



UNIK
PLATED SCREW FITTINGS
FOR MULTILAYER PIPE IN ONE PIECE

UNIK
*RACCORDI A STRINGERE GALVANICAMENTE TRATTATI
PER TUBO MULTISTRATO - PEZZO UNICO*



TYPE OF PRODUCT

Brass screw fittings

FUNCTION

Fittings for sanitary water supply system
Fittings for heating systems

SYSTEM

The compatibility of the fittings with multilayer pipes manufactured by others or of different type must be expressly approved by Comisa S.p.A. which, after executing its tests protocol, shall issue a guarantee certificate.

INSTRUCTIONS FOR USE

Please follow the instructions provided by Comisa S.p.A. strictly.

PERFORMANCE

Maximum operating pressure	10 bars
Maximum operating temperature	95° C
Maximum peak temperature	110° C (1 hr)

Data refers to the Comisa fittings combined with Comisa multilayer pipe

WARRANTY

10 years in compliance with the law. Such warranty shall not be deemed valid in case:

- Installation is not carried out according to the installation instructions indicated in the Comisa S.p.A. publications
- The circuit is used for conveying liquids different from those indicated in the Comisa S.p.A. publications
- Liquids are introduced into the circuit at pressure and temperature values different from the respective restrictions indicated in the Comisa S.p.A. publications

CERTIFICATES

The Comisa fitting system is certified by DVGW (n. DW-8501BT0290)

For the installation of compression fittings, it is not necessary to avail of pressure tools and jaws; the seal is carried out simply by tightening a nut with a normal wrench.

This operation causes the deformation of a compression ring which compresses the multilayer pipe on the tail which is inserted into it.

The materials used for the components of the fittings and the O-rings are exactly the same as the Comisa Press fittings and the guarantee of duration is identical.

In the Comisa Unik series fitting and tail are a single component. Both series of fittings are used in the same way and have the same features: the choice is dictated only by the preference of the installer.

TIPOLOGIA PRODOTTO

Raccordi a stringere in ottone

FUNZIONE

Raccordi per impianti di adduzione acqua sanitaria
Raccordi per impianti di riscaldamento

SISTEMA

La compatibilità dei raccordi con tubo multistrato di altro produttore o di diversa tipologia deve essere esplicitamente richiesta a Comisa S.p.A. che, dopo avere attuato un proprio protocollo di prove, rilascerà una certificazione di garanzia.

SPECIFICHE PER L'UTILIZZO

Seguire scrupolosamente le istruzioni fornite da Comisa S.p.A.

PRESTAZIONI

Pressione max di esercizio	10 bar
Temperatura max di esercizio	95°C
Temperatura max di picco	110°C (1 h)

I dati sono riferiti ai raccordi Comisa abbinati a tubo multistrato Comisa.

GARANZIA

10 anni a norma di legge. Tale garanzia decade qualora:

- l'installazione non avvenga secondo le istruzioni di montaggio riportate nelle pubblicazioni di Comisa S.p.A.
- Il sistema venga impiegato per condurre liquidi diversi da quelli riportati nelle pubblicazioni di Comisa S.p.A.
- Nel sistema vengano immessi liquidi a valori di pressione e temperatura diversi dai rispettivi limiti riportati nelle pubblicazioni di Comisa S.p.A.

CERTIFICAZIONI

Il sistema di raccordi Comisa è certificato da DVGW (n. DW-8501BT0290)

Per l'installazione di raccordi a stringere non è necessario disporre di macchina pressatrice e di ganasce; la tenuta viene effettuata semplicemente stringendo un dado con una normalissima chiave. Questa operazione causa la deformazione di una ogiva che comprime il tubo multistrato sul portagomma che vi è inserito. I materiali utilizzati per i componenti dei raccordi e gli OR sono esattamente gli stessi dei raccordi Comisa e la garanzia di durata è identica.

Nella serie Unik corpo raccordo e portagomma sono realizzati in unico elemento.

Entrambe le serie di raccordi trovano la stessa applicazione ed hanno le medesime caratteristiche: la scelta è dettata solo dalla preferenza dell'installatore.



Following the introduction on the market of multilayer pipes or fittings of uncontrolled origin, in order to protect their customers, COMISA states as follows:

The COMISA screw system, DVGW Certificate No. DW-8501BT0290, includes:

• COMISA screw fittings • COMISA multilayer pipe

For the use of pipe or fittings of other producer and/or of other sources, Comisa does not guarantee the perfect functioning, if not after the customer's request, following which COMISA will implement its test procedure for inspection.

After successful testing, Comisa will issue a certificate of guarantee.

WARNING: The pipe calibration is important and must be made with chip removal calibrators. Do not use calibrators for PE-X as not adequate.



/ A seguito della immissione sul mercato di tubi multistrato o di raccorderie di incontrollata provenienza, al fine di tutelare la propria clientela, COMISA precisa quanto segue:

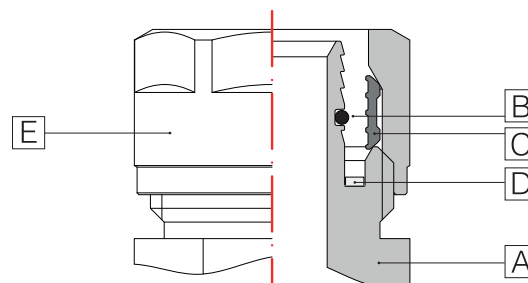
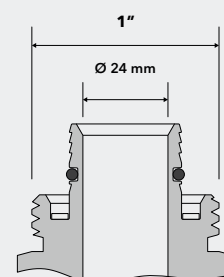
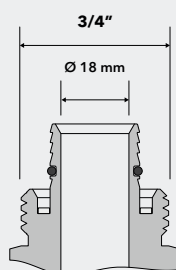
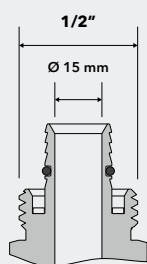
Il sistema a stringere COMISA, certificato DVGW n. 8501BT0290, è composto da:

• Raccordi a stringere COMISA • Tubo multistrato COMISA

Per l'utilizzo di tubo o di raccorderie di altro produttore e/o di altra provenienza, non si garantisce il perfetto funzionamento, se non previa richiesta del cliente, a seguito della quale Comisa attuerà il proprio protocollo di test per la verifica stessa.

Ad esito positivo delle prove, COMISA rilascerà una autocertificazione di garanzia.

ATTENZIONE: La calibrazione del tubo è importantissima e deve essere fatta con calibratori ad asportazione di truciolo. Non utilizzare calibratori per tubo PE-X in quanto non adeguati.

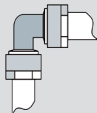
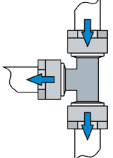
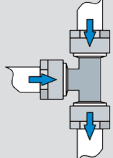
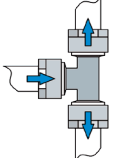
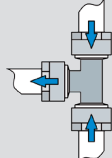
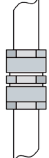
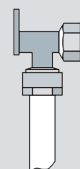
**UNIK SIZES / MISURE UNIK****MATERIALS / MATERIALI**

- A) **Body:** EN 12165 CW 617 N brass suitable for the passage of nutritional liquids intended for human consumption
- B) **O-Ring:** made with EPDM-peroxide blend
- C) **Olive:** EN 12165 CW 617 N brass suitable for the passage of nutritional liquids intended for human consumption
- D) **Spacer:** Insulating plastic material
- E) **Nut:** EN 12165 CW 617 N brass suitable for the passage of nutritional liquids intended for human consumption

- A) **Corpo:** ottone EN 12165 CW 617 N adatto per il passaggio di liquidi alimentari destinati al consumo umano
- B) **O-Ring:** realizzati con mescola EPDM-perossido
- C) **Ogiva:** ottone EN 12165 CW 617 N adatto per il passaggio di liquidi alimentari destinati al consumo umano
- D) **Distanziale:** materiale plastico isolante
- E) **Dado:** ottone EN 12165 CW 617 N adatto per il passaggio di liquidi alimentari destinati al consumo umano

TABLE FOR CALCULATING LOCALISED FRICTION LOSSES (EXPRESSED IN EQUIVALENT PIPE METRES) EQUIVALENT LENGTHS

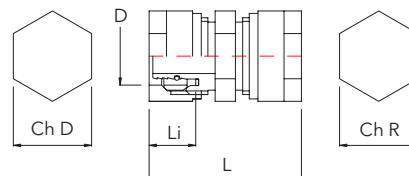
/ TABELLA PER IL CALCOLO DELLE PERDITE DI CARICO LOCALIZZATE (ESPRESSE IN METRI EQUIVALENTI DI TUBO) LUNGHEZZE EQUIVALENTI

							
Ø 16 x 2,0	0,80	0,70	0,60	1,40	1,80	0,35	0,80
Ø 20 x 2,0	1,30	1,15	1,00	1,90	2,70	0,50	1,30
Ø 26 x 3,0	1,80	1,60	1,40	2,50	4,30	0,65	1,80
Ø 32 x 3,0	2,70	2,30	2,00	4,20	6,30	0,85	2,70

SIZE 	CH D	CH R	D	LI	L	TECH. CODE
16 x 2	24	21	ø 16	15	47	RM257000016N
20 x 2	27	27	ø 20	16	52	RM257000020N
26 x 3	37	33	ø 26	16	55	RM257000026N
32 x 3	48	43	ø 32	23	69	RM257000032N
16 x 2 - 20 x 2	24 - 27	27	ø 16 - ø 20	15 - 16	50	RM2570R2016N

2570 - 2570R

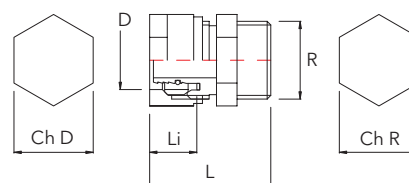
STRAIGHT COUPLER
/ RACCORDO DIRITTO



SIZE 	CH D	CH R	D	LI	L	R	TECH. CODE
16 x 2 - 1/2"	24	21	ø 16	15	38	1/2"	RM257100516N
16 x 2 - 3/4"	24	27	ø 16	15	39	3/4"	RM257100716N
20 x 2 - 1/2"	27	27	ø 20	16	41	1/2"	RM257100520N
20 x 2 - 3/4"	27	27	ø 20	16	41	3/4"	RM257100720N
26 x 3 - 3/4"	37	33	ø 26	16	45	3/4"	RM257100726N
26 x 3 - 1"	37	33	ø 26	16	45	1"	RM257101026N
32 x 3 - 1"	48	43	ø 32	23	54	1"	RM257101032N

2571

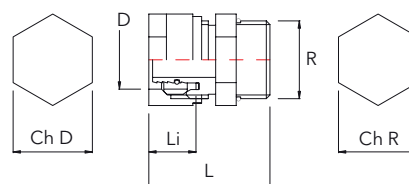
MALE COUPLER
/ RACCORDO DIRITTO MASCHIO



SIZE 	CH D	CH R	D	LI	L	R	TECH. CODE
16 x 2 - 1/2" + OR	24	23	ø 16	15	38	1/2"	RM257200516N
20 x 2 - 1/2" + OR	27	27	ø 20	16	41	1/2"	RM257200520N

2572

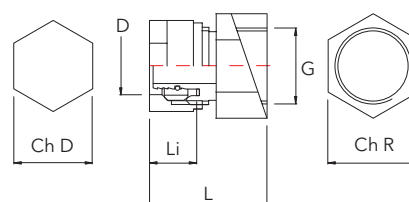
MALE COUPLER WITH O-RING
/ RACCORDO DIRITTO MASCHIO
CON O-RING



SIZE 	CH D	CH R	D	LI	L	G	TECH. CODE
16 x 2 - 1/2"	24	25	ø 16	15	38	1/2"	RM258000516N
16 x 2 - 3/4"	24	31	ø 16	15	38	3/4"	RM258000716N
20 x 2 - 1/2"	27	25	ø 20	16	38	1/2"	RM258000520N
20 x 2 - 3/4"	27	31	ø 20	16	40	3/4"	RM258000720N
26 x 3 - 3/4"	37	38	ø 26	16	43	3/4"	RM258000726N
26 x 3 - 1"	37	38	ø 26	16	43W	1"	RM258001026N
32 x 3 - 1"	48	43	ø 32	23	54	1"	RM258001032N

2580

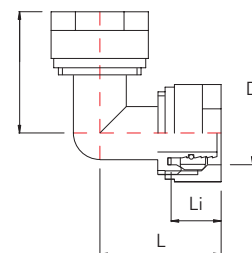
FEMALE COUPLER
/ RACCORDO DIRITTO FEMMINA





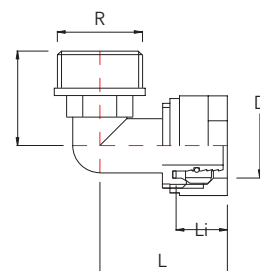
SIZE 	CH D	D	LI	L	H	TECH. CODE
16 x 2	24	ø 16	15	37	37	RM256000016N
20 x 2	27	ø 20	16	38	38	RM256000020N
26 x 3	37	ø 26	16	43	43	RM256000026N
32 x 3	48	ø 32	23	54	54	RM256000032N

2560
ELBOW 90°
/ GOMITO 90°



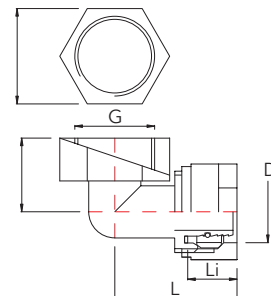
SIZE 	CH D	D	LI	L	H	R	TECH. CODE
16 x 2 - 1/2"	24	ø 16	15	37	27	1/2"	RM256100516N
16 x 2 - 3/4"	24	ø 16	15	38	30	3/4"	RM256100716N
20 x 2 - 1/2"	27	ø 20	16	40	30	1/2"	RM256100520N
20 x 2 - 3/4"	27	ø 20	16	40	30	3/4"	RM256100720N
26 x 3 - 3/4"	37	ø 26	16	43	30	3/4"	RM256100726N
26 x 3 - 1"	37	ø 26	16	43	36	1"	RM256101026N
32 x 3 - 1"	48	ø 32	23	53	46	1"	RM256101032N

2561
MALE ELBOW 90°
/ GOMITO 90° MASCHIO



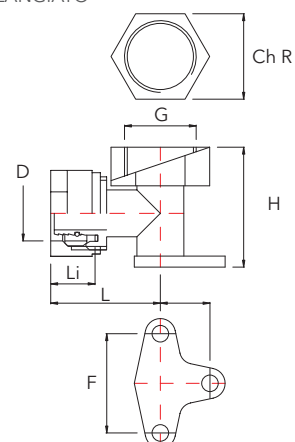
SIZE 	CH D	CH R	D	LI	L	H	G	TECH. CODE
16 x 2 - 1/2"	4	25	ø 16	15	37	25	1/2"	RM256200516N
16 x 2 - 3/4"	24	31	ø 16	15	38	25	3/4"	RM256200716N
20 x 2 - 1/2"	27	31	ø 20	16	40	25	1/2"	RM256200520N
20 x 2 - 3/4"	27	31	ø 20	16	40	25	3/4"	RM256200720N
26 x 3 - 3/4"	7	38	ø 26	16	43	36	3/4"	RM256200726N
26 x 3 - 1"	37	38	ø 26	16	43	36	1"	RM256201026N
32 x 3 - 1"	8	\	ø 32	23	53	45	1"	RM256201032N

2562
FEMALE ELBOW 90°
/ GOMITO 90° FEMMINA



SIZE 	CH D	CH R	D	LI	L	H	G	F	TECH. CODE
16 x 2 - 1/2"	24	25	ø 16	15	37	39	1/2"	36	RM256300516N
16 x 2 - 3/4"	24	31	ø 16	15	38	44	3/4"	36	RM256300716N
20 x 2 - 1/2"	27	31	ø 20	16	40	44	1/2"	36	RM256300520N
20 x 2 - 3/4"	27	31	ø 20	16	40	44	3/4"	36	RM256300720N

2563
WALLPLATE ELBOW 90°
/ GOMITO 90° FLANGIATO



3 FIXING HOLES

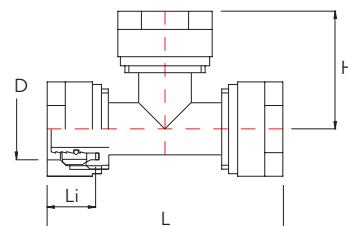


SIZE 	CH D	D	LI	L	H	TECH. CODE
16 x 2	24	ø 16	15	74	37	RM255000016N
20 x 2	27	ø 20	16	76	38	RM255000020N
26 x 3	37	ø 26	16	86	43	RM255000026N
32 x 3	48	ø 32	23	106	53	RM255000032N

2550

TEE

/ RACCORDO A T

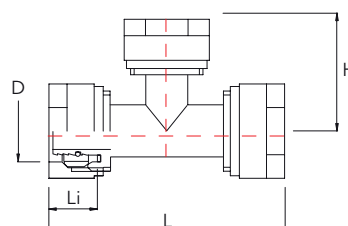


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2553

REDUCING TEE

/ RACCORDO A T RIDOTTO

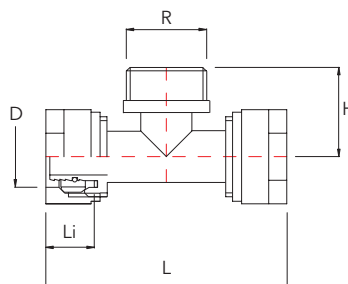


SIZE 	CH D	D	LI	L	H	R	TECH. CODE
16 x 2 - 1/2" - 16 x 2	24	ø 16	15	73	27	1/2"	RM255100516N
20 x 2 - 1/2" - 20 x 2	27	ø 20	16	79	29	1/2"	RM255100520N
20 x 2 - 3/4" - 20 x 2	27	ø 20	16	79	30	3/4"	RM255100720N
26 x 3 - 3/4" - 26 x 3	37	ø 26	16	86	31	3/4"	RM255100726N
26 x 3 - 1" - 26 x 3	37	ø 26	16	86	36	1"	RM255101026N
32 x 3 - 1" - 32 x 3	48	ø 32	23	106	46	1"	RM255101032N

2551

MALE TEE

/ RACCORDO A T MASCHIO

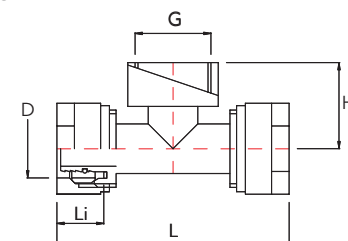


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20 x 2 - 1/2" - 20 x 2	27	ø 20	16	79	29	1/2"	RM255200520N
20 x 2 - 3/4" - 20 x 2	27	ø 20	16	79	29	3/4"	RM255200720N
26 x 3 - 3/4" - 26 x 3	37	ø 26	16	86	36	3/4"	RM255200726N
26 x 3 - 1" - 26 x 3	37	ø 26	16	86	36	1"	RM255201026N
32 x 3 - 1" - 32 x 3	48	ø 32	23	106	46	1"	RM255201032N

2552

FEMALE TEE

/ RACCORDO A T FEMMINA



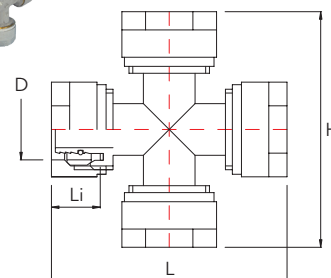


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20 x 2	27	ø 20	16	77	77	RM255400020N

2554

CROSS FITTING

/ RACCORDO AT FEMMINA





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COMISA



WWW.COMISA.IT