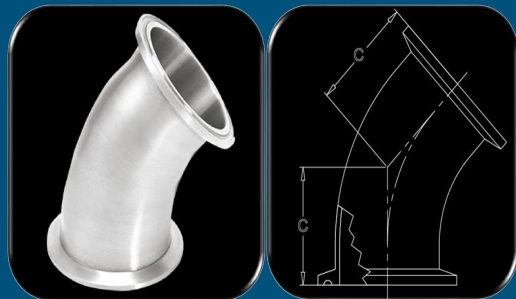




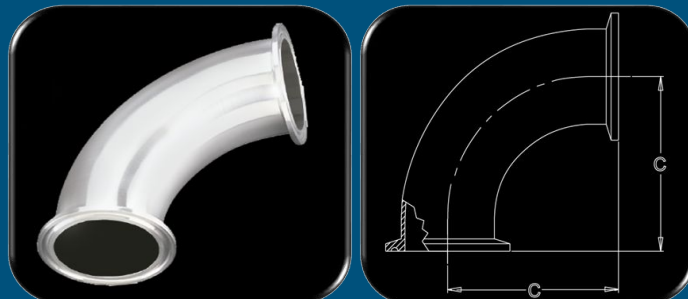
CATÁLOGO DE PRODUCTOS.



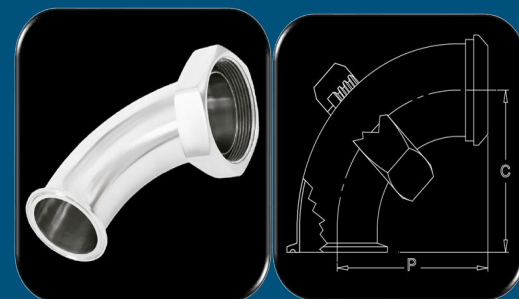
CA2K CODO 45° C/F, P/A.	
MEDIDA	C
1"	1 1/8"
1 1/2"	1 7/16"
2"	1 3/4"
2 1/2"	2 1/16"
3"	2 3/8"
4"	3 1/8"
6"	4 15/32"



CA2C CODO 90° C/F, P/A.			
MEDIDA	CÓDIGO T-304	CÓDIGO T-316	C
1"	L16403	T29403	2"
1 1/2"	L16404	T29404	2 3/4"
2"	L16405	T29405	3 1/2"
2 1/2"	L16406	T29406	4 1/4"
3"	L16407	T29407	5"
4"	L16408	T29408	7 5/8"
6"	L16409	T29409	10"



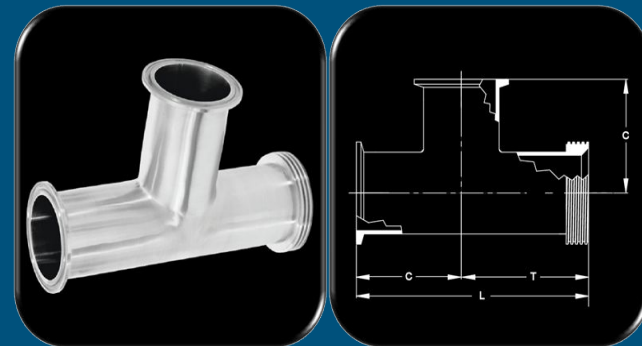
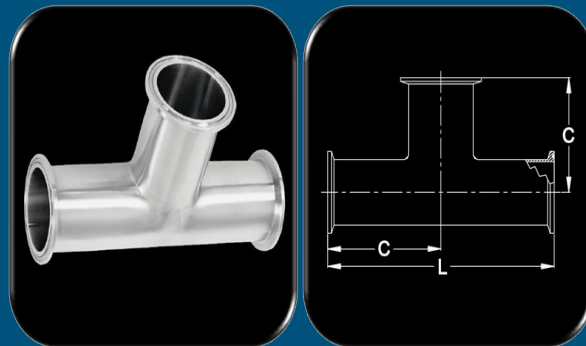
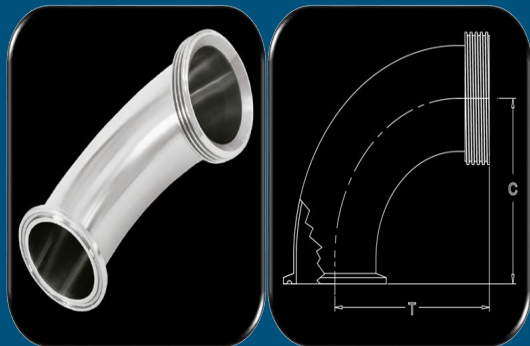
CA2F14 CODO 90° C/TUERCA Y CLAMP		
MEDIDA	C	P
1"	2"	2 7/32"
1 1/2"	2 3/4"	2 31/32"
2"	3 1/2"	3 3/4"
2 1/2"	4 1/4"	4 5/8"
3"	5"	5 13/32"
4"	6 5/8"	7 1/32"



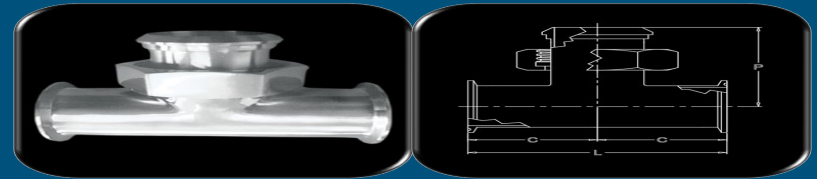
CA2F15 CODO 90° ROSCADO Y CLAMP		
MEDIDA	C	P
1"	2"	2 7/32"
1 1/2"	2 3/4"	2 31/32"
2"	3 1/2"	3 3/4"
2 1/2"	4 1/4"	4 5/8"
3"	5"	5 13/32"
4"	6 5/8"	7 1/32"

CA7 TEE CON FERRULAS P/ABRAZADERA		
SIZE	C	L
1"	2 3/8"	4 3/4"
1 1/2"	2 3/4"	5 1/2"
2"	3 1/2"	7"
2 1/2"	3 1/2"	7"
3"	3 3/4"	7 1/2"
4"	4 1/2"	9"
6"	7 1/2"	15"

CA7TR TEE CLAMP C/15 EN UN EXTREMO			
SIZE	C	L	T
1 1/2"	2 3/4"	45 23/32"	2 31/32"
2"	3 1/2"	7 1/4"	3 3/4"
2 1/2"	3 1/2"	7 3/8"	3 7/8"
3"	3 3/4"	7 29/32"	4 5/32"



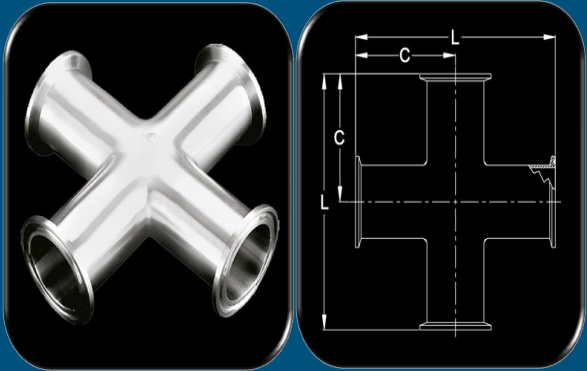
CA7PB TEE C/TUERCA EN EL SOPORTE C/F P/A			
SIZE	C	L	P
1 1/2"	2 3/4"	5 1/2"	2 3/32"
2"	3 1/2"	7"	3 3/4"



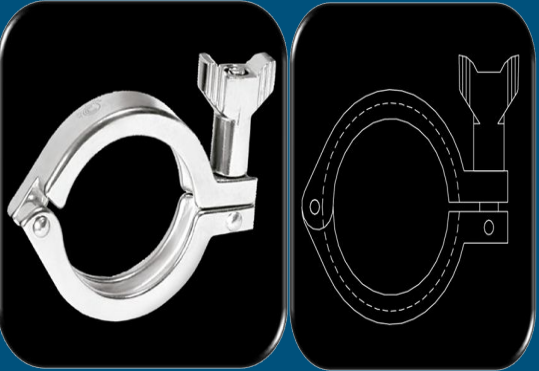
CA3114 REDUCCION CONCENTRICA CLAMP		
MEDIDA	L	PARED
38.1 x 25.4	76.2	1.651
50.8 x 25.4	76.2	1.651
50.8 x 38.1	76.2	1.651
63.5 x 25.4	127	1.651
63.5 x 38.1	127	1.651
63.5 x 50.8	76.2	1.651
76.2 x 25.4	135.334	1.651
76.2 x 38.1	177.8	1.651
76.2 x 50.8	127	1.651
76.2 x 63.5	76.2	1.651
101.6 x 25.4	158.353	2.108
101.6 x 38.1	279.4	2.108
101.6 x 50.8	231.775	2.108
101.6 x 63.5	180.175	2.108
101.6 x 76.2	130.175	2.108
152.4 x 101.6	145.625	2.77



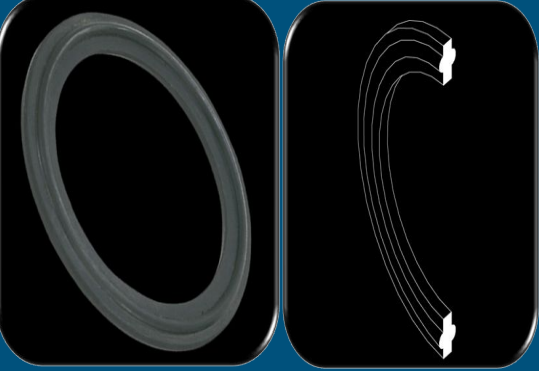
CA9 CRUZ CON FERRULAS P/ABRAZADERA		
MEDIDA	C	L
1"	2 3/8"	4 3/4"
1 1/2"	2 3/4"	5 1/2"
2"	3 1/2"	7"
2 1/2"	3 1/2"	7"
3"	3 3/4"	7 1/2"
4"	4 1/2"	9"



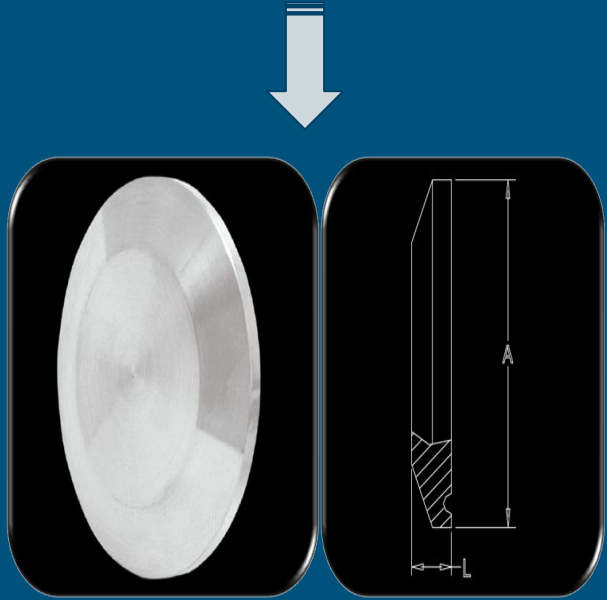
CA13LA ABRAZADERA REFORZADA	
MEDIDA	
1 1/2"	
3/4"	
1"	
1 1/2"	
2"	
2 1/2"	
3"	
4"	
6"	



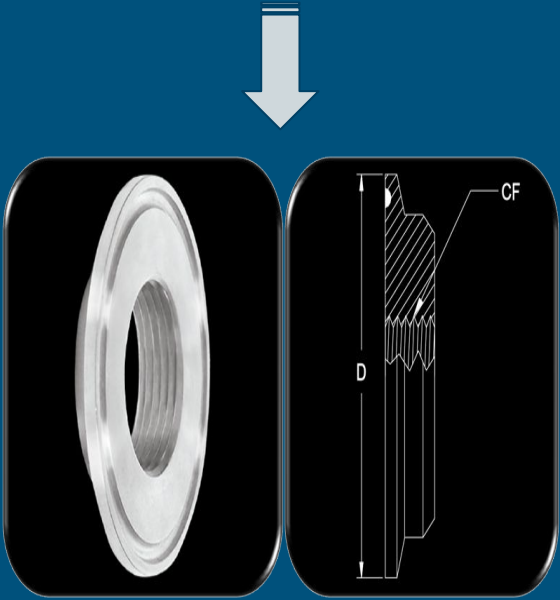
CA40 EMPAQUE CLAMP DE NEOPRENO	
MEDIDA	
1"	
1 1/2"	
2"	
2 1/2"	
3"	
4"	
6"	



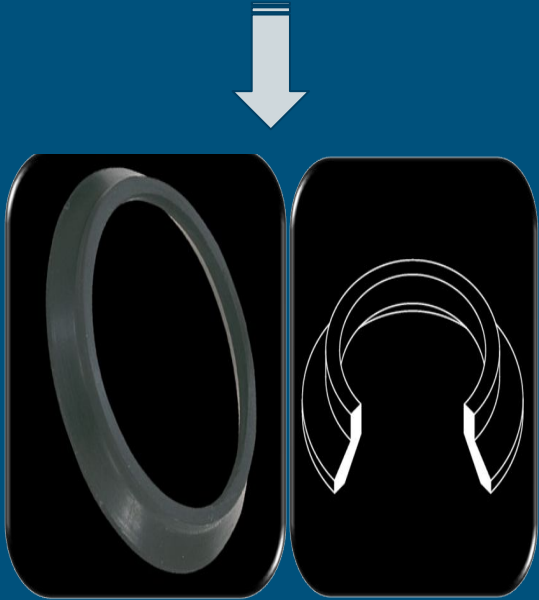
CA16A TAPON P/CONEXIÓN CLAMP		
MEDIDA	A	L
1"	2"	1/4"
1 1/2"	2"	1/4"
2"	2.500"	1/4"
2 1/2"	3.047"	1/4"
3"	3.578"	1/4"
4"	4.681"	1/4"
6"	6.624"	3/8"



CA23A TAPÓN CON CUERDA FINA P/ TERMOMETRO	
MEDIDA	D
1 1/2"	1.984"
2"	2.516"
2 1/2"	3.047"
3"	3.579"
4"	4.682"

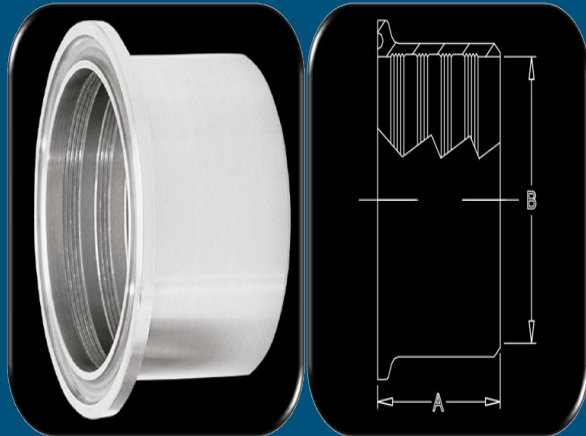


DC EMPAQUE CÓNICO DE NEOPRENO	
MEDIDA	
1"	
1 1/2"	
2"	
2 1/2"	
3"	
4"	



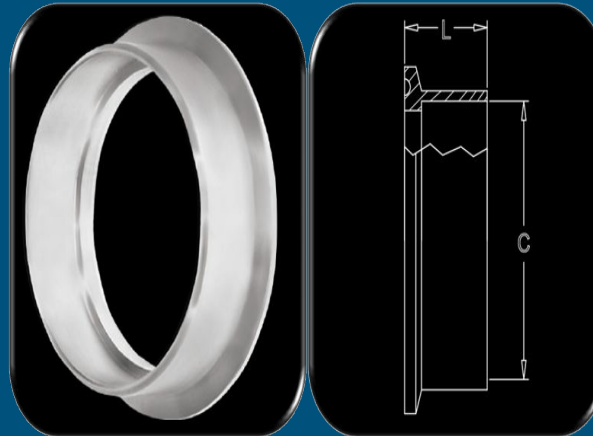
**CA14R
FERRULA ROLADA
P/ABRAZADERA**

MEDIDA	A	B
1"	1 5/16"	1.010"
1 1/2"	1 5/16"	1.510"
2"	1 5/16"	2.010"
2 1/2"	1 37/64"	2.510"
3"	1 37/64"	3.010"



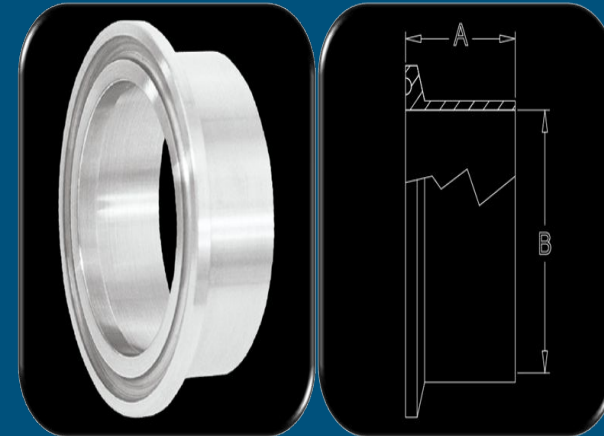
**CA14A7
FERRULA LISA P/SOLDAR**

MEDIDA	A	B
1"	1 1/8"	0.875"
1 1/2"	1 1/8"	1.370"
2"	1 1/8"	1.870"
2 1/2"	1 1/8"	2.370"
3"	1 1/8"	2.870"
4"	1 1/8"	3.834"

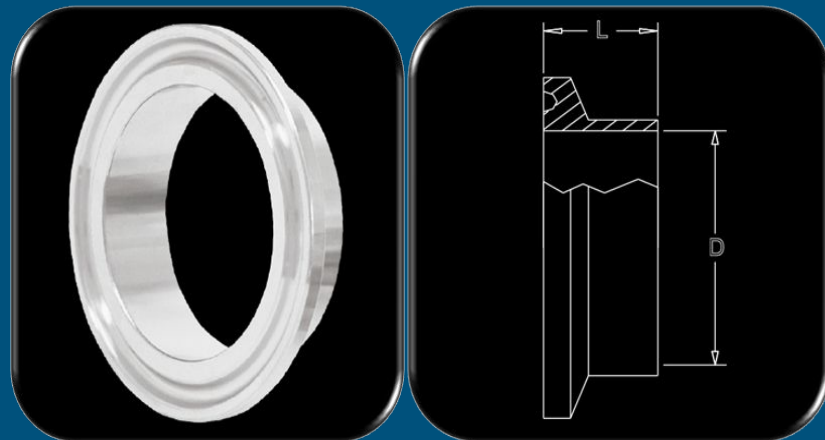


CA14S FERRULA LISA P/SOLDAR (CORTA)

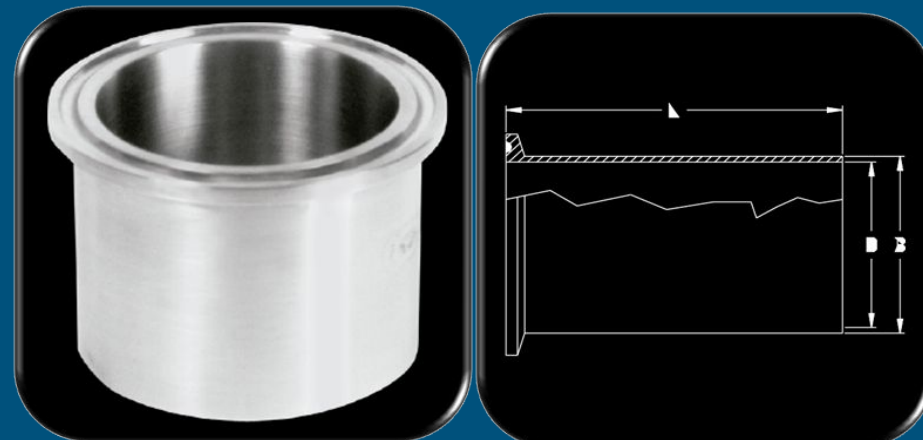
MEDIDA	D	L
1"	0.875"	0.500"
1 1/2"	1.375"	0.500"
2"	1.870"	0.500"
2 1/2"	2.370"	0.500"
3"	2.834"	0.500"
4"	3.834"	0.625"
6"	5.750"	0.625"



CA14 FERRULA C/CAJA P/ABRAZADERA SOLD.		
MEDIDA	C	L
1"	1.015"	0.787"
1 1/2"	1.510"	0.787"
2"	2.010"	0.866"
2 1/2"	2.510"	0.984"
3"	3.010"	0.984"
4"	4.010"	0.984"
6"	6.010"	0.984"

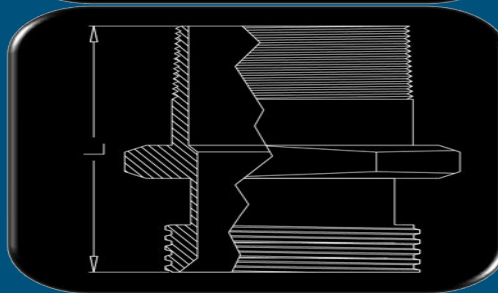


CA14AHT ADAPTADOR LISO			
MEDIDA	B	D	L
1"	1"	0.875"	4 1/2"
1 1/2"	1 1/2"	1.370"	4 1/2"
2"	2"	1.870"	4 1/2"
2 1/2"	2 1/2"	2.370"	4 1/2"
3"	3"	2.834"	4 1/2"
4"	4"	3.834"	5 5/8"

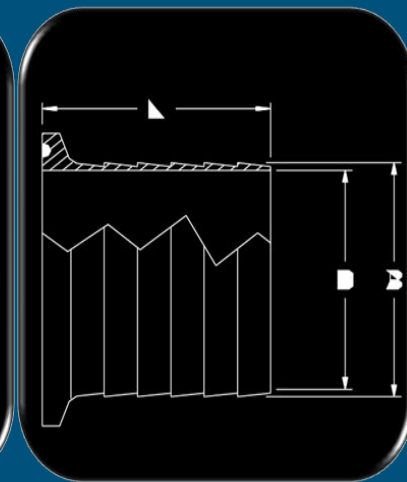


CA21 ADAPTADOR CON TUERCA N.P.T. EXTERIOR A	
MEDIDA	L
1" x 1/2"	1 s1/32"
1" x 3/4"	1 s1/32"
1" x 1"	2 s/32"
1" x 1 1/2"	2 21/64"
1" x 2"	2 9/16"
1 1/2 x 1/2"	2 1/8"
1 1/2 x 3/4"	1 s1/32"
1 1/2 x 1"	2 1/4"
1 1/2 x 1 1/2"	2 15/32"
2 x 3/4"	2 1/8"
2 x 1"	2 1/4"
2 x 1 1/2"	2 15/32"
2 x 2"	2 5/8"
2 x 2 1/2"	3 7/64"
2 x 3"	3 3/64"
2 1/2 x 2"	2 5/8"
2 1/2 x 2 1/2"	3 1/16"
2 1/2 x 3"	2 s1/32"

3 x 2"	3 7/64"
3 x 2 1/2"	3 33&64"
3 x 3"	3 7/32"
4 x 3"	3 19/64"
4 x 4"	3 3/4"

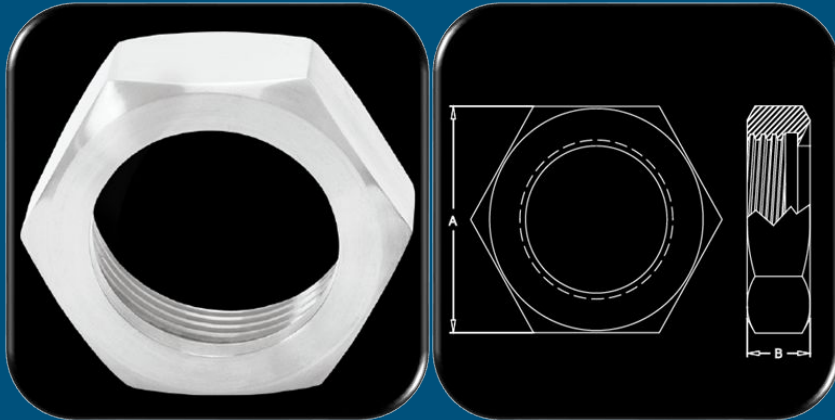


CA14AHR ADAPTADOR ESCAMADO			
MEDIDA	B	D	L
1"	1"	0.875"	2 1/2"
1 1/2"	1 1/2"	1.375"	3"
2"	2"	1.870"	3 1/2"
2 1/2"	2 1/2"	2.370"	4 1/2"
3"	3"	2.870"	4 1/2"
4"	4"	3.834"	4 1/2"



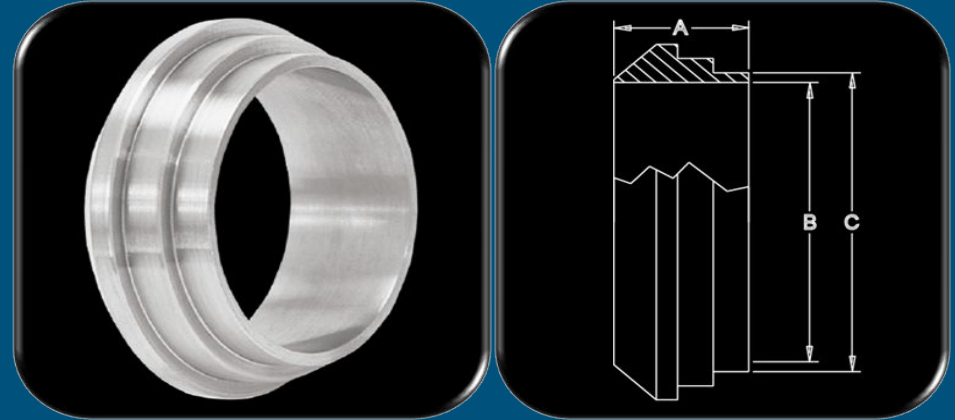
13H TUERCA UNIÓN

MEDIDA	A	B
1"	1.812"	29/32"
1 1/2"	2.407"	31/32"
2"	3.001"	1 1/16"
2 1/2"	3.595"	1 3/16"
3"	4.191"	1 9/32"
4"	5.420"	1 1/2"
6"	7.675"	1 1/2"

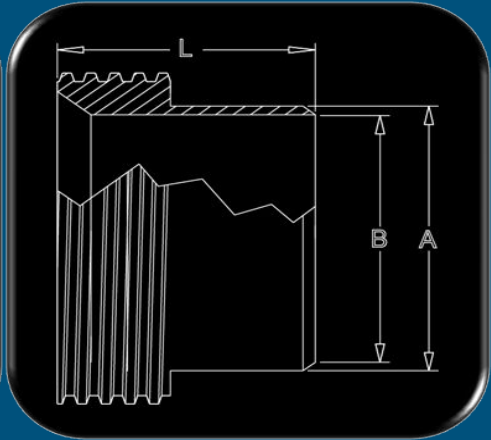
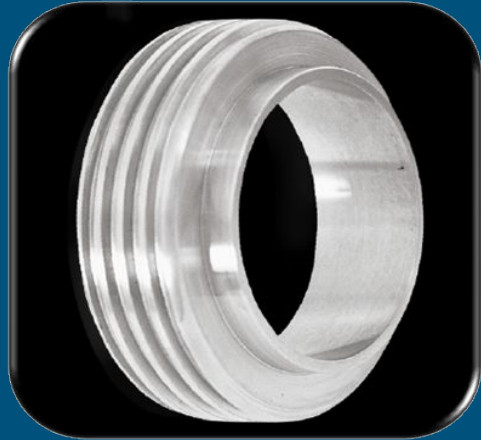


14S FERRULA LISA P/SOLDAR

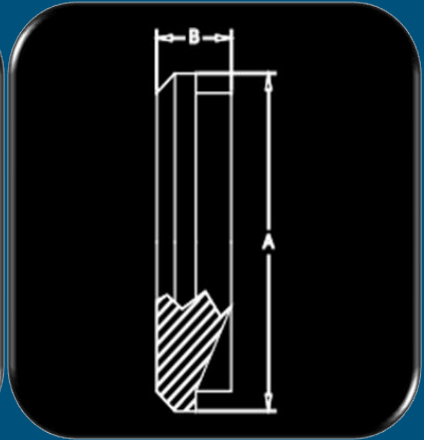
MEDIDA	A	B	C
1"	.668"	.875"	1"
1 1/2"	.668"	1.375"	1 1/2"
2"	.746"	1.870"	2"
2 1/2"	.826"	2.370"	2 1/2"
3"	.826"	2.834"	3"
4"	.983"	3.834"	4"
6"	1.494"	5.750"	6"



15S FERRULA ROSC. SOLDABLE			
MEDIDA	L	A	B
1"	0.769"	1"	.875"
1 1/2"	0.769"	1 1/2"	1.370"
2"	0.786"	2"	1.870"
2 1/2"	0.826"	2 1/2"	2.370"
3"	0.826"	3"	2.870"
4"	0.983"	4"	3.834"
6"	1.5"	6"	5.750"



16A TAPON CONICO		
MEDIDA	A	B
1"	1.316"	15/32"
1 1/2"	1.848"	9/16"
2"	2.380"	5/8"
2 1/2"	2.912"	21/32"
3"	3.444"	23/32"
4"	4.508"	13/16"



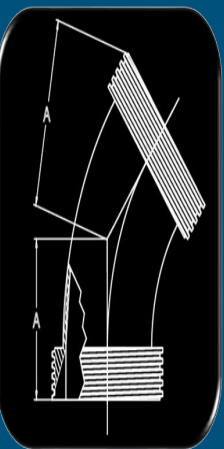
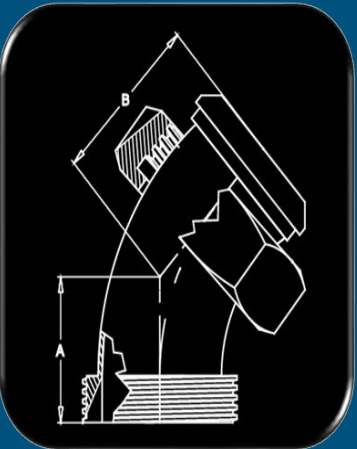
2C CODO 90° ROSCADO	
MEDIDA	A
1"	2"
1 1/2"	2 7/8"
2"	3 23/32"
2 1/2"	4 27/32"
3"	5 29/32"
4"	8 1/16"



2P CODO 45° C/TUERCA		
MEDIDA	A	B
1"	1 5/16"	2 1/8"
1 1/2"	1 23/32"	2 1/8"
2"	2 1/8"	2 5/16"
2 1/2"	2 5/8"	2 9/16"
3"	3 1/8"	2 29/32"
4"	4 1/4"	3 7/8"



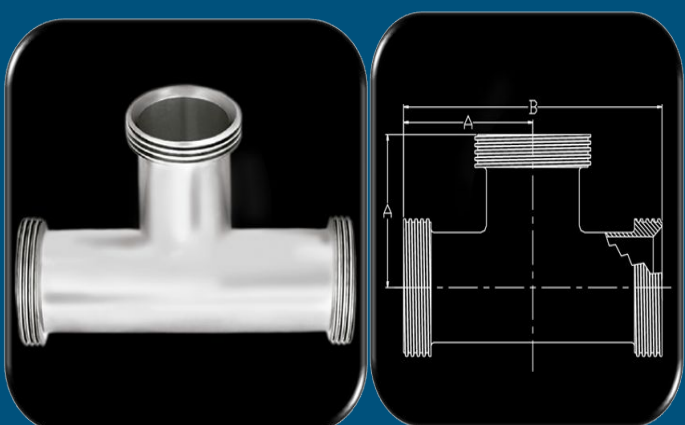
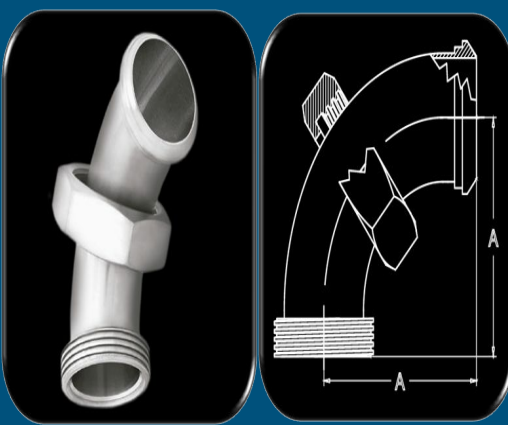
2K CODO 45° ROSCADO	
MEDIDA	A
1"	1 5/16"
1 1/2"	1 23/32"
2"	2 1/8"
2 1/2"	2 5/8"
3"	3 1/8"
4"	4 1/4"



2E CODO 90° C/2 TUERCAS	
MEDIDA	A
1"	2"
1 1/2"	2 7/8"
2"	3 23/32"
2 1/2"	4 27/32"
3"	5 29/32"
4"	8 1/16"

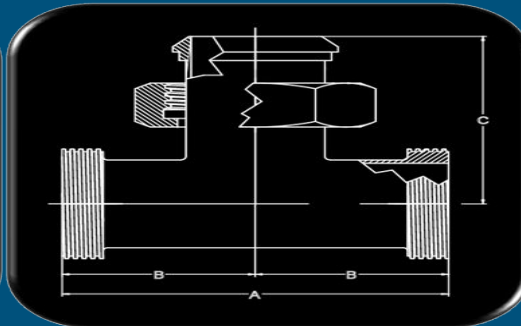
2F CODO 90° C/TUERCA	
MEDIDA	A
1"	2"
1 1/2"	2 7/8"
2"	3 23/32"
2 1/2"	4 27/32"
3"	5 29/32"
4"	8 1/16"

7 TEE ROSCADA		
MEDIDA	A	B
1"	1 13/16"	3 5/8"
1 1/2"	2 3/8"	4 3/4"
2"	2 25/32"	5 9/16"
2 1/2"	3 3/16"	6 3/8"
3"	3 1/2"	7"
4"	4 21/32"	9 5/16"



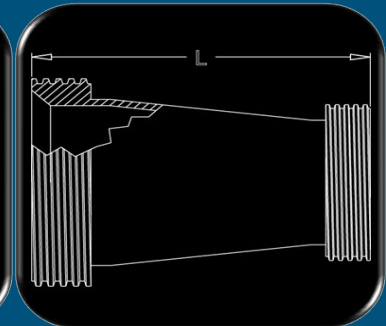
**7A
TEE C/TUERCA
AL CENTRO**

MEDIDA	A	B	C
1"	3 5/8"	1 13/16"	2 11/16"
1 1/2"	4 3/4"	2 3/8"	3 13/32"
2"	5 9/16"	2 25/32"	3 13/16"
2 1/2"	6 3/8"	3 3/16"	4 1/4"
3"	7"	3 1/2"	4 5/8"
4"	9 5/16"	4 21/322	6 1/8"

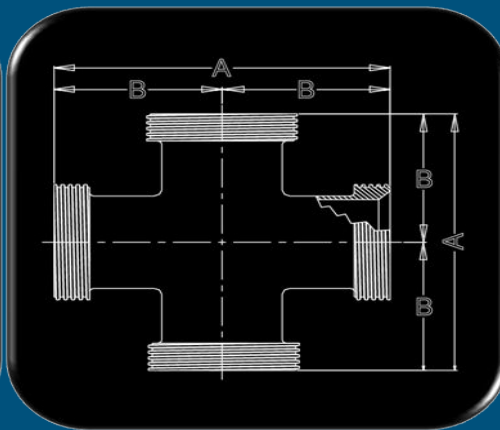


31TT REDUC. CONCÉNTRICA ROSCADA TIPO AMERICANO

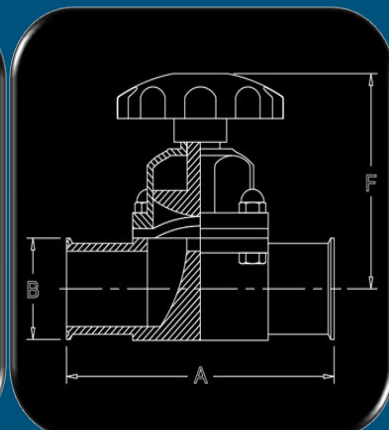
MEDIDA	L	PARED
1 1/2" X 1"	3 17/32"	.065"
2" X 1"	3 9/16"	.065"
2" X 1 1/2"	3 9/16"	.065"
2 1/2" X 1 1/2"	5 19/32"	.065"
2 1/2" X 2"	3 5/8"	.065"
3" X 2"	5 5/8"	.065"
3" X 2 1/2"	3 21/32"	.065"
4" X 2 1/2"	7 13/16"	.083"
4" X 3"	5 13/16"	.083"



9 CRUZ ROSCADA				
MEDIDA	CÓDIGO T - 304	CÓDIGO T - 316	A	B
1"	L11013	T24913	3 5/8"	1 13/16"
1 1/2"	L11014	T24914	4 3/4"	2 3/8"
2"	L11015	T24915	5 9/16"	2 25/32"
2 1/2"	L11016	T24916	6 3/8"	3 13/16"
3"	L11017	T24917	7"	3 1/2"
4"	L11018	T24918	9 5/16"	4 21/32"

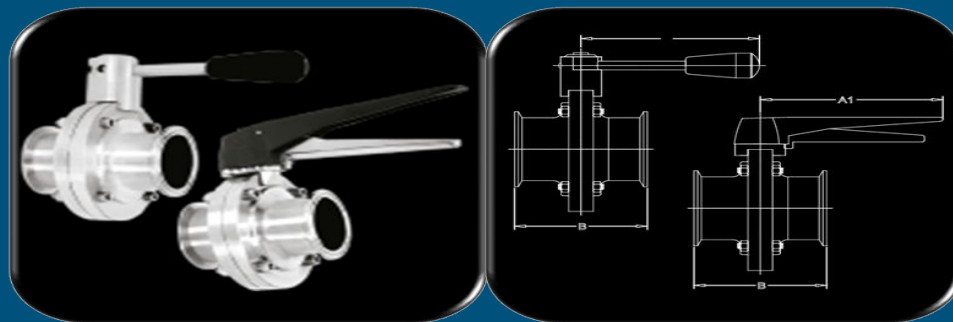


VÁLVULA DE DIAFRAGMA, VÁLVULA DIAFRAGMA C/FERRULAS CLAMP					
MEDID	A	DIN	DIMENSIONES (mm)		
			A	B	F
1"	25	127	50.5	110/123	1.85
1 1/2"	40	159	50.5	139/159	02.05
2"	50	191	64	159/186	2.53



CA10CMB
VÁLVULAS DE MARIPOSA

MEDIDA	A manija 3 pasos	A1 manija dosificadora	B
1"	4 13/16"	5 27/32"	3"
1 1/2"	4 13/16"	5 27/32"	3"
2"	4 13/16"	5 27/32"	3 1/2"
2 1/2"	5 5/16"	5 27/32"	4"
3"	5 1/2"	5 27/32"	4 1/4"
4"	5 3/4"	5 27/32"	5"
6"	7"	5 27/32"	6"



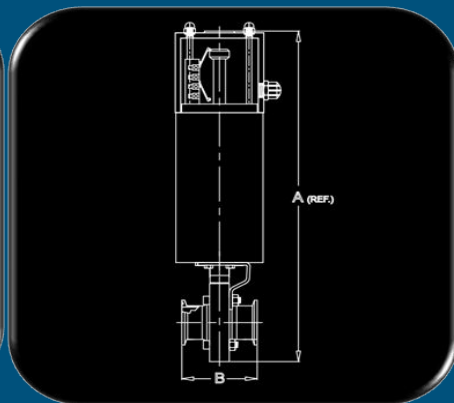
CA10CMBN
VÁLVULAS DE MARIPOSA
C/ ACTUADOR

MEDIDA	A REF	B
1"	14 1/2"	3"
1 1/2"	14 23/32"	3"
2"	15 7/16"	3 1/2"
2 1/2"	16 9/32"	4"
3"	17"	4 1/4"
4"	18 1/2"	5"



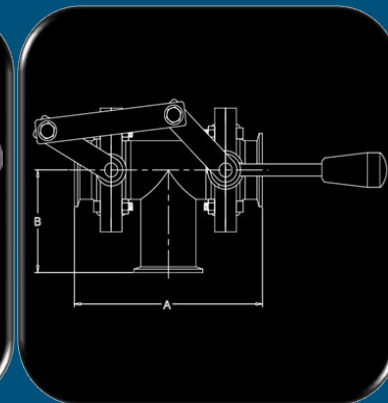
**CA10CMBN - AA VÁLVULAS DE MARIPOSA C/ ACTUADOR Y/O
MICROS O DETECTOR**

MEDIDA	A REF	B
1"	14 1/2"	3"
1 1/2"	14 23/32"	3"
2"	15 7/16"	3 1/2"
2 1/2"	16 9/32"	4"
3"	17"	4 1/4"
4"	18 1/2"	5"

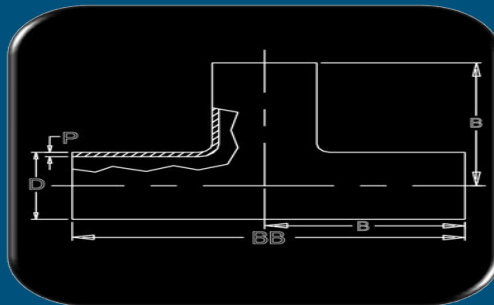


**CA11MB
VÁLVULA DE MARIPOSA 3 VÍAS**

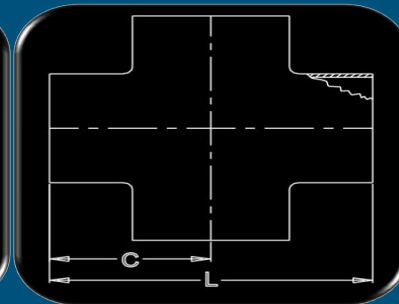
MEDIDA	A	B
1"	5.830"	2.375"
1 1/2"	6.330"	2.750"
2"	6.830"	3.500"
2 1/2"	7.650"	3.500"
3"	9.437"	3.750"



7S TEE SOLDABLE				
MEDIDA	B	BB	D	P
3/4"	1 7/8"	3 3/4"	3/4"	0.049"
1"	1 7/8"	3 3/4"	1"	0.065"
1 1/4"	2 1/4"	4 1/2"	1 1/4"	0.065"
1 1/2"	2 1/4"	4 1/2"	1 1/2"	0.065"
2"	3"	6"	2"	0.065"
2 1/2"	3"	6"	2 1/2"	0.065"
3"	3 1/4"	6 1/2"	3"	0.083"
4"	3 7/8"	7 3/4"	4"	0.083"
6"	6"	12"	6"	0.109"
8"	8"	16"	8"	0.109"

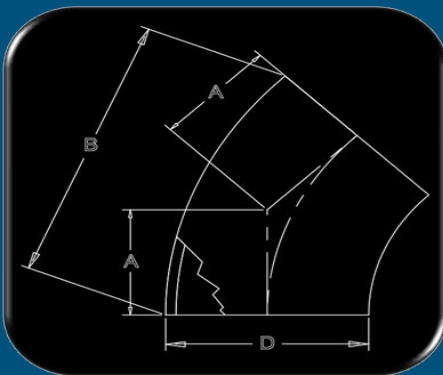
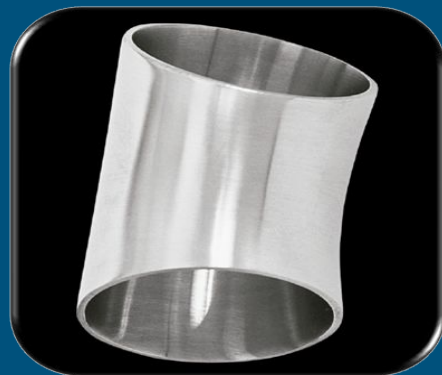


9S CRUZ SOLDABLE		
MEDIDA	C	L
3/4"	1 7/8"	3 3/4"
1"	1 7/8"	3 3/4"
1 1/2"	2 1/4"	4 1/2"
2"	3"	6"
2 1/2"	3"	6"
3"	3 1/4"	6 1/2"
4"	3 7/8"	7 3/4"
6"	6"	12"



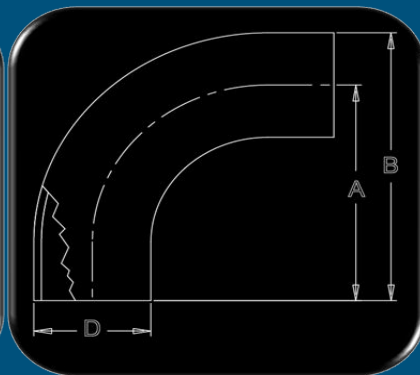
2KS CODO 45° CORTO

TAMAÑO DE TUBO O. D.	A	B	D	PARED
1"	0.621"	1.530"	1"	0.065"
1 1/2"	0.931"	2.296"	1 1/2"	0.065"
2"	1.242"	3.061"	2"	0.065"
2 1/2"	1.553"	3.826"	2 1/2"	0.065"
3"	1.863"	4.592"	3"	0.065"
4"	2.485"	6.122"	4"	0.083"
6"	3.727"	9.184"	6"	0.109"

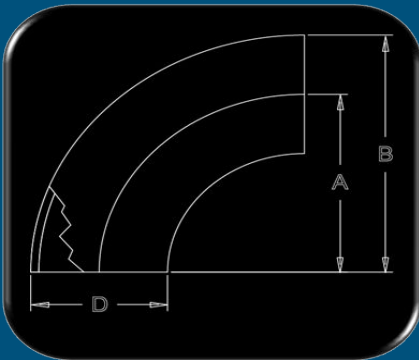


2KSL CODO 45° LARGO

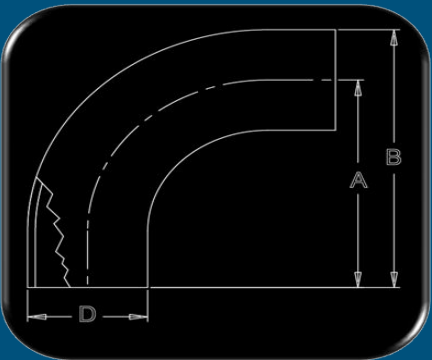
TAMAÑO DE TUBO O. D.	A	B	D	PARED
1"	1.187"	2.576"	1"	0.065"
1 1/4"	1.406"	3.067"	1 1/4"	0.065"
1 1/2"	1.624"	3.576"	1 1/2"	0.065"
2"	2.312"	5.038"	2"	0.065"
2 1/2"	3"	6.5"	2 1/2"	0.065"
3"	3.687"	7.961"	3"	0.083"
4"	4.812"	10.423"	4"	0.109"



2S CODO 90° CORTO				
TAMAÑO TUBO O. D.	A	B	D	PARED
1"	1 1/2"	2"	1"	0.065"
1 1/2"	2 1/4"	3"	1 1/2"	0.065"
2"	3"	4"	2"	0.065"
2 1/2"	3 3/4"	5"	2 1/2"	0.065"
3"	4 1/2"	6"	3"	0.065"
4"	6"	8"	4"	0.083"
6"	9"	12"	6"	0.109"

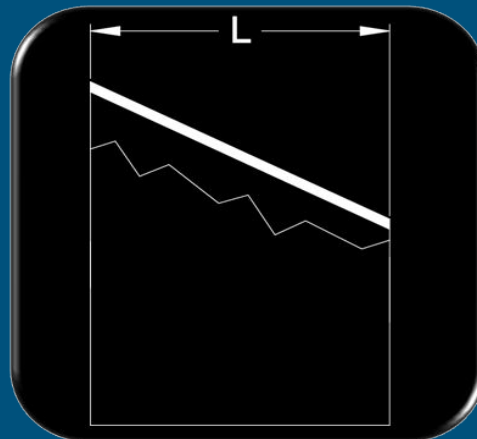


2SRL CODO 90° LARGO				
TAMAÑO DE TUBO O.D.	A	B	D	PARED
1"	2 1/16"	2 9/16"	1"	0.065"
1 1/2"	2 15/16"	3 11/16"	1 1/2"	0.065"
2"	4 1/16"	5 1/16"	2"	0.065"
2 1/2"	5 3/16"	6 7/16"	2 1/2"	0.065"
3"	6 5/16"	7 13/16"	3"	0.065"
4"	8 5/16"	10 5/16"	4"	0.083"
6"	12 3/16"	15 5/16"	6"	0.109"



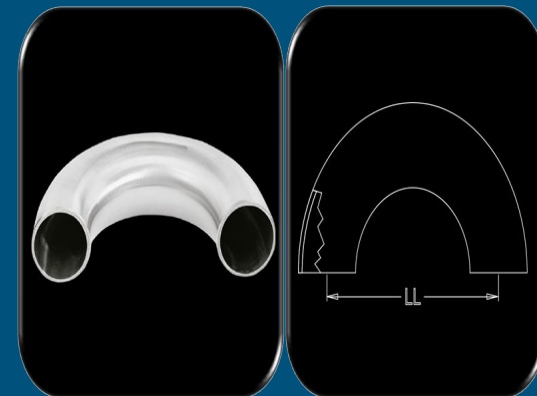
**32W
REDUCC.
EXCÉNTRICA SOLD.
TIPO AMERICANO**

MEDIDA	L	PARED
1" X 1/2"	1" X 1/2"	.065"
1 1/2" X 1"	2"	.065"
2" X 1 1/2"	2"	.065"
2 1/2" X 1 1/2"	4"	.065"
2 1/2" X 2"	2"	.065"
3" X 1"	4 28/32"	.065"
3" X 1 1/2"	6"	.065"
3" X 2"	4"	.065"
3" X 2 1/2"	2"	.065"
4" X 1"	6"	.083"
4" X 1 1/2"	6"	.083"
4" X 2"	6"	.083"
4" X 2 1/2"	6"	.083"
4" X 3"	4"	.083"
6" X 3"	6"	.109"
6" X 3"	4 1/4"	.109"



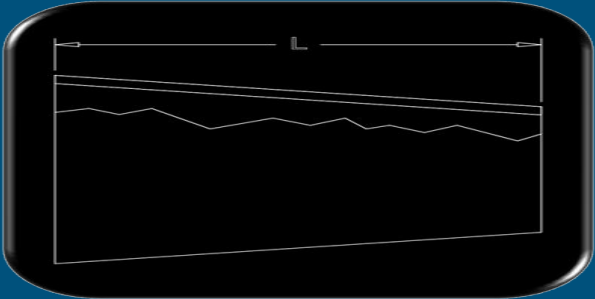
RT RETORNO 180° P/ SOLDAR

MEIDA	LL
1"	3"
1 1/2"	4 1/2"
2"	6"
2 1/2"	7 1/2"
3"	9"
4"	12"

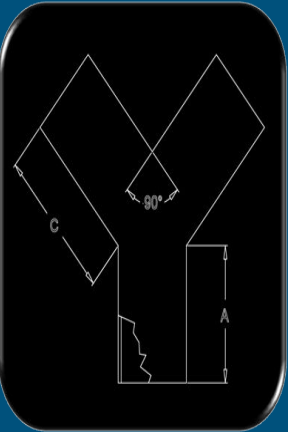


31W REDUCC. CONCÉNTRICA SOLD. TIPO AMERICANO		
MEDIDA	L	PARED
1" X 1/2"	1 1/2"	.065"
1" X 3/4"	1 3/4"	.065"
1 1/2" X 1/2"	2"	.065"
1 1/2" X 1"	2"	.065"
2" X 1"	2"	.065"
2" X 1 1/2"	2"	.065"
2 1/2" X 1"	4"	.065"
2 1/2" X 1 1/2"	4"	.065"
2 1/2" X 2"	2"	.065"
3" X 1"	4 29/32"	.065"
3" X 1 1/2"	6"	.065"
3" X 2"	4"	.065"
3" X 2 1/2"	2"	.065"
4" X 3/4"	6"	.083"
4" X 1 1/2"	6"	.083"
4" X 2"	6"	.083"
4" X 2 1/2"	6"	.083"

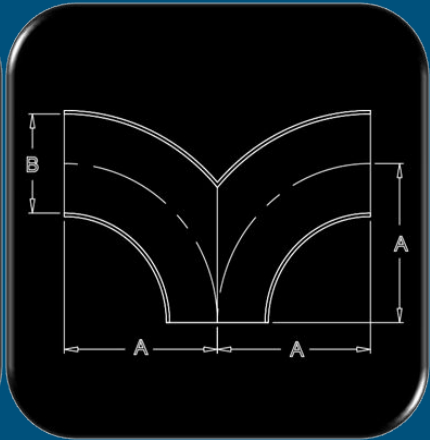
4" X 3"	4"	.083"
6" X 2"	6"	.109"
6" X 2 1/2"	6"	.109"
6" X 3 "	6"	.109"
6" X 4"	4 1/4"	.109"



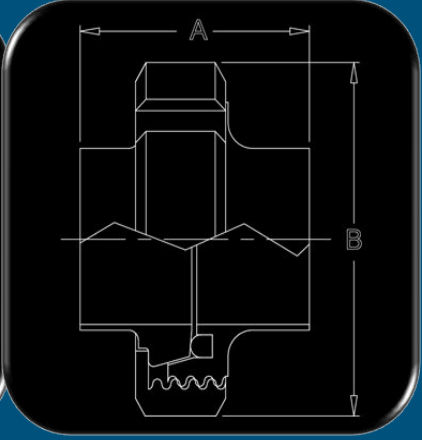
8Y-9 "Y" C/ EXTREMOS SOLDABLES A 90°		
MEDIDA	A	C
1"	1 1/2"	1.937"
1" 1/2"	2"	2.437"
2"	2 5/8"	3.252"
2 1/2"	3 3/8"	4.126"
3"	4"	4.874"
4"	5 3/8"	6.563"



8Y-9 TEE DOBLE CODO		
MEDIDA	A	C
1"	1 1/2"	0.875"
1" 1/2"	2 1/4"	1.370"
2"	3"	1.870"
2 1/2"	3 3/4"	2.370"
3"	4 1/2"	2.834"

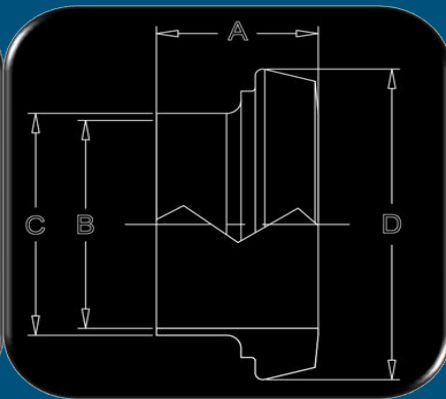
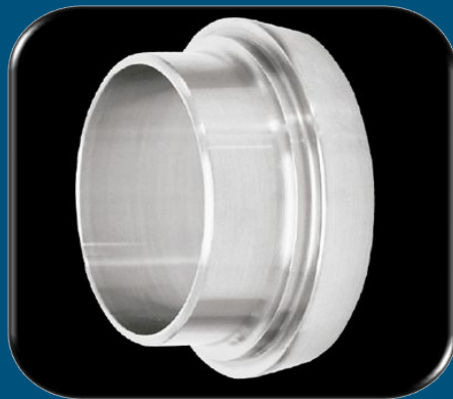


12HSDN CONEXIÓN COMPLETA DIN		
MEDIDA	A	B
25	44	63
40	52	78
50	56	92
65	64	112
80	74	127
100	88	148



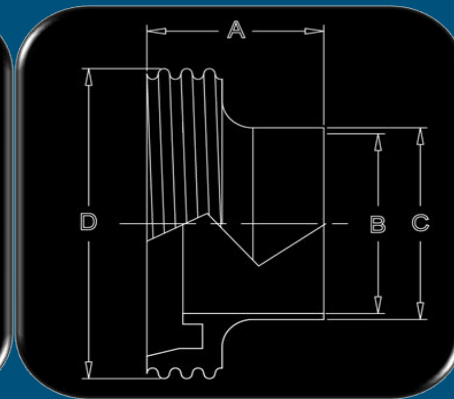
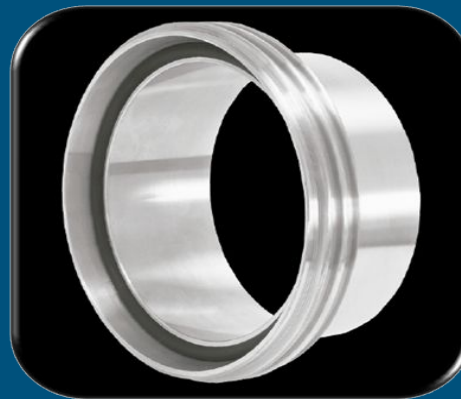
14SDN
FERRULA LISA DIN PARA SOLDAR

MEDIDA	A	B	C	D
25	22	26	31	44
40	26	38	43	56
50	28	50	55	68
65	32	66	72	86
80	37	81	87	100
100	44	100	106	121



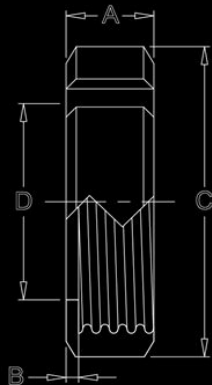
15SDN
FERRULA ROSCADA DIN PARA SOLDAR

MEDIDA	A	B	C	D
25	29	26	31	52
40	33	38	43	65
50	35	50	55	78
65	40	66	72	95
80	45	81	87	110
100	54	100	106	130



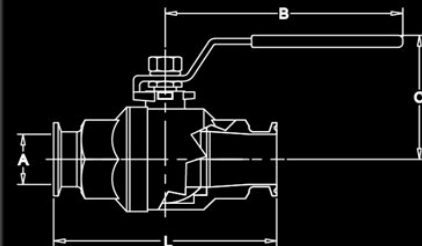
13HDN TUERCA PARA CONEXIÓN DIN

MEDIDA	A	B	C	D
25	21	3	63	36
40	21	3	78	49
50	22	3	92	62
65	25	4	112	80
80	30	4	127	94
100	31	5	148	115



CA10B VALVULA DE BOLA C/ FEERRULAS CLAMP

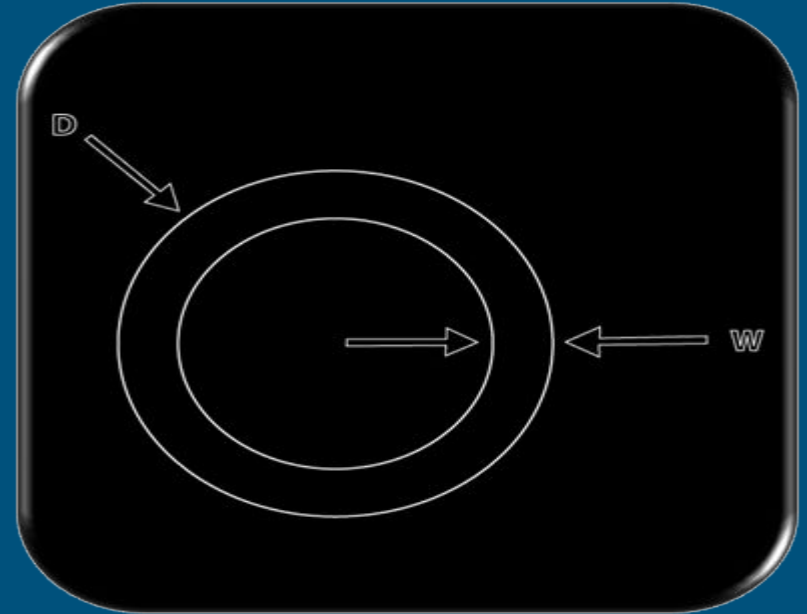
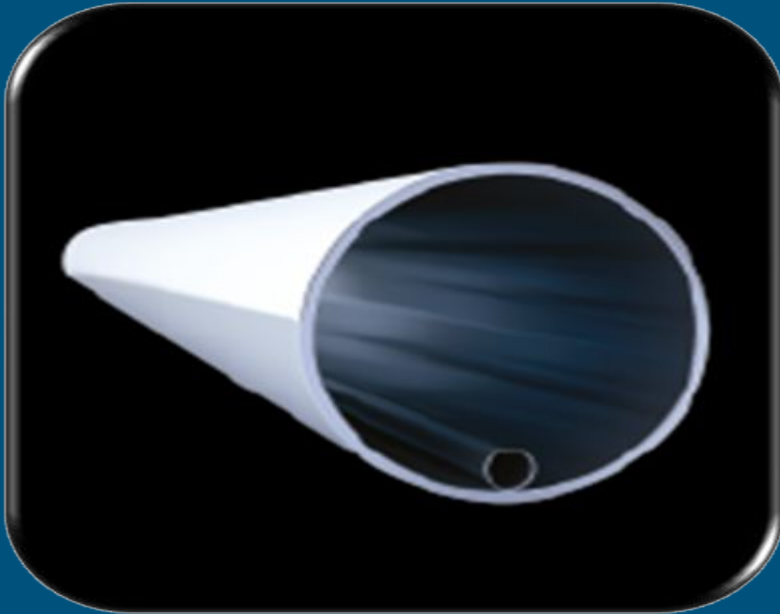
MEDIDA	A	B	C	L
1/2"	0.366"	3.937"	2.244"	3.622"
3/4"	0.618"	4.724"	2.441"	3.622"
1"	0.866"	5.709"	2.874"	4.563"
1 1/2"	1.370"	6.890"	3.543"	5.811"
2"	1.862"	6.890"	3.858"	6.811"
2 1/2"	2.362"	9.843"	5.906"	8.2522"
3"	2.831"	11.811"	6.299"	8"



DIMENSIONES Y PESO																	
O.D.	0.510 mm	0.560 mm	0.635 mm	0.711 mm	0.813 mm	0.890 mm	1.07 mm	1.24 mm	1.47 mm	1.65 mm	1.83 mm	2.11 mm	2.41 mm	2.77 mm	3.05 mm	3.40 mm	3.76 mm
DIA. EXT.	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
PULGA DAS	0.020.	0.022.	0.025.	0.028.	0.032.	0.035.	0.042.	0.049.	0.058.	0.065.	0.072.	0.083.	0.095.	0.109.	0.120.	0.134.	0.148.
1/4"	0.730.	0.0797.	0.894.	0.0988.	0.1121.	0.1196.	0.1376.	0.1565.	0.1769.	0.1910.	0.2037.	0.2202.	0.2340.				
3/8"	0.1127.	1.283	0.1391.	0.1544.	0.1743.	0.1891.	0.2223.	0.2538.	0.2922.	0.3202.	0.3467.	0.3850.	0.4227.	0.4608.	0.4862.	0.5132.	0.5338.
1/2"	0.1525.	0.1671.	0.1886.	0.2099.	0.2379.	0.2586.	0.3056.	0.3511.	0.4074.	0.4493.	0.4897.	0.5499.	0.6114.	0.6773.	0.7246.	0.7794.	0.8279.
3/4"	0.2319.	0.2545.	0.2880.	0.3212.	0.3651.	0.3977.	0.4725.	0.5457.	0.6379.	0.7075.	0.7758.	0.8798.	0.9889.	1.1103.	1.2014.	1.3118.	1.4158.
1"	0.3114.	0.3419.	0.3873.	0.4325.	0.4922.	0.5367.	0.6393.	0.7405.	0.8262.	0.9650.	1.0618.	1.2095.	1.3662.	1.5430.	1.6784.	1.8436.	2.1943.
1 1/4"	0.3776.	0.4147.	0.4702.	0.5252.	0.6194.	0.6758.	0.8063.	0.9352.	1.0987.	1.2240.	1.3478.	1.5385.	1.7439.	1.9760.	2.1546.	2.3763.	2.5920.
1 1/2"	0.4703.	0.5167.	0.5859.	0.6550.	0.7465.	0.8148.	0.9731.	1.1298.	1.3290.	1.4823.	1.6338.	1.8689.	2.1218.	2.4090.	1.6322.	2.9090.	3.1798.
2"		0.6919.	0.7846.	0.8774.	1.2008.	1.0929.	1.3069.	1.5192.	1.7900.	1.9983.	2.2067.	2.5281.	2.8763.	3.2750.	3.5845.	3.9729.	4.3653.
2 1/2"				1.0999.	1.2551.	1.3710.	1.6412.	1.9091.	2.2513.	2.5147.	2.7780.	3.1387.	3.6307.	4.1411.	4.5384.	5.0383.	5.5323.
3"						1.6487.	1.9745.	2.2979.	2.7111.	3.0310.	3.3509.	3.8479.	4.3851.	5.1971.	5.4922.	6.1037.	6.7079.
4"								3.0771.	3.6336.	4.0652.	4.4937.	5.1663.	5.8954.	6.7406.	7.3998.	8.2331.	9.0604.
6"														9.9000.			

TUBING

Tabla en página anterior.



TIPO DE NIPLES POR LONGITUD (C)

TAMAÑO NOMINAL (PULGADAS)

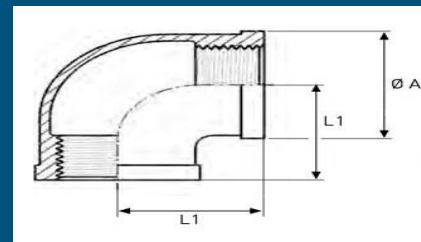
TIPO DE NIPLE	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
ROSCADA, CORRIDA	3/4	7/8	1	1 1/8	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/2	2 5/8	2 7/8
L	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2							
O	2	2	2	2	2	2	2	2				
N	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2			
G	3	3	3	3	3	3	3	3	3	3	3	
I	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2		
T	4	4	4	4	4	4	4	4	4	4	4	4
U	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
D	5	5	5	5	5	5	5	5	5	5	5	5
D	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
E	6	6	6	6	6	6	6	6	6	6	6	6
L	7	7	7	7	7	7	7	7	7	7	7	7
N	8	8	8	8	8	8	8	8	8	8	8	8
I	9	9	9	9	9	9	9	9	9	9	9	9
P	10	10	10	10	10	10	10	10	10	10	10	10
L	11	11	11	11	11	11	11	11	11	11	11	11
E	12	12	12	12	12	12	12	12	12	12	12	12



UNIÓN
MEDIDA
1/2"
3/4"
1"
1 1/2"
2"



CODO ROSCADO 90°		
DN	L1 mm	PESO kg/u
1/8"	17	0,04.
1/4"	19	0,06.
3/8"	25	0,07.
1/2"	28	0,10.
3/4"	33	0,16.
1"	38	0,26.
1 1/4"	45	0,40.
1 1/2"	48	0,50.
2"	58	0,74.
2 1/2" 3"	69	1,36.
3"	78	1,48.
4"	96	2,76.



MEDIDA NOMINAL (CRUZ)	
Pulgadas	mm.
1/4"	6,35
3/8"	9,53
1/2"	12,70.
3/4"	19,05
1"	20,40.
1 1/4"	31,75
1 1/2"	38,10.
2"	50,80.
2 1/2"	63,50.
3"	73,20.



MEDIDA NOMINAL (COPLES)	
Pulgadas	mm
1/4	6,35
3/8	9,53
1/2	12,70.
3/4	19,05
1	20,40.
1 1/4	31,75
1 1/2	38, 10.
2	50,80.
2 1/2	63,50.
3	76,20.



MEDIDA NOMINAL (TEE)	
Pulgadas	mm
1/4	6,35
3/8	9,53
1/2	12,70.
3/4	19,05
1	25,40.
1 1/4	31,75
1 1/2	38,10.
2	50,80.
2 1/2	63,50.
3	76,20.



MEDIDA NOMINAL (REDUCCIÓN BUSHING)

Pulgadas

mm.

1/4 x 1/8

6,35 x 3,18

3/8 x 1/4

9,53 x 6,35

1/2 x 1/4

12,70 x 6,35

1/2 x 3/8

12,70 x 9,53

3/4 x 1/4

19,05 x 6,35

3/4 x 3/8

19,05 x 9,53

3/4 x 1/2

19,05 x 12,70

1 x 1/4

25,40 x 6,35

1 x 3/8

25,40 x 9,53

1 x 1/2

25,40 x 12,70.

1 x 3/4

25,40 x 19,05

1 1/4 x 1/4

31,75 x 6,35

1 1/4 x 3/8

31,75 x 9,53

1 1/4 x 1/2

31,75 x 12,70

1 1/4 x 3/4

31,75 x 19,05

1 1/4 x 1

31,75 x 25,40

1 1/2 x 1/4

38,10 x 6,35

1 1/2 x 3/8

38,10 x 9,53

1 1/2 x 1/2

38,10 x 12,70

1 1/2 x 3/4

38,10 x 19,05

1 1/2 x 1

38,10 x 25,40

1 1/2 x 1 1/4

38,10 x 31,75

2 x 1/4

50,80 x 6,35

2 x 3/8

50,80 x 9,53

2 x 1/2

50,80 x 12,70

2 x 3/4

50,80 x 19,05

2 x 1

50,80 x 25,40

2 x 1 1/4

50,80 x 31,75

2 x 1 1/2

50,80 x 38,10

2 1/2 x 1/2

63,50 x 12,70

2 1/2 x 3/4

63,50 x 19,05

2 1/2 x 1

63,50 x 25,40

2 1/2 x 1 1/4

63,50 x 31,75

2 1/2 x 1 1/2

63,50 x 38,10

2 1/2 x 2

63,50 x 50,80

3 x 1/2

76,20 x 12,70

3 x 3/4

76,20 x 19,05

3 x 1

76,20 x 25,40

3 x 1 1/4

76,20 x 31,70

3 x 1 1/2

76,20 x 38,10

3 x 2

76,20 x 50,80

3 x 2 1/2

76,20 x 63,50



NIPLE BOTELLA			
MEDIDA	L	D	E/C
1/8	-	-	-
1/4	38,5	12	14
3/8	42	15	17
1/2	47	19	22
3/4	50	25	27
1	56	30	36
1 1/4	65	40	46
1 1/2	72	50	54
2	85	60	65
2 1/2	97	76	85
3	107	86	99
4	-	-	-

