

**PVC-C  
PRESSURE  
FITTINGS**



## METRIC SERIES

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**FEATURES**

- PVC-C fittings for the PVC-C pipe union.
- Material: PVC-U.
- Injection moulding.
- Density: 1,5 g/cm<sup>3</sup>.
- Color: grey RAL 7042.
- Dimensions: socket fittings D16 to D110 and threaded fittings from ¼" to 4".
- Dimensions:
  - Socket fittings according to EN 1452-3.
  - Threaded fittings according to ISO 7/1.
- For tubes according to EN 1452-2.
- Socket fittings: we recommend solvent cement THF basis.
- Threaded fittings: in order to guarantee the watertightness, PTFE thread-wrap tape must be used. In PVC-U metal unions, use PVC-U as the male.

**CARACTERÍSTICAS**

- Accesorios en PVC-C para unión de tuberías de PVC-C.
- Moldeo por inyección.
- Densidad: 1,5 g/cm<sup>3</sup>.
- Color: gris RAL 7042.
- Dimensiones: accesorios encolar de D16 hasta D100 y accesorios roscar de ¼" a 4".
- Dimensiones:
  - Accesorios encolar según la norma EN 1452-3.
  - Accesorios roscados según la norma ISO 7/1.
- Para tubos según norma EN 1452-2.
- Accesorios encolar: recomendamos el uso de cola a base de THF.
- Accesorios roscados: para garantizar la estanqueidad sólo es admisible el uso de cinta de PTFE. En uniones PVC-U-metal, el macho debe ser el PVC-U.



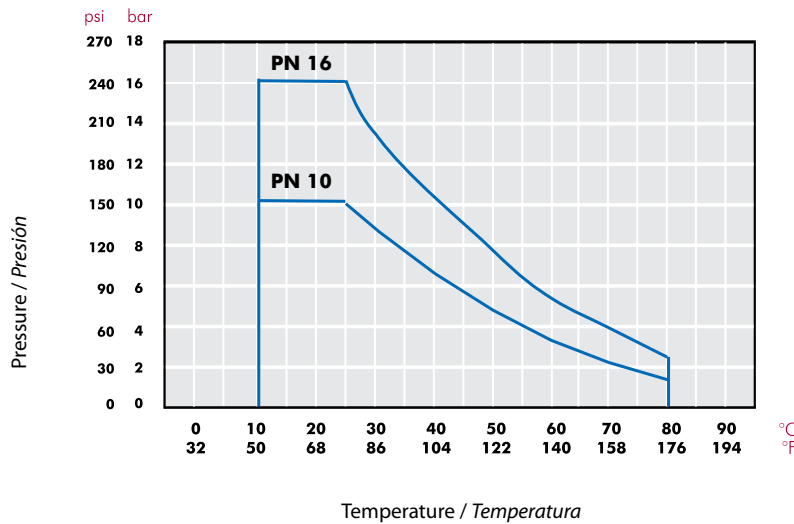
FIG.	Details	Detalles
1	Logo, material, dimensions, PN	Logo, material, dimensiones, PN
2	European standard, N (Aenor), Kiwa o NF (Afnor)	Norma europea, N (Aenor), Kiwa o NF (Afnor)
3	Marked at 45°	Marcaje a 45°

**TECHNICAL CHARACTERISTICS**

**CARACTERÍSTICAS TÉCNICAS**

Unions Uniones	Sizes Medidas	Working pressure at 20°C Presión de servicio a 20°C
Solvent socket / Encolar	D16 - D140	PN 16 (240 psi)
Solvent socket / Encolar	D160 - D315	PN10 (150 psi)
Threaded / Roscar	½" - 4"	PN 10 (150 ps)

**PRESSURE / TEMPERATURE GRAPH**  
**DIAGRAMA PRESIÓN / TEMPERATURA**

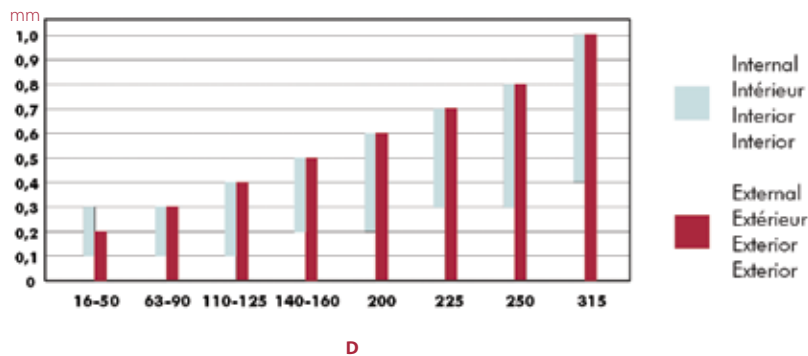


Life: 25 years  
Hydrostatic maximum pressure a component may withstand in continuous service (without overpressure)

Vida útil: 25 años  
Presión hidrostática máxima que un componente es capaz de soportar en servicio continuo (sin sobrepresión)

**TOLERANCE GRAPH**  
**DIAGRAMA TOLERANCIAS**

(mm x D solvent socket)  
EN 1452



## ELBOWS

### CODOS

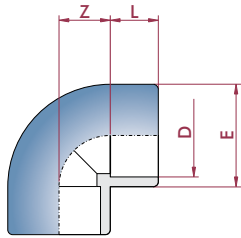
#### CP. 01. SF - PVC-C 90° ELBOW

##### 90° elbow

- Female solvent socket
- Metric series

##### Codo 90°

- Encolar hembra
- Serie métrica



D	DN	PN	REF.	CODE
16	10	16	36 01 016	<b>50692</b>
20	15	16	36 01 020	<b>50693</b>
25	20	16	36 01 025	<b>50694</b>
32	25	16	36 01 032	<b>50695</b>
40	32	16	36 01 040	<b>50696</b>
50	40	16	36 01 050	<b>50697</b>
63	50	16	36 01 063	<b>50698</b>
75	65	16	36 01 075	<b>50699</b>
90	80	16	36 01 090	<b>50700</b>
110	100	16	36 01 110	<b>50701</b>

L	Z	E
17	9	21
21	11	26
26	14	32
31	17	40
36	21	49
42	26	62
51	33	77
43	39	90
50	46	108
60	56	131

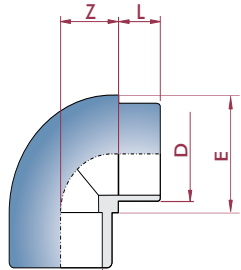
#### CP. 01. SFT - PVC-C 90° ELBOW

##### 90° elbow

- Female solvent socket & male solvent socket
- Metric series

##### Codo 90°

- Encolar hembra y encolar macho
- Serie métrica



D	DN	PN	REF.	CODE
16	15	16	36 29 216	<b>50788</b>
20	20	16	36 29 220	<b>50789</b>
25	25	16	36 29 225	<b>50790</b>
32	32	16	36 29 232	<b>50791</b>

L	Z	E
17	10	21
21	11	26
26	12	32
31	15	40

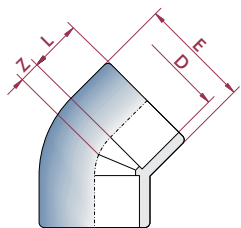
#### CP. 02. SF - PVC-C 45° ELBOW

##### 45° elbow

- Female solvent socket
- Metric series

##### Codo 45°

- Encolar hembra
- Serie métrica



D	DN	PN	REF.	CODE
16	10	16	36 02 016	<b>50702</b>
20	15	16	36 02 020	<b>50703</b>
25	20	16	36 02 025	<b>50704</b>
32	25	16	36 02 032	<b>50705</b>
40	32	16	36 02 040	<b>50706</b>
50	40	16	36 02 050	<b>50707</b>
63	50	16	36 02 063	<b>50708</b>
75	65	16	36 02 075	<b>50709</b>
90	80	16	36 02 090	<b>50710</b>
110	100	16	36 02 110	<b>50711</b>

L	Z	E
17	5	21
21	5	26
26	6	32
31	8	40
36	10	59
42	12	62
51	14	77
43	17	90
50	20	108
60	24	131

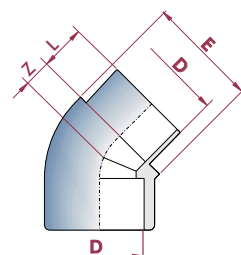
#### CP. 02. SFT - PVC-C 45° ELBOW

##### 45° adaptor elbow

- Female solvent socket & male solvent socket
- Metric series

##### Codo 45° mixto

- Encolar hembra y encolar macho
- Serie métrica



D	DN	PN	REF.	CODE
16	15	10	36 30 216	<b>50792</b>
20	20	10	36 30 220	<b>50793</b>
25	25	10	36 30 225	<b>50794</b>
32	32	10	36 30 232	<b>50795</b>

L	Z	E
17	10	21
21	11	26
26	12	32
31	15	40

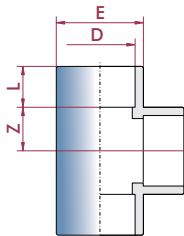
**TEES**

**TÉS**

**CP. 03. SF - PVC-C TEE**

- 90° tee**
- Female solvent socket
  - Metric series

- Té 90°**
- Encolar hembra
  - Serie métrica



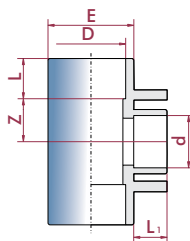
D	DN	PN	REF.	CODE
16	10	16	36 03 016	<b>50712</b>
20	15	16	36 03 020	<b>50713</b>
25	20	16	36 03 025	<b>50714</b>
32	25	16	36 03 032	<b>50715</b>
40	32	16	36 03 040	<b>50716</b>
50	40	16	36 03 050	<b>50717</b>
63	50	16	36 03 063	<b>50718</b>
75	65	16	36 03 075	<b>50719</b>
90	80	16	36 03 090	<b>50720</b>
110	100	16	36 03 110	<b>50721</b>

L	Z	E
17	9	21
21	11	26
26	14	32
31	17	40
36	21	49
41	27	62
51	33	77
43	41	90
50	48	108
60	61	131

**CP. 04. SFG - PVC-C TEE**

- 90° reducing tee**
- Female solvent socket
  - Metric series

- Té 90° reducida**
- Encolar hembra
  - Serie métrica



D x d	DN	PN	REF.	CODE
20-16	15-10	16	36 04 020	<b>50722</b>
25-20	20-15	16	36 04 025	<b>50723</b>
32-20	25-15	16	36 04 026	<b>50724</b>
32-25	25-20	16	36 04 032	<b>50725</b>
40-32	32-25	16	36 04 033	<b>50726</b>
50-25	40-20	16	36 04 040	<b>50727</b>
50-40	40-32	16	36 04 050	<b>50728</b>
63-50	50-40	16	36 04 063	<b>50729</b>
63-25	50-20	16	36 04 065	<b>50730</b>
75-40	65-32	16	36 04 077	<b>50731</b>
90-50	80-40	16	36 04 092	<b>50732</b>
110-63	100-50	16	36 04 112	<b>50733</b>

L	L <sub>1</sub>	Z	E
21	18	11	26
26	21	14	32
31	22	17	40
31	26	17	40
35	31	22	49
41	26	27	62
41	36	27	62
48	42	36	77
48	26	36	77
43	36	41	90
50	42	48	108
60	38	61	131

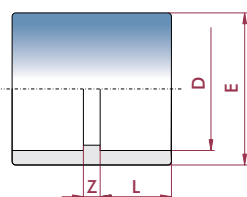
**SOCKETS**

**MANGUITOS**

**CP. 05. SF - PVC-C SOCKET**

- Socket**
- Female solvent socket
  - Metric series

- Manguito unión**
- Encolar hembra
  - Serie métrica



D	DN	PN	REF.	CODE
16	10	16	36 05 016	<b>50734</b>
20	15	16	36 05 020	<b>50735</b>
25	20	16	36 05 025	<b>50736</b>
32	25	16	36 05 032	<b>50737</b>
40	32	16	36 05 040	<b>50738</b>
50	40	16	36 05 050	<b>50739</b>
63	50	16	36 05 063	<b>50740</b>
75	65	16	36 05 075	<b>50741</b>
90	80	16	36 05 090	<b>50742</b>
110	100	16	36 05 110	<b>50743</b>

L	Z	E
17	3	21
21	3	26
26	3	32
31	3	40
36	3	49
42	3	62
51	3	77
43	4	90
50	9	108
60	6	131

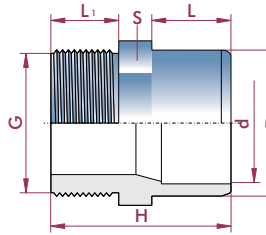
UP. 15. SFMT - PVC-C ADAPTOR NIPPLE

**Adaptor nipple**

- Female solvent socket & BSP male thread
- Metric series

**Machón mixto**

- Encolar hembra y roscar macho BSP
- Serie métrica



D - d x G	DN	PN	REF.	CODE
32-25 x 3/4"	12	10	36 15 433	<b>50776</b>
32-20 x 3/4"	15	10	36 15 436	<b>50777</b>
32-20 x 1/2"	12	10	36 15 437	<b>50778</b>
32-16 x 1/2"	20	10	36 15 439	<b>50779</b>
40-32 x 1"	15	10	36 15 441	<b>50780</b>
40-25 x 1"	12	10	36 15 444	<b>50781</b>
50-40 x 1 1/4"	25	10	36 15 451	<b>50782</b>
50-32 x 1 1/4"	20	10	36 15 454	<b>50783</b>
63-50 x 1 1/2"	15	10	36 15 464	<b>50784</b>
63-40 x 1 1/2"	32	10	36 15 467	<b>50785</b>
75-63 x 2"	25	10	36 15 476	<b>50786</b>
75-50 x 2"	20	10	36 15 479	<b>50787</b>

L	L <sub>1</sub>	H	S
31	17	61	13
31	17	61	13
31	20	57	10
31	20	57	10
36	19	68	13
36	19	68	13
42	21	78	15
42	21	78	15
51	24	91	16
51	24	91	16
44	31	93	18
44	31	93	18

REDUCERS

REDUCCIONES

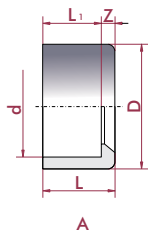
CP. 06. SMF - PVC-C REDUCTION

**Reducing bush**

- Male x female solvent socket
- Metric series

**Casquillo reducción**

- Encolar macho x hembra
- Serie métrica



D x d	DN	PN	REF.	CODE
20-16	15-10	16	06 06 020	<b>50744</b>
25-20	20-15	16	36 06 025	<b>50745</b>
25-16	20-10	16	36 06 026	<b>50746</b>
32-25	25-20	16	36 06 032	<b>50747</b>
32-20	25-20	16	06 06 033	<b>50748</b>
40-32	32-25	16	06 06 040	<b>50749</b>
40-25	32-20	16	36 06 041	<b>50750</b>
50-40	40-32	16	36 06 050	<b>50751</b>
50-32	40-25	16	36 06 051	<b>50752</b>
63-50	50-40	16	36 06 063	<b>50753</b>
63-40	50-32	16	36 06 064	<b>50754</b>
75-63	65-50	16	36 06 075	<b>50755</b>
75-50	65-40	16	36 06 076	<b>50756</b>
90-75	80-65	16	36 06 090	<b>50757</b>
90-63	80-50	16	36 06 091	<b>50758</b>
110-90	100-80	16	36 06 110	<b>50759</b>
110-75	100-65	16	36 06 111	<b>50760</b>

L	L <sub>1</sub>	Z
21	17	4
26	21	5
26	17	9
31	26	5
31	21	10
36	26	10
42	36	6
42	31	11
52	36	16
43	37	6
43	30	13
50	43	7
60	50	10
60	43	17

CAPS

TAPONES

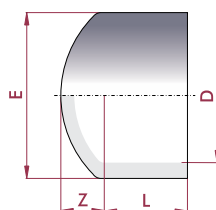
UP. 07. SF - PVC-C CAP

**Cap**

- Female solvent socket
- Metric series

**Tapón**

- Encolar hembra
- Serie métrica



D	DN	PN	REF.	CODE
16	10	16	36 07 016	<b>50761</b>
20	15	16	36 07 020	<b>50762</b>
25	20	16	36 07 025	<b>50763</b>
32	25	16	36 07 032	<b>50764</b>
40	32	16	36 07 040	<b>50765</b>
50	40	16	36 07 050	<b>50766</b>
63	50	16	36 07 063	<b>50767</b>
75	63	16	36 07 075	<b>50768</b>
90	80	16	36 07 090	<b>50769</b>
110	100	16	36 07 110	<b>50800</b>

L	Z	E
17	5	21
26	7	31
31	9	40
36	10	50
51	15	77
43	20	89
50	25	105
60	30	130

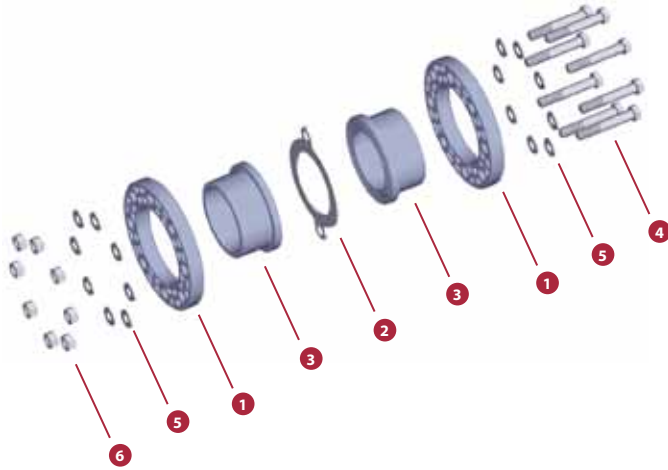


## PVC-C FLANGES

### BRIDAS PVC-C

• EN 1452 Flange System.  
• We recommend to follow flange installation instructions carefully to avoid any unnecessary tensions.

• Sistema de bridas EN 1452.  
• Recomendamos seguir exactamente las normas de montaje de bridas con objeto de evitar tensiones innecesarias.



D	2		1	3
	EVA	EPDM	PVC-C	PVC-C
20	✓	✓	✓	✓
25	✓	✓	✓	✓
32	✓	✓	✓	✓
40	✓	✓	✓	✓
50	✓	✓	✓	✓
63	✓	✓	✓	✓
75	✓	✓	✓	✓
90	✓	✓	✓	✓
110	✓	✓	✓	✓

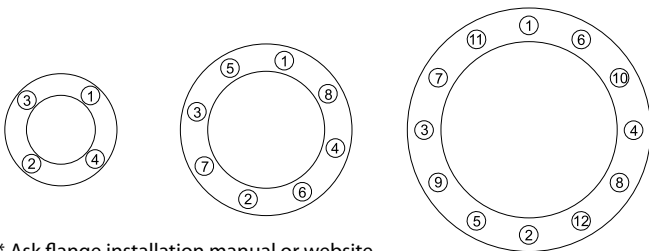
FIG.	Parts	Despiece	Material
1	Flange	Brida	PVC-C
2	Flat gasket	Junta plana	EVA / EPDM
3	Flange adaptor **	Manguito portabridas **	PVC-C
4	Screw DIN 931	Tornillo DIN 931	5.6 Zinc plated steel / A2 Stainless steel *
5	Washer DIN 125-A	Arandela DIN 125-A	
6	Nut DIN 934	Tuerca DIN 934	

\* On order A4 Stainless steel  
Bajo pedido acero inoxidable A4

\*\* Flange adaptor available in BS and ASTM solvent socket standards  
Manguito portabridas disponible en standards BS y ASTM

### TIGHTENING SEQUENCE

#### ORDEN DE APRIETE



\* Ask flange installation manual or website  
Consultar manual instalación bridas o website

### TIGHTENING MAXIMUM TORQUE

#### MÁXIMO PAR DE APRIETE

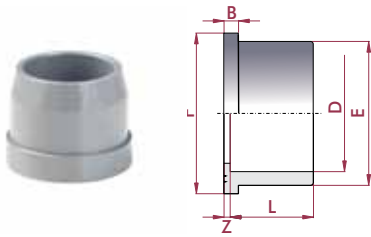
D	DN	inch	N · m	Kgf · cm	inch · lbs
<b>63-75</b>	65	2 1/2"	25	255	221
<b>90</b>	80	3"	25	255	221
<b>110</b>	100	4"	30	306	265

**CP. 10. SF - PVC-C ADAPTOR FLANGE**
**PVC-U flange adaptor (sub flange)**

- Female solvent socket
- Metric series

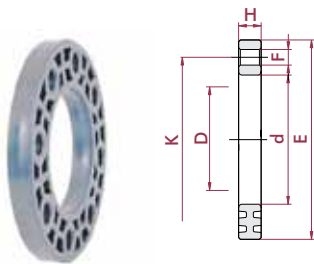
**Manguito portabridas PVC-U**

- Encolar hembra
- Serie métrica



D	DN	PN	REF.	CODE
20	15	16	36 10 020	<b>56810</b>
25	20	16	36 10 025	<b>56811</b>
32	25	16	36 10 032	<b>56812</b>
40	32	16	36 10 040	<b>50770</b>
50	40	16	36 10 050	<b>50771</b>
63	50	16	36 10 063	<b>50772</b>
75	63	16	36 10 075	<b>50773</b>
90	80	16	36 10 090	<b>50774</b>
110	100	16	36 10 110	<b>50775</b>

L	Z	B	E	F
21	3	5	27	30
26	3	6	36	39
21	3	7	41	50
26	5	8	50	61
31	5	8	61	73
37	5	9	76	90
43	6	10	90	106
50	5	11	108	125
60	5	12	131	145

**CP. 11. FLG - PVC-C FLANGE**
**PVC-C flange**
**Brida PVC-C**


D	DN	PN	REF.	CODE
20	15		36 11 020	<b>56245</b>
25	20		36 11 025	<b>56246</b>
32	25		36 11 032	<b>56247</b>
40	32		36 11 040	<b>56248</b>
50	40		36 11 050	<b>56249</b>
63	50		36 11 063	<b>56250</b>
75	65		36 11 075	<b>57714</b>
90	80		36 11 090	<b>57715</b>
110	100		36 11 110	<b>57716</b>

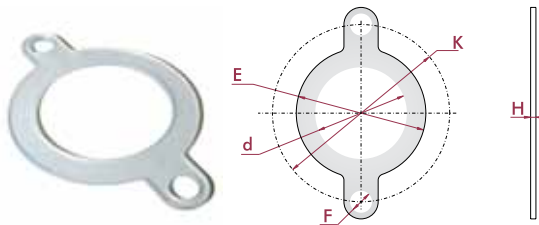
d	E	H	K	F
28	95	12	65	14 x 4
34	105	13	75	14 x 4
42	115	15	85	14 x 4
51	140	16	100	18 x 4
62	150	17	110	18 x 4
78	165	18	125	18 x 4
92	185	22	145	18 x 4
110	200	23	160	18 x 8
133	220	24	180	18 x 8

**EVA. 14 - FLAT GASKET**
**EVA flat gasket**

- Metric series

**Junta plana EVA**

- Serie métrica



D	DN	REF.	CODE
20	15	05 14 020 *	<b>07700</b>
25	20	05 14 025 *	<b>07701</b>
32	25	05 14 032 *	<b>07702</b>
40	32	05 14 040 *	<b>07703</b>
50	40	05 14 050 *	<b>02061</b>
63	50	05 14 063 *	<b>02062</b>
75	65	05 14 075 *	<b>02063</b>
90	80	05 14 090 *	<b>02064</b>
110	100	05 14 110 *	<b>02065</b>

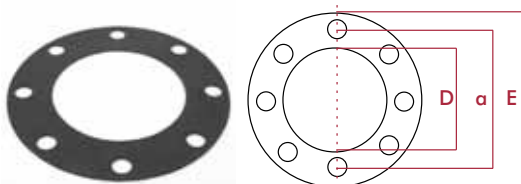
d	E	H	K	F
20	32	2	65	14
25	39	2	75	14
32	48	2	85	14
40	59	2	100	18
50	71	3	110	18
63	88	3	125	18
75	104	3	145	18
90	123	3	160	18
110	148	4	180	18

**PDM. 14 - FLAT GASKET**
**EPDM flat gasket**

- Metric series

**Junta plana EPDM**

- Serie métrica




D	DN	REF.	CODE
20	15	*	
25	20	*	
32	25	*	
40	32	*	
50	40	*	
63	50	*	
75	65	*	
90	80	*	
110	100	*	

H	E	a	F
2,5	93	34	16 x 4
2,5	103	41	19 x 4
2,5	115	50	22 x 4
2,5	140	100	20 x 4
2,5	150	110	20 x 4
2,5	165	125	20 x 4
2,5	185	145	20 x 4
2,5	200	160	20 x 8
2,5	220	180	20 x 8

## BOLTS TORNILLERÍA

Required bolt size depending on each application of the flange:  
butterfly valve, coupling or swing check valve.


Modelo y tamaño necesario de tornillería para cada una de las aplicaciones de la brida: válvula de mariposa, enlace o válvula de clapeta.



Flange set (loose flange)  
Enlace bridas (brida loca)


Industrial ball valve with loose flanges  
Válvula de bola Industrial con bridas locas

FLANGE SIZE	SCREW SIZE	UNITS	CODE	CODE
			5.6 zinc plated steel	A2 stainless steel
D20, D25	M12 x 60	4	16061	60515
D32	M12 x 60	4	16061	60515
D40	M12 x 60	4	16061	60515
D50	M16 x 70	4	02437	60516
D63	M16 x 70	4	02437	60516
D75	M16 x 80	4	02438	60517
D90	M16 x 90	8	02439	60518
D110	M16 x 90	8	02439	60518




Flange set (fix flange)  
Enlace bridas (brida fija)

FLANGE SIZE	SCREW SIZE	UNITS	CODE	CODE
			5.6 zinc plated steel	A2 stainless steel
D20, D25	M 12 x 60	4	60515	16061
D32	M 12 x 60	4	60515	16061
D40	M 16 x 70	4	60516	02437
D50	M 16 x 70	4	60516	02437
D63	M 16 x 70	4	60516	02437
D75	M 16 x 70	4	60516	02437
D90	M 16 x 70	8	60516	02437
D110	M 16 x 80	8	60517	02438




Butterfly valve (loose flange)  
Válvula mariposa (brida loca)

FLANGE SIZE	SCREW SIZE	UNITS	CODE	CODE
			5.6 zinc plated steel	A2 stainless steel
D63	M 16 x 120	4	02440	60519
D75	M 16 x 140	4	02442	60526
D90	M 16 x 150	8	02443	60527
D110	M 16 x 160	8	02444	60528



Butterfly valve (fix flange)  
Válvula mariposa (brida fija)

FLANGE SIZE	SCREW SIZE	UNITS	CODE	CODE
			5.6 zinc plated steel	A2 stainless steel
D63	M 16 x 120	4	02440	60519
D75	M 16 x 120	4	02440	60519
D90	M 16 x 130	8	02441	60525
D110	M 16 x 130	8	02441	60625



Swing check valve (loose flange)  
Válvula de clapeta (brida loca)

FLANGE SIZE	SCREW SIZE	UNITS	CODE	CODE
			5.6 zinc plated steel	A2 stainless steel
D75	M 16 x 120	4	02440	60519
D90	M 16 x 120	8	02440	60519
D110	M 16 x 120	8	02440	60519

\* Valid for Industrial, Standard and Classic Series

\* Válido para Serie Industrial, Standard y Classic

## SOLVENT CEMENT ADHESIVOS

### ATTENTION

- Carry out an accurate turnover of the stock as the solvent cement can lose the original characteristics after 12 months of its manufacture.
- Stock in a dry and fresh place.
- Please, read the instructions of use.
- Do not use with PVC-C.
- If you want to read the solvent socket recommendations, please refer to Pipe installation Section

### ATENCIÓN

- Realizar una correcta rotación del stock ya que el adhesivo puede perder sus características originales a partir de los 12 meses de su fabricación.
- Almacenar en un lugar seco y fresco.
- Ver las normas de utilización del envase.
- No apto para uso con PVC-C.
- Para ver las recomendaciones de instalación con adhesivo, consulte la Sección de Instalación de tubería.

#### Average joints for 1.000 cc of solvent cement Nº aproximado de encoladuras efectuadas con 1.000 cc de adhesivo

Ø of pipe Ø de collage Ø de tubo Ø de tubo	16	20	25	32	40	50	63	75	90	110	125	140	160	200	225	250	315	400
Nº of joints Nº de collage Nº de encoladuras Nº de collagens	390	375	300	250	200	110	80	55	40	25	22	18	11	7	5	4	3	2

## CP. 90. SCH - PVC-C SOLVENT CEMENT

HT-120 solvent cement PVC-C

Adhesivo HT-120 PVC-C



Size   Mesure   Medida   Medida	REF.	CODE
Can with paint brush   Pot avec pinceau   Bote con pincel   Lata com pincel	500 cc 36 90 051	<b>52708</b>

## UP. 90. SCH - PVC-C SOLVENT CEMENT

HCR-36 solvent cement PVC-C & PVC-U

Adhesivo HCR-36 PVC-C & PVC-U

- High chemical resistance

- Alta resistencia química



Size   Mesure   Medida   Medida	REF.	CODE
Can with paint brush   Pot avec pinceau   Bote con pincel   Lata com pincel	500 cc 36 90 051	<b>52708</b>

- Sulphuric acid: concentrations > 70%
- Hydrochloric acid: concentrations > 25%
- Nitric acid: concentrations > 20%
- Lyes (caustic soda): concentrations > 35%
- Fluoric acid: any concentration
- Sodium hypochlorite: active chlorine content > 7.5%