GR | 12 | 3/8 | 11,0 | 36,5 | 19 | 22  | 62,0 |
| D5051212GR | 12 | 1/2 | 14,0 | 40,5 | 22 | 22  | 85,0 |
| D5051214GR | 14 | 1/2 | 14,0 | 40,5 | 22 | 24  | 90,0 |
| D5051215GR | 15 | 1/2 | 14,0 | 40,5 | 22 | 27  | 80,0 |

## Raccordo diritto maschio cilindrico

### Straight male adapter (parallel)

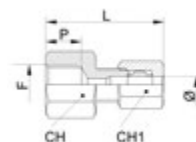
| Code       | Ø | F   | P   | L    | CH | CH1 | Gr   |
|------------|---|-----|-----|------|----|-----|------|
| D5053184GR | 4 | 1/8 | 6,5 | 26,0 | 14 | 10  | 15,0 |
| D5053144GR | 4 | 1/4 | 8   | 28   | 17 | 10  | 24,5 |
| D5053186GR | 6 | 1/8 | 6,5 | 26,5 | 14 | 13  | 17,0 |
| D5053188GR | 8 | 1/8 | 6,5 | 28,0 | 14 | 14  | 20,0 |
| D5053146GR | 6 | 1/4 | 8,0 | 28,0 | 17 | 13  | 24,0 |
| D5053148GR | 8 | 1/4 | 8,0 | 29,5 | 17 | 14  | 26,0 |



## Raccordo diritto femmina

### Straight female adapter

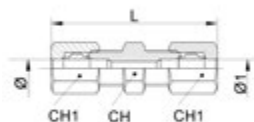
| Code       | Ø  | F   | P    | L    | CH | CH1 | Gr   |
|------------|----|-----|------|------|----|-----|------|
| D506184GR  | 4  | 1/8 | 8,5  | 27,0 | 14 | 10  | 18,6 |
| D506186GR  | 6  | 1/8 | 8,5  | 27,5 | 14 | 13  | 22,8 |
| D506146GR  | 6  | 1/4 | 11,5 | 30,5 | 17 | 13  | 29,8 |
| D506188GR  | 8  | 1/8 | 8,5  | 29,0 | 14 | 14  | 24,6 |
| D506148GR  | 8  | 1/4 | 11,5 | 32,0 | 17 | 14  | 31,5 |
| D506388GR  | 8  | 3/8 | 12,5 | 34,0 | 22 | 14  | 33,0 |
| D5061410GR | 10 | 1/4 | 11,5 | 35,0 | 17 | 19  | 26,7 |
| D5063810GR | 10 | 3/8 | 12,5 | 37,0 | 22 | 19  | 45,8 |



## Raccordo diritto intermedio Straight connector



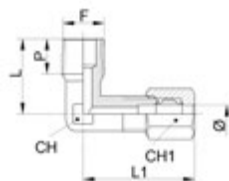
| Code      | Ø  | Ø1 | L    | CH | CH1 | Gr    |
|-----------|----|----|------|----|-----|-------|
| DD5254GR  | 4  | 4  | 35,0 | 10 | 10  | 18,7  |
| DD5256GR  | 6  | 6  | 36,0 | 12 | 13  | 27,0  |
| DD5258GR  | 8  | 8  | 39,0 | 14 | 14  | 31,0  |
| DD52510GR | 10 | 10 | 46,0 | 17 | 19  | 61,0  |
| DD52512GR | 12 | 12 | 47,0 | 19 | 22  | 99,0  |
| DD52514GR | 14 | 14 | 55,5 | 24 | 27  | 110,0 |



## Raccordo a L maschio conico Elbow male adapter (taper)



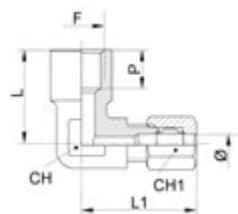
| Code       | Ø  | F   | P    | L    | L1   | CH | CH1 | Gr   |
|------------|----|-----|------|------|------|----|-----|------|
| L502184GR  | 4  | 1/8 | 8,5  | 17,0 | 24,0 | 9  | 10  | 16,2 |
| L502144GR  | 4  | 1/4 | 11,0 | 20,0 | 24,0 | 10 | 10  | 25,6 |
| L502186GR  | 6  | 1/8 | 8,5  | 17,0 | 24,5 | 9  | 13  | 19,8 |
| L502146GR  | 6  | 1/4 | 11,0 | 20,0 | 24,5 | 10 | 13  | 30,2 |
| L502188GR  | 8  | 1/8 | 8,5  | 18,0 | 25,5 | 10 | 14  | 26,8 |
| L502148GR  | 8  | 1/4 | 11,0 | 21,0 | 28,5 | 10 | 14  | 29,2 |
| L5021410GR | 10 | 1/4 | 11,0 | 24,5 | 33,5 | 14 | 19  | 55,0 |
| L5023810GR | 10 | 3/8 | 12,0 | 26,5 | 33,5 | 14 | 19  | 61,3 |
| L5021210GR | 10 | 1/2 | 14,0 | 29,5 | 35,0 | 17 | 19  | 84,3 |
| L5021412GR | 12 | 1/4 | 11,0 | 24,5 | 35,0 | 14 | 22  | 66,5 |
| L5023812GR | 12 | 3/8 | 12,0 | 26,5 | 35,5 | 17 | 22  | 82,0 |
| L5021212GR | 12 | 1/2 | 14,0 | 29,5 | 35,5 | 17 | 22  | 92,6 |
| L5021214GR | 14 | 1/2 | 14,0 | 29,5 | 37,0 | 17 | 24  | 90,7 |
| L5021215GR | 15 | 1/2 | 14,0 | 29,5 | 37,0 | 17 | 24  | 94,8 |



## Raccordo a L femmina

### Elbow female adapter

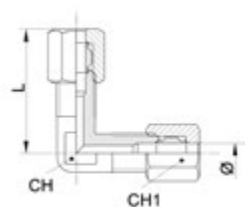
| Code       | Ø  | F   | P    | L    | L1   | CH | CH1 | Gr   |
|------------|----|-----|------|------|------|----|-----|------|
| L509184GR  | 4  | 1/8 | 8,5  | 20,5 | 24,0 | 10 | 10  | 22,6 |
| L509186GR  | 6  | 1/8 | 8,5  | 20,5 | 24,5 | 10 | 13  | 26,0 |
| L509146GR  | 6  | 1/4 | 11,0 | 23,5 | 25,5 | 11 | 13  | 30,0 |
| L509188GR  | 8  | 1/8 | 8,5  | 21,5 | 28,0 | 10 | 14  | 30,0 |
| L509148GR  | 8  | 1/4 | 11,0 | 23,5 | 27,0 | 11 | 14  | 30,0 |
| L5091410GR | 10 | 1/4 | 11,0 | 27,5 | 33,0 | 14 | 19  | 57,0 |



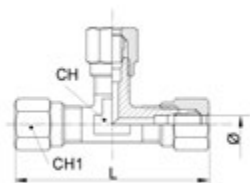
## Raccordo a L intermedio

### Elbow connector

| Code     | Ø  | L    | CH | CH1 | Gr    |
|----------|----|------|----|-----|-------|
| L5224GR  | 4  | 24,0 | 9  | 10  | 21,4  |
| L5226GR  | 6  | 24,5 | 9  | 13  | 35,5  |
| L5228GR  | 8  | 28,0 | 10 | 14  | 36,5  |
| L52210GR | 10 | 33,5 | 14 | 19  | 79,6  |
| L52212GR | 12 | 35,0 | 17 | 22  | 112,0 |
| L52214GR | 14 | 36,5 | 17 | 24  | 117,5 |
| L52215GR | 15 | 36,5 | 17 | 24  | 121,6 |

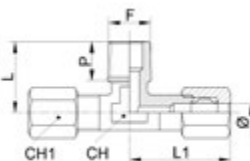


## Raccordo a T intermedio Elbow connector



| Code      | Ø  | L    | CH | CH1 | Gr    |
|-----------|----|------|----|-----|-------|
| TT5214GR  | 4  | 44,0 | 9  | 10  | 27,2  |
| TT5216GR  | 6  | 45,0 | 9  | 13  | 39,8  |
| TT5218GR  | 8  | 54,0 | 12 | 14  | 51,5  |
| TT52110GR | 10 | 63,0 | 13 | 19  | 111,0 |
| TT52112GR | 12 | 71,0 | 17 | 22  | 162,0 |
| TT52115GR | 15 | 73,0 | 17 | 24  | 165,0 |

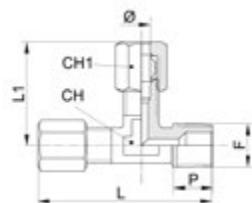
## Raccordo a T maschio centrale conico Elbow male adapter (taper)



| Code        | Ø  | F   | P    | L    | L1   | CH | CH1 | Gr    |
|-------------|----|-----|------|------|------|----|-----|-------|
| TC500184GR  | 4  | 1/8 | 8,5  | 44,0 | 16,0 | 9  | 10  | 24,6  |
| TC500186GR  | 6  | 1/8 | 8,5  | 45,0 | 16,0 | 9  | 13  | 31,2  |
| TC500146GR  | 6  | 1/4 | 11,0 | 50,0 | 20,0 | 10 | 13  | 40,4  |
| TC500188GR  | 8  | 1/8 | 8,5  | 54,0 | 19,5 | 12 | 14  | 38,2  |
| TC500148GR  | 8  | 1/4 | 11,0 | 54,0 | 20,5 | 12 | 14  | 44,2  |
| TC500388GR  | 8  | 3/8 | 12,0 | 58,0 | 26,0 | 13 | 14  | 61,0  |
| TC5001410GR | 10 | 1/4 | 11,0 | 64,0 | 26,0 | 13 | 19  | 73,8  |
| TC5003810GR | 10 | 3/8 | 12,0 | 63,0 | 26,0 | 13 | 19  | 86,0  |
| TC5001210GR | 10 | 1/2 | 14,0 | 70,0 | 30,0 | 17 | 19  | 129,0 |
| TC5001412GR | 12 | 1/4 | 11,0 | 65,0 | 26,0 | 13 | 22  | 103,8 |
| TC5003812GR | 12 | 3/8 | 12,0 | 71,0 | 28,0 | 17 | 22  | 134,0 |
| TC5001212GR | 12 | 1/2 | 14,0 | 71,0 | 30,0 | 17 | 22  | 140,6 |
| TC5001215GR | 15 | 1/2 | 14,0 | 73,0 | 30,0 | 17 | 24  | 142,0 |

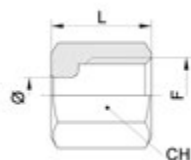
## Raccordo a T maschio laterale conico Tee male adapter - offset leg (taper)

| Code        | Ø  | F   | P    | L    | L1   | CH   | CH1  | Gr    |
|-------------|----|-----|------|------|------|------|------|-------|
| TL501184GR  | 4  | 1/8 | 8,5  | 38,0 | 22,0 | 9,0  | 10,0 | 24,6  |
| TL501186GR  | 6  | 1/8 | 8,5  | 38,5 | 22,5 | 9,0  | 13,0 | 31,2  |
| TL501146GR  | 6  | 1/4 | 11,0 | 45,0 | 25,0 | 10,0 | 13,0 | 40,4  |
| TL501188GR  | 8  | 1/8 | 8,5  | 46,5 | 27,0 | 12,0 | 14,0 | 38,2  |
| TL501148GR  | 8  | 1/4 | 11,0 | 47,5 | 27,0 | 12,0 | 14,0 | 44,2  |
| TL501388GR  | 8  | 3/8 | 12,0 | 55,0 | 29,0 | 13,0 | 14,0 | 61,0  |
| TL5011410GR | 10 | 1/4 | 11,0 | 58,0 | 32,0 | 13,0 | 19,0 | 73,8  |
| TL5013810GR | 10 | 3/8 | 12,0 | 57,5 | 31,5 | 13,0 | 19,0 | 86,0  |
| TL5011210GR | 10 | 1/2 | 14,0 | 65,0 | 35,0 | 17,0 | 19,0 | 129,0 |
| TL5011412GR | 12 | 1/4 | 11,0 | 58,5 | 32,5 | 13,0 | 22,0 | 103,8 |
| TL5013812GR | 12 | 3/8 | 12,0 | 63,5 | 35,5 | 17,0 | 22,0 | 134,0 |
| TL5011212GR | 12 | 1/2 | 14,0 | 65,5 | 35,5 | 17,0 | 22,0 | 140,6 |

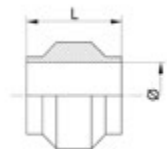


## Dado di bloccaggio Locking nut

| Code     | Ø  | F       | L    | CH   | Gr   |
|----------|----|---------|------|------|------|
| G5304GR  | 4  | M8x1    | 11,0 | 10,0 | 5,0  |
| G5306GR  | 6  | M10x1   | 11,5 | 13,0 | 8,0  |
| G5308GR  | 8  | M12x1   | 13,0 | 14,0 | 8,0  |
| G53010GR | 10 | M16x1,5 | 15,0 | 19,0 | 18,5 |
| G53012GR | 12 | M18x1,5 | 15,0 | 22,0 | 26,0 |
| G53014GR | 14 | M20x1,5 | 15,0 | 24,0 | 29,0 |
| G53015GR | 15 | M20x1,5 | 15,0 | 24,0 | 28,0 |

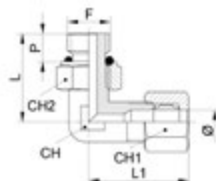


## Ogiva Ogive



| Code      | Ø  | L   | Gr  |
|-----------|----|-----|-----|
| OG5314GR  | 4  | 6,0 | 0,7 |
| OG5316GR  | 6  | 6,5 | 1,0 |
| OG5318GR  | 8  | 7,0 | 1,5 |
| OG53110GR | 10 | 8,0 | 2,8 |
| OG53112GR | 12 | 8,5 | 4,0 |
| OG53114GR | 14 | 8,5 | 4,7 |
| OG53115GR | 15 | 8,5 | 3,8 |

## Raccordo a L orientabile maschio cilindrico con OR L adjustable male parallel adapter with OR

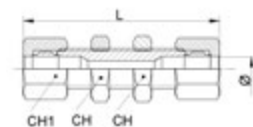


| Code       | Ø  | F   | CH | CH1 | CH2 | P    | L    | L1   |
|------------|----|-----|----|-----|-----|------|------|------|
| L510184GR  | 4  | 1/8 | 10 | 10  | 14  | 6,5  | 22,0 | 30,0 |
| L510186GR  | 6  | 1/8 | 10 | 13  | 14  | 6,5  | 22,0 | 31,0 |
| L510146GR  | 6  | 1/4 | 13 | 13  | 17  | 8,0  | 29,0 | 35,0 |
| L510188GR  | 8  | 1/8 | 11 | 14  | 14  | 6,5  | 24,0 | 34,5 |
| L510148GR  | 8  | 1/4 | 13 | 14  | 17  | 8,0  | 29,0 | 36,0 |
| L510388GR  | 8  | 3/8 | 13 | 14  | 22  | 9,0  | 29,0 | 36,0 |
| L5101410GR | 10 | 1/4 | 13 | 19  | 17  | 8,0  | 29,0 | 40,0 |
| L5103810GR | 10 | 3/8 | 17 | 19  | 22  | 9,0  | 33,0 | 44,0 |
| L5101210GR | 10 | 1/2 | 17 | 19  | 26  | 10,0 | 35,0 | 44,0 |
| L5103812GR | 12 | 3/8 | 17 | 22  | 22  | 9,0  | 33,0 | 45,0 |
| L5101212GR | 12 | 1/2 | 17 | 22  | 26  | 10,0 | 35,0 | 45,0 |
| L5101214GR | 14 | 1/2 | 17 | 24  | 26  | 10,0 | 35,0 | 48,0 |
| L5101215GR | 15 | 1/2 | 17 | 24  | 26  | 10,0 | 35,0 | 48,5 |

## Passaparete

### Bulkhead connector

| Code     | Ø | L    | CH | CH1 | Gr   |
|----------|---|------|----|-----|------|
| RP5006GR | 6 | 47,0 | 14 | 14  | 30,0 |
| RP5008GR | 8 | 52,0 | 17 | 17  | 36,0 |





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