



◀▶ **ATUSA**

  
**VIDEIRATERM**  
VIVA NO MELHOR AMBIENTE

ACESSÓRIOS DE  
**LATÃO**

ACESSÓRIOS  
DE LATÃO

## ACESSÓRIOS PARA TUBO POLIETILENO SÉRIE "GORBEA"

- Acessórios de latão de compressão fabricados em CW617N cumprindo a norma EN 12165.
- Sistema de compressão por ROSCA EXTERNA.
- Acessórios fabricados cumprindo a normativa EN 1254.4
- Acessórios com certificado DVGW para uso em água potável.

- Na sua instalação aconselha-se a utilização de Bainha de Reforço evitando-se assim possíveis problemas de estanquidade provenientes das deformações do tubo.
- Pressão máxima de trabalho: PN 25.
- Temperatura máxima de serviço 60° C.



### UNIÃO DUPLA

Ø			COD.	€
20	50	10	LPGRD020	5,05
25	30	10	LPGRD025	7,65
32	20	5	LPGRD032	10,55
40	12	4	LPGRD040	17,95
50	8	4	LPGRD050	25,90
63	3		LPGRD063	43,45

### UNIÃO MACHO

Ø			COD.	€
1/2" x 20	90	10	LPGRM320	2,90
3/4" x 25	60	10	LPGRM425	4,30
1" x 32	35	5	LPGRM532	6,50
1 1/4" x 40	20	5	LPGRM640	11,00
1 1/2" x 50	12	4	LPGRM750	16,30
2" x 63	6	3	LPGRM863	25,90



### UNIÃO FÊMEA

Ø			COD.	€
1/2" x 20	80	10	LPGRH320	3,20
3/4" x 25	60	10	LPGRH425	4,95
1" x 32	30	5	LPGRH532	6,80
1 1/4" x 40	20	5	LPGRH640	11,80
1 1/2" x 50	8	4	LPGRH750	17,85
2" x 63	6	3	LPGRH863	30,85

### JOELHO DUPLO

Ø			COD.	€
20	40	10	LPGCD020	5,70
25	20	10	LPGCD025	9,00
32	15	5	LPGCD032	12,70
40	10	5	LPGCD040	22,25
50	5		LPGCD050	32,65
63	3		LPGCD063	53,85



### JOELHO MACHO

Ø			COD.	€
1/2" x 20	70	10	LPGCM320	4,00
3/4" x 25	40	10	LPGCM425	6,10
1" x 32	25	5	LPGCM532	8,80
1 1/4" x 40	10	5	LPGCM640	15,25
1 1/2" x 50	10	5	LPGCM750	22,70
2" x 63	4		LPGCM863	39,20



### JOELHO FÊMEA

Ø			COD.	€
1/2" x 20	70	10	LPGCH320	4,15
3/4" x 25	40	10	LPGCH425	6,45
1" x 32	25	5	LPGCH532	9,55
1 1/4" x 40	10	5	LPGCH640	16,45
1 1/2" x 50	8	4	LPGCH750	24,25
2" x 63	4		LPGCH863	41,25



### TÊ

Ø			COD.	€
20	30	10	LPGTD020	8,15
25	20	5	LPGTD025	12,45
32	10	5	LPGTD032	18,25
40	6		LPGTD040	31,45
50	4		LPGTD050	47,70
63	3		LPGTD063	78,45

### TÊ FÊMEA

Ø			Ø	€
1/2" x 20	30	10	LPGTH320	6,45
3/4" x 25	20	5	LPGTH425	10,00
1" x 32	15	5	LPGTH532	14,75
1 1/4" x 40	6		LPGTH640	25,05
1 1/2" x 50	4		LPGTH750	40,80
2" x 63	3		LPGTH863	64,00



### JOELHO FÊMEA C/PATER

Ø			COD.	€
1/2" x 20	40	10	LPGCP320	5,60
3/4" x 25	20	5	LPGCP425	8,65
1" x 32	15	5	LPGCP532	12,70

### JOELHO MACHO 45°

Ø			COD.	€
1" x 32	25	5	LPGC4532	11,45
1 1/4" x 40	10	5	LPGC4540	20,25
1 1/2" x 50	10	5	LPGC4550	32,10



### UNIÃO LONGA

Ø	📦		COD.	€
32	18	1	LPGRR032	19,35
40	10	1	LPGRR040	27,20
50	5	1	LPGRR050	40,90
63	3	1	LPGRR063	65,55



### BAINHA DE REFORÇO

Ø	📦		COD.	€
20	250	10	LPGVR020	1,25
25	150	10	LPGVR025	1,75
32	100	10	LPGVR032	3,50
40	50	5	LPGVR040	3,75
50	40	5	LPGVR050	5,65
63	20	2	LPGVR063	16,80

## ACESSÓRIOS PARA TUBO POLIETILENO SÉRIE "URBASA"



- Acessórios de latão de compressão de alta qualidade para tubo de polietileno.
- Certificação DVGW nº DV-7501AR3921 (água PN16 – gás PN10).
- Na sua instalação aconselha-se a utilização de Bainha de Reforço evitando-se assim possíveis problemas de estanquidade provenientes das deformações do tubo.

- Sistema de compressão por rosca externa.
- Temperatura máxima de serviço: 60° C.
- Campos de aplicação: Distribuição sobre pressão de fluidos alimentares e não alimentares com temperaturas não superiores a 60° C, bem como água potável e não potável de acordo com as prescrições higiénico-sanitárias.



### UNIÃO DUPLA

Ø	📦		COD.	€
20	40	10	LPERD020	6,70
25	20	10	LPERD025	8,65
32	15	5	LPERD032	12,40
40	12		LPERD040	19,50
50	8		LPERD050	30,00
63	3		LPERD063	46,55



### UNIÃO MACHO

Ø	📦		COD.	€
1/2" x 20	60	10	LPERM320	4,00
3/4" x 25	40	10	LPERM425	4,95
1" x 32	30	5	LPERM532	7,75
1 1/4" x 40	20		LPERM640	12,25
1 1/2" x 50	10		LPERM750	18,40
2" x 63	6		LPERM863	27,10



### UNIÃO FÊMEA

Ø	📦		COD.	€
1/2" x 20	60	10	LPERH320	4,00
3/4" x 25	40	10	LPERH425	5,35
1" x 32	20	5	LPERH532	8,10
1 1/4" x 40	20		LPERH640	13,10
1 1/2" x 50	10		LPERH750	19,10
2" x 63	6		LPERH863	30,25



### JOELHO DUPLO

Ø	📦		COD.	€
20	40	10	LPECD020	7,70
25	20	10	LPECD025	9,50
32	15		LPECD032	15,20
40	10		LPECD040	25,20
50	5		LPECD050	40,05
63	3		LPECD063	60,90



### JOELHO MACHO

Ø	📦		COD.	€
1/2" x 20	60	10	LPECM320	5,40
3/4" x 25	30	10	LPECM425	7,25
1" x 32	25		LPECM532	11,35
1 1/4" x 40	10		LPECM640	18,55
1 1/2" x 50	6		LPECM750	29,95
2" x 63	3		LPECM863	45,05



### JOELHO FÊMEA

Ø	📦		COD.	€
1/2" x 20	60	10	LPECH320	6,45
3/4" x 25	30	10	LPECH425	7,00
1" x 32	25		LPECH532	11,80
1 1/4" x 40	10		LPECH640	18,55
1 1/2" x 50	6		LPECH750	31,10
2" x 63	3		LPECH863	46,45



### TÉ

Ø			COD.	€
20	30	10	LPETD020	10,30
25	15	5	LPETD025	12,90
32	10		LPETD032	19,80
40	6		LPETD040	34,35
50	4		LPETD050	56,15
63	2		LPETD063	87,15



### TÉ MACHO

Ø			COD.	€
1/2" x 20	30	10	LPETM320	8,55
3/4" x 25	20	5	LPETM425	11,00
1" x 32	15		LPETM532	17,45
1 1/4" x 40	6		LPETM640	30,55
1 1/2" x 50	4		LPETM750	46,90
2" x 63	3		LPETM863	73,85



### TÉ FEMEA

Ø			COD.	€
1/2" x 20	30	10	LPETH320	8,05
3/4" x 25	20	5	LPETH425	10,50
1" x 32	15		LPETH532	16,60
1 1/4" x 40	6		LPETH640	28,65
1 1/2" x 50	4		LPETH750	44,90
2" x 63	3		LPETH863	70,30



### JOELHO FÊMEA C/PATER

Ø			COD.	€
1/2" x 20	30	10	LPECP320	6,75
3/4" x 25	20	5	LPECP425	8,50
1" x 32	15		LPECP532	14,10



Nº 13 ACC LY 425

## ACESSÓRIOS TUBO POLIETILENO SÉRIE "RONCAL"

- Acessórios de latão de compressão SYC para tubo de polietileno.
- Na sua instalação aconselha-se a utilização da bainha de reforço, assim evita-se possíveis problemas de estanquidade provenientes das deformações dos tubos.
- Sistema de compressão por rosca interna.
- Temperatura máxima de serviço: 60° C.

- Campos de aplicação: Distribuição sobre pressão de fluidos alimentares e não alimentares com temperaturas não superiores a 60° C, bem como água potável e não potável de acordo com as prescrições higiénico-sanitárias.
- Marcação unitária.
- Certificação ACS.



### UNIÃO DUPLA

Ø			COD.	€
20	40	10	LPORD020	6,05
25	30	10	LPORD025	7,80
32	20	5	LPORD032	11,45
40	15	5	LPORD040	17,90
50	9	3	LPORD050	26,40
63	4	2	LPORD063	46,65



### UNIÃO MACHO

Ø			COD.	€
1/2" x 20	70	10	LPORM320	3,60
3/4" x 25	50	10	LPORM425	4,55
1" x 32	30	5	LPORM532	6,90
1 1/4" x 40	20	5	LPORM640	10,65
1 1/2" x 50	10	5	LPORM750	16,00
2" x 63	6	3	LPORM863	28,20



### UNIÃO FÊMEA

Ø	📦		COD.	€
1/2" x 20	70	10	LPORH320	3,75
3/4" x 25	50	10	LPORH425	4,90
1" x 32	30	5	LPORH532	7,00
1 1/4" x 40	20	5	LPORH640	11,25
1 1/2" x 50	10	5	LPORH750	16,00
2" x 63	6	3	LPORH863	28,60



### JOELHO DUPLO

Ø	📦		COD.	€
20	40	10	LPOCD020	6,95
25	20	10	LPOCD025	8,90
32	15	5	LPOCD032	13,25
40	8	4	LPOCD040	20,75
50	4		LPOCD050	31,80
63	3		LPOCD063	54,00



### JOELHO MACHO

Ø	📦		COD.	€
1/2" x 20	50	10	LPOCM320	4,70
3/4" x 25	40	10	LPOCM425	6,35
1" x 32	20	5	LPOCM532	9,55
1 1/4" x 40	12	4	LPOCM640	15,50
1 1/2" x 50	9	3	LPOCM750	22,50
2" x 63	4	2	LPOCM863	36,05



### JOELHO FÊMEA

Ø	📦		COD.	€
1/2" x 20	50	10	LPOCH320	4,30
3/4" x 25	40	10	LPOCH425	6,05
1" x 32	20	5	LPOCH532	9,10
1 1/4" x 40	15	5	LPOCH640	14,30
1 1/2" x 50	10	5	LPOCH750	22,05
2" x 63	4		LPOCH863	36,35



### TÊ

Ø	📦		COD.	€
20	20	10	LPOTD020	10,05
25	15	5	LPOTD025	12,70
32	15	5	LPOTD032	19,30
40	8	4	LPOTD040	30,20
50	4		LPOTD050	45,15
63	2		LPOTD063	75,05



### TÊ FÊMEA

Ø	📦		COD.	€
1/2" x 20	30	10	LPOTH320	7,95
3/4" x 25	20	5	LPOTH425	10,30
1" x 32	15	5	LPOTH532	14,95
1 1/4" x 40	8	4	LPOTH640	24,25
1 1/2" x 50	4		LPOTH750	36,95
2" x 63	3		LPOTH863	55,45



### UNIÃO LONGA

Ø	📦		COD.	€
25	24	1	LPORR025	12,30
32	20	1	LPORR032	18,25
40	12	1	LPORR040	25,65
50	7	1	LPORR050	38,65

## ACESSÓRIOS PARA TUBO DE POLIETILENO "GRANDES DIÂMETROS"



**UNIÃO DUPLA**

Ø			COD.	€
75	4	1	LPGRD075	85,00
90	4	1	LPGRD090	126,20
110	2	1	LPGRD110	188,00



**UNIÃO MACHO**

Ø			COD.	€
2 1/2" x 75	6	1	LPGRMA75	50,00
3" x 90	5	1	LPGRMB90	74,20
4" x 110	3	1	LPGRM110	118,70



**UNIÃO FÊMEA**

Ø			COD.	€
2 1/2" x 75	6	1	LPGRHA75	51,00
3" x 90	5	1	LPGRHB90	76,85
4" x 110	3	1	LPGRH110	114,00



**JOELHO DUPLO**

Ø			COD.	€
75	3	1	LPGCD075	106,00
90	1		LPGCD090	172,80
110	1		LPGCD110	265,00



**JOELHO MACHO**

Ø			COD.	€
2 1/2" x 75	4	1	LPGCMA75	69,20
3" x 90	2	1	LPGCMB90	116,60
4" x 110	1		LPGCM110	173,00



**JOELHO FÊMEA**

Ø			COD.	€
2 1/2" x 75	4	1	LPGCHA75	68,00
3" x 90	2	1	LPGCHB90	108,00
4" x 110	1		LPGCH110	165,00



**TÊ**

Ø			COD.	€
75	2	1	LPGTD075	164,00
90	1		LPGTD090	250,00
110	1		LPGTD110	385,00



**TÊ FÊMEA**

Ø			COD.	€
2 1/2" x 75	2	1	LPGTHA75	118,00
3" x 90	1		LPGTHB90	183,00
4" x 110	1		LPGTH110	318,00

## ACESSÓRIOS DE LATÃO ROSCADOS



2

CURVA 90° F/F

Ø	📦		COD.	€
1/2"	120	10	LS002003	2,65
3/4"	80	10	LS002004	4,25
1"	40	10	LS002005	7,45
1 1/4"	40	5	LS002006	13,25
1 1/2"	25	5	LS002007	19,60
2"	18	1	LS002008	29,70



90

JOELHO 90° F/F

Ø	📦		COD.	€
3/8"	350	10	LS090002	1,45
1/2"	200	10	LS090003	1,70
3/4"	100	10	LS090004	2,65
1"	60	10	LS090005	4,25
1 1/4"	80	5	LS090006	6,70
1 1/2"	55	5	LS090007	8,85
2"	30	5	LS090008	14,75
2 1/2"	16	1	LS09000A	32,35
3"	8	1	LS09000B	49,30
4"	4	1	LS09000D	88,00



90R

JOELHO DE REDUÇÃO 90° F/F

Ø	📦		COD.	€
1/2" x 3/8"	250	10	LS090032	1,40
3/4" x 1/2"	150	10	LS090043	2,35
1" x 1/2"	100	10	LS090053	3,05
1" x 3/4"	80	10	LS090054	3,70
1 1/4" x 1"	80	5	LS090065	6,75
1 1/2" x 1"	80	5	LS090075	7,95
1 1/2" x 1 1/4"	60	5	LS090076	10,20



92

JOELHO 90° M/F

Ø	📦		COD.	€
3/8"	350	10	LS092002	1,40
1/2"	200	10	LS092003	1,90
3/4"	100	10	LS092004	2,90
1"	60	10	LS092005	4,75
1 1/4"	35	5	LS092006	6,70
1 1/2"	25	5	LS092007	9,10
2"	25	5	LS092008	16,45
2 1/2"	14	1	LS09200A	33,75
3"	10	1	LS09200B	45,60



130

TÊ 90°

Ø	📦		COD.	€
3/8"	250	10	LS130002	1,60
1/2"	150	10	LS130003	2,00
3/4"	60	10	LS130004	4,05
1"	40	10	LS130005	5,60
1 1/4"	50	5	LS130006	8,35
1 1/2"	40	5	LS130007	10,90
2"	20	5	LS130008	19,20
2 1/2"	11	1	LS13000A	41,55
3"	8	1	LS13000B	58,30
4"	4	1	LS13000D	111,30



130R

TÊ 90° REDUÇÃO

Ø	📦		COD.	€
3/4" x 1/2" x 3/4"	80	10	LS130434	3,00
1" x 1/2" x 1"	60	10	LS130535	3,90
1" x 3/4" x 1"	50	10	LS130545	5,25
1 1/4" x 1/2" x 1 1/4"	40	5	LS130636	6,85
1 1/4" x 3/4" x 1 1/4"	35	5	LS130646	7,35
1 1/4" x 1" x 1 1/4"	60	5	LS130656	7,65
1 1/2" x 1/2" x 1 1/2"	60	5	LS130737	7,45
1 1/2" x 3/4" x 1 1/2"	30	5	LS130747	8,10
1 1/2" x 1" x 1 1/2"	25	5	LS130757	8,85
1 1/2" x 1 1/4" x 1 1/2"	40	5	LS130767	10,15
2" x 1/2" x 2"	15	5	LS130838	11,95
2" x 3/4" x 2"	15	5	LS130848	11,95
2" x 1" x 2"	25	5	LS130858	13,45
2" x 1 1/4" x 2"	15	5	LS130868	14,85
2" x 1 1/2" x 2"	10	5	LS130878	16,95



180

CRUZETA

Ø	📦		COD.	€
3/8"	200	10	LS180002	1,95
1/2"	110	10	LS180003	3,05
3/4"	60	10	LS180004	4,50
1"	30	10	LS180005	7,10
1 1/4"	40	5	LS180006	10,80
1 1/2"	30	5	LS180007	14,50
2"	16	1	LS180008	25,45



## 240 UNIÃO DE REDUÇÃO F/F

Ø		COD.	€
1/2" x 3/8"	350 10	LS240032	0,95
3/4" x 1/2"	200 10	LS240043	1,60
1" x 1/2"	160 10	LS240053	2,10
1" x 3/4"	140 10	LS240054	2,15
1 1/4" x 1"	80 10	LS240065	3,35
1 1/2" x 1"	120 10	LS240075	4,05
1 1/2" x 1 1/4"	100 10	LS240076	4,40
2" x 1"	40 5	LS240085	6,45
2" x 1 1/4"	40 5	LS240086	6,70
2" x 1 1/2"	30 5	LS240087	7,00



## 245 CASQUILHO DUPLO DE REDUÇÃO M/M

Ø		COD.	€
1/4" x 1/8"	1100 10	LS245010	0,41
3/8" x 1/8"	900 10	LS245020	0,56
3/8" x 1/4"	900 10	LS245021	0,65
1/2" x 1/4"	750 10	LS245031	0,80
1/2" x 3/8"	700 10	LS245032	0,80
3/4" x 1/2"	400 10	LS245043	1,27
1" x 1/2"	280 10	LS245053	1,80
1" x 3/4"	250 10	LS245054	1,85
1 1/4" x 3/4"	110 10	LS245064	2,90
1 1/4" x 1"	100 10	LS245065	2,95
1 1/2" x 3/4"	80 10	LS245074	4,65
1 1/2" x 1"	120 10	LS245075	4,15
1 1/2" x 1 1/4"	100 10	LS245076	4,20
2" x 1"	100 5	LS245085	5,85
2" x 1 1/4"	100 5	LS245086	5,95
2" x 1 1/2"	100 5	LS245087	6,25
2 1/2" x 2"	30 1	LS2450A8	12,60
3" x 2"	20 1	LS2450B8	18,15
3" x 2 1/2"	20 1	LS2450BA	16,95



## 246 CASQUILHO MARSELHA DE REDUÇÃO M/F

Ø		COD.	€
3/8" M x 1/2" H	400 10	LS246023	1,06
1/2" M x 3/8" H	400 10	LS246032	0,90
1/2" M x 3/4" H	300 10	LS246034	1,55
1/2" M x 1" H	180 10	LS246035	2,45
1/2" M x 1 1/4" H	110 10	LS246036	3,65
3/4" M x 1/2" H	300 10	LS246043	1,40
3/4" M x 1" H	150 10	LS246045	2,45
1" M x 3/4" H	170 10	LS246054	2,45
1" M x 1 1/4" H	110 10	LS246056	3,60
1" M x 1 1/2" H	90 10	LS246057	4,35
1" M x 2" H	50 10	LS246058	7,20
1 1/4" M x 1 1/2" H	80 10	LS246067	5,60
1 1/4" M x 2" H	40 5	LS246068	7,55
1 1/2" M x 2" H	40 5	LS246078	7,10
2" M x 2 1/2" H	40 1	LS24608A	13,45



## 241 PORCA REDUÇÃO HEXAGONAL

Ø		COD.	€
1/4" M x 1/8" H	1400 10	LS241010	0,22
3/8" M x 1/8" H	1200 10	LS241020	0,42
3/8" M x 1/4" H	1200 10	LS241021	0,38
1/2" M x 1/4" H	500 10	LS241031	0,80
1/2" M x 3/8" H	500 10	LS241032	0,53
3/4" M x 1/2" H	300 10	LS241043	0,95
1" M x 1/2" H	250 10	LS241053	1,85
1" M x 3/4" H	250 10	LS241054	1,55
1 1/4" M x 1/2" H	150 10	LS241063	4,15
1 1/4" M x 3/4" H	150 10	LS241064	3,00
1 1/4" M x 1" H	150 10	LS241065	2,25
1 1/2" M x 1/2" H	140 10	LS241073	4,15
1 1/2" M x 3/4" H	140 10	LS241074	5,00
1 1/2" M x 1" H	140 10	LS241075	3,75
1 1/2" M x 1 1/4" H	140 10	LS241076	2,50
2" M x 1/2" H	60 5	LS241083	7,00
2" M x 3/4" H	60 5	LS241084	7,00
2" M x 1" H	60 5	LS241085	7,55
2" M x 1 1/4" H	60 5	LS241086	6,80
2" M x 1 1/2" H	60 5	LS241087	5,85
2 1/2" M x 1 1/4" H	40 1	LS2410A6	11,65
2 1/2" M x 1 1/2" H	40 1	LS2410A7	12,65
2 1/2" M x 2" H	40 1	LS2410A8	10,35
3" M x 2" H	20 1	LS2410B8	21,20
3" M x 2 1/2" H	20 1	LS2410BA	14,10
4" M x 2" H	20 1	LS2410D8	35,30
4" M x 2 1/2" H	20 1	LS2410DA	36,75
4" M x 3" H	20 1	LS2410DB	33,95



## 270 UNIÃO F/F

Ø		COD.	€
3/8"	350 10	LS270002	0,95
1/2"	250 10	LS270003	1,28
3/4"	150 10	LS270004	1,95
1"	100 10	LS270005	3,05
1 1/4"	50 10	LS270006	4,25
1 1/2"	70 10	LS270007	6,15
2"	40 5	LS270008	11,35
2 1/2"	30 1	LS27000A	17,65
3"	22 1	LS27000B	22,95
4"	10 1	LS27000D	46,30



## 280 CASQUILHO DUPLO M/M

Ø		COD.	€
1/8"	1200 10	LS280000	0,25
1/4"	1000 10	LS280001	0,40
3/8"	800 10	LS280002	0,70
1/2"	350 10	LS280003	0,95
3/4"	200 10	LS280004	1,35
1"	150 10	LS280005	2,15
1 1/4"	80 10	LS280006	3,30
1 1/2"	60 10	LS280007	4,45
2"	30 5	LS280008	6,90
2 1/2"	20 1	LS28000A	15,50
3"	25 1	LS28000B	23,95
4"	12 1	LS28000D	52,05





## 290 TAMPÃO MACHO COM REBORDO

Ø	📦		COD.	€
1/8"	1500	10	LS290000	0,35
1/4"	1300	10	LS290001	0,42
3/8"	1000	10	LS290002	0,50
1/2"	600	10	LS290003	0,67
3/4"	350	10	LS290004	1,06
1"	200	10	LS290005	1,70
1 1/4"	130	10	LS290006	2,60
1 1/2"	100	10	LS290007	3,70
2"	60	5	LS290008	6,25
2 1/2"	40	1	LS29000A	13,30
3"	24	1	LS29000B	18,00
4"	12	1	LS29000D	29,70



## 300 TAMPÃO FÊMEA

Ø	📦		COD.	€
1/4"	1200	10	LS300001	0,35
3/8"	1000	10	LS300002	0,53
1/2"	450	10	LS300003	0,74
3/4"	300	10	LS300004	1,11
1"	200	10	LS300005	1,70
1 1/4"	150	10	LS300006	2,15
1 1/2"	120	10	LS300007	3,20
2"	70	5	LS300008	5,00



## 315 CANHÃO PARA MANGUEIRA

Ø	📦		COD.	€
3/8" x 12 mm.	400	10	LS315002	0,95
1/2" x 14 mm.	250	10	LS315003	1,50
3/4" x 20 mm.	150	10	LS315004	2,12
<b>NEW</b> 1" x 20 mm.	100	10	LS315205	3,30
1" x 25 mm.	90	10	LS315255	3,50
1" x 30 mm.	80	10	LS315005	3,80
1 1/4" x 35 mm.	50	5	LS315006	7,10
1 1/2" x 45 mm.	20	5	LS315007	9,00
2" x 50 mm.	40	5	LS315508	14,30
2" x 60 mm.	30	5	LS315008	15,90



## 318 TÊ 5 VIAS

Ø	📦		COD.	€
1"x1"x1"x 92 mm.	60	5	LS318005	8,25



## AUMENTO EM LATÃO M/F

Ø	📦		COD.	€
M3/8" x H3/8" x 30mm.	360	10	LSB00302	1,50
M3/8" x H3/8" x 50mm.	250	5	LSB00502	2,15
M3/8" x H3/8" x 100mm.	180		LSB01002	3,85
M1/2" x H1/2" x 20mm.	380	10	LSB00203	1,45
M1/2" x H1/2" x 30mm.	240	10	LSB00303	1,95
M1/2" x H1/2" x 40mm.	200	10	LSB00403	2,50
M1/2" x H1/2" x 50mm.	160	5	LSB00503	2,95
M1/2" x H1/2" x 60mm.	140	5	LSB00603	3,50
M1/2" x H1/2" x 70mm.	130	5	LSB00703	4,10
M1/2" x H1/2" x 80mm.	140		LSB00803	4,55
M1/2" x H1/2" x 100mm.	105		LSB01003	5,60
M3/4" x H3/4" x 20mm.	210	10	LSB00204	1,95
M3/4" x H3/4" x 40mm.	130	10	LSB00404	3,20
M3/4" x H3/4" x 50mm.	100	5	LSB00504	3,80
M3/4" x H3/4" x 60mm.	90	5	LSB00604	4,50
M3/4" x H3/4" x 80mm.	96	1	LSB00804	5,85
M3/4" x H3/4" x 100mm.	78	1	LSB01004	7,30



## 529 CASQUILHO MARSELHA M/F

Ø	📦		COD.	€
3/8"	650	10	LS529002	0,60
1/2"	300	10	LS529003	0,92
3/4"	250	10	LS529004	1,55
1"	120	10	LS529005	2,50
1 1/4"	80	10	LS529006	3,80
1 1/2"	60	10	LS529007	5,25
2"	60	5	LS529008	8,15



## AUMENTO CROMADO M/F

Ø	📦		COD.	€
M3/8" x H3/8" x 30mm.	360	10	LSBC0302	1,45
M3/8" x H3/8" x 50mm.	250	5	LSBC0502	2,25
M3/8" x H3/8" x 100mm.	180		LSBC1002	3,75
M1/2" x H1/2" x 20mm.	380	10	LSBC0203	1,55
M1/2" x H1/2" x 40mm.	200	10	LSBC0403	2,70
M1/2" x H1/2" x 50mm.	160	5	LSBC0503	3,25
M1/2" x H1/2" x 60mm.	140	5	LSBC0603	3,80
M1/2" x H1/2" x 80mm.	140	1	LSBC0803	5,05
M1/2" x H1/2" x 100mm.	105	1	LSBC1003	6,15
M3/4" x H3/4" x 40mm.	130	10	LSBC0404	3,50
<b>NEW</b> M3/4" x H3/4" x 50mm.	100	5	LSBC0504	4,55
M3/4" x H3/4" x 80mm.	96	1	LSBC0804	6,30
M3/4" x H3/4" x 100mm.	78	1	LSBC1004	7,80



## 529H CASQUILHO MARSELHA HEXAGONAL M/F

Ø	📦		COD.	€
1/2"	300	10	LS529H03	1,50



## 529L CASQUILHO MARSELHA M/F LONGO

Ø	📦		COD.	€
1/2"	270	10	LS529L03	1,35



## 330 JUNÇÃO FÊMEA S/D

NEW

Ø	📦		COD.	€
1/2"	100	10	LS330003	4,40
3/4"	70	10	LS330004	6,80
1"	50	10	LS330005	8,80
1 1/4"	30	5	LS330006	13,70
1 1/2"	20	5	LS330007	16,80
2"	20	5	LS330008	32,00



## 331 JUNÇÃO M/F S/D

NEW

Ø	📦		COD.	€
1/2"	100	10	LS331003	4,55
3/4"	70	10	LS331004	7,10
1"	50	10	LS331005	10,10
1 1/4"	30	5	LS331006	15,80
1 1/2"	20	5	LS331007	19,95
2"	20	5	LS331008	33,90



## 340 JUNÇÃO CÔNICA F/F S/C

Ø	📦		COD.	€
1/2"	100	10	LS340003	4,25
3/4"	70	10	LS340004	6,25
1"	50	10	LS340005	8,50
1 1/4"	30	5	LS340006	13,05
1 1/2"	20	5	LS340007	16,45
2"	20	5	LS340008	27,55
2 1/2"	14	1	LS34000A	59,35
3"	12	1	LS34000B	78,45



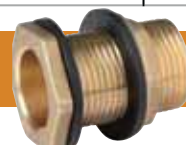
## 341 JUNÇÃO CÔNICA M/F S/C

Ø	📦		COD.	€
1/2"	100	10	LS341003	4,45
3/4"	60	10	LS341004	6,55
1"	40	10	LS341005	9,85
1 1/4"	25	5	LS341006	14,30
1 1/2"	20	5	LS341007	19,30
2"	20	5	LS341008	28,60
2 1/2"	10	1	LS34100A	72,10
3"	6	1	LS34100B	100,70



## JUNÇÃO MANGUEIRA / MANGUEIRA

Ø	📦		COD.	€
20 x 20	120	20	LSHH2020	3,65
25 x 25	80	20	LSHH2525	5,95
30 x 30	40	10	LSHH3030	9,10
35 x 35	20	10	LSHH3535	14,10
40 x 40	20	5	LSHH4040	23,85
45 x 45	25	5	LSHH4545	25,44
50 x 50	20	5	LSHH5050	24,40
60 x 60	15	5	LSHH6060	41,85
70 x 70	12	1	LSHH7070	60,40



## PASSAMUROS

Ø	📦		COD.	€
3/8"	180	10	LSTC0002	1,85
1/2"	120	10	LSTC0003	2,60
3/4"	80	10	LSTC0004	3,50
1"	50	10	LSTC0005	5,30
1 1/4"	30	10	LSTC0006	7,40
1 1/2"	25	5	LSTC0007	11,15
2"	25	5	LSTC0008	17,50
2 1/2"	24	1	LSTC000A	25,45
3"	12	1	LSTC000B	45,25



## JUNÇÃO ROSCA / ROSCA

Ø	📦		COD.	€
1/2" x 1/2"	200	20	LSTT0303	2,85
3/4" x 3/4"	120	20	LSTT0404	4,95
1" x 1"	80	10	LSTT0505	6,70
1 1/4" x 1 1/4"	40	10	LSTT0606	12,40
1 1/2" x 1 1/2"	50	5	LSTT0707	21,10
2" x 2"	25	5	LSTT0808	34,95
2 1/2" x 2 1/2"	20	1	LSTT0A0A	41,35



## JUNÇÃO MANGUEIRA / ROSCA MACHO

Ø	📦		COD.	€
1/2" x 20	160	20	LSHT2003	3,40
3/4" x 25	100	20	LSHT2504	5,50
1" x 30	50	10	LSHT3005	8,05
1 1/4" x 35	30	10	LSHT3506	13,05
1 1/4" x 40	30	5	LSHT4006	22,60
1 1/2" x 45	35	5	LSHT4507	23,00
2" x 60	20	5	LSHT6008	37,75
2 1/2" x 70	16	1	LSHT700A	50,90



## LIGAÇÃO PARA CONTADOR M/F

Ø	📦		COD.	€
1/2" M x 3/4" H	180	2	LS317034	2,65
1/2" M x 7/8" H	140	2	LS317035	3,05
3/4" M x 1" H	110	2	LS317045	4,15
1" M x 1 1/4" H	50	2	LS317056	7,70

# ACESSÓRIOS ROSCADOS - NIQUELADOS



## 90 JOELHO 90° F/F

Ø		COD.	€
3/8"	350 10	LS090C02	1,55
1/2"	200 10	LS090C03	1,90
3/4"	100 10	LS090C04	3,00
1"	60 10	LS090C05	4,60



## 92 JOELHO 90° M/F

Ø		COD.	€
3/8"	350 10	LS092C02	1,55
1/2"	200 10	LS092C03	2,10
3/4"	100 10	LS092C04	3,20
1"	60 10	LS092C05	5,15



## 130 TÉ 90°

Ø		COD.	€
3/8"	250 10	LS130C02	1,70
1/2"	150 10	LS130C03	2,25
3/4"	60 10	LS130C04	4,20
1"	40 10	LS130C05	6,05



## 241 PORCA REDUÇÃO HEXAGONAL

Ø		COD.	€
1/2" M x 3/8" H	500 10	LS241C32	0,65
3/4" M x 1/2" H	300 10	LS241C43	1,00



## 245 CASQUILHO DUPLO DE REDUÇÃO M/M

Ø		COD.	€
1/2" x 3/8"	700 10	LS245C32	0,95
3/4" x 1/2"	400 10	LS245C43	1,45



## 270 UNIÃO F/F

Ø		COD.	€
3/8"	350 10	LS270C02	1,15
1/2"	250 10	LS270C03	1,50
3/4"	150 10	LS270C04	2,05
1"	100 10	LS270C05	3,30



## 280 CASQUILHO DUPLO M/M

Ø		COD.	€
3/8"	800 10	LS280C02	0,85
1/2"	350 10	LS280C03	1,05
3/4"	200 10	LS280C04	1,55
1"	150 10	LS280C05	2,45



## 290 TAMPÃO MACHO COM REBORDO

Ø		COD.	€
3/8"	1000 10	LS290C02	0,65
1/2"	600 10	LS290C03	0,80
3/4"	350 10	LS290C04	1,15
1"	200 10	LS290C05	1,85



## 300 TAMPÃO FÊMEA

Ø		COD.	€
3/8"	1000 10	LS300C02	0,75
1/2"	450 10	LS300C03	0,80
3/4"	300 10	LS300C04	1,25
1"	200 10	LS300C05	1,75



## 529 CASQUILHO MARSELHA M/F

Ø		COD.	€
3/8"	650 10	LS529C02	0,80
1/2"	300 10	LS529C03	1,15
3/4"	250 10	LS529C04	1,85
1"	120 10	LS529C05	2,85



## 529H CASQUILHO MARSELHA HEXAGONAL M/F CHAVE 12MM

Ø		COD.	€
1/2"	300 10	LS529HC3	1,25

## ACESSÓRIOS DE LATÃO SOLDAR / ROSCAR



### 90 JOELHO 90° FÊMEA

Ø			COD.	€
1/2" x 15	400	20	LSR90153	1,35
1/2" x 18	270	15	LSR90183	1,60
1/2" x 22	210	15	LSR90223	1,95
3/4" x 18	200	10	LSR90184	2,05
3/4" x 22	150	10	LSR90224	2,35
3/4" x 28	100	10	LSR90284	3,20
1" x 28	80	10	LSR90285	4,05



### 92 JOELHO 90° MACHO

Ø			COD.	€
1/2" x 15	320	20	LSR92153	1,20
1/2" x 18	270	15	LSR92183	1,60
1/2" x 22	210	10	LSR92223	1,90
3/4" x 22	160	10	LSR92224	2,30



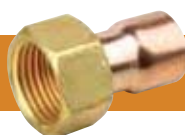
### 243 CASQUILHO MACHO

Ø			COD.	€
1/2" x 15	600	20	LSR43153	0,72
1/2" x 18	450	15	LSR43183	1,05
3/4" x 15	375	15	LSR43154	1,30
3/4" x 18	300	10	LSR43184	1,25
3/4" x 22	300	10	LSR43224	1,15
3/4" x 28	220	10	LSR43284	1,65
1" x 22	200	10	LSR43225	1,85
1" x 28	180	10	LSR43285	1,75



### 270 CASQUILHO FÊMEA

Ø			COD.	€
1/2" x 15	540	20	LSR27153	0,83
1/2" x 18	420	15	LSR27183	1,05
1/2" x 22	300	15	LSR27223	1,15
3/4" x 15	330	15	LSR27154	1,27
3/4" x 18	300	10	LSR27184	1,40
3/4" x 22	230	10	LSR27224	1,60
3/4" x 28	170	10	LSR27284	1,70
1" x 22	170	10	LSR27225	2,30
1" x 28	130	10	LSR27285	2,50



### 359 TERMINAL ABOCARDADO

Ø			COD.	€
1/2" x 15	380	20	LSR59153	1,50
1/2" x 18	330	15	LSR59183	1,65
1/2" x 22	255	15	LSR59223	1,80
3/4" x 15	255	15	LSR59154	2,00
3/4" x 18	230	10	LSR59184	2,30
3/4" x 22	180	10	LSR59224	2,55
1" x 18	160	10	LSR59185	3,30
1" x 22	130	10	LSR59225	3,40
1" x 28	110	10	LSR59285	3,75



### 130 TÊ 90° FÊMEA

Ø			COD.	€
1/2" x 15	260	20	LSR13153	1,40
1/2" x 18	210	15	LSR13183	1,85
1/2" x 22	120	15	LSR13223	2,45
3/4" x 28	70	10	LSR13284	4,00



### JOELHO FÊMEA C/PATER

Ø			COD.	€
1/2" x 15	240	20	LSRCP153	1,70
1/2" x 22	135	15	LSRCP223	2,45
3/4" x 18	140	10	LSRCP184	2,70
3/4" x 22	120	10	LSRCP224	2,95

## ACESSÓRIOS DE REPARAÇÃO

- Tapadores e derivação em latão.
- Abraçadeiras de união para tubos de cobre.
- Tubos conforme DIN 1786.
- Elastómetro em EPDM.



TAPAPOROS

Ø			COD.	€
10	160	10	VS700010	5,60
12	140	10	VS700012	6,30
15	100	10	VS700015	8,90
18	90	10	VS700018	10,60
22	60	10	VS700022	11,60
28	40	5	VS700028	15,65
35	30	5	VS700035	19,25
42	20	5	VS700042	27,40
54	10	5	VS700054	44,30

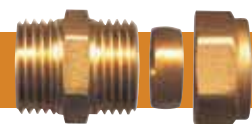


TOMADAS DERIVAÇÃO

Ø			COD.	€
1/2" x 15 mm.	90	10	VS701015	12,50
1/2" x 18 mm.	80	10	VS701018	12,90
1/2" x 22 mm.	60	10	VS701022	14,10
3/4" x 28 mm.	30	5	VS701028	19,95
3/4" x 35 mm.	25	5	VS701035	25,05
1" x 42 mm.	15	5	VS701042	34,70
1 1/4" x 54 mm.	10	5	VS701054	57,25

## ACESSÓRIOS DE LATÃO BICONE PARA TUBO DE COBRE

- Certificação KIWA.
- Certificação GASTEC.
- Pressão máxima de trabalho: PN 16 a 30° C.
- Temperatura máxima de trabalho: 120° C.
- Aplicações: Distribuição de água quente e fria, instalações de aquecimento, gás (instalações domésticas) e fuel líquido.



CASQUILHO MACHO

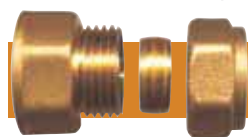
Ø			COD.	€
3/8" x 10	200	5	TAP00012(1)	1,90
3/8" x 12	200	5	TAP00022	1,90
3/8" x 15	150	5	TAP00052	2,45
1/2" x 12	150	5	TAP00023	2,55
1/2" x 15	150	5	TAP10053	2,75
1/2" x 16	100	10	TAP10063	3,85
1/2" x 18	100	5	TAP10073	4,00
1/2" x 22	70	5	TAP00093	5,25
3/4" x 15	80	5	TAP10054	3,80
3/4" x 18	80	5	TAP10074	4,25
3/4" x 22	70	5	TAP10094	4,20
1" x 22	50	5	TAP10095	5,25
1" x 28	40	5	TAP100B5	6,50



UNIÃO DUPLA

Ø			COD.	€
12 x 12	200	5	TAP00122	2,55
15 x 12	150	5	TAP00152	2,90
15 x 15	100	5	TAP10155	3,50
16 x 16	80	10	TAP10166	4,85
18 x 18	80	5	TAP10177	5,60
22 x 15	70	5	TAP00195	4,95
22 x 22	50	5	TAP00199	5,15
28 x 28	40	5	TAP001BB	8,10

(1) Até fim de existências



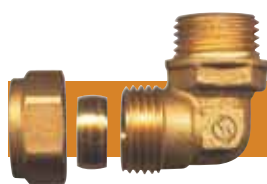
### CASQUILHO FÊMEA

Ø			COD.	€
3/8" x 10	150	5	TAP00212	2,15
3/8" x 12	150	5	TAP00222	2,30
3/8" x 15	150	5	TAP00252	3,60
1/2" x 12	150	5	TAP00223	3,50
1/2" x 15	100	5	TAP10253	2,70
1/2" x 16	100	10	TAP10263	4,70
1/2" x 18	100	5	TAP10273	4,25
1/2" x 22	60	5	TAP00293	5,90
3/4" x 15	80	5	TAP00254	4,70
3/4" x 18	70	5	TAP10274	5,90
3/4" x 22	50	5	TAP00294	4,55
1" x 22	50	5	TAP10295	7,20
1" x 28	40	5	TAP002B5	8,30



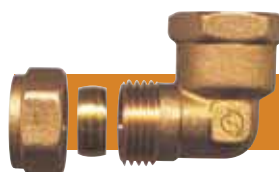
### JOELHO DUPLO 90°

Ø			COD.	€
12 x 12	150	5	TAP00322	3,40
15 x 15	100	5	TAP10355	3,65
16 x 16	60	10	TAP10366	5,25
18 x 18	60	5	TAP10377	5,80
22 x 22	40	5	TAP00399	6,05
28 x 28	30	5	TAP003BB	9,80



### JOELHO MACHO 90°

Ø			COD.	€
3/8" x 12	150	5	TAP00422	2,95
1/2" x 12	150	5	TAP00423	4,05
1/2" x 15	100	10	TAP10453	3,85
1/2" x 18	70	5	TAP10473	4,30
3/4" x 22	50	5	TAP10494	5,90
1" x 28	30	5	TAP104B5	10,65



### JOELHO FÊMEA 90°

Ø			COD.	€
3/8" x 12	150	5	TAP00522	3,15
1/2" x 12	150	5	TAP00523	3,55
1/2" x 15	100	5	TAP00553	3,45
1/2" x 16	70	10	TAP10563	5,50
1/2" x 18	70	5	TAP10573	5,20
3/4" x 15	60	5	TAP00554	5,25
3/4" x 22	50	5	TAP00594	6,00
1" x 28	30	5	TAP005B5	10,75



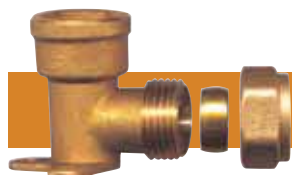
### TÊ 90°

Ø			COD.	€
12 x 12 x 12	100	5	TAP07222	3,80
15 x 15 x 15	60	5	TAP17555	4,65
16 x 16 x 16	40	10	TAP17666	7,05
18 x 18 x 18	40	10	TAP17777	7,20
22 x 15 x 22	30	5	TAP07959	6,65
22 x 22 x 22	30	5	TAP07999	7,60
28 x 28 x 28	20	5	TAP07BBB	12,55



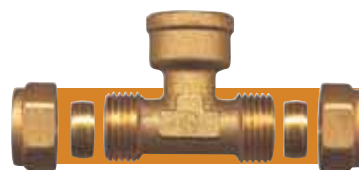
### TÊ MACHO 90°

Ø			COD.	€
3/8" x 12 x 12	80	10	TAP08222(1)	3,45
1/2" x 15 x 15	60	10	TAP18535(1)	3,70
3/4" x 22 x 22	30	5	TAP18949(1)	8,90



### JOELHO FÊMEA C/PATER

Ø			COD.	€
1/2" x 15	40	5	TAP00653	6,10



### TÊ FÊMEA 90°

Ø			COD.	€
1/2" x 15 x 15	50	5	TAP19535	5,50
1/2" x 18 x 18	40	5	TAP19737	5,95
1/2" x 22 x 22	30	5	TAP09939	6,50
3/4" x 22 x 22	30	5	TAP19949	9,05

(1) Até fim de existências

## TUBO PEX E ACESSÓRIOS PARA PEX

- Pressão máxima de trabalho: PN16 a 60° C.
- Pressão máxima de serviço: 95° C.
- Aplicações: Distribuição sobre pressão de fluidos não alimentares com temperatura igual ou inferior a 80° C (ex. instalações de aquecimento), fluidos alimentares e de uso sanitário (ex. instalações higiênico-sanitárias).



UNIÃO DUPLA

Ø		COD.	€
12 x 12 x 2.0	100 10	TR8RD012	5,30
15 x 15 x 2.5	100 10	TR8RD015	5,15
16 x 16 x 2.0	100 10	TR9RD016	5,20
16 x 16 x 2.2	100 10	TR8RD016	4,95
18 x 18 x 2.5	80 10	TR8RD018	6,65
20 x 20 x 2.0	60 10	TR9RD020	8,45
20 x 20 x 2.8	60 10	TR8RD020	8,10
22 x 22 x 3.0	50 10	TR8RD022	9,25
25 x 25 x 2.3	40 10	TR9RD025	12,00
25 x 25 x 3.5	40 10	TR8RD025	12,10
32 x 32 x 3.0	25 5	TR9RD032	18,60



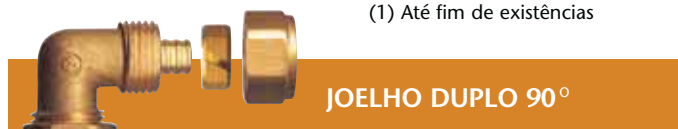
CASQUILHO FÊMEA

Ø		COD.	€
3/8" x 12 x 2.0	150 10	TR8RH122	2,80
1/2" x 12 x 2.0	150 10	TR9RH123	3,15
1/2" x 15 x 2.5	150 10	TR8RH153	2,80
1/2" x 16 x 2.0	150 10	TR9RH163	2,95
1/2" x 16 x 2.2	150 10	TR8RH163	2,95
1/2" x 18 x 2.5	100 10	TR8RH183	4,05
1/2" x 20 x 2.0	80 10	TR9RH203	4,70
1/2" x 20 x 2.8	80 10	TR8RH203	4,75
1/2" x 22 x 3.0	60 10	TR8RH223	5,85
3/4" x 16 x 2.0	100 10	TR9RH164	3,55
3/4" x 16 x 2.2	100 10	TR8RH164	3,55
3/4" x 18 x 2.5	80 10	TR8RH184	4,20
3/4" x 20 x 2.0	80 10	TR9RH204	4,90
3/4" x 20 x 2.8	80 10	TR8RH204	4,70
3/4" x 22 x 3.0	70 10	TR8RH224	6,20
3/4" x 25 x 2.3	50 10	TR9RH254	8,70
3/4" x 25 x 3.5	50 10	TR8RH254	8,30
3/4" x 32 x 3.0	40 5	TR9RH324	10,85
1" x 25 x 2.3	40 5	TR9RH255(1)	9,65
1" x 25 x 3.5	40 5	TR8RH255	10,85
1" x 32 x 3.0	40 5	TR9RH325	12,30



CASQUILHO MACHO

Ø		COD.	€
3/8" x 12 x 2.0	170 10	TR8RM122	2,80
1/2" x 12 x 2.0	170 10	TR8RM123	2,70
1/2" x 15 x 2.5	160 10	TR8RM153	2,70
1/2" x 16 x 2.0	160 10	TR9RM163	2,70
1/2" x 16 x 2.2	160 10	TR8RM163	2,70
1/2" x 18 x 2.5	100 10	TR8RM183	3,75
1/2" x 20 x 2.0	100 10	TR9RM203	4,45
1/2" x 20 x 2.8	100 10	TR8RM203	4,50
1/2" x 22 x 3.0	60 10	TR8RM223	6,05
3/4" x 16 x 2.0	120 10	TR9RM164	3,30
3/4" x 16 x 2.2	120 10	TR8RM164	3,30
3/4" x 18 x 2.5	100 10	TR8RM184	4,00
3/4" x 20 x 2.0	80 10	TR9RM204	4,40
3/4" x 20 x 2.8	80 10	TR8RM204	4,35
3/4" x 22 x 3.0	60 10	TR8RM224	5,45
3/4" x 25 x 2.3	50 10	TR9RM254	8,15
3/4" x 25 x 3.5	50 10	TR8RM254	8,55
3/4" x 32 x 3.0	40 10	TR9RM324	11,25
1" x 25 x 2.3	40 10	TR9RM255	9,85
1" x 25 x 3.5	40 10	TR8RM255	9,80
1" x 32 x 3.0	40 10	TR9RM325	11,70



JOELHO DUPLO 90°

(1) Até fim de existências

Ø		COD.	€
12 x 12 x 2.0	80 10	TR9CD012	5,80
15 x 15 x 2.5	80 10	TR8CD015	5,45
16 x 16 x 2.0	80 10	TR9CD016	5,50
16 x 16 x 2.2	80 10	TR8CD016	5,70
18 x 18 x 2.5	60 10	TR8CD018	8,20
20 x 20 x 2.0	50 10	TR9CD020	9,30
20 x 20 x 2.8	50 5	TR8CD020	9,45
22 x 22 x 3.0	40 5	TR8CD022	11,00
25 x 25 x 2.3	20 5	TR9CD025	15,60
25 x 25 x 3.5	20 5	TR8CD025	16,80
32 x 32 x 3.0	20 5	TR9CD032	23,05



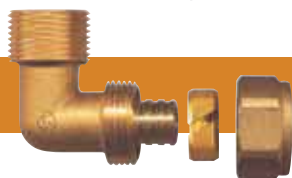
JOELHO PARA CAIXA 100°

Ø		COD.	€
1/2" x 16 x 2.0	70 10	TR9A0163	4,55
1/2" x 16 x 2.2	70 10	TR8A0163	4,55



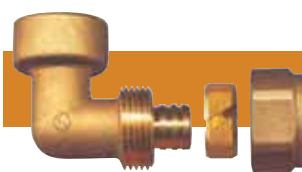
JOELHO PARA CAIXA 105°

Ø		COD.	€
1/2" x 16 x 2.0	70 10	TR9A5163	5,05
1/2" x 16 x 2.2	70 10	TR8A5163	5,05



### JOELHO MACHO 90°

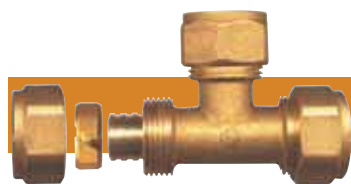
Ø		COD.	€
1/2" x 15 x 2.5	100 10	TR8CM153	4,75
1/2" x 16 x 2.0	100 10	TR9CM163	4,35
1/2" x 16 x 2.2	100 10	TR8CM163	4,35
1/2" x 18 x 2.5	80 10	TR8CM183	5,45
1/2" x 20 x 2.0	60 10	TR9CM203	7,35
1/2" x 20 x 2.8	60 10	TR8CM203	7,35
3/4" x 16 x 2.0	70 10	TR9CM164	5,10
3/4" x 16 x 2.2	70 10	TR8CM164	5,10
3/4" x 18 x 2.5	70 10	TR8CM184	6,20
3/4" x 20 x 2.0	50 10	TR9CM204	7,20
3/4" x 20 x 2.8	50 10	TR8CM204	7,20
3/4" x 22 x 3.0	50 10	TR8CM224	8,90
3/4" x 25 x 2.3	30 10	TR9CM254	12,35
3/4" x 25 x 3.5	30 10	TR8CM254	11,75
3/4" x 32 x 3.0	20 5	TR9CM324	14,60
1" x 25 x 2.3	30 5	TR9CM255	14,15
1" x 25 x 3.5	30 5	TR8CM255	14,15
1" x 32 x 3.0	20 5	TR9CM325	16,75



### JOELHO FÊMEA 90°

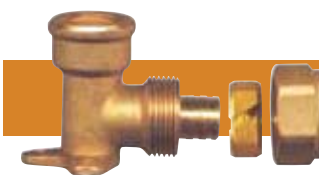
Ø		COD.	€
3/8" x 15 x 2.5	80 10	TR8CH152(1)	4,30
1/2" x 12 x 2.0	80 10	TR8CH123	4,75
1/2" x 15 x 2.5	80 10	TR8CH153	4,75
1/2" x 16 x 2.0	80 10	TR9CH163	4,75
1/2" x 16 x 2.2	80 10	TR8CH163	4,75
1/2" x 18 x 2.5	70 10	TR8CH183	6,45
1/2" x 20 x 2.0	60 10	TR9CH203	6,80
1/2" x 20 x 2.8	60 10	TR8CH203	6,50
1/2" x 22 x 3.0	40 10	TR8CH223	7,75
3/4" x 16 x 2.0	40 10	TR9CH164	5,15
3/4" x 16 x 2.2	40 10	TR8CH164	5,15
3/4" x 18 x 2.5	40 10	TR8CH184	6,20
3/4" x 20 x 2.0	40 10	TR9CH204	7,35
3/4" x 20 x 2.8	40 10	TR8CH204	7,35
3/4" x 22 x 3.0	40 10	TR8CH224	8,95
3/4" x 25 x 2.3	30 5	TR9CH254	12,70
3/4" x 25 x 3.5	30 5	TR8CH254	11,80
3/4" x 32 x 3.0	20 5	TR9CH324(1)	19,30
1" x 25 x 2.3	30 5	TR9CH255	14,05
1" x 25 x 3.5	30 5	TR8CH255	14,05
1" x 32 x 3.0	20 5	TR9CH325	17,65

(1) Até fim de existências



### TÊ 90°

Ø		COD.	€
12 x 12 x 12 x 2.0	60 10	TR9TD012	8,20
15 x 15 x 15 x 2.5	60 10	TR8TD015	8,00
16 x 16 x 16 x 2.0	60 10	TR9TD016	7,80
16 x 16 x 16 x 2.2	60 10	TR8TD016	7,80
18 x 18 x 18 x 2.5	40 10	TR8TD018	11,80
20 x 20 x 20 x 2.0	30 10	TR9TD020	12,30
20 x 20 x 20 x 2.8	30 10	TR8TD020	12,30
22 x 22 x 22 x 3.0	20 5	TR8TD022	16,00
25 x 25 x 25 x 2.3	20 5	TR9TD025	21,35
32 x 32 x 32 x 3.0	10 5	TR9TD032	33,20



### JOELHO FÊMEA C/ PATER

Ø		COD.	€
1/2" x 15 x 2.5	50 10	TR8CP153	5,35
1/2" x 16 x 2.0	50 10	TR9CP163	5,35
1/2" x 16 x 2.2	50 10	TR8CP163	5,35
1/2" x 18 x 2.5	50 10	TR8CP183	6,85
1/2" x 20 x 2.0	40 10	TR9CP203	7,65
1/2" x 20 x 2.8	40 10	TR8CP203	7,65



### TÊ MACHO

Ø		COD.	€
1/2" x 16 x 2.0	60 10	TR9TM163	6,40
1/2" x 16 x 2.2	60 10	TR8TM163	6,40
1/2" x 20 x 2.0	30 10	TR9TM203	10,35
1/2" x 20 x 2.8	30 10	TR8TM203	10,35
1/2" x 22 x 3.0	30 10	TR8TM223	12,35
3/4" x 16 x 2.0	40 10	TR9TM164	8,50
3/4" x 16 x 2.2	40 10	TR8TM164	8,50
3/4" x 20 x 2.0	30 10	TR9TM204	11,80
3/4" x 20 x 2.8	30 10	TR8TM204	11,80
3/4" x 25 x 2.3	20 10	TR9TM254	18,35
3/4" x 25 x 3.5	20 10	TR8TM254	17,50
3/4" x 32 x 3.0	20 5	TR9TM324	38,45
1" x 32 x 3.0	10 5	TR9TM325	26,18



### TÊ FÊMEA 90°

Ø		COD.	€
1/2" x 15 x 2.5	50 10	TR8TH153	6,85
1/2" x 16 x 2.0	50 10	TR9TH163	6,85
1/2" x 16 x 2.2	50 10	TR8TH163	6,85
1/2" x 18 x 2.5	40 10	TR8TH183	9,60
1/2" x 20 x 2.0	30 10	TR9TH203	10,55
1/2" x 20 x 2.8	30 10	TR8TH203	10,55
1/2" x 22 x 3.0	30 10	TR8TH223	12,90
3/4" x 16 x 2.0	30 10	TR9TH164	8,20
3/4" x 16 x 2.2	30 10	TR8TH164	8,20
3/4" x 20 x 2.0	30 10	TR9TH204	11,00
3/4" x 20 x 2.8	30 10	TR8TH204	11,00
3/4" x 22 x 3.0	30 10	TR8TH224	12,60
3/4" x 25 x 2.3	20 5	TR9TH254	18,75
3/4" x 25 x 3.5	20 5	TR8TH254	18,75
3/4" x 32 x 3.0	15 5	TR9TH324	38,45
1" x 25 x 2.3	20 5	TR9TH255	19,05
1" x 25 x 3.5	20 5	TR8TH255	19,05
1" x 32 x 3.0	15 5	TR9TH325	26,60





**CAIXA PLÁSTICA  
PARA JOELHO 100°**

Ø	📦		COD.	€
Única	400	1	TR9PL100(1)	2,35

(1) Até fim de existências



**CAIXA PLÁSTICA PARA  
JOELHO 105°**

Ø	📦		COD.	€
Única	400	1	TR9PL105(1)	2,50

(1) Até fim de existências

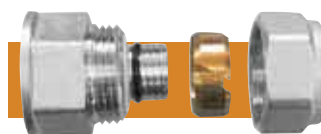
## TUBO MULTICAMADA PEX-AL-PEX E ACESSÓRIOS PARA MULTICAMADA DE COMPRESSÃO

- Pressão máxima de trabalho: PN16 a 60° C.
- Temperatura máxima de trabalho: 95° C.
- Acessórios para tubo PEX-AL-PEX.
- Aplicações: distribuição de fluídos não alimentares com temperatura inferior a 95° C (ex. instalações de aquecimento) e de fluídos alimentares e de uso sanitário (ex. instalações higiénico-sanitárias).



**UNIÃO DUPLA**

Ø	📦		COD.	€
14 x 14	100	10	TM011414	7,60
16 x 16	100	10	TM011616	6,75
18 x 18	80	10	TM011818	10,10
20 x 20	60	10	TM012020	9,75
26 x 26	40	5	TM012626	16,10
32 x 32	25	5	TM013232	31,00



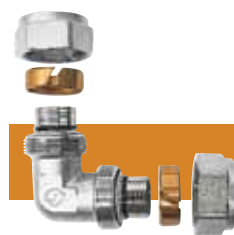
**CASQUILHO FÊMEA**

Ø	📦		COD.	€
1/2" x 14	150	10	TM021403	4,75
1/2" x 16	150	10	TM021603	4,50
1/2" x 18	100	10	TM021803	5,45
1/2" x 20	80	10	TM022003	5,40
3/4" x 16	100	10	TM021604	5,85
3/4" x 18	80	10	TM021804	5,95
3/4" x 20	80	10	TM022004	6,20
3/4" x 26	50	5	TM022604	11,40
1" x 26	40	5	TM022605	11,85
1" x 32	40	5	TM023205	19,10



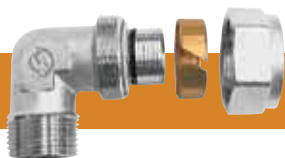
**CASQUILHO MACHO**

Ø	📦		COD.	€
1/2" x 14	160	10	TM001403	4,50
1/2" x 16	160	10	TM001603	3,95
1/2" x 18	100	10	TM001803	5,25
1/2" x 20	100	10	TM002003	5,25
3/4" x 16	120	10	TM001604	5,55
3/4" x 18	100	10	TM001804	5,55
3/4" x 20	80	10	TM002004	5,55
3/4" x 26	50	5	TM002604	9,95
1" x 26	40	5	TM002605	9,90
1" x 32	40	5	TM003205	18,65



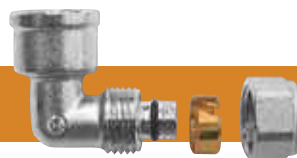
**JOELHO DUPLO 90°**

Ø	📦		COD.	€
14 x 14	80	10	TM031414	8,30
16 x 16	80	10	TM031616	8,30
18 x 18	50	10	TM031818	10,55
20 x 20	50	10	TM032020	10,55
26 x 26	20	5	TM032626	17,75
32 x 32	20	5	TM033232	31,80



### JOELHO MACHO 90°

Ø		COD.	€
1/2" x 14	100 10	TM041403	5,90
1/2" x 16	100 10	TM041603	5,65
1/2" x 18	80 10	TM041803	7,60
1/2" x 20	60 10	TM042003	8,00
3/4" x 16	70 10	TM041604	7,15
3/4" x 18	70 10	TM041804	7,60
3/4" x 20	50 10	TM042004	8,00
3/4" x 26	30 5	TM042604	14,30
1" x 26	30 5	TM042605	14,00
1" x 32	30 5	TM043205	22,50



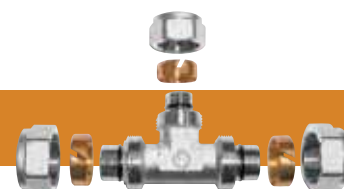
### JOELHO FÊMEA 90°

Ø		COD.	€
1/2" x 14	80 10	TM051403	6,45
1/2" x 16	80 10	TM051603	6,05
1/2" x 18	70 10	TM051803	7,45
1/2" x 20	60 10	TM052003	7,65
3/4" x 16	40 10	TM051604	8,00
3/4" x 18	40 10	TM051804	7,65
3/4" x 20	40 10	TM052004	8,05
3/4" x 26	30 5	TM052604	15,00
1" x 26	30 5	TM052605	16,50
1" x 32	20 5	TM053205	24,00



### JOELHO FÊMEA C/PATER

Ø		COD.	€
1/2" x 14	50 10	TM061403	7,95
1/2" x 16	50 10	TM061603	9,00
1/2" x 18	50 10	TM061803	9,30



### TÊ 90°

Ø		COD.	€
14 x 14 x 14	60 10	TM070444	11,35
16 x 16 x 16	60 10	TM070666	11,65
18 x 18 x 18	30 10	TM070777	15,50
20 x 20 x 20	30 10	TM070888	15,65
26 x 26 x 26	20 1	TM072666	25,60
32 x 32 x 32	10 1	TM070CCC	44,00



### TÊ 90°

Ø		COD.	€
1/2" x 14	60 10	TM080434	9,80
1/2" x 16	60 10	TM080636	8,85
1/2" x 18	40 10	TM080737	11,15
1/2" x 20	30 10	TM080838	11,15
3/4" x 16	40 10	TM080646	12,05
3/4" x 18	40 10	TM080747	12,35
3/4" x 20	30 5	TM080848	12,35
3/4" x 26	20 5	TM082646	21,80
1" x 26	15 5	TM082656	22,50
1" x 32	10 1	TM080C5C	37,00



### TÊ FÊMEA 90°

Ø		COD.	€
1/2" x 14	50 10	TM090434	9,80
1/2" x 16	50 10	TM090636	9,20
1/2" x 18	40 10	TM090737	11,70
1/2" x 20	30 10	TM090838	11,65
3/4" x 16	30 10	TM090646	12,00
3/4" x 18	30 10	TM090747	12,50
3/4" x 20	30 5	TM090848	13,65
3/4" x 26	20 5	TM092646	23,05
1" x 26	20 5	TM092656	21,85
1" x 32	10 1	TM090C5C	37,00