

Serie 9000

9200 Pag. 14.6	9220 Pag. 14.6	9230 Pag. 14.6	9260 Pag. 14.6	9280 Pag. 14.7	9460 Pag. 14.7	9480 Pag. 14.7	9500 Pag. 14.8	9550 Pag. 14.8
9680 Pag. 14.8	9740 Pag. 14.8	10770 Pag. 14.9						

Serie 10000

10200 Pag. 14.12	10220 Pag. 14.12	10230 Pag. 14.12	10240 Pag. 14.13	10260 Pag. 14.13	10280 Pag. 14.13	10290 Pag. 14.14	10460 Pag. 14.14	10465 Pag. 14.14
10480 Pag. 14.15	10485 Pag. 14.15	10500 Pag. 14.16	10510 Pag. 14.16	13530 Pag. 14.16	13540 Pag. 14.17	10550 Pag. 14.17	10680 Pag. 14.17	10740 Pag. 14.17
10760 Pag. 14.18	10770 Pag. 14.18	13780 Pag. 14.18	1612 Pag. 14.18	1613 Pag. 14.19				

Serie 13000

13200 Pag. 14.22	13220 Pag. 14.22	13230 Pag. 14.22	13240 Pag. 14.23	13260 Pag. 14.23	13280 Pag. 14.23	13290 Pag. 14.24	13460 Pag. 14.24	13465 Pag. 14.24
13480 Pag. 14.25	13485 Pag. 14.25	13500 Pag. 14.26	13510 Pag. 14.26	13530 Pag. 14.26	13540 Pag. 14.26	13550 Pag. 14.27	13600 Pag. 14.27	13680 Pag. 14.27
13740 Pag. 14.27	13780 Pag. 14.28	1612 Pag. 14.28	1613 Pag. 14.28	10770 Pag. 14.28	13800 Pag. 14.29	13810 Pag. 14.29	13820 Pag. 14.29	TBPL Pag. 14.29



Compression Fittings

RACCORDI A COMPRESSIONE, RACCORDI UNIVERSALI E RACCORDI A BICONO
COMPRESSION FITTINGS, DOUBLE CONE FITTINGS AND UNIVERSAL FITTINGS

9000
10000
13000

Istruzioni di Montaggio / Assembling Instruction

Serie 9000 - 10000 - 13000

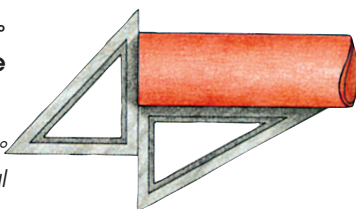
Per garantire le migliori prestazioni dei nostri raccordi, riportiamo una sequenza di operazioni da eseguire durante il montaggio, che contribuiranno ad eliminare sprechi di tempo e cattive applicazioni del prodotto.

To ensure the best function of our fittings, please follow the under mentioned instructions, in order to avoid waste of time and bad applications of the product.

1

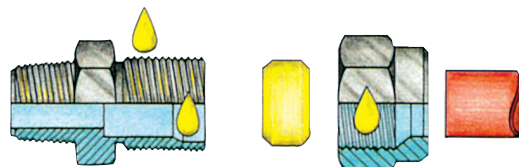
Tagliare il tubo a 90° togliendo le bave interne ed esterne.

Cut the tube at 90° and remove internal and external burrs.


2

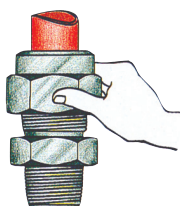
Oliare le filettature del dado e del corpo del raccordo, compresa l'ogiva. Quindi infilare sul tubo dado e ogiva, facendo attenzione che quest'ultima abbia la parte tagliente verso il raccordo.

Lightly oil the tube nut, olive and fitting thread. Slide the nut and olive onto the tube ensuring that the sharp side of the olive is facing the fitting.


3

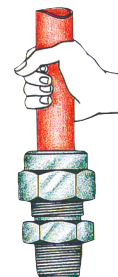
Avvitare manualmente il dado fino ad ottenere una certa resistenza dell'ogiva.

Screw the nut onto the fitting by hand until hand-tight.


4

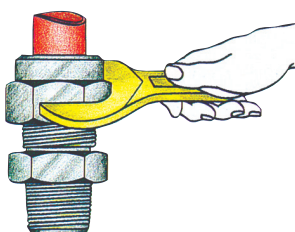
Verificare la completa adesione del tubo al corpo, forzando il medesimo verso l'interno del raccordo e quindi, con la chiave, bloccare il tubo.

Ensure the tube is pushed fully home into the fitting before tightening the nut with the correct spanner.


5

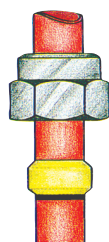
Stringere il dado (1 giro e 1/4 o 1/2) ponendo, se necessario, dei punti di riferimento.

Tighten the nut with the spanner one and a quarter turns, marking reference points, if necessary.


6

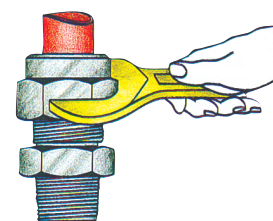
A garanzia che l'ogiva abbia inciso il tubo svitare il dado e controllare l'uniformità del solco.

To ensure that the olive has gripped the tube correctly. Unscrew the nut and make sure that the groove made by the olive is even.


7

Riserrare il dado per circa 1/4 di giro. Altra avvertenza per un buon montaggio: nel caso di tubi curvi, in prossimità del raccordo, il tubo stesso dovrà avere una distanza rettilinea almeno pari al doppio dell'altezza del dado.

Tighten the nut again with an extra quarter turn. Additional information to ensure correct assembly. Where fitting to curved tubes ensure that the section entering the fitting is straight for a minimum length of twice the nut height.

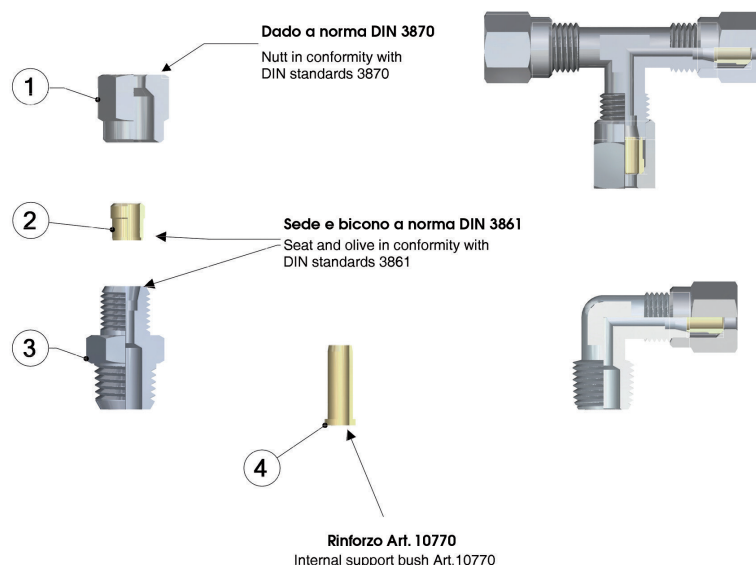




Serie 9000

RACCORDI A COMPRESSIONE - COMPRESSION FITTINGS

Caratteristiche Tecniche / Technical Characteristics



Materiali e Componenti / Component Parts and Materials

- | | |
|-----------------------------|----------------------------|
| 1 Dado in Ottone nichelato | 1 Nickel-plated Brass Nut |
| 2 Ogiva in Ottone Ricotto | 2 Annealed Brass Olive |
| 3 Corpo in Ottone nichelato | 3 Nickel-plated Brass Body |
| 4 Bussolina di rinforzo | 4 Internal support bush |

Pressioni e Temperature / Pressures and Temperatures

Pressioni e temperature vengono determinate dal tipo di tubo impiegato, pertanto tali valori sono da definirsi in base alle caratteristiche del tubo stesso. Riportiamo di seguito i valori delle pressioni massime consigliate per l'utilizzo dei raccordi con tubi di rame dallo spessore di 1 mm a 20° C.

The working pressures and working temperatures depend on which type of tube is used, for this reason, the values must be determined in accordance with the tube's features.

Hereunder, we specify the values of the maximum pressure advised for the fittings at a temperature of 20° C connected with copper tube, which has a thickness of 1 mm.

I valori delle pressioni consigliate, riportate in tabella, sono stati ottenuti dai valori di prova adottando un Coefficiente di Sicurezza 4. Sono disponibili i certificati delle prove rilasciati dai vari laboratori che le hanno eseguite.

The values of working pressures advised, specified in table have been obtained from the test values using a Safety Factor 4. It is available the test report made by the external laboratory test.

Misura Size	Pressione Massima Consigliata Maximum Pressure Advised
Ø 4LL	130 kg/cmq. - 128.6 Bar
Ø 6LL	180 kg/cmq. - 178.1 Bar
Ø 8LL	150 kg/cmq. - 148.4 Bar
Ø 10L	115 kg/cmq. - 113.8 Bar
Ø 12L	75 kg/cmq. - 74.2 Bar
Ø 14S	70 kg/cmq. - 69.3 Bar
Ø 16S	70 Kg/cmq. - 69.3 Bar
Ø 18L	65 Kg/cmq. - 64.3 Bar

Filettature / Threads

Gas conica conforme ISO 7.1, BS 21, DIN 2999 / Tapered gas in conformity with ISO7.1, BS 21, DIN 2999.

Gas cilindrica conforme ISO 228 / Parallel gas in conformity with ISO 228.

Metrica conforme ISO R/262 / Metric in conformity with ISO R/262.

Tubi di collegamento / Connection Tubes

Tubi in rame, ferro, acciaio, alluminio, ottone, ecc.
Con apposito rinforzo interno (art. 10770), possono essere utilizzati anche tubi in PA11, PA6, ecc.

*Tubes made in copper, steel, iron, aluminium, brass, etc.
With an inside support bush (art. 10770), can be used also for plastic material such as PA11, PA6. etc.*

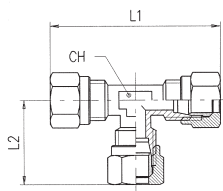
Fluidi compatibili / Fluids

Acqua, olio, aria compressa, fluidi in genere per l'impiantistica idraulica, oleodinamica, idropneumatica, ecc.

Water, oils, compressed air, fluids in general for the hydraulic, pneumatic and oildynamic plants etc.

9200

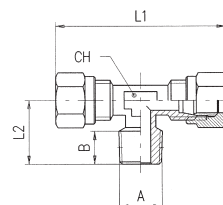
RACCORDO A T INTERMEDIO - TEE CONNECTOR



Codice Code	Tubo Tube	L1	L2	CH	Conf. Pack.
0920000001	4	46	21	8	25
0920000002	6	48	22.5	9	25
0920000003	8	53	25	12	25
0920000004	10	65	31.5	13	25
0920000005	12	68	33	14	25
0920000006	14	76	42	17	10
0920000007	15	78	38	17	10
0920000008	16	86	42.5	19	10
0920000009	18	90	44	22	10

9220

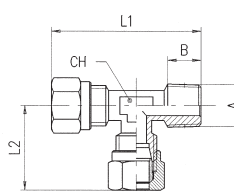
RACCORDO A T MASCHIO CENTRALE - TEE MALE ADAPTOR - CENTRE LEG



Codice Code	Tubo Tube	A	B	L1	L2	CH	Conf. Pack.
0922000001	4	1/8	7.5	45	15	8	50
0922000002	6	1/8	7.5	45	16.5	9	25
0922000003	6	1/4	11	45	20.5	9	25
0922000004	8	1/8	7.5	52	17	12	25
0922000005	8	1/4	11	52	20.5	12	25
0922000006	8	3/8	11.5	50	24	13	25
0922000007	10	1/4	11	64	23.5	13	25
0922000008	10	3/8	11.5	64	24	13	25
0922000009	12	3/8	11.5	68	25	14	25
0922000010	12	1/2	14	68	26.5	14	25
0922000011	14	1/2	14	84	30	17	25
0922000012	15	1/2	14	76	28	17	25
0922000013	16	1/2	14	85	31.5	19	10
0922000014	18	1/2	14	88	34	22	10

9230

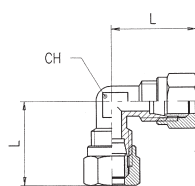
RACCORDO A T MASCHIO LATERALE - TEE MALE ADAPTOR OFF SET LEG



Codice Code	Tubo Tube	A	B	L1	L2	CH	Conf. Pack.
0923000001	4	1/8	7.5	37.5	21	8	50
0923000002	6	1/8	7.5	39.5	22.5	9	25
0923000003	6	1/4	11	43	23	9	25
0923000004	8	1/8	7.5	43.5	25	12	25
0923000005	8	1/4	11	47	25	12	25
0923000006	8	3/8	11.5	50	25	13	25
0923000007	10	1/4	11	55.5	31	13	25
0923000008	10	3/8	11.5	56.5	31.5	13	25
0923000009	12	3/8	11.5	59	33	14	25
0923000010	12	1/2	11.5	59.5	25	15	25
0923000011	14	1/2	14	68	42	17	25
0923000012	15	1/2	14	68	38	17	25
0923000013	16	1/2	14	74.5	42.5	19	10
0923000014	18	1/2	14	79	44	22	10

9260

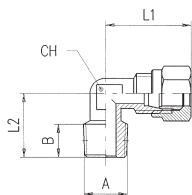
RACCORDO A L INTERMEDIO - ELBOW CONNECTOR



Codice Code	Tubo Tube	L	CH	Conf. Pack.
0926000001	4	21	8	50
0926000002	6	22.5	9	50
0926000003	8	26.5	12	25
0926000004	10	31.5	13	25
0926000005	12	34.5	14	25
0926000006	14	38	17	25
0926000007	15	37.5	17	25
0926000008	16	44	19	10
0926000009	18	44	22	10

9280

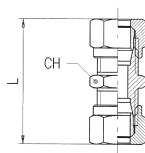
RACCORDO A L MASCHIO - ELBOW MALE ADAPTOR



Codice Code	Tubo Tube	A	B	L1	L2	CH	Conf. Pack.
0928000001	4	1/8	7.5	22	15	8	50
0928000002	6	1/8	7.5	23.5	17	9	50
0928000003	6	1/4	11	24	19.5	9	50
0928000004	8	1/8	7.5	26.5	18	12	50
0928000005	8	1/4	11	26.5	21.5	11	25
0928000006	8	3/8	11.5	29.5	24.5	13	25
0928000007	10	1/4	11	33	23.5	13	25
0928000008	10	3/8	11.5	33	24.5	13	25
0928000009	12	3/8	11.5	34.5	25	14	25
0928000010	12	1/2	14	34.5	28	15	25
0928000011	14	1/2	14	38.5	30	17	25
0928000012	15	1/2	14	37	29	17	25
0928000013	16	1/2	14	43	31.5	19	10
0928000014	18	1/2	14	44	33.5	22	10

9460

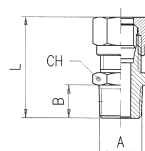
RACCORDO DIRITTO INTERMEDIO - STRAIGHT CONNECTOR



Codice Code	Tubo Tube	L	CH	Conf. Pack.
0946000001	4	36	9	50
0946000002	6	39	12	50
0946000003	8	39	12	50
0946000004	10	48	17	25
0946000005	12	49	19	25
0946000006	14	53	24	25
0946000007	15	50	24	25
0946000008	16	53.5	27	10
0946000009	18	53	27	10

9480

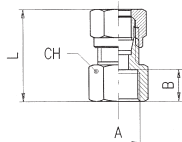
RACCORDO DIRITTO MASCHIO - STRAIGHT MALE ADAPTOR



Codice Code	Tubo Tube	A	B	L	CH	Conf. Pack.
0948000001	4	1/8	7.5	27.5	11	50
0948000002	6	1/8	7.5	28	11	50
0948000003	6	1/4	11	31.5	14	50
0948000004	8	1/8	7.5	30	12	50
0948000005	8	1/4	11	33.5	14	25
0948000006	8	3/8	11.5	35	17	25
0948000007	10	1/4	11	38	16	25
0948000008	10	3/8	11.5	38.5	17	25
0948000009	12	3/8	11.5	38.5	18	25
0948000010	12	1/2	14	41.5	21	25
0948000011	14	1/2	14	44	22	25
0948000012	15	1/2	14	43.5	22	25
0948000013	16	1/2	14	45	24	10
0948000014	18	1/2	14	45	26	10

9500

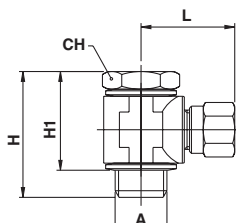
RACCORDO DIRITTO FEMMINA - STRAIGHT FEMALE ADAPTOR



Codice Code	Tubo Tube	A	B	L	CH	Conf. Pack.
0950000001	4	1/8	8.5	26.5	14	50
0950000002	6	1/8	8.5	26.5	14	50
0950000003	6	1/4	11	30	17	50
0950000004	8	1/8	8.5	27.5	14	50
0950000005	8	1/4	11	31	17	50
0950000006	8	3/8	11.5	32.5	20	25
0950000007	10	1/4	11	32.5	17	25
0950000008	10	3/8	11.5	34.5	20	25
0950000009	12	3/8	11.5	34.5	20	25
0950000010	12	1/2	15	39	24	25
0950000011	14	1/2	15	40	24	25
0950000012	15	1/2	15	39.5	24	25
0950000013	16	1/2	15	41	24	10
0950000014	18	1/2	15	41	26	10

9550

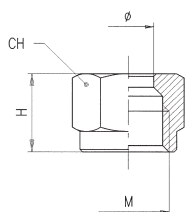
RACCORDO A L ORIENTABILE - SINGLE BANJO BODY



Codice Code	Tubo Tube	A	L	H	H1	CH	Conf. Pack.
0955000001	4	1/8	23	31	24	14	25
0955000002	6	1/8	24	31	24	14	25
0955000003	6	1/4	27.5	32	24.5	17	25
0955000004	8	1/8	27.5	31	24	14	25
0955000005	8	1/4	27.5	32	24.5	17	25
0955000006	8	3/8	30	37.5	24.5	19	25
0955000007	10	1/4	33	32	24.5	17	25
0955000008	10	3/8	33.5	36	27.5	19	25
0955000009	12	3/8	36	46	38	22	25

9680

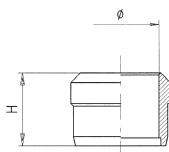
DADO - NUT



Codice Code	Tubo Tube	H	CH	M	Conf. Pack.
096800001X1NB	4 LL	11	10	M8x1	50
096800001X4NB	6 LL	11.5	12	M10x1	50
096800001X7NB	8 LL	12	14	M12x1	50
096800001X9NB	10 L	15.5	19	M16x1.5	50
096800001Y1NB	12 L	15.5	22	M18x1.5	50
096800001Y3NB	14 S	18.5	27	M22x1.5	25
096800001Y4NB	15 L	17	27	M22x1.5	25
096800001Y5NB	16 S	18.5	30	M24x1.5	25
096800001Y7NB	18 L	18	32	M26x1.5	25

9740

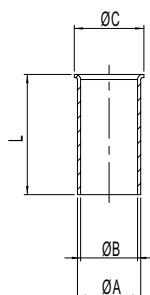
OGIVA - OLIVE



Codice Code	Tubo Tube	H	Conf. Pack.
097400002X100	4 LL	6	50
097400002X400	6 LL	7	50
097400002X700	8 LL	7.5	50
097400002X900	10 L	9.5	50
097400002Y100	12 L	9.5	50
097400002Y300	14 S	9.5	25
097400002Y400	15 L	9.5	25
097400002Y500	16 S	9.5	25
097400002Y700	18 L	10	25

10770

BUSSOLA DI RINFORZO - INTERNAL SUPPORT BUSH



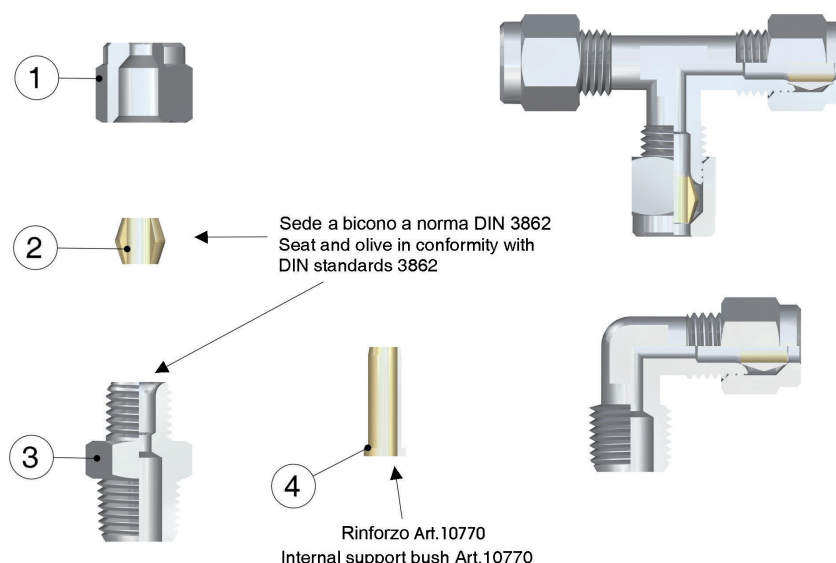
Codice Code	Tubo Tube	A	B	C	L	Conf. Pack.
1077000011D00	4/2.7	2.7	2.1	3.7	13	50
1077000013D00	6/4	4	3.2	5	13	50
1077000014D00	8/6	6	5	7	16.5	50
1077000015D00	10/8	8	7	9	17	50
1077000017D00	12/9	9	8	11	19	50
1077000018D00	12/10	10	9	11	19	50
1077000010E00	14/12	12	11	13.5	21	50
1077000011E00	15/12.5	12.5	11.6	14	21	50
1077000013E00	16/13	13	12	15.5	22	50
1077000017E00	18/15	15	14	17.5	23	50
1077000018E00	18/16	16	15	17.5	23	50
1077000010F00	22/18	18	17	21	25	50



Serie 10000

RACCORDI UNIVERSALI A BICONO - UNIVERSAL DOUBLE CONE FITTINGS

Caratteristiche Tecniche / Technical Characteristics



Materiali e Componenti / Component Parts and Materials

- | | |
|--------------------------------------|-----------------------------------|
| 1 Dado in Ottone Nichelato | 1 Nickel-plated Brass Nut |
| 2 Ogiva in Ottone (PTFE a richiesta) | 2 Brass Olive (If requested PTFE) |
| 3 Corpo in Ottone Nichelato | 3 Nickel-plated Brass Body |
| 4 Bussolina di rinforzo | 4 Internal support bush |

Pressioni e Temperature / Pressures and Temperatures

Pressioni e temperature vengono determinate dal tipo di tubo impiegato, pertanto tali valori sono da definirsi in base alle caratteristiche del tubo stesso. Riportiamo di seguito i valori delle pressioni massime consigliate per l'utilizzo dei raccordi con tubi di rame dallo spessore di 1 mm a 20° C.

The working pressures and working temperatures depend on which type of tube is used, for this reason, the values must be determined in accordance with the tube's features.

Hereunder, we specify the values of the maximum pressure advised for the fittings at a temperature of 20° C connected with copper tube, which has a thickness of 1 mm.

I valori delle pressioni consigliate, riportate in tabella, sono stati ottenuti dai valori di prova adottando un Coefficiente di Sicurezza 4. Sono disponibili i certificati delle prove rilasciati dai vari laboratori che le hanno eseguite.

The values of working pressures advised, specified in table have been obtained from the test values using a Safety Factor 4. It is available the test report made by the external laboratory test.

MISURA SIZE	PRESSIONE MASSIMA CONSIGLIATA MAXIMUM PRESSURE ADVISED
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Ø 4	150 kg/cm ² - 148.4 Bar
Ø 6	150 kg/cm ² - 148.4 Bar
Ø 8	130 kg/cm ² - 128.6 Bar
Ø 10	180 kg/cm ² - 178.1 Bar
Ø 12	150 kg/cm ² - 148.4 Bar
Ø 14	115 kg/cm ² - 113.3 Bar
Ø 16	75 kg/cm ² - 74.2 Bar
Ø 18	60 kg/cm ² - 59.4 Bar
Ø 22	40 kg/cm ² - 39.6 Bar

Filettature / Threads

Gas conica conforme ISO 7.1, BS 21, DIN 2999

Tapered gas in conformity with ISO 7.1, BS 21, DIN 2999.

Gas cilindrica conforme ISO 228

Parallel gas in conformity with ISO 228.

Metrica conforme ISO R/262

Metric in conformity with ISO R/262.

Fluidi compatibili / Fluids

Acqua, olio, aria compressa, fluidi in genere per l'impiantistica idraulica, oleodinamica, idropneumatica, ecc.

Water, oils, compressed air, fluids in general for the hydraulic, pneumatic and oil dynamic plants etc.

Tubi di collegamento / Connection Tubes

Tubi in rame, ferro, acciaio, alluminio, ottone, ecc.

Con apposito rinforzo interno (art. 10770), possono essere utilizzati anche tubi in PA11, PA6, ecc.

Tubes made in copper, steel, iron, aluminium, brass, etc.

With an inside support bush (art. 10770), can be used also for plastic material such as PA11, PA6. etc.

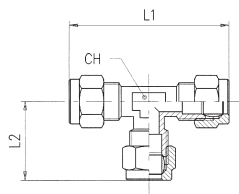
Coppia di serraggio / Torque specifications

COPPIE DI SERRAGGIO DADO SU OGIVA TORQUE FORCE ON OLIVE NUT			
Ø mm	N° GIRI CHIAVE N° KEY TURNS	FORZA Nm FORCE Nm	FORZA kgf FORCE kgf
4	1 ¼ + ¼	15	1,55
6	1 ¼ + ¼	18	1,85
8	1 ¼ + ¼	22	2,25
10	1 ¼ + ¼	40	4
12	1 ¼ + ¼	50	5
14	1 ¼ + ¼	70	7,1
15	1 + ¼	90	9,1
16	1 + ¼	90	9,1
18	1 + ¼	130	13,25
22	1 + ¼	130	13,25

FORZE DI SERRAGGIO, MINIME CONSIGLIATE, E N° DI GIRI UTILI, PER GARANTIRE UN MONTAGGIO CORRETTO
TORQUE FORCE, MINIMUM RECOMMENDED, AND USEFUL TURN, TO ENSURE A CORRECT INSTALLATION

10200

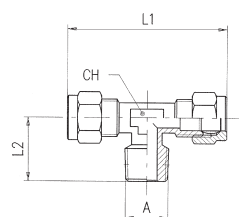
RACCORDO A T INTERMEDIO - TEE CONNECTOR



Codice Code	Tubo Tube	L1	L2	CH	Conf. Pack.
1020000001	4	41	20.5	8	25
1020000002	6	46	23	9	25
1020000003	8	53	26.5	12	25
1020000004	10	62	31	13	25
1020000005	12	67	33.5	14	25
1020000006	14	72	36	18	10
1020000007	15	78	39	18	10
1020000008	16	78	39	17	10
1020000009	18	83	41.5	20	10
1020000010	22	86	43	27	10

10220

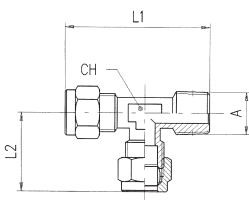
RACCORDO A T MASCHIO CENTRALE - TEE MALE ADAPTOR CENTRE LEG



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1022000001	4	1/8	41	15	8	50
1022000002	6	1/8	46	16.5	9	25
1022000003	6	1/4	46	20.5	9	25
1022000004	8	1/8	53	16.5	12	25
1022000005	8	1/4	53	20.5	12	25
1022000006	8	3/8	57	23	13	25
1022000007	10	1/4	62	22.5	13	25
1022000008	10	3/8	62	23.5	13	25
1022000009	10	1/2	64	27	14	25
1022000010	12	1/4	66	24.5	14	25
1022000011	12	3/8	66	25	14	25
1022000012	12	1/2	67	26.5	14	25
1022000013	14	3/8	75	26	16	10
1022000014	14	1/2	78	31	18	10
1022000015	15	1/2	80	31	18	10
1022000016	16	1/2	79	29	17	10
1022000017	18	1/2	84	29.5	20	10
1022000018	18	3/4	82	32.5	20	10
1022000019	22	3/4	86	34	27	10

10230

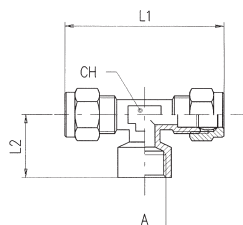
RACCORDO A T MASCHIO LATERALE - TEE MALE ADAPTOR OFF SET LEG



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1023000001	4	1/8	35	21	8	50
1023000002	6	1/8	39	24	9	25
1023000003	6	1/4	43	23	9	25
1023000004	8	1/8	43	26	12	25
1023000005	8	1/4	46	26	12	25
1023000006	8	3/8	49	26	13	25
1023000007	10	1/4	55	31	13	25
1023000008	10	3/8	54	31	13	25
1023000009	12	3/8	58	33	14	25
1023000010	12	1/2	59	34	15	25
1023000011	14	1/2	67	39	18	25

10240

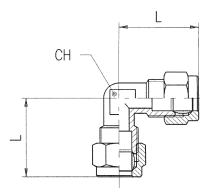
RACCORDO A T FEMMINA CENTRALE - TEE FEMALE CENTRE LEG



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1024000001	4	1/8	42	18	8	50
1024000002	6	1/8	46.5	19.5	9	25
1024000003	6	1/4	54	24.5	13	25
1024000004	8	1/8	53	19.5	12	25
1024000005	8	1/4	55	24.5	13	25
1024000007	10	1/4	63	24.5	13	25
1024000008	10	3/8	65	26	14	25
1024000009	10	1/2	66	26	15	25
1024000010	12	1/4	66	25.5	14	25
1024000011	12	3/8	66	26	14	25
1024000012	12	1/2	66	26	15	25
1024000013	14	1/2	67	30	18	10
1024000014	15	1/2	77	30	18	10
1024000015	16	1/2	77	28.5	17	10
1024000016	18	1/2	84	28	20	10
1024000017	18	3/4	83	34	20	10

10260

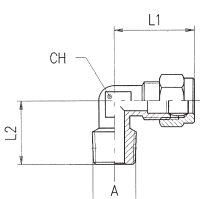
RACCORDO A L INTERMEDIO - ELBOW CONNECTOR



Codice Code	Tubo Tube	L	CH	Conf. Pack.
1026000001	4	20	8	50
1026000002	6	24	9	50
1026000003	8	28	11	25
1026000004	10	32	13	25
1026000005	12	34	14	25
1026000006	14	36.5	17	25
1026000007	15	38	17	25
1026000008	16	39	17	10
1026000009	18	41.5	20	10
1026000010	22	43	27	10

10280

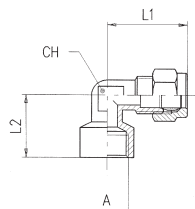
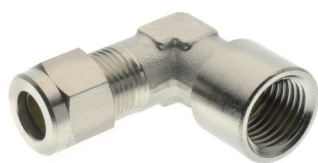
RACCORDO A L MASCHIO - ELBOW MALE ADAPTOR



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1028000001	4	1/8	20.5	15	8	50
1028000002	6	1/8	23.5	17	9	50
1028000003	6	1/4	23.5	19	9	50
1028000004	8	1/8	28	18	11	50
1028000005	8	1/4	28	21.5	11	25
1028000006	8	3/8	28.5	24	13	25
1028000007	10	1/4	32	23.5	13	25
1028000008	10	3/8	32	24.5	13	25
1028000009	10	1/2	34	25	14	25
1028000010	12	1/4	34	24	14	25
1028000011	12	3/8	34	26	14	25
1028000012	12	1/2	34	25	14	25
1028000013	14	3/8	38	26	17	25
1028000014	14	1/2	38	28.5	17	25
1028000015	15	1/2	39	28.5	17	25
1028000016	16	1/2	40	28	17	10
1028000017	18	1/2	42	29.5	20	10
1028000018	18	3/4	42	32	20	10
1028000019	22	3/4	42.5	34	27	10

10290

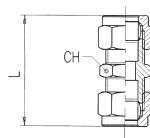
RACCORDO A L FEMMINA - ELBOW FEMALE ADAPTOR



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1029000001	4	1/8	22	18	8	50
1029000002	6	1/8	23.5	18	9	50
1029000003	6	1/4	24	22.5	11	50
1029000004	8	1/8	28	21	11	50
1029000005	8	1/4	28.5	25.5	13	50
1029000006	8	3/8	29	25	14	25
1029000007	10	1/4	34	25	13	25
1029000008	10	3/8	33	25	14	25
1029000009	10	1/2	33	27	15	25
1029000010	12	1/4	34	26	14	25
1029000011	12	3/8	34	26	14	25
1029000012	12	1/2	33	27	15	25
1029000013	14	1/2	38.5	30	18	25
1029000014	15	1/2	39	30	18	25
1029000015	16	1/2	40	30	18	25
1029000016	18	1/2	42	29	20	10
1029000017	18	3/4	42	33.5	20	10

10460

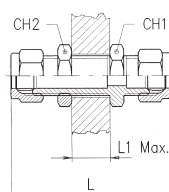
RACCORDO DIRITTO INTERMEDIO - STRAIGHT CONNECTOR



Codice Code	Tubo Tube	L	CH	Conf. Pack.
1046000001	4	30.5	10	50
1046000002	6	35	11	50
1046000003	8	36	13	50
1046000004	10	43.5	16	25
1046000005	12	44	18	25
1046000006	14	47	21	25
1046000007	15	52	21	25
1046000008	16	52.5	22	25
1046000009	18	56.5	26	10
1046000010	22	55	30	10

10465

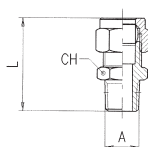
RACCORDO INTERMEDIO DI ATTRAVERSAMENTO - BULKHEAD CONNECTOR



Codice Code	Tubo Tube	L	L1MAX	CH1	CH2	Conf. Pack.
1046500001	4	46.5	15	10	13	25
1046500002	6	51.5	15	14	14	25
1046500003	8	53	15	14	17	25
1046500004	10	61.5	16	19	21	25
1046500005	12	67.5	20	22	24	25
1046500006	14	72	20	24	24	25

10480

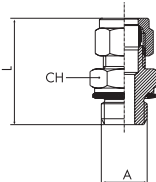
RACCORDO DIRITTO MASCHIO CONICO - STRAIGHT MALE ADAPTOR (TAPER)



Codice Code	Tubo Tube	A	L	CH	Conf. Pack.
1048000001	4	1/8	25.5	11	50
1048000002	4	1/4	28.5	14	50
1048000003	6	1/8	27.5	11	50
1048000004	6	1/4	31	14	50
1048000005	6	3/8	31.5	17	50
1048000006	8	1/8	28	13	50
1048000007	8	1/4	31.5	14	25
1048000008	8	3/8	32	17	25
1048000009	10	1/4	35	16	25
1048000010	10	3/8	35.5	17	25
1048000011	10	1/2	37	21	25
1048000012	12	1/4	36	18	25
1048000013	12	3/8	37	18	25
1048000014	12	1/2	37	21	25
1048000015	14	3/8	37	20	25
1048000016	14	1/2	39.5	21	25
1048000017	15	1/2	40	21	25
1048000018	16	1/2	42.5	22	10
1048000019	16	3/4	44	27	10
1048000020	18	1/2	44	24	10
1048000021	18	3/4	45.5	27	10
1048000022	22	1/2	44	30	10
1048000023	22	3/4	45.5	30	10

10485

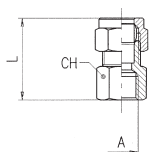
RACCORDO DIRITTO MASCHIO CILINDRICO - STRAIGHT MALE ADAPTOR (PARALLEL)



Codice Code	Tubo Tube	A	L	CH	Conf. Pack.
1048500001	4	1/8	25	13	25
1048500002	6	1/8	26.5	13	25
1048500003	6	1/4	30	17	25
1048500004	8	1/8	28.5	13	25
1048500005	8	1/4	31	17	25
1048500006	8	3/8	34.5	22	25
1048500007	10	1/4	34.5	17	25
1048500008	10	3/8	38	22	25
1048500009	14	3/8	39.5	22	25
1048500010	14	1/2	42	27	25
1048500011	22	3/4	47	32	10
1048500012	22	1"	50	40	10

10500

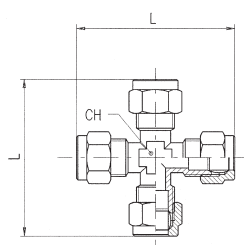
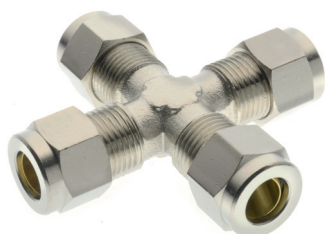
RACCORDO DIRITTO FEMMINA - STRAIGHT FEMALE ADAPTOR



Codice Code	Tubo Tube	A	L	CH	Conf. Pack.
1050000001	4	1/8	24	14	50
1050000002	4	1/4	26.5	17	50
1050000003	6	1/8	25.5	14	50
1050000004	6	1/4	28	17	50
1050000005	8	1/8	26	14	50
1050000006	8	1/4	28.5	17	50
1050000007	8	3/8	29.5	20	25
1050000008	10	1/4	32	17	25
1050000009	10	3/8	32.5	20	25
1050000010	10	1/2	34.5	24	25
1050000011	12	1/4	32	18	25
1050000012	12	3/8	32.5	20	25
1050000013	12	1/2	34.5	24	25
1050000014	14	3/8	34	20	25
1050000015	14	1/2	36.5	24	25
1050000016	15	1/2	36.5	24	25
1050000017	16	1/2	39	24	10
1050000018	16	3/4	40.5	30	10
1050000019	18	1/2	40	24	10
1050000020	18	3/4	41	30	10
1050000021	22	3/4	40	30	10

10510

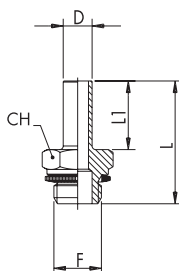
RACCORDO A CROCE - EQUAL CROSS



Codice Code	Tubo Tube	L	CH	Conf. Pack.
1051000001	4	45	8	25
1051000002	6	47	9	25
1051000003	8	54	11	25
1051000004	10	64	13	25
1051000005	12	70	17	25
1051000006	14	74.5	17	10

13530

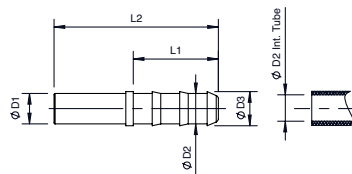
ADATTATORE ORIENTABILE MASCHIO CILINDRICO - ORIENTING MALE ADAPTOR PARALLEL



Codice Code	D	F	L	L1	CH	Conf. Pack.
1353000001	6	1/8	27.5	16	13	50
1353000002	6	1/4	31	16	17	50
1353000003	8	1/8	31.5	19	13	25
1353000004	8	1/4	34	19	17	25
1353000005	8	3/8	38	19	22	25
1353000006	10	1/4	35	20	17	25
1353000007	10	3/8	39	20	22	25
1353000008	14	3/8	40	21	22	25
1353000009	14	1/2	42	21	27	25

13540

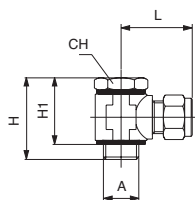
MANICOTTO PORTAGOMMA PER TUBO CAUCCIÙ - SLEEVE HOSE ADAPTER FOR CAOUTCHOUC TUBES



Codice Code	D1	D2	D3	L1	L	Conf. Pack.
135400001GG00	6	7	9	22.5	40.5	50
135400001GH00	8	7	9	22.5	43.5	50
135400001GP00	8	10	12	22.5	43.5	50
135400001GI00	10	7	9	22.5	44.5	25
135400001FR00	10	10	12	22.5	44.5	25
135400001FS00	12	10	12	22.5	45	25
135400001GM00	12	13	15.5	29.5	52	25
135400001GN00	14	13	15.5	29.5	52.5	25

10550

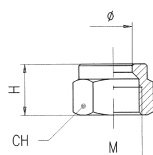
RACCORDO ORIENTABILE A L CON VITE - SINGLE BANJO BODY WITH STEM



Codice Code	Tubo Tube	A	L	H	H1	CH	Conf. Pack.
1055000001	4	1/8	21.5	31	23	14	25
1055000002	6	1/8	23	31	23	14	25
1055000003	6	1/4	26	32	23.5	17	25
1055000004	8	1/8	26.5	31	23	14	25
1055000005	8	1/4	27	32	23.5	17	25
1055000006	8	3/8	28	36	26.5	19	25
1055000007	10	1/4	31.5	32	23.5	17	25
1055000008	10	3/8	32.5	36	26.5	19	25
1055000009	14	1/4	36.5	44	36.5	17	25
1055000010	14	3/8	36.5	46	37	22	25
1055000011	14	1/2	36.5	49	38	24	10
1055000012	22	3/4	45.5	64	52	32	10

10680

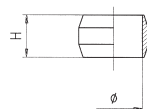
DADO - NUT



Codice Code	Tubo Tube	H	CH	M	Conf. Pack.
106800001X1NB	4	9.5	10	M8x1	50
106800001X4NB	6	10.5	12	M10x1	50
106800001X7NB	8	11.5	14	M12x1	50
106800001X9NB	10	13.5	19	M16x1.5	50
106800001Y1NB	12	13.5	21	M18x1.5	50
106800001Y3NB	14	14.5	23	M20x1.5	25
106800001Y4NB	15	16	23	M20x1.5	25
106800001Y5NB	16	17	25	M22x1.5	25
106800001Y7NB	18	18	28	M24x1.5	25
106800001J1NB	22	18	34	M30x1.5	10

10740

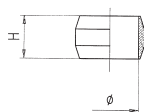
OGIVA OTTONE - BRASS OLIVE



Codice Code	Tubo Tube	H	Conf. Pack.
107400002X100	4	5.5	50
107400002X400	6	6.5	50
107400002X700	8	6.5	50
107400002X900	10	7.5	50
107400002Y100	12	8	50
107400002Y300	14	8.5	25
107400002Y400	15	9	25
107400002Y500	16	9.5	25
107400002Y700	18	10	25
107400002J100	22	10	10

10760

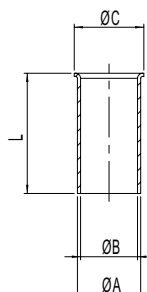
OGIVA PTFE - PTFE OLIVE



Codice Code	Tubo Tube	H	Conf. Pack.
107600028X100	4	5.5	50
107600028X400	6	6.5	50
107600028X700	8	6.5	50
107600028X900	10	7.5	50
107600028Y100	12	8	50
107600028Y300	14	8.5	50
107600028Y400	15	9	50
107600028Y500	16	9.5	50
107600028Y700	18	10	50
107600028J100	22	10	50

10770

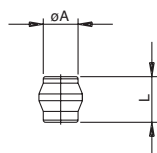
BUSSOLA DI RINFORZO - INTERNAL SUPPORT BUSH



Codice Code	Tubo Tube	A	B	C	L	Conf. Pack.
1077000011D00	4/2.7	2.7	2.1	3.7	13	50
1077000013D00	6/4	4	3.2	5	13	50
1077000014D00	8/6	6	5	7	16.5	50
1077000015D00	10/8	8	7	9	17	50
1077000017D00	12/9	9	8	11	19	50
1077000018D00	12/10	10	9	11	19	50
1077000010E00	14/12	12	11	13.5	21	50
1077000011E00	15/12.5	12.5	11.6	14	21	50
1077000013E00	16/13	13	12	15.5	22	50
1077000017E00	18/15	15	14	17.5	23	50
1077000018E00	18/16	16	15	17.5	23	50
1077000010F00	22/18	18	17	21	25	50

13780

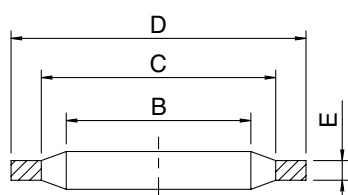
TAPPO PER RACCORDI UNIVERSALI - PLUG FOR UNIVERSAL FITTINGS



Codice Code	A	L	Conf. Pack.
137800001X100	4	10	50
137800001X400	6	10.5	50
137800001X700	8	10.5	50
137800001X900	10	11.5	50
137800001Y100	12	12	50
137800001Y300	14	14	25
137800001Y400	15	14	25
137800001Y500	16	14	25
137800001Y700	18	16	25
137800001J100	22	15	25

1612

RONDELLA BIMATERIALE IN ACCIAIO E NBR - STEEL AND NBR BIMATERIAL WASHER



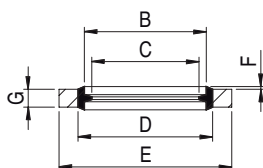
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

Temperatura minima / minimum temperature: -30°C
Temperatura massima / maximum temperature: +100°C

Codice Code	Misura Size	B	C	D	E	Conf. Pack.
0161200001	1/8	10.4	12	14.7	1.25	25
0161200002	1/4	13.85	15.75	18.7	1.25	25
0161200003	3/8	17.35	19.25	22.7	1.25	25
0161200004	1/2	21.65	23.55	26.7	1.25	25
0161200005	3/4	27.3	29.2	32.5	1.25	25
0161200006	1"	34.2	36.1	39.5	2	25

1613

RONDELLA AUTOCENTRANTI BIMATERIALE IN ACCIAIO E NBR - STEEL AND NBR CENTERING BIMATERIAL WASHER



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

Temperatura minima / minimum temperature: **-30°C**
 Temperatura massima / maximum temperature: **+100°C**

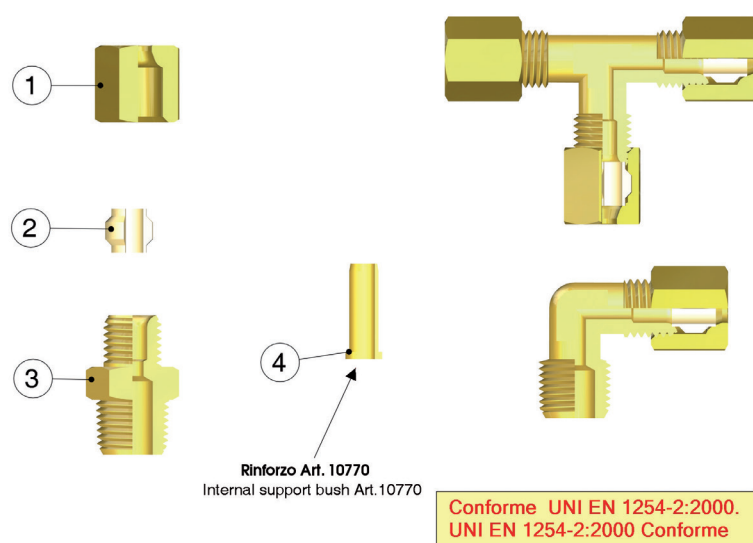
Codice Code	Misura Size	B	C	D	E	F	G	Conf. Pack.
0161300001	1/8	10,37	8,56	11,84	14	2	0,3	25
0161300002	1/4	13,74	11,45	15,21	17	2	0,3	25
0161300003	3/8	17,28	14,96	18,75	22	2	0,3	25
0161300004	1/2	21,54	18,64	23,01	26	2,5	0,4	25
0161300005	3/4	27,05	24,13	28,53	32	2,5	0,4	25
0161300006	1"	33,89	30,30	36,88	41	3,2	0,5	25



Serie 13000

RACCORDI UNIVERSALI - UNIVERSAL FITTINGS

Caratteristiche Tecniche / Technical Characteristics



Materiali e Componenti / Component Parts and Materials

- | | |
|-------------------------|-------------------------|
| 1 Dado in Ottone | 1 Brass Nut |
| 2 Ogiva in Ottone | 2 Brass Olive |
| 3 Corpo in Ottone | 3 Brass Body |
| 4 Bussolina di rinforzo | 4 Internal support bush |

Pressioni e Temperature / Pressures and Temperatures

Pressioni e temperature vengono determinate dal tipo di tubo impiegato, pertanto tali valori sono da definirsi in base alle caratteristiche del tubo stesso. Riportiamo di seguito i valori delle pressioni massime consigliate per l'utilizzo dei raccordi con tubi di rame dallo spessore di 1 mm a 20° C.

The working pressures and working temperatures depend on which type of tube is used, for this reason, the values must be determined in accordance with the tube's features.

Hereunder, we specify the values of the maximum pressure advised for the fittings at a temperature of 20° C connected with copper tube, which has a thickness of 1 mm.

I valori delle pressioni consigliate, riportate in tabella, sono stati ottenuti dai valori di prova adottando un Coefficiente di Sicurezza 4. Sono disponibili i certificati delle prove rilasciati dai vari laboratori che le hanno eseguite.

The values of working pressures advised, specified in table have been obtained from the test values using a Safety Factor 4. It is available the test report made by the external laboratory test.

MISURA SIZE	PRESSIONE MASSIMA CONSIGLIATA MAXIMUM PRESSURE ADVISED
Ø 4	150 kg/cm ² . - 148.4 Bar
Ø 6	150 kg/cm ² . - 148.4 Bar
Ø 8	135 kg/cm ² . - 133.6 Bar
Ø 10	95 kg/cm ² . - 94 Bar
Ø 12	75 kg/cm ² . - 74.2 Bar
Ø 14	100 kg/cm ² . - 99 Bar
Ø 16	95 kg/cm ² . - 94 Bar
Ø 18	70 kg/cm ² . - 69.3 Bar
Ø 22	70 kg/cm ² . - 69.3 Bar

Filettature / Threads

Gas conica conforme ISO 7.1, BS 21, DIN 2999 / Tapered gas in conformity with ISO 7.1, BS 21, DIN 2999.

Gas cilindrica conforme ISO 228 / Parallel gas in conformity with ISO 228.

Metrica conforme ISO R/262 / Metric in conformity with ISO R/262.

Fluidi compatibili / Fluids

Acqua, olio, aria compressa, fluidi in genere per l'impiantistica idraulica, oleodinamica, idropneumatica, ecc.

Water, oils, compressed air, fluids in general for the hydraulic, pneumatic and oil dynamic plants etc.

Tubi di collegamento / Connection Tubes

Tubi in rame, ferro, acciaio, alluminio, ottone, ecc.

Con apposito rinforzo interno (art. 10770), possono essere utilizzati anche tubi in PA11, PA6, ecc.

Tubes made in copper, steel, iron, aluminium, brass, etc. With an inside support bush (art. 10770), can be used also for plastic material such as PA11, PA6, etc.

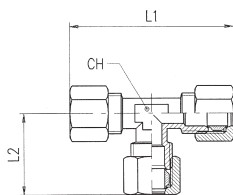
Coppia di serraggio / Torque specifications

COPPIE DI SERRAGGIO DADO SU OGIVA TORQUE FORCE ON OLIVE NUT			
Ø mm	N° GIRI CHIAVE N° KEY TURNS	FORZA Nm FORCE Nm	FORZA kgf FORCE kgf
4	1 ¼ + ¼	15	1,55
6	1 ¼ + ¼	18	1,85
8	1 ¼ + ¼	22	2,25
10	1 ¼ + ¼	45	2,25
12	1 ¼ + ¼	70	4,6
14	1 ¼ + ¼	80	8,15
15	1 + ¼	90	9,2
16	1 + ¼	90	9,2
18	1 + ¼	140	14,3
22	1 + ¼	160	16,3

FORZE DI SERRAGGIO, MINIME CONSIGLIATE, E N° DI GIRI UTILI, PER GARANTIRE UN MONTAGGIO CORRETTO
TORQUE FORCE, MINIMUM RECOMMENDED, AND USEFUL TURN, TO ENSURE A CORRECT INSTALLATION

13200

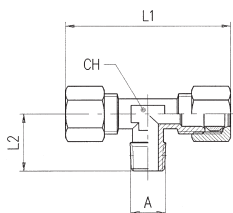
RACCORDO A T INTERMEDIO - TEE CONNECTOR



Codice Code	Tubo Tube	L1	L2	CH	Conf. Pack.
1320000001	4	44	22	8	25
1320000002	6	48	24	9	25
1320000003	8	57	28.5	12	25
1320000004	10	64	32	13	25
1320000005	12	69	35	14	25
1320000006	14	78	39	18	10
1320000007	15	77	38.5	18	10
1320000008	16	78.5	39.5	17	10
1320000009	18	83	41.5	20	10
1320000010	22	89	44.5	27	10

13220

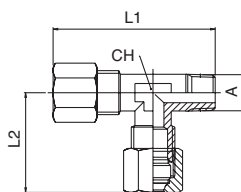
RACCORDO A T MASCHIO CENTRALE - TEE MALE ADAPTOR CENTRE LEG



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1322000001	4	1/8	45	15	8	50
1322000002	6	1/8	48	16.5	9	25
1322000003	6	1/4	48	20.5	9	25
1322000004	8	1/8	57	16.5	12	25
1322000005	8	1/4	57	20.5	12	25
1322000006	8	3/8	61	23	13	25
1322000007	10	1/4	64	22.5	13	25
1322000008	10	3/8	64	23.5	13	25
1322000009	10	1/2	68	27	14	25
1322000010	12	1/4	69	24.5	14	25
1322000011	12	3/8	69	25	14	25
1322000012	12	1/2	69	26.5	14	25
1322000013	14	3/8	74	26	16	25
1322000014	14	1/2	77	31	18	25
1322000015	15	1/2	78	31	18	25
1322000016	16	1/2	78.5	29	17	10
1322000017	18	1/2	83	29.5	20	10
1322000018	18	3/4	83	32.5	20	10
1322000019	22	3/4	89	34	27	10

13230

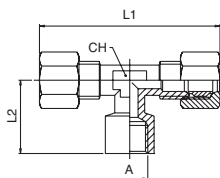
RACCORDO A T MASCHIO LATERALE - TEE MALE ADAPTOR OFF SET LEG



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1323000001	4	1/8	37.5	22.5	8	50
1323000002	6	1/8	40	25	9	25
1323000003	6	1/4	44	24	9	25
1323000004	8	1/8	45.5	28.5	12	25
1323000005	8	1/4	49	28.5	12	25
1323000006	8	3/8	52	28.5	13	25
1323000007	10	1/4	55	32	13	25
1323000008	10	3/8	55.5	32	13	25
1323000009	12	3/8	58.5	35	14	25
1323000010	12	1/2	60	35.5	15	25
1323000011	14	1/2	67	38.5	18	25

13240

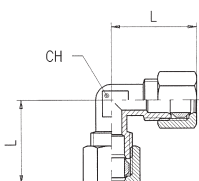
RACCORDO A T FEMMINA CENTRALE - TEE FEMALE CENTRE LEG



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1324000001	4	1/8	45	18	8	50
1324000002	6	1/8	47.5	19.5	9	50
1324000003	6	1/4	56	24.5	13	50
1324000004	8	1/8	57	19.5	12	50
1324000005	8	1/4	59	24.5	13	50
1324000007	10	1/4	64	24.5	13	25
1324000008	10	3/8	58	26	14	25
1324000009	10	1/2	69	26	15	25
1324000010	12	1/4	69	25.5	14	25
1324000011	12	3/8	69	26	14	25
1324000012	12	1/2	70	26	15	25
1324000013	14	1/2	77	30	18	25
1324000014	15	1/2	78	30	18	25
1324000015	16	1/2	77.5	28.5	17	10
1324000016	18	1/2	83	28	20	10
1324000017	18	3/4	83	34	20	10

13260

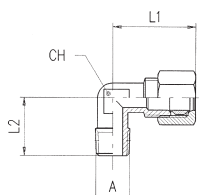
RACCORDO A L INTERMEDIO - ELBOW CONNECTOR



Codice Code	Tubo Tube	L	CH	Conf. Pack.
1326000001	4	21.5	8	50
1326000002	6	24	9	50
1326000003	8	30	11	25
1326000004	10	33	13	25
1326000005	12	36	14	25
1326000006	14	37	17	25
1326000007	15	38	17	25
1326000008	16	39.5	17	10
1326000009	18	41.5	20	10
1326000010	22	44.5	27	10

13280

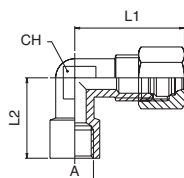
RACCORDO A L MASCHIO - ELBOW MALE ADAPTOR



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1328000001	4	1/8	21.5	15	8	50
1328000002	6	1/8	24	17	9	50
1328000003	6	1/4	24	19	9	50
1328000004	8	1/8	30	18	11	50
1328000005	8	1/4	30	21.5	11	50
1328000006	8	3/8	30.5	24	13	25
1328000007	10	1/4	33	23.5	13	25
1328000008	10	3/8	33	24.5	13	25
1328000009	10	1/2	35	25	14	25
1328000010	12	1/4	36	24	14	25
1328000011	12	3/8	36	26	14	25
1328000012	12	1/2	36	25	14	25
1328000013	14	3/8	39	26	17	25
1328000014	14	1/2	39	28.5	17	25
1328000015	15	1/2	39	28.5	17	25
1328000016	16	1/2	40	28	17	10
1328000017	18	1/2	41.5	29.5	20	10
1328000018	18	3/4	41.5	32	20	10
1328000019	22	3/4	44.5	34	27	10

13290

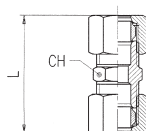
RACCORDO A L FEMMINA - ELBOW FEMALE ADAPTOR



Codice Code	Tubo Tube	A	L1	L2	CH	Conf. Pack.
1329000001	4	1/8	23	18	8	50
1329000002	6	1/8	24	18	9	50
1329000003	6	1/4	24.5	22.5	11	50
1329000004	8	1/8	30	21	11	50
1329000005	8	1/4	30.5	25.5	13	50
1329000006	8	3/8	31	25	14	25
1329000007	10	1/4	34	25	13	50
1329000008	10	3/8	34	25	14	50
1329000009	10	1/2	34	27	15	50
1329000010	12	1/4	36	26	14	25
1329000011	12	3/8	36	26	14	25
1329000012	12	1/2	36	27	15	25
1329000013	14	1/2	39	30	18	25
1329000014	15	1/2	39	30	18	25
1329000015	16	1/2	41.5	30	18	10
1329000016	18	1/2	41.5	29	20	10
1329000017	18	3/4	44.5	33.5	20	10

13460

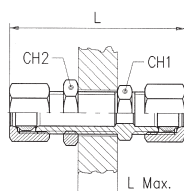
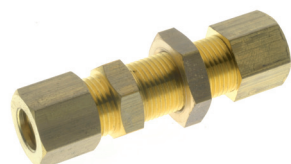
RACCORDO DIRITTO INTERMEDIO - STRAIGHT CONNECTOR



Codice Code	Tubo Tube	L	CH	Conf. Pack.
1346000001	4	33	10	50
1346000002	6	36	11	50
1346000003	8	40	13	50
1346000004	10	45.5	16	25
1346000005	12	47	18	25
1346000006	14	47.5	21	25
1346000007	15	52	21	25
1346000008	16	52.5	22	25
1346000009	18	56	26	10
1346000010	22	58.5	30	10

13465

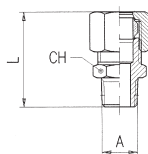
RACCORDO INTERMEDIO DI ATTRAVERSAMENTO - BULKHEAD CONNECTOR



Codice Code	Tubo Tube	L	L MAX	CH1	CH2	Conf. Pack.
1346500001	4	49	12	10	13	25
1346500002	6	52.5	12.5	13	14	25
1346500003	8	56.5	12.5	14	17	25
1346500004	10	63.5	13	19	22	25
1346500005	12	70.5	17	22	22	25
1346500006	14	72.5	19	24	24	25

13480

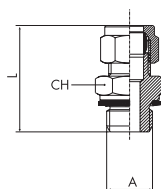
RACCORDO DIRITTO MASCHIO CONICO - STRAIGHT MALE ADAPTOR (TAPER)



Codice Code	Tubo Tube	A	L	CH	Conf. Pack.
1348000001	4	1/8	26.5	11	50
1348000002	4	1/4	29.5	14	50
1348000003	6	1/8	28	11	50
1348000004	6	1/4	31.5	14	50
1348000005	6	3/8	32	17	50
1348000006	8	1/8	30	13	50
1348000007	8	1/4	33.5	14	25
1348000008	8	3/8	34	17	25
1348000009	10	1/4	36	16	25
1348000010	10	3/8	36.5	17	25
1348000011	10	1/2	38	21	25
1348000012	12	1/4	37	18	25
1348000013	12	3/8	37.5	18	25
1348000014	12	1/2	39	21	25
1348000015	14	3/8	37.5	20	25
1348000016	14	1/2	40	21	25
1348000017	15	1/2	40	21	25
1348000018	16	1/2	42.5	22	10
1348000019	16	3/4	44	27	10
1348000020	18	1/2	43.5	24	10
1348000021	18	3/4	45	27	10
1348000022	22	1/2	46	30	10
1348000023	22	3/4	47.5	30	10

13485

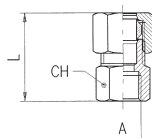
RACCORDO DIRITTO MASCHIO CILINDRICO - STRAIGHT MALE ADAPTOR (PARALLEL)



Codice Code	Tubo Tube	A	L	CH	Conf. Pack.
1348500001	4	1/8	26	13	25
1348500002	6	1/8	27	13	25
1348500003	6	1/4	30.5	17	25
1348500004	8	1/8	30	13	25
1348500005	8	1/4	32.5	17	25
1348500006	8	3/8	36.5	22	25
1348500007	10	1/4	35	17	25
1348500008	10	3/8	39	22	25
1348500009	14	3/8	40	22	25
1348500010	14	1/2	42	27	25
1348500011	22	3/4	49	32	10
1348500012	22	1"	52	40	10

13500

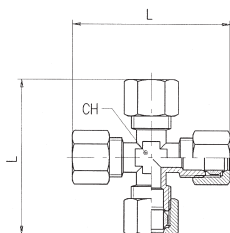
RACCORDO DIRITTO FEMMINA - STRAIGHT FEMALE ADAPTOR



Codice Code	Tubo Tube	A	L	CH	Conf. Pack.
1350000001	4	1/8	25	14	50
1350000002	4	1/4	27.5	17	50
1350000003	6	1/8	26	14	50
1350000004	6	1/4	28.5	17	50
1350000005	8	1/8	28	14	50
1350000006	8	1/4	30.5	17	50
1350000007	8	3/8	31.5	20	25
1350000008	10	1/4	33	17	25
1350000009	10	3/8	33.5	20	25
1350000010	10	1/2	35.5	24	25
1350000011	12	1/4	34	18	25
1350000012	12	3/8	34.5	20	25
1350000013	12	1/2	34	24	25
1350000014	14	3/8	36.5	20	25
1350000015	14	1/2	34	24	25
1350000016	15	1/2	36.5	24	25
1350000017	16	1/2	39	24	10
1350000018	16	3/4	40.5	30	10
1350000019	18	1/2	40	24	10
1350000020	18	3/4	41.5	30	10
1350000021	22	3/4	41.5	30	10

13510

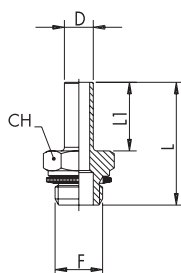
RACCORDO A CROCE - EQUAL CROSS



Codice Code	Tubo Tube	L	CH	Conf. Pack.
1351000001	4	47	8	25
1351000002	6	48	9	25
1351000003	8	58	11	25
1351000004	10	66	13	25
1351000005	12	74.5	17	25
1351000006	14	74.5	17	10

13530

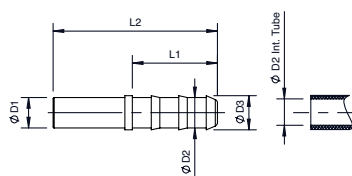
ADATTATORE ORIENTABILE MASCHIO CILINDRICO - ORIENTING MALE ADAPTOR PARALLEL



Codice Code	D	F	L	L1	CH	Conf. Pack.
1353000001	6	1/8	27.5	16	13	50
1353000002	6	1/4	31	16	17	50
1353000003	8	1/8	31.5	19	13	25
1353000004	8	1/4	34	19	17	25
1353000005	8	3/8	38	19	22	25
1353000006	10	1/4	35	20	17	25
1353000007	10	3/8	39	20	22	25
1353000008	14	3/8	40	21	22	25
1353000009	14	1/2	42	21	27	25

13540

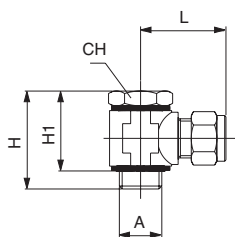
MANICOTTO PORTAGOMMA PER TUBO CAUCCIÙ - SLEEVE HOSE ADAPTER FOR CAOUTCHOUC TUBES



Codice Code	D1	D2	D3	L1	L	Conf. Pack.
135400001GG00	6	7	9	22.5	40.5	50
135400001GH00	8	7	9	22.5	43.5	50
135400001GP00	8	10	12	22.5	43.5	50
135400001GI00	10	7	9	22.5	44.5	25
135400001FR00	10	10	12	22.5	44.5	25
135400001FS00	12	10	12	22.5	45	25
135400001GM00	12	13	15.5	29.5	52	25
135400001GN00	14	13	15.5	29.5	52.5	25

13550

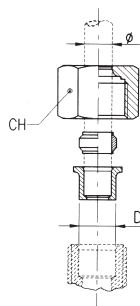
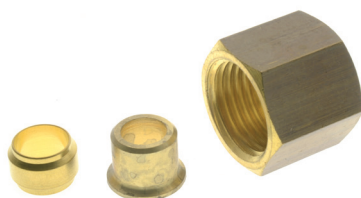
RACCORDO ORIENTABILE A L CON VITE - SINGLE BANJO BODY WITH STEM



Codice Code	Tubo Tube	A	L	H	H1	CH	Conf. Pack.
1355000001	4	1/8	22.5	31	24.5	14	25
1355000002	6	1/8	23.5	31	24.5	14	25
1355000003	6	1/4	26.5	32	25	17	25
1355000004	8	1/8	28.5	31	24.5	14	25
1355000005	8	1/4	28.5	32	25	17	25
1355000006	8	3/8	30	36	27.5	19	25
1355000007	10	1/4	32.5	32	25	17	25
1355000008	10	3/8	32.5	36	27.5	19	25
1355000009	14	1/4	37	44	38	17	25
1355000010	14	3/8	37	46	38	22	25
1355000011	14	1/2	37	49	39.5	24	10
1355000012	22	3/4	47	64	55	32	10

13600

RIDUZIONE - REDUCTION

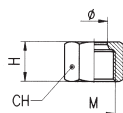


Codice Code	Tubo Tube	D	CH	Conf. Pack.
1360000001	4	6	13	10
1360000002	6	8	14	10
1360000003	8	10	19	10
1360000004	10	12	22	10
1360000005	12	14	24	10

Questo articolo è comprensivo di tre particolari quali: Dado, Ogiva, Riduzione.
This article is comprehensive of 3 parts: Nut, Olive, Reduction.

13680

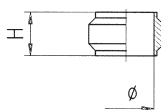
DADO - NUT



Codice Code	Tubo Tube	H	CH	M	Conf. Pack.
136800001X100	4	10.5	10	M8x1	50
136800001X400	6	10.5	13	M10x1	50
136800001X700	8	12.5	14	M12x1	50
136800001X900	10	15	19	M16x1.5	50
136800001Y100	12	15	22	M18x1.5	50
136800001Y300	14	15	24	M20x1.5	25
136800001Y400	15	15	24	M20x1.5	25
136800001Y500	16	17	27	M22x1.5	25
136800001Y700	18	18	30	M24x1.5	25
136800001J100	22	19	36	M30x1.5	10

13740

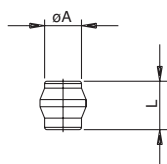
OGIVA OTTONE - BRASS OLIVE



Codice Code	Tubo Tube	H	Conf. Pack.
137400001X100	4	6	50
137400001X400	6	6.5	50
137400001X700	8	7	50
137400001X900	10	8	50
137400001Y100	12	8.5	50
137400001Y300	14	8.5	25
137400001Y400	15	8.5	25
137400001Y500	16	9	25
137400001Y700	18	9.5	25
137400001J100	22	10	10

13780

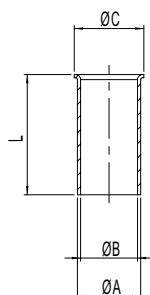
TAPPO PER RACCORDI UNIVERSALI - PLUG FOR UNIVERSAL FITTINGS



Codice Code	A	L	Conf. Pack.
137800001X100	4	10	50
137800001X400	6	10.5	50
137800001X700	8	10.5	50
137800001X900	10	11.5	50
137800001Y100	12	12	50
137800001Y300	14	14	25
137800001Y400	15	14	25
137800001Y500	16	14	25
137800001Y700	18	16	25
137800001J100	22	15	25

10770

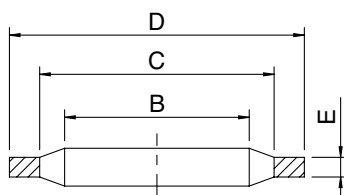
BUSSOLA DI RINFORZO - INTERNAL SUPPORT BUSH



Codice Code	Tubo Tube	A	B	C	L	Conf. Pack.
1077000011D00	4/2.7	2.7	2.1	3.7	13	50
1077000013D00	6/4	4	3.2	5	13	50
1077000014D00	8/6	6	5	7	16.5	50
1077000015D00	10/8	8	7	9	17	50
1077000017D00	12/9	9	8	11	19	50
1077000018D00	12/10	10	9	11	19	50
1077000010E00	14/12	12	11	13.5	21	50
1077000011E00	15/12.5	12.5	11.6	14	21	50
1077000013E00	16/13	13	12	15.5	22	50
1077000017E00	18/15	15	14	17.5	23	50
1077000018E00	18/16	16	15	17.5	23	50
1077000010F00	22/18	18	17	21	25	50

1612

RONDELLA BIMATERIALE IN ACCIAIO E NBR - STEEL AND NBR BIMATERIAL WASHER



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

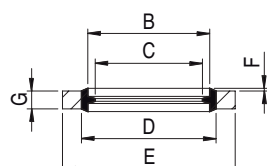
Temperatura minima / minimum temperature: **-30°C**

Temperatura massima / maximum temperature: **+100°C**

Codice Code	Misura Size	B	C	D	E	Conf. Pack.
0161200001	1/8	10.4	12	14.7	1.25	25
0161200002	1/4	13.85	15.75	18.7	1.25	25
0161200003	3/8	17.35	19.25	22.7	1.25	25
0161200004	1/2	21.65	23.55	26.7	1.25	25
0161200005	3/4	27.3	29.2	32.5	1.25	25
0161200006	1"	34.2	36.1	39.5	2	25

1613

RONDELLA AUTOCENTRANTI BIMATERIALE IN ACCIAIO E NBR - STEEL AND NBR CENTERING BIMATERIAL WASHER



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

Temperatura minima / minimum temperature: **-30°C**

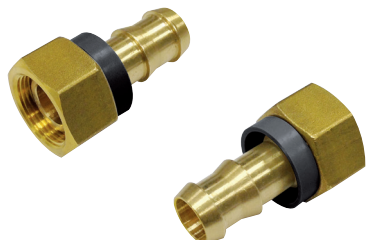
Temperatura massima / maximum temperature: **+100°C**

Codice Code	Misura Size	B	C	D	E	F	G	Conf. Pack.
0161300001	1/8	10,37	8,56	11,84	14	2	0,3	25
0161300002	1/4	13,74	11,45	15,21	17	2	0,3	25
0161300003	3/8	17,28	14,96	18,75	22	2	0,3	25
0161300004	1/2	21,54	18,64	23,01	26	2,5	0,4	25
0161300005	3/4	27,05	24,13	28,53	32	2,5	0,4	25
0161300006	1"	33,89	30,30	36,88	41	3,2	0,5	25

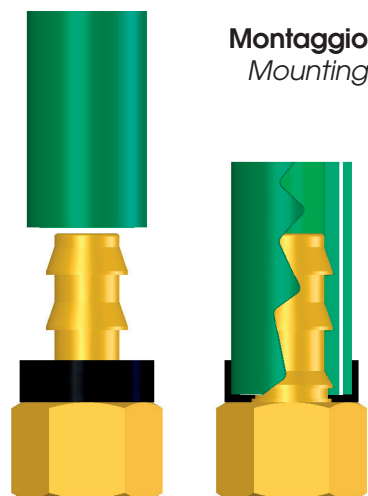
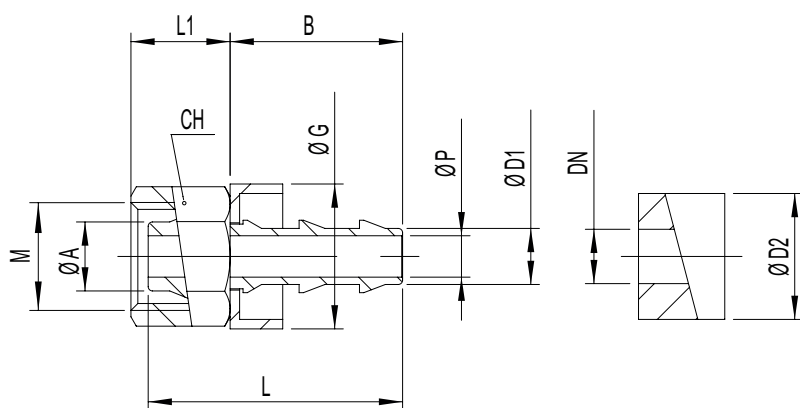
RACCORDO PORTAGOMMA PER TUBO AUTOBLOCCANTE

HOSE ADAPTER FOR LOCKING HOSE SELF

13800

RACCORDO PORTAGOMMA FEMMINA PER TUBO AUTOBLOCCANTE - FEMALE HOSE ADAPTER FOR LOCKING HOSE SELF


Codice Code	M	ØA	DN	ØD1	ØD2	CH	ØG	L	B	L1	ØP	Conf. Pack.
1380000001	M10x1	6	1/4	6.5	13	12	16.7	32.5	20	11.5	4.8	10
1380000002	M12x1	8	1/4	6.5	13	14	16.7	29.5	20	12.5	4.8	10
1380000003	M16x1.5	10	1/4	6.5	13	19	16.7	30.5	24	14	4.8	10
1380000004	M16x1.5	10	3/8	9.5	16	19	19.5	34.5	24	14	7.5	10
1380000005	M20x1.5	14	3/8	9.5	16	24	19.5	36	28	15	7.5	10
1380000006	M20x1.5	14	1/2	12.7	19	24	23.5	40	28	15	10	10
1380000007	M24x1.5	18	1/2	12.7	19	30	23.5	40.5	36.5	17	10	10
1380000008	M24x1.5	18	5/8	15.7	23	30	27.3	49	36.5	17	13.5	10
1380000009	M30x1.5	22	3/4	18.8	27	36	30.8	57.5	43	17	16	10

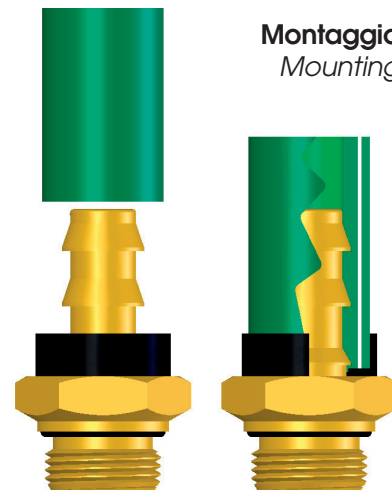
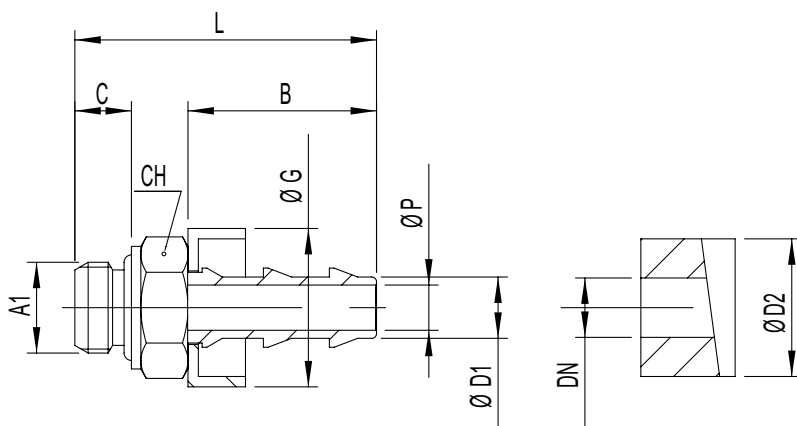


Montaggio
Mounting

13810

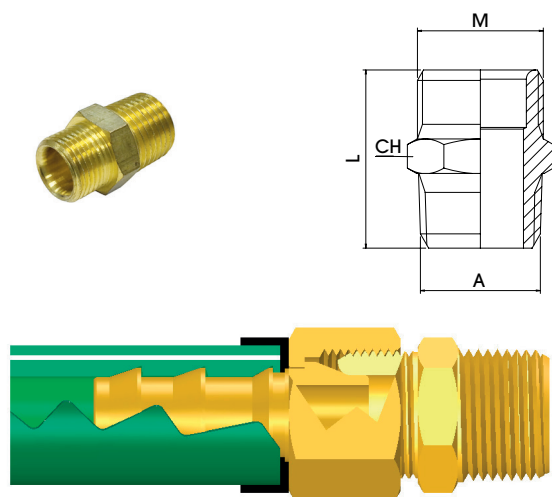
RACCORDO PORTAGOMMA MASCHIO PER TUBO AUTOBLOCCANTE - MALE HOSE ADAPTER FOR LOCKING HOSE SELF


Codice Code	A1	DN	ØD1	ØD2	CH	ØG	L	B	C	ØP	Conf. Pack.
1381000001	G1/8	1/4	6.5	13	13	16.7	32	20	6	4.8	10
1381000002	G1/4	1/4	6.5	13	17	16.7	35.5	20	8	4.8	10
1381000003	G1/4	3/8	9.5	16	17	19.5	39.5	24	8	7.5	10
1381000004	G3/8	3/8	9.5	16	22	19.5	41	24	9	7.5	10
1381000005	G3/8	1/2	12.7	19	22	23.5	45	28	9	10	10
1381000006	G1/2	1/2	12.7	19	27	23.5	47	28	10	10	10
1381000007	G1/2	5/8	15.7	23	27	27.3	55	36.5	10	13.5	10
1381000008	G3/4	5/8	15.7	23	32	27.3	58.5	36.5	12	13.5	10
1381000009	G3/4	3/4	18.8	27	32	30.8	65	43	12	16	10



Montaggio
Mounting

13820

NIPPLO - NIPPLE


Codice Code	M	Tubo Tube	A	L	CH	Conf. Pack.
1382000001	M10x1	6	1/8	20	11	10
1382000002	M10x1	6	1/4	23,5	14	10
1382000003	M10x1	6	3/8	24	17	10
1382000004	M12x1	8	1/8	20,5	13	10
1382000005	M12x1	8	1/4	24	14	10
1382000006	M12x1	8	3/8	24,5	17	10
1382000007	M16x1,5	10	1/4	26	16	10
1382000008	M16x1,5	10	3/8	26,5	17	10
1382000009	M16x1,5	10	1/2	28	21	10
1382000010	M20x1,5	14	3/8	26,5	20	10
1382000011	M20x1,5	14	1/2	29	21	10
1382000012	M24x1,5	18	1/2	31	24	10
1382000013	M24x1,5	18	3/4	32,5	27	10
1382000014	M30x1,5	22	3/4	33,5	30	10
1382000015	M30x1,5	22	1/2	32	30	10

Tubo Autobloccante / Push-Lock Hose

Caratteristiche Tecniche / Technical Characteristics

Materiali / Materials

Sottotrato: NBR/PVC liscio resistente alle abrasioni, agli oli e agli agenti atmosferici.

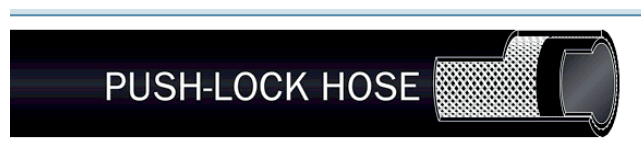
Armatura: Tela Tessile.

Rivestimento: NBR/PVC liscio resistente alle abrasioni, agli oli e agli agenti atmosferici.

Sublayer: NBR/PVC smooth, abrasion, oil and weather resistant.

Aarmor: Cloth Textiles.

Finish: NBR/PVC smooth, abrasion, oil and weather resistant.



Fluidi compatibili / Fluids

Aria compressa / Compressed air.

Acqua / Water

Olio Idraulico / Hydraulic Oils

Acqua Glicole / Water Glycol

Gasolio / Diesel Fuel

Benzina / Petrol

Colori Standard / Standard Colors

RE (ROSSO/RED)

BL (BLU/BUE)

VE (VERDE/GREEN)

NE (NERO/BLACK)

Temperature / Temperatures

Con Aria / With Air:

-20°C / +110°C (CON PICCHI DI 125°C / PEAK +125°C)

Con Acqua / With Water:

0°C / +100°C (CON PICCHI DI 110°C / PEAK +110°C)

Con Olio Idraulico / With Hydraulic Oil:

-20°C / +70°C (CON PICCHI DI 90°C / PEAK +90°C)

Con Acqua Glicole / With Water Glycol:

-20°C / +70°C (CON PICCHI DI 90°C / PEAK +90°C)

Pressioni / Pressures

Pressione minima / Minimum pressure: -0.99 bar (-0.099 MPa)

Pressione massima / Maximum pressure: 16 bar (1.6 MPa)

TBPL

TUBO AUTOBLOCCANTE - PUSH-LOCK HOSE


Codice Code	Codice Code	Codice Code	Codice Code	Int. inch	Int. mm	Est. mm	Raggio Curvatura Bending Radius	Pressione d'esercizio Working pressure (a/at 23°C)	Pressione di scoppio Bursting pressure (a/at 23°C)	Conf. Pack.
TBPL1/40RO100	TBPL1/40BL100	TBPL1/40VE100	TBPL1/40NE100	1/4	6.3	12.4	45 mm	16 bar	64 bar	100 Mt
TBPL3/80RO100	TBPL3/80BL100	TBPL3/80VE100	TBPL3/80NE100	3/8	9.6	15.5	75 mm	16 bar	64 bar	100 Mt
TBPL1/20RO100	TBPL1/20BL100	TBPL1/20VE100	TBPL1/20NE100	1/2	12.7	18.7	90 mm	16 bar	64 bar	100 Mt
TBPL5/80RO080	TBPL5/80BL080	TBPL5/80VE080	TBPL5/80NE080	5/8	16	22.9	115 mm	16 bar	64 bar	80 Mt
TBPL3/40RO080	TBPL3/40BL080	TBPL3/40VE080	TBPL3/40NE080	3/4	19.2	26.5	135 mm	16 bar	64 bar	80 Mt