



ACESSÓRIOS DE  
**LATÃO**

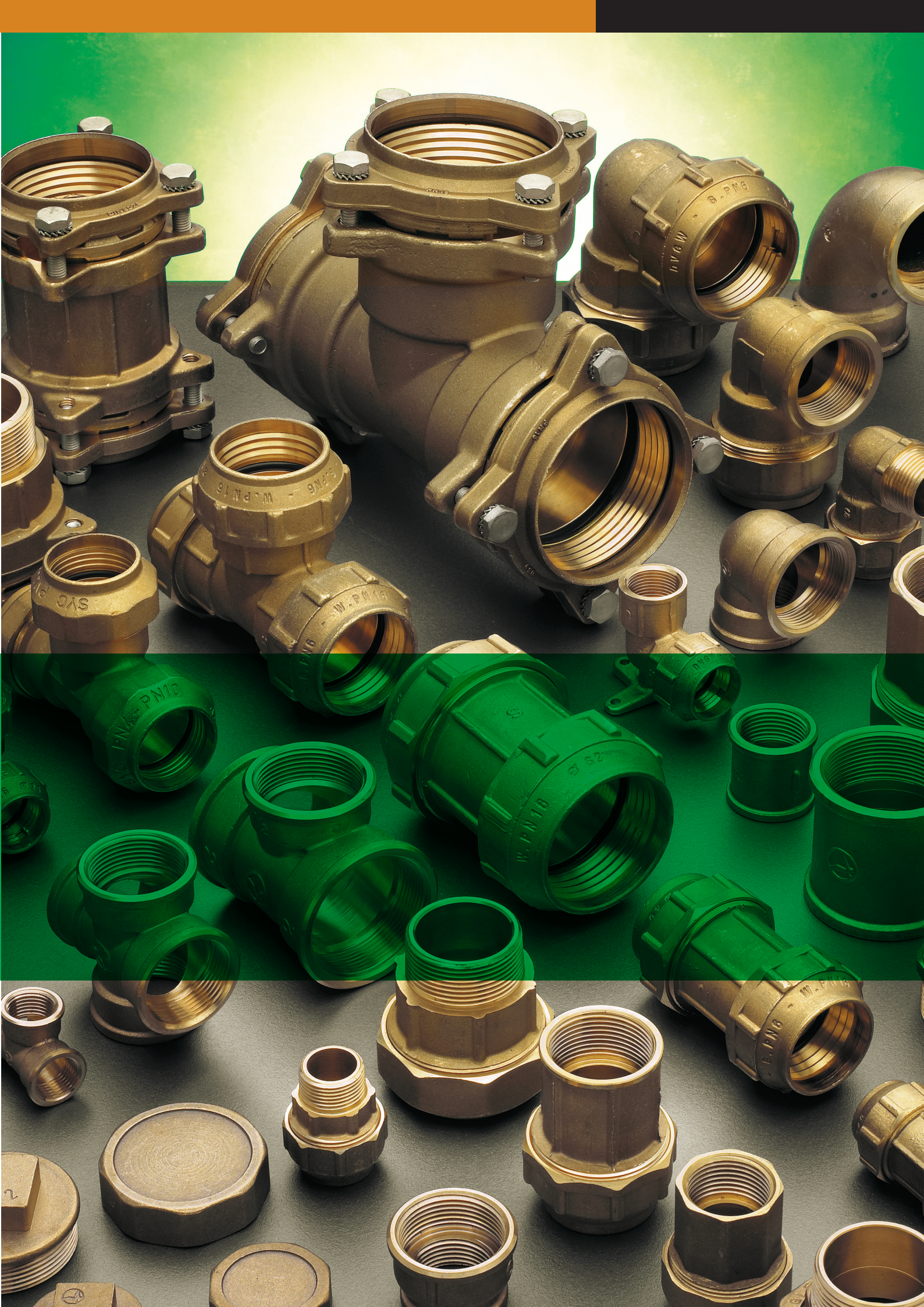
**TABELA 2022**

## ACESSÓRIOS DE LATÃO

A excelente resistência do latão perante a corrosão e às altas temperaturas fazem desta liga um material ideal para a distribuição e fornecimento de água.

A ATUSA, seguindo a sua política de comercializar produtos cumprindo os mais exigentes padrões de qualidade, apresenta uma ampla gama de acessórios de latão e soluções para a ligação de diferentes tipos de tubagem.





## ACESSÓRIOS PARA TUBO POLIETILENO SÉRIE "GORBEA" DVGW

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	Box		COD.	€
20	50	10	LPGRD020	6,70
25	30	10	LPGRD025	10,20
32	20	5	LPGRD032	14,10
40	12	4	LPGRD040	23,85
50	8	4	LPGRD050	34,60
63	3		LPGRD063	58,20



### UNIÃO MACHO

Ø	Box		COD.	€
1/2" x 20	90	10	LPGRM320	3,85
3/4" x 25	60	10	LPGRM425	5,70
1" x 32	35	5	LPGRM532	8,80
1 1/4" x 40	20	5	LPGRM640	14,65
1 1/2" x 50	12	4	LPGRM750	21,60
2" x 63	6	3	LPGRM863	34,45



### UNIÃO FÊMEA

Ø	Box		COD.	€
1/2" x 20	80	10	LPGRH320	4,25
3/4" x 25	60	10	LPGRH425	6,60
1" x 32	30	5	LPGRH532	9,20
1 1/4" x 40	20	5	LPGRH640	15,70
1 1/2" x 50	8	4	LPGRH750	23,70
2" x 63	6	3	LPGRH863	41,00



### JOELHO DUPLO

Ø	Box		COD.	€
20	40	10	LPGCD020	7,60
25	20	10	LPGCD025	11,95
32	15	5	LPGCD032	17,20
40	10	5	LPGCD040	29,55
50	5		LPGCD050	45,00
63	3		LPGCD063	73,00



### JOELHO MACHO

Ø	Box		COD.	€
1/2" x 20	70	10	LPGCM320	5,35
3/4" x 25	40	10	LPGCM425	8,10
1" x 32	25	5	LPGCM532	11,95
1 1/4" x 40	10	5	LPGCM640	20,25
1 1/2" x 50	10	5	LPGCM750	30,20
2" x 63	4		LPGCM863	52,05



### JOELHO FÊMEA

Ø	Box		COD.	€
1/2" x 20	70	10	LPGCH320	5,60
3/4" x 25	40	10	LPGCH425	8,60
1" x 32	25	5	LPGCH532	13,00
1 1/4" x 40	10	5	LPGCH640	21,85
1 1/2" x 50	8	4	LPGCH750	32,20
2" x 63	4		LPGCH863	54,80



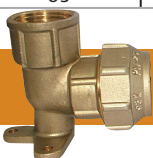
### TÊ

Ø	Box		COD.	€
20	30	10	LPGTD020	10,85
25	20	5	LPGTD025	16,50
32	10	5	LPGTD032	24,50
40	6		LPGTD040	41,75
50	4		LPGTD050	64,00
63	3		LPGTD063	105,00



### TÊ FÊMEA

Ø	Box		COD.	€
1/2" x 20	30	10	LPGTH320	8,55
3/4" x 25	20	5	LPGTH425	13,25
1" x 32	15	5	LPGTH532	19,60
1 1/4" x 40	6		LPGTH640	33,30
1 1/2" x 50	4		LPGTH750	55,00
2" x 63	3		LPGTH863	85,05



### JOELHO FÊMEA C/PATER

Ø	Box		COD.	€
1/2" x 20	40	10	LPGCP320	7,50
3/4" x 25	20	5	LPGCP425	11,50
1" x 32	15	5	LPGCP532	16,90

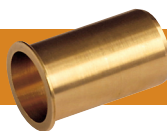


### JOELHO MACHO 45°

Ø	Box		COD.	€
1" x 32	25	5	LPGC4532	15,20
1 1/4" x 40	10	5	LPGC4540	26,90
1 1/2" x 50	10	5	LPGC4550	42,65

**UNIÃO LONGA**

Ø	📦		COD.	€
32	18	1	LPGRR032	25,70
40	10	1	LPGRR040	36,15
50	5	1	LPGRR050	54,35
63	3	1	LPGRR063	87,10

**BAINHA DE REFORÇO**

Ø	📦		COD.	€
20	250	10	LPGVR020	1,65
25	150	10	LPGVR025	2,35
32	100	10	LPGVR032	4,60
40	50	10	LPGVR040	5,00
50	40	10	LPGVR050	7,55
63	20	1	LPGVR063	22,35

## ACESSÓRIOS PARA TUBO POLIETILENO SÉRIE "URBASA" **DVGW**

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	8,85
25	20	10	LPERD025	11,25
32	15	5	LPERD032	16,10
40	12		LPERD040	25,65
50	8		LPERD050	40,00
63	3		LPERD063	60,45

**UNIÃO MACHO**

Ø	📦		COD.	€
1/2" x 20	60	10	LPERM320	5,30
3/4" x 25	40	10	LPERM425	6,55
1" x 32	30	5	LPERM532	10,55
1 1/4" x 40	20		LPERM640	15,95
1 1/2" x 50	10		LPERM750	23,90
2" x 63	6		LPERM863	35,25

**UNIÃO FÊMEA**

Ø	📦		COD.	€
1/2" x 20	60	10	LPERH320	5,30
3/4" x 25	40	10	LPERH425	7,00
1" x 32	20	5	LPERH532	10,60
1 1/4" x 40	20		LPERH640	17,05
1 1/2" x 50	10		LPERH750	24,80
2" x 63	6		LPERH863	39,30

**JOELHO DUPLO**

Ø	📦		COD.	€
20	40	10	LPECD020	10,40
25	20	10	LPECD025	12,35
32	15		LPECD032	19,80
40	10		LPECD040	32,80
50	5		LPECD050	52,40
63	3		LPECD063	79,00

**JOELHO MACHO**

Ø	📦		COD.	€
1/2" x 20	60	10	LPECM320	7,15
3/4" x 25	30	10	LPECM425	9,45
1" x 32	25		LPECM532	14,75
1 1/4" x 40	10		LPECM640	24,15
1 1/2" x 50	6		LPECM750	38,85
2" x 63	3		LPECM863	58,50

**JOELHO FÊMEA**

Ø	📦		COD.	€
1/2" x 20	60	10	LPECH320	8,65
3/4" x 25	30	10	LPECH425	9,05
1" x 32	25		LPECH532	15,30
1 1/4" x 40	10		LPECH640	24,15
1 1/2" x 50	6		LPECH750	40,45
2" x 63	3		LPECH863	60,35



### TÊ

Ø			COD.	€
20	30	10	LPETD020	13,55
25	15	5	LPETD025	16,80
32	10		LPETD032	25,75
40	6		LPETD040	44,60
50	4		LPETD050	72,90
63	2		LPETD063	113,15



### TÊ FÊMEA

Ø			COD.	€
1/2" x 20	30	10	LPETH320	10,65
3/4" x 25	20	5	LPETH425	13,65
1" x 32	15		LPETH532	21,55
1 1/4" x 40	6		LPETH640	37,20
1 1/2" x 50	4		LPETH750	58,25
2" x 63	3		LPETH863	91,25



### JOELHO FÊMEA C/PATER

Ø			COD.	€
1/2" x 20	30	10	LPECP320	8,75
3/4" x 25	20	5	LPECP425	11,05
1" x 32	15		LPECP532	18,35

## ACESSÓRIOS TUBO POLIETILENO SÉRIE "RONCAL"



Acessórios de latão de compressão fabricados em CW617N cumprindo a norma EN 12165.

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	8,05
25	30	10	LPORD025	10,40
32	20	5	LPORD032	15,20
40	15	5	LPORD040	23,75
50	9	3	LPORD050	35,05
63	4	2	LPORD063	62,00



### UNIÃO MACHO

Ø			COD.	€
1/2" x 20	70	10	LPORM320	4,80
3/4" x 25	50	10	LPORM425	6,05
1" x 32	30	5	LPORM532	9,20
1 1/4" x 40	20	5	LPORM640	14,20
1 1/2" x 50	10	5	LPORM750	21,25
2" x 63	6	3	LPORM863	37,45



**UNIÃO FÊMEA**

Ø			COD.	€
1/2" x 20	70	10	LPORH320	5,00
3/4" x 25	50	10	LPORH425	6,50
1" x 32	30	5	LPORH532	9,30
1 1/4" x 40	20	5	LPORH640	14,90
1 1/2" x 50	10	5	LPORH750	21,25
2" x 63	6	3	LPORH863	38,00



**JOELHO DUPLO**

Ø			COD.	€
20	40	10	LPOCD020	9,25
25	20	10	LPOCD025	11,85
32	15	5	LPOCD032	17,90
40	8	4	LPOCD040	27,75
50	4		LPOCD050	43,00
63	3		LPOCD063	71,70



**JOELHO MACHO**

Ø			COD.	€
1/2" x 20	50	10	LPOCM320	6,25
3/4" x 25	40	10	LPOCM425	8,40
1" x 32	20	5	LPOCM532	12,70
1 1/4" x 40	12	4	LPOCM640	20,65
1 1/2" x 50	9	3	LPOCM750	29,90
2" x 63	4	2	LPOCM863	47,90



**JOELHO FÊMEA**

Ø			COD.	€
1/2" x 20	50	10	LPOCH320	5,65
3/4" x 25	40	10	LPOCH425	8,05
1" x 32	20	5	LPOCH532	12,10
1 1/4" x 40	15	5	LPOCH640	19,00
1 1/2" x 50	10	5	LPOCH750	29,25
2" x 63	4		LPOCH863	48,25



**TÊ**

Ø			COD.	€
20	20	10	LPOTD020	13,35
25	15	5	LPOTD025	16,90
32	15	5	LPOTD032	25,65
40	8	4	LPOTD040	40,10
50	4		LPOTD050	59,95
63	2		LPOTD063	101,00



**TÊ FÊMEA**

Ø			COD.	€
1/2" x 20	30	10	LPOTH320	10,55
3/4" x 25	20	5	LPOTH425	13,65
1" x 32	15	5	LPOTH532	19,85
1 1/4" x 40	8	4	LPOTH640	32,20
1 1/2" x 50	4		LPOTH750	49,05
2" x 63	3		LPOTH863	73,65



**UNIÃO LONGA**

Ø			COD.	€
25	24	1	LPORR025	16,35
32	20	1	LPORR032	24,20
40	12	1	LPORR040	34,10
50	7	1	LPORR050	51,35



**JOELHO FÊMEA COM PATER**

Ø			COD.	€
1/2" x 20	40	10	LPOCP320	8,00
3/4" x 25	20	5	LPOCP425	10,25
1" x 32	15	5	LPOCP532	15,95

## ACESSÓRIOS PARA TUBO DE POLIETILENO "GRANDES DIÂMETROS"



**UNIÃO DUPLA**

Ø		COD.	€
75	4 1	LPGRD075	119,00
90	4 1	LPGRD090	176,00
110	2 1	LPGRD110	261,00



**UNIÃO MACHO**

Ø		COD.	€
2 1/2" x 75	6 1	LPGRMA75	70,00
3" x 90	5 1	LPGRMB90	102,50
4" x 110	3 1	LPGRM110	164,05



**UNIÃO FÊMEA**

Ø		COD.	€
2 1/2" x 75	6 1	LPGRHA75	70,50
3" x 90	5 1	LPGRHB90	106,25
4" x 110	3 1	LPGRH110	157,60



**JOELHO DUPLO**

Ø		COD.	€
75	3 1	LPGCD075	149,00
90	1	LPGCD090	243,00
110	1	LPGCD110	372,00



**JOELHO MACHO**

Ø		COD.	€
2 1/2" x 75	4 1	LPGCMA75	97,00
3" x 90	2 1	LPGCMB90	161,10
4" x 110	1	LPGCM110	239,10



**JOELHO FÊMEA**

Ø		COD.	€
2 1/2" x 75	4 1	LPGCHA75	95,50
3" x 90	2 1	LPGCHB90	151,00
4" x 110	1	LPGCH110	232,00



**TÊ**

Ø		COD.	€
75	2 1	LPGTD075	227,15
90	1	LPGTD090	350,00
110	1	LPGTD110	536,00



**TÊ FÊMEA**

Ø		COD.	€
2 1/2" x 75	2 1	LPGTHA75	163,35
3" x 90	1	LPGTHB90	253,70
4" x 110	1	LPGTH110	439,65



## ACESSÓRIOS DE LATÃO ROSCADOS



2

CURVA 90° F/F

Ø			COD.	€
1/2"	120	10	LS002003	4,00
3/4"	80	10	LS002004	7,00
1"	40	10	LS002005	12,50
1 1/4"	40	5	LS002006	18,50
1 1/2"	25	5	LS002007	26,45
2"	18	1	LS002008	43,00



90

JOELHO 90° F/F

Ø			COD.	€
3/8"	350	10	LS090002	2,05
1/2"	200	10	LS090003	2,40
3/4"	100	10	LS090004	3,70
1"	60	10	LS090005	5,85
1 1/4"	80	5	LS090006	9,20
1 1/2"	55	5	LS090007	12,10
2"	30	5	LS090008	20,10
2 1/2"	16	1	LS09000A	43,85
3"	8	1	LS09000B	66,95
4"	4	1	LS09000D	119,50



90R JOELHO DE REDUÇÃO 90° F/F

Ø			COD.	€
1/2" x 3/8"	250	10	LS090032	1,85
3/4" x 1/2"	150	10	LS090043	3,20
1" x 1/2"	100	10	LS090053	4,20
1" x 3/4"	80	10	LS090054	5,05
1 1/4" x 1"	80	5	LS090065	9,20
1 1/2" x 1"	80	5	LS090075	10,85
1 1/2" x 1 1/4"	60	5	LS090076	13,95



92

JOELHO 90° M/F

Ø			COD.	€
3/8"	350	10	LS092002	1,85
1/2"	200	10	LS092003	2,60
3/4"	100	10	LS092004	3,95
1"	60	10	LS092005	6,45
1 1/4"	35	5	LS092006	9,15
1 1/2"	25	5	LS092007	12,30
2"	25	5	LS092008	22,45
2 1/2"	14	1	LS09200A	45,70
3"	10	1	LS09200B	62,05



130 TÊ 90°

Ø			COD.	€
3/8"	250	10	LS130002	2,20
1/2"	150	10	LS130003	2,70
3/4"	60	10	LS130004	5,50
1"	40	10	LS130005	7,65
1 1/4"	50	5	LS130006	11,40
1 1/2"	40	5	LS130007	14,80
2"	20	5	LS130008	26,05
2 1/2"	11	1	LS13000A	56,25
3"	8	1	LS13000B	89,00
4"	4	1	LS13000D	150,90



130R TÊ 90° REDUÇÃO

Ø			COD.	€
3/4" x 1/2" x 3/4"	80	10	LS130434	4,15
1" x 1/2" x 1"	60	10	LS130535	5,35
1" x 3/4" x 1"	50	10	LS130545	7,15
1 1/4" x 1/2" x 1 1/4"	40	5	LS130636	9,30
1 1/4" x 3/4" x 1 1/4"	35	5	LS130646	10,00
1 1/4" x 1" x 1 1/4"	60	5	LS130656	10,40
1 1/2" x 1/2" x 1 1/2"	60	5	LS130737	10,10
1 1/2" x 3/4" x 1 1/2"	30	5	LS130747	11,05
1 1/2" x 1" x 1 1/2"	25	5	LS130757	12,10
1 1/2" x 1 1/4" x 1 1/2"	40	5	LS130767	13,80
2" x 1/2" x 2"	15	5	LS130838	16,15
2" x 3/4" x 2"	15	5	LS130848	16,15
2" x 1" x 2"	25	5	LS130858	18,30
2" x 1 1/4" x 2"	15	5	LS130868	20,20
2" x 1 1/2" x 2"	10	5	LS130878	22,95



180 CRUZETA

Ø			COD.	€
3/8"	200	10	LS180002	2,65
1/2"	110	10	LS180003	4,20
3/4"	60	10	LS180004	6,15
1"	30	10	LS180005	9,70
1 1/4"	40	5	LS180006	14,75
1 1/2"	30	5	LS180007	19,70
2"	16	1	LS180008	34,55



## 240 UNIÃO DE REDUÇÃO F/F

Ø			COD.	€
1/2" x 3/8"	350	10	LS240032	1,30
3/4" x 1/2"	200	10	LS240043	2,20
1" x 1/2"	160	10	LS240053	2,85
1" x 3/4"	140	10	LS240054	2,90
1 1/4" x 1"	80	10	LS240065	4,55
1 1/2" x 1"	120	10	LS240075	5,50
1 1/2" x 1 1/4"	100	10	LS240076	6,00
2" x 1"	40	5	LS240085	8,80
2" x 1 1/4"	40	5	LS240086	9,20
2" x 1 1/2"	30	5	LS240087	10,10



## 245 CASQUILHO DUPLO DE REDUÇÃO M/M

Ø			COD.	€
1/4" x 1/8"	1100	10	LS245010	0,57
3/8" x 1/8"	900	10	LS245020	0,77
3/8" x 1/4"	900	10	LS245021	0,89
1/2" x 1/4"	750	10	LS245031	1,10
1/2" x 3/8"	700	10	LS245032	1,10
3/4" x 1/2"	400	10	LS245043	1,70
1" x 1/2"	280	10	LS245053	2,50
1" x 3/4"	250	10	LS245054	2,55
1 1/4" x 3/4"	110	10	LS245064	3,95
1 1/4" x 1"	100	10	LS245065	4,05
1 1/2" x 3/4"	80	10	LS245074	6,35
1 1/2" x 1"	120	10	LS245075	5,60
1 1/2" x 1 1/4"	100	10	LS245076	5,65
2" x 1"	100	5	LS245085	8,00
2" x 1 1/4"	100	5	LS245086	8,10
2" x 1 1/2"	100	5	LS245087	8,45
2 1/2" x 2"	30	1	LS2450A8	17,15
3" x 2"	20	1	LS2450B8	24,75
3" x 2 1/2"	20	1	LS2450BA	22,95



## 246 CASQUILHO MARSELHA DE REDUÇÃO M/F

Ø			COD.	€
3/8" M x 1/2" H	400	10	LS246023	1,50
1/2" M x 3/8" H	400	10	LS246032	1,25
1/2" M x 3/4" H	300	10	LS246034	2,15
1/2" M x 1" H	180	10	LS246035	3,35
1/2" M x 1 1/4" H	110	10	LS246036	5,00
3/4" M x 1/2" H	300	10	LS246043	1,90
3/4" M x 1" H	150	10	LS246045	3,35
1" M x 3/4" H	170	10	LS246054	3,35
1" M x 1 1/4" H	110	10	LS246056	4,95
1" M x 1 1/2" H	90	10	LS246057	5,90
1" M x 2" H	50	10	LS246058	9,75
1 1/4" M x 1 1/2" H	80	10	LS246067	7,65
1 1/4" M x 2" H	40	5	LS246068	10,30
1 1/2" M x 2" H	40	5	LS246078	9,65
2" M x 2 1/2" H	40	1	LS24608A	18,25



## 241 PORCA REDUÇÃO HEXAGONAL

Ø			COD.	€
1/4" M x 1/8" H	1400	10	LS241010	0,31
3/8" M x 1/8" H	1200	10	LS241020	0,58
3/8" M x 1/4" H	1200	10	LS241021	0,52
1/2" M x 1/4" H	500	10	LS241031	1,10
1/2" M x 3/8" H	500	10	LS241032	0,76
3/4" M x 3/8" H	300	10	LS241042	1,55
3/4" M x 1/2" H	300	10	LS241043	1,30
1" M x 1/2" H	250	10	LS241053	2,55
1" M x 3/4" H	250	10	LS241054	2,15
1 1/4" M x 1/2" H	150	10	LS241063	5,60
1 1/4" M x 3/4" H	150	10	LS241064	4,05
1 1/4" M x 1" H	150	10	LS241065	3,05
1 1/2" M x 1/2" H	140	10	LS241073	5,60
1 1/2" M x 3/4" H	140	10	LS241074	6,75
1 1/2" M x 1" H	140	10	LS241075	5,10
1 1/2" M x 1 1/4" H	140	10	LS241076	3,40
2" M x 1/2" H	60	5	LS241083	9,50
2" M x 3/4" H	60	5	LS241084	9,50
2" M x 1" H	60	5	LS241085	10,25
2" M x 1 1/4" H	60	5	LS241086	9,25
2" M x 1 1/2" H	60	5	LS241087	8,00
2 1/2" M x 1 1/4" H	40	1	LS2410A6	15,80
2 1/2" M x 1 1/2" H	40	1	LS2410A7	17,20
2 1/2" M x 2" H	40	1	LS2410A8	14,10
3" M x 2" H	20	1	LS2410B8	28,75
3" M x 2 1/2" H	20	1	LS2410BA	19,10
4" M x 2" H	20	1	LS2410D8	47,95
4" M x 2 1/2" H	20	1	LS2410DA	49,85
4" M x 3" H	20	1	LS2410DB	46,05



## 270 UNIÃO F/F

Ø			COD.	€
3/8"	350	10	LS270002	1,30
1/2"	250	10	LS270003	1,75
3/4"	150	10	LS270004	2,70
1"	100	10	LS270005	4,20
1 1/4"	50	10	LS270006	5,80
1 1/2"	70	10	LS270007	8,35
2"	40	5	LS270008	15,45
2 1/2"	30	1	LS27000A	24,00
3"	22	1	LS27000B	31,15
4"	10	1	LS27000D	62,85



## 280 CASQUILHO DUPLO M/M

Ø			COD.	€
1/8"	1200	10	LS280000	0,34
1/4"	1000	10	LS280001	0,57
3/8"	800	10	LS280002	0,96
1/2"	350	10	LS280003	1,35
3/4"	200	10	LS280004	1,85
1"	150	10	LS280005	2,95
1 1/4"	80	10	LS280006	4,50
1 1/2"	60	10	LS280007	6,05
2"	30	5	LS280008	9,35
2 1/2"	20	1	LS28000A	21,05
3"	25	1	LS28000B	32,45
4"	12	1	LS28000D	70,50



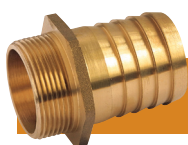
## 290 TAMPÃO MACHO COM REBORDO

Ø	📦		COD.	€
1/8"	1500	10	LS290000	0,48
1/4"	1300	10	LS290001	0,58
3/8"	1000	10	LS290002	0,69
1/2"	600	10	LS290003	0,93
3/4"	350	10	LS290004	1,45
1"	200	10	LS290005	2,25
1 1/4"	130	10	LS290006	3,50
1 1/2"	100	10	LS290007	5,05
2"	60	5	LS290008	8,45
2 1/2"	40	1	LS29000A	18,10
3"	24	1	LS29000B	24,40
4"	12	1	LS29000D	40,20



## 300 TAMPÃO FÊMEA

Ø	📦		COD.	€
1/4"	1200	10	LS300001	0,48
3/8"	1000	10	LS300002	0,74
1/2"	450	10	LS300003	1,00
3/4"	300	10	LS300004	1,55
1"	200	10	LS300005	2,35
1 1/4"	150	10	LS300006	2,90
1 1/2"	120	10	LS300007	4,35
2"	70	5	LS300008	6,75



## 315 CANHÃO PARA MANGUEIRA

Ø	📦		COD.	€
3/8" x 12 mm.	400	10	LS315002	1,30
1/2" x 14 mm.	250	10	LS315003	2,10
1/2" x 20 mm.	190	10	LS315203	2,65
3/4" x 20 mm.	150	10	LS315004	2,90
3/4" x 25 mm.	120	10	LS315254	3,85
1" x 20 mm.	100	10	LS315205	4,50
1" x 25 mm.	90	10	LS315255	4,80
1" x 30 mm.	80	10	LS315005	5,15
1 1/4" x 35 mm.	50	5	LS315006	9,65
1 1/4" x 40 mm.	40	5	LS315406	11,70
1 1/2" x 45 mm.	20	5	LS315007	12,20
2" x 50 mm.	40	5	LS315508	19,40
2" x 60 mm.	30	5	LS315008	21,60



## 318 TÊ 5 VIAS

Ø	📦		COD.	€
1"x1"x1"x 92 mm.	60	5	LS318005	11,40
<b>NEW</b> 1"x1"x1"x 110 mm.	50	5	LS318L05	13,30



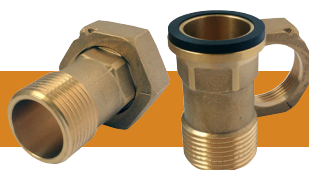
## CASQUILHO DUPLA ROSCA

Ø	📦		COD.	€
1" M x 3/4" H	500	10	LS317A05	1,45
7/8" M x 3/4" H	1.000	10	LS317A78	0,59



## 529 CASQUILHO MARSELHA M/F

Ø	📦		COD.	€
3/8"	650	10	LS529002	0,83
1/2"	300	10	LS529003	1,30
3/4"	250	10	LS529004	2,15
1"	120	10	LS529005	3,45
1 1/4"	80	10	LS529006	5,15
1 1/2"	60	10	LS529007	7,15
2"	60	5	LS529008	11,10



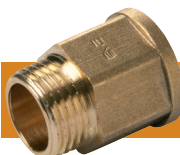
## LIGAÇÃO PARA CONTADOR M/F

Ø	📦		COD.	€
1/2" M x 3/4" H	180	2	LS317034	3,65
1/2" M x 7/8" H	140	2	LS31703S	4,15
3/4" M x 1" H	110	2	LS317045	5,60
1" M x 1 1/4" H	50	2	LS317056	10,50



## 529H CASQUILHO MARSELHA HEXAGONAL M/F

Ø	📦		COD.	€
1/2"	300	10	LS529H03	1,85



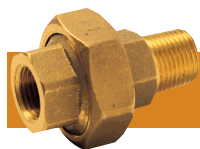
## 529L CASQUILHO MARSELHA M/F LONGO

Ø	📦		COD.	€
1/2"	270	10	LS529L03	2,00



## 330 JUNÇÃO FÊMEA S/D

Ø			COD.	€
1/2"	100	10	LS330003	6,00
3/4"	70	10	LS330004	9,25
1"	50	10	LS330005	11,95
1 1/4"	30	5	LS330006	18,60
1 1/2"	20	5	LS330007	23,00
2"	20	5	LS330008	43,45



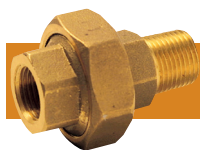
## 331 JUNÇÃO M/F S/D

Ø			COD.	€
1/2"	100	10	LS331003	6,20
3/4"	60	10	LS331004	9,80
1"	40	10	LS331005	14,00
1 1/4"	25	5	LS331006	21,45
1 1/2"	20	5	LS331007	27,00
2"	20	5	LS331008	46,00



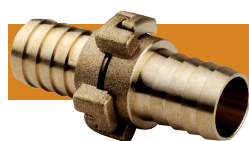
## 340 JUNÇÃO CÓNICA F/F S/C

Ø			COD.	€
1/2"	100	10	LS340003	6,00
3/4"	70	10	LS340004	9,00
1"	50	10	LS340005	11,55
1 1/4"	30	5	LS340006	18,20
1 1/2"	20	5	LS340007	23,70
2"	20	5	LS340008	37,45
2 1/2"	14	1	LS34000A	80,50
3"	12	1	LS34000B	106,35



## 341 JUNÇÃO CÓNICA M/F S/C

Ø			COD.	€
1/2"	100	10	LS341003	6,05
3/4"	60	10	LS341004	8,90
1"	40	10	LS341005	13,35
1 1/4"	25	5	LS341006	19,35
1 1/2"	20	5	LS341007	26,20
2"	20	5	LS341008	38,80
2 1/2"	10	1	LS34100A	97,80
3"	6	1	LS34100B	136,55



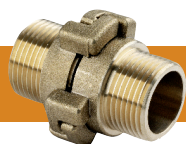
## JUNÇÃO MANGUEIRA / MANGUEIRA

Ø			COD.	€
20 x 20	120	20	LSHH2020	5,00
25 x 25	80	20	LSHH2525	8,10
30 x 30	40	10	LSHH3030	12,30
35 x 35	20	10	LSHH3535	19,10
40 x 40	20	5	LSHH4040	32,35
45 x 45	25	5	LSHH4545	34,50
50 x 50	20	5	LSHH5050	33,05
60 x 60	15	5	LSHH6060	56,75
70 x 70	12	1	LSHH7070	81,90



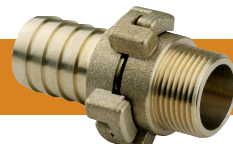
## PASSAMUROS

Ø			COD.	€
3/8"	180	10	LSTC0002	2,55
1/2"	120	10	LSTC0003	3,50
3/4"	80	10	LSTC0004	4,80
1"	50	10	LSTC0005	7,20
1 1/4"	30	10	LSTC0006	10,05
1 1/2"	25	5	LSTC0007	15,15
2"	25	5	LSTC0008	23,75
2 1/2"	24	1	LSTC000A	34,55
3"	12	1	LSTC000B	61,35



## JUNÇÃO ROSCA / ROSCA

Ø			COD.	€
1/2" x 1/2"	200	20	LSTT0303	3,90
3/4" x 3/4"	120	20	LSTT0404	6,70
1" x 1"	80	10	LSTT0505	9,15
1 1/4" x 1 1/4"	40	10	LSTT0606	16,90
1 1/2" x 1 1/2"	50	5	LSTT0707	28,65
2" x 2"	25	5	LSTT0808	47,35
2 1/2" x 2 1/2"	20	1	LSTT0A0A	56,05



## JUNÇÃO MANGUEIRA / ROSCA MACHO

Ø			COD.	€
1/2" x 20	160	20	LSHT2003	4,70
3/4" x 25	100	20	LSHT2504	7,55
1" x 30	50	10	LSHT3005	10,95
1 1/4" x 35	30	10	LSHT3506	17,70
1 1/4" x 40	30	5	LSHT4006	30,70
1 1/2" x 45	35	5	LSHT4507	31,25
2" x 60	20	5	LSHT6008	51,20
2 1/2" x 70	16	1	LSHT700A	69,05



## AUMENTO EM LATÃO M/F

Ø		COD.	€
3/8" M x 3/8" H x 30 mm.	360 10	LSB00302	2,10
3/8" M x 3/8" H x 50 mm.	250 5	LSB00502	2,90
3/8" M x 3/8" H x 100 mm.	180	LSB01002	5,25
1/2" M x 1/2" H x 10 mm.	450 10	LSB00103	1,30
1/2" M x 1/2" H x 20 mm.	380 10	LSB00203	2,05
1/2" M x 1/2" H x 30 mm.	240 10	LSB00303	2,65
1/2" M x 1/2" H x 40 mm.	200 10	LSB00403	3,40
1/2" M x 1/2" H x 50 mm.	160 5	LSB00503	4,05
1/2" M x 1/2" H x 60 mm.	140 5	LSB00603	4,80
1/2" M x 1/2" H x 70 mm.	130 5	LSB00703	5,55
1/2" M x 1/2" H x 80 mm.	140	LSB00803	6,20
1/2" M x 1/2" H x 100 mm.	105	LSB01003	7,65
3/4" M x 3/4" H x 20 mm.	210 10	LSB00204	2,65
3/4" M x 3/4" H x 40 mm.	130 10	LSB00404	4,35
3/4" M x 3/4" H x 50 mm.	100 5	LSB00504	5,15
3/4" M x 3/4" H x 60 mm.	90 5	LSB00604	6,20
3/4" M x 3/4" H x 80 mm.	96 1	LSB00804	8,00
3/4" M x 3/4" H x 100 mm.	78 1	LSB01004	9,85



## AUMENTO CROMADO M/F

Ø		COD.	€
3/8" M x 3/8" H x 30 mm.	360 10	LSBC0302	2,05
3/8" M x 3/8" H x 50 mm.	250 5	LSBC0502	3,05
3/8" M x 3/8" H x 100 mm.	180	LSBC1002	5,10
1/2" M x 1/2" H x 20 mm.	380 10	LSBC0203	2,15
1/2" M x 1/2" H x 40 mm.	200 10	LSBC0403	3,75
1/2" M x 1/2" H x 50 mm.	160 5	LSBC0503	4,40
1/2" M x 1/2" H x 60 mm.	140 5	LSBC0603	5,15
1/2" M x 1/2" H x 80 mm.	140 1	LSBC0803	6,90
1/2" M x 1/2" H x 100 mm.	105 1	LSBC1003	8,35
3/4" M x 3/4" H x 40 mm.	130 10	LSBC0404	4,80
3/4" M x 3/4" H x 50 mm.	100 5	LSBC0504	6,20
3/4" M x 3/4" H x 80 mm.	96 1	LSBC0804	8,55
3/4" M x 3/4" H x 100 mm.	78 1	LSBC1004	10,60



## BOBINE



Ø		COD.	€
1/2" x 50 mm.	240 5	LSN00503	2,40
1/2" x 60 mm.	160 5	LSN00603	3,35
1/2" x 70 mm.	160 5	LSN00703	3,65
1/2" x 80 mm.	140 2	LSN00803	4,25
1/2" x 90 mm.	140 2	LSN00903	4,75
1/2" x 100 mm.	100 2	LSN01003	5,30
1/2" x 150 mm.	100 2	LSN01503	8,55
1/2" x 200 mm.	70 2	LSN02003	11,65
1/2" x 250 mm.	70 2	LSN02503	14,75
3/4" x 50 mm.	140 5	LSN00504	3,10
3/4" x 60 mm.	120 5	LSN00604	3,90
3/4" x 70 mm.	100 5	LSN00704	5,25
3/4" x 80 mm.	90 3	LSN00804	5,50
3/4" x 90 mm.	90 3	LSN00904	6,90
3/4" x 100 mm.	90 2	LSN01004	7,05
3/4" x 150 mm.	70 2	LSN01504	10,90
3/4" x 200 mm.	50 2	LSN02004	15,70
3/4" x 250 mm.	40 2	LSN02504	19,75
1" x 50 mm.	90 5	LSN00505	4,30
1" x 60 mm.	80 5	LSN00605	6,05
1" x 70 mm.	60 5	LSN00705	6,60
1" x 80 mm.	90 3	LSN00805	8,45
1" x 90 mm.	70 2	LSN00905	10,20
1" x 100 mm.	60 2	LSN01005	11,05
1" x 125 mm.	50 2	LSN01255	13,65
1" x 150 mm.	44 2	LSN01505	16,50
1" x 200 mm.	30 2	LSN02005	23,20
1" x 250 mm.	30 2	LSN02505	30,40
1 1/4" x 50 mm.	45 5	LSN00506	6,05
1 1/4" x 60 mm.	45 5	LSN00606	7,45
1 1/4" x 70 mm.	40 5	LSN00706	8,90
1 1/4" x 80 mm.	40 2	LSN00806	10,35
1 1/4" x 90 mm.	36 3	LSN00906	12,10
1 1/4" x 100 mm.	30 2	LSN01006	13,75
1 1/4" x 125 mm.	26 2	LSN01256	17,45
1 1/4" x 150 mm.	20 2	LSN01506	21,10
1 1/4" x 200 mm.	26 2	LSN02006	29,70
1 1/4" x 250 mm.	26 2	LSN02506	42,55
1 1/2" x 100 mm.	76 2	LSN01007	16,85
1 1/2" x 150 mm.	50 2	LSN01507	26,80
1 1/2" x 200 mm.	34 2	LSN02007	36,85



## BOBINE CROMADA



Ø		COD.	€
1/2" x 50 mm.	240 1	LSNC0503	3,65
1/2" x 60 mm.	160 1	LSNC0603	4,55
1/2" x 70 mm.	130 1	LSNC0703	5,30
1/2" x 100 mm.	100 1	LSNC1003	8,25
1/2" x 150 mm.	100 1	LSNC1503	12,60
3/4" x 50 mm.	140 1	LSNC0504	4,70
3/4" x 60 mm.	120 1	LSNC0604	4,80
3/4" x 70 mm.	100 1	LSNC0704	6,90
3/4" x 100 mm.	90 1	LSNC1004	10,30
3/4" x 150 mm.	60 1	LSNC1504	16,00
1" x 50 mm.	90 1	LSNC0505	6,35
1" x 100 mm.	45 1	LSNC1005	15,40
1" x 150 mm.	30 1	LSNC1505	24,00



## BOBINE DE AUMENTO



Ø		COD.	€
1/2" x 100 mm.	100 2	LSP01003	5,70
1/2" x 150 mm.	100 2	LSP01503	9,20
1/2" x 200 mm.	70 2	LSP02003	12,75
3/4" x 100 mm.	90 2	LSP01004	7,60
3/4" x 150 mm.	70 2	LSP01504	11,70
3/4" x 200 mm.	50 2	LSP02004	17,00
1" x 100 mm.	60 2	LSP01005	12,00
1" x 150 mm.	44 2	LSP01505	18,00
1" x 200 mm.	30 2	LSP02005	25,30
1" x 250 mm.	30 2	LSP02505	33,20

**ACESSÓRIOS ROSCADOS - CROMADOS**

**90** JOELHO 90° F/F

Ø		COD.	€
3/8"	350 1	LS090P02	2,15
1/2"	200 1	LS090P03	2,70
3/4"	100 1	LS090P04	4,40
1"	60 1	LS090P05	6,70


**92** JOELHO 90° M/F

Ø		COD.	€
3/8"	350 1	LS092P02	2,20
1/2"	200 1	LS092P03	3,05
3/4"	100 1	LS092P04	4,60
1"	60 1	LS092P05	7,50


**130** TÊ 90°

Ø		COD.	€
3/8"	250 1	LS130P02	2,50
1/2"	150 1	LS130P03	3,30
3/4"	60 1	LS130P04	6,15
1"	40 1	LS130P05	8,75


**241** PORCA REDUÇÃO HEXAGONAL

Ø		COD.	€
1/2" M x 3/8" H	500 1	LS241P32	0,95
3/4" M x 1/2" H	300 1	LS241P43	1,50


**245** CASQUILHO DUPLO DE REDUÇÃO M/M

Ø		COD.	€
1/2" x 3/8"	450 1	LS245P32	1,40
3/4" x 1/2"	400 1	LS245P43	2,15


**270** UNIÃO F/F

Ø		COD.	€
3/8"	350 1	LS270P02	1,65
1/2"	250 1	LS270P03	2,20
3/4"	150 1	LS270P04	3,05
1"	100 1	LS270P05	4,85


**280** CASQUILHO DUPLO M/M

Ø		COD.	€
3/8"	400 1	LS280P02	1,20
1/2"	350 1	LS280P03	1,60
3/4"	200 1	LS280P04	2,25
1"	150 1	LS280P05	3,60


**290** TAMPÃO MACHO COM REBORDO

Ø		COD.	€
3/8"	500 1	LS290P02	0,95
1/2"	400 1	LS290P03	1,15
3/4"	350 1	LS290P04	1,75
1"	200 1	LS290P05	2,70


**300** TAMPÃO FÊMEA

Ø		COD.	€
3/8"	500 1	LS300P02	1,05
1/2"	450 1	LS300P03	1,20
3/4"	300 1	LS300P04	1,80
1"	200 1	LS300P05	2,70


**529** CASQUILHO MARSELHA M/F

Ø		COD.	€
3/8"	400 1	LS529P02	1,15
1/2"	300 1	LS529P03	1,70
3/4"	250 1	LS529P04	2,65
1"	120 1	LS529P05	4,20

## ACESSÓRIOS ROSCADOS - NIQUELADOS



**90** JOELHO 90° F/F

Ø	📦		COD.	€
3/8"	350	10	LS090C02	2,15
1/2"	200	10	LS090C03	2,60
3/4"	100	10	LS090C04	4,15
1"	60	10	LS090C05	6,25



**92** JOELHO 90° M/F

Ø	📦		COD.	€
1/2"	200	10	LS092C03	2,85
3/4"	100	10	LS092C04	4,35
1"	60	10	LS092C05	7,05



**130** TÊ 90°

Ø	📦		COD.	€
1/2"	150	10	LS130C03	3,05
3/4"	60	10	LS130C04	5,65
1"	40	10	LS130C05	8,20



**241** PORCA REDUÇÃO HEXAGONAL

Ø	📦		COD.	€
1/2" M x 3/8" H	500	10	LS241C32	0,89
3/4" M x 1/2" H	300	10	LS241C43	1,40



**245** CASQUILHO DUPLO DE REDUÇÃO M/M

Ø	📦		COD.	€
1/2" x 3/8"	700	10	LS245C32	1,30
3/4" x 1/2"	400	10	LS245C43	2,05



**270** UNIÃO F/F

Ø	📦		COD.	€
3/8"	350	10	LS270C02	1,60
1/2"	250	10	LS270C03	2,10
3/4"	150	10	LS270C04	2,80
1"	100	10	LS270C05	4,55



**280** CASQUILHO DUPLO M/M

Ø	📦		COD.	€
3/8"	800	10	LS280C02	1,15
1/2"	350	10	LS280C03	1,45
3/4"	200	10	LS280C04	2,15
1"	150	10	LS280C05	3,35



**290** TAMPÃO MACHO COM REBORDO

Ø	📦		COD.	€
3/8"	1000	10	LS290C02	0,89
1/2"	600	10	LS290C03	1,10
3/4"	350	10	LS290C04	1,60
1"	200	10	LS290C05	2,55



**300** TAMPÃO FÊMEA

Ø	📦		COD.	€
3/8"	1000	10	LS300C02	1,00
1/2"	450	10	LS300C03	1,10
3/4"	300	10	LS300C04	1,70
1"	200	10	LS300C05	2,40



**529** CASQUILHO MARSELHA M/F

Ø	📦		COD.	€
3/8"	650	10	LS529C02	1,10
1/2"	300	10	LS529C03	1,60
3/4"	250	10	LS529C04	2,55
1"	120	10	LS529C05	3,90



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

Ø	📦		COD.	€
1/2"	300	10	LS529HC3	1,70

**ACESSÓRIOS DE LATÃO SOLDAR / ROSCAR**

**90 JOELHO 90° FÊMEA**

Ø			COD.	€
1/2" x 12	420	20	LSR90123	1,70
1/2" x 15	400	20	LSR90153	1,80
1/2" x 18	270	15	LSR90183	2,20
1/2" x 22	210	15	LSR90223	2,65
3/4" x 18	200	10	LSR90184	2,80
3/4" x 22	150	10	LSR90224	3,20
3/4" x 28	100	10	LSR90284	4,35
1" x 28	80	10	LSR90285	5,50


**92 JOELHO 90° MACHO**

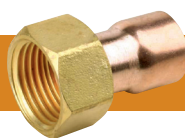
Ø			COD.	€
1/2" x 12	340	20	LSR92123	1,55
1/2" x 15	320	20	LSR92153	1,65
1/2" x 18	270	15	LSR92183	2,20
1/2" x 22	210	10	LSR92223	2,60
3/4" x 22	160	10	LSR92224	3,10


**243 CASQUILHO MACHO**

Ø			COD.	€
1/2" x 12	600	20	LSR43123	1,00
1/2" x 15	600	20	LSR43153	1,00
1/2" x 18	450	15	LSR43183	1,45
3/4" x 15	375	15	LSR43154	1,75
3/4" x 18	300	10	LSR43184	1,70
3/4" x 22	300	10	LSR43224	1,60
3/4" x 28	220	10	LSR43284	2,25
1" x 22	200	10	LSR43225	2,55
1" x 28	180	10	LSR43285	2,40
1 1/2" x 42	60	5	LSR43427	6,65


**270 CASQUILHO FÊMEA**

Ø			COD.	€
1/2" x 12	560	20	LSR27123	1,10
1/2" x 15	540	20	LSR27153	1,15
1/2" x 18	420	15	LSR27183	1,45
1/2" x 22	300	15	LSR27223	1,60
3/4" x 15	330	15	LSR27154	1,70
3/4" x 18	300	10	LSR27184	1,85
3/4" x 22	230	10	LSR27224	2,20
3/4" x 28	170	10	LSR27284	2,35
1" x 22	170	10	LSR27225	3,10
1" x 28	130	10	LSR27285	3,40
1 1/4" x 35	70	5	LSR27356	5,35
1 1/2" x 42	45	5	LSR27427	8,00


**359 TERMINAL ABOCARDADO**

Ø			COD.	€
1/2" x 12	420	20	LSR59123	1,45
1/2" x 15	380	20	LSR59153	2,15
1/2" x 18	330	15	LSR59183	2,25
1/2" x 22	255	15	LSR59223	2,50
3/4" x 15	255	15	LSR59154	2,70
3/4" x 18	230	10	LSR59184	3,10
3/4" x 22	180	10	LSR59224	3,50
1" x 18	160	10	LSR59185	4,50
1" x 22	130	10	LSR59225	4,70
1" x 28	110	10	LSR59285	5,10


**130 TÊ 90° FÊMEA**

Ø			COD.	€
1/2" x 15	260	20	LSR13153	1,85
1/2" x 18	210	15	LSR13183	2,55
1/2" x 22	120	15	LSR13223	3,35
3/4" x 28	70	10	LSR13284	5,45


**JOELHO FÊMEA C/PATER**

Ø			COD.	€
1/2" x 15	240	20	LSRCP153	2,35
1/2" x 22	135	15	LSRCP223	3,35
3/4" x 18	140	10	LSRCP184	3,75
3/4" x 22	120	10	LSRCP224	4,15



## ACESSÓRIOS DE REPARAÇÃO

Tapaporos 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	6,65
12	140	10	VS700012	7,45
14	100	10	VS700014	9,55
15	100	10	VS700015	10,60
16	90	10	VS700016	11,55
18	90	10	VS700018	12,60
20	80	10	VS700020	13,70
22	60	10	VS700022	13,80
25	50	5	VS700025	16,05
28	40	5	VS700028	18,65
32	35	5	VS700032	21,40
35	30	5	VS700035	22,85
42	20	5	VS700042	32,60
54	10	5	VS700054	52,70
63	7	1	VS700063	71,40



TOMADAS DERIVAÇÃO

Ø			COD.	€
1/2" x 10 mm.	120	10	VS701010	10,35
1/2" x 12 mm.	100	10	VS701012	11,35
1/2" x 14 mm.	90	10	VS701014	14,25
1/2" x 15 mm.	90	10	VS701015	14,90
1/2" x 16 mm.	80	10	VS701016	14,90
1/2" x 18 mm.	80	10	VS701018	15,35
1/2" x 20 mm.	70	10	VS701020	16,80
1/2" x 22 mm.	60	10	VS701022	16,80
3/4" x 25 mm.	40	5	VS701025	21,40
3/4" x 28 mm.	30	5	VS701028	23,75
3/4" x 32 mm.	25	5	VS701032	26,15
3/4" x 35 mm.	25	5	VS701035	29,80
1" x 42 mm.	15	5	VS701042	41,30
1 1/4" x 54 mm.	10	5	VS701054	68,10

## ACESSÓRIOS DE LATÃO BICONE PARA TUBO DE COBRE

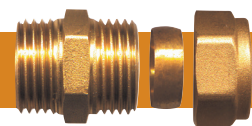
Certificação KIWA.

Certificação GASTEC.

Pressão máxima de trabalho: PN 16 a 30° C.

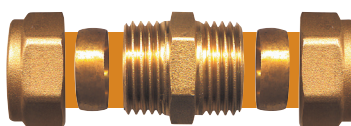
Temperatura máxima de trabalho: 120° C.

Aplicações: Distribuição de água quente e fria, instalações de aquecimento, gás (instalações domésticas) e fuel líquido.



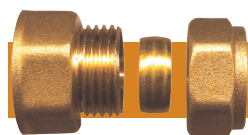
CASQUILHO MACHO

Ø			COD.	€
3/8" x 12	200	10	TAP00022	2,45
3/8" x 15	180	10	TAP00052	3,10
1/2" x 12	150	10	TAP00023	3,35
1/2" x 15	100	10	TAP10053	3,50
1/2" x 16	100	10	TAP10063	4,90
1/2" x 18	100	10	TAP10073	5,20
1/2" x 22	70	10	TAP00093	6,90
3/4" x 15	80	10	TAP10054	5,25
3/4" x 18	70	10	TAP10074	5,60
3/4" x 22	50	10	TAP10094	5,45
1" x 22	50	10	TAP10095	6,90
1" x 28	30	5	TAP100B5	8,45



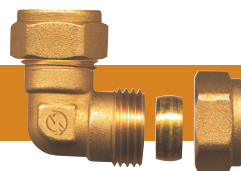
UNIÃO DUPLA

Ø			COD.	€
12 x 12	150	10	TAP00122	3,35
15 x 12	100	10	TAP00152	3,75
15 x 15	100	10	TAP10155	4,45
16 x 16	100	10	TAP10166	6,30
18 x 18	100	10	TAP10177	7,05
22 x 15	60	10	TAP00195	6,55
22 x 22	50	10	TAP00199	6,70
28 x 28	30	5	TAP001BB	10,60



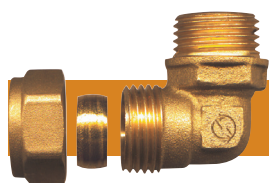
### CASQUILHO FÊMEA

Ø			COD.	€
3/8" x 10	200	10	TAP00212	2,85
3/8" x 12	150	10	TAP00222	2,95
3/8" x 15	120	10	TAP00252	4,80
1/2" x 12	150	10	TAP00223	4,70
1/2" x 15	100	10	TAP10253	3,55
1/2" x 16	100	10	TAP10263	5,95
1/2" x 18	100	10	TAP10273	5,60
1/2" x 22	60	10	TAP00293	7,85
3/4" x 15	80	10	TAP00254	6,30
3/4" x 18	60	10	TAP10274	7,65
3/4" x 22	50	10	TAP00294	6,05
1" x 22	50	10	TAP10295	9,40
1" x 28	30	5	TAP002B5	10,80



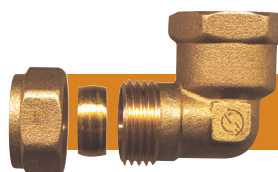
### JOELHO DUPLO 90°

Ø			COD.	€
12 x 12	100	10	TAP00322	4,35
15 x 15	100	10	TAP10355	4,60
16 x 16	70	10	TAP10366	6,60
18 x 18	60	10	TAP10377	7,30
22 x 22	40	10	TAP00399	7,85
28 x 28	20	5	TAP003BB	12,75



### JOELHO MACHO 90°

Ø			COD.	€
3/8" x 12	150	10	TAP00422	3,85
1/2" x 12	120	10	TAP00423	5,30
1/2" x 15	100	10	TAP10453	5,05
1/2" x 18	60	10	TAP10473	5,65
3/4" x 22	40	10	TAP10494	7,75
1" x 28	30	5	TAP104B5	13,85



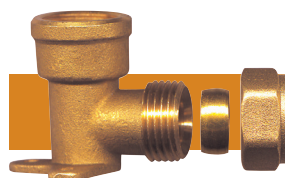
### JOELHO FÊMEA 90°

Ø			COD.	€
3/8" x 12	100	10	TAP00522	4,10
1/2" x 12	100	10	TAP00523	4,65
1/2" x 15	80	10	TAP00553	4,55
1/2" x 16	60	10	TAP10563	7,15
1/2" x 18	70	10	TAP10573	6,85
3/4" x 15	50	10	TAP00554	6,90
3/4" x 22	50	10	TAP00594	7,75
1" x 28	30	5	TAP005B5	13,95



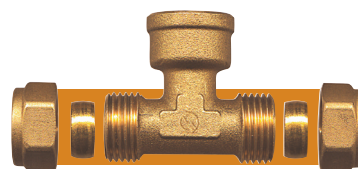
### TÊ 90°

Ø			COD.	€
12 x 12 x 12	100	10	TAP07222	5,10
15 x 15 x 15	60	10	TAP17555	6,20
16 x 16 x 16	40	10	TAP17666	9,40
18 x 18 x 18	50	10	TAP17777	9,50
22 x 15 x 22	30	10	TAP07959	8,65
22 x 22 x 22	20	10	TAP07999	9,90
28 x 28 x 28	15	5	TAP07BBB	16,30



### JOELHO FÊMEA C/PATER

Ø			COD.	€
1/2" x 15	40	10	TAP00653	7,85



### TÊ FÊMEA 90°

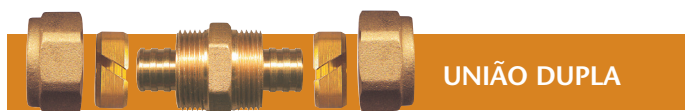
Ø			COD.	€
1/2" x 15 x 15	50	10	TAP19535	7,15
1/2" x 22 x 22	30	10	TAP09939	8,45
3/4" x 22 x 22	30	10	TAP19949	11,80

## 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	6,85
15 x 15 x 2.5	100 10	TR8RD015	6,65
16 x 16 x 2.0	100 10	TR9RD016	6,70
16 x 16 x 2.2	100 10	TR8RD016	6,35
18 x 18 x 2.5	80 10	TR8RD018	8,55
20 x 20 x 2.0	60 10	TR9RD020	10,90
20 x 20 x 2.8	60 10	TR8RD020	10,60
22 x 22 x 3.0	50 10	TR8RD022	12,00
25 x 25 x 2.3	40 10	TR9RD025	15,45
25 x 25 x 3.5	40 10	TR8RD025	15,60
32 x 32 x 3.0	25 5	TR9RD032	24,15



CASQUILHO FÊMEA

Ø		COD.	€
3/8" x 12 x 2.0	150 10	TR8RH122	3,65
1/2" x 12 x 2.0	150 10	TR9RH123	4,05
1/2" x 15 x 2.5	150 10	TR8RH153	3,65
1/2" x 16 x 2.0	150 10	TR9RH163	3,85
1/2" x 16 x 2.2	150 10	TR8RH163	3,85
1/2" x 18 x 2.5	100 10	TR8RH183	5,25
1/2" x 20 x 2.0	80 10	TR9RH203	6,05
1/2" x 20 x 2.8	80 10	TR8RH203	6,10
1/2" x 22 x 3.0	60 10	TR8RH223	7,55
3/4" x 16 x 2.0	100 10	TR9RH164	4,60
3/4" x 16 x 2.2	100 10	TR8RH164	4,60
3/4" x 18 x 2.5	80 10	TR8RH184	5,40
3/4" x 20 x 2.0	80 10	TR9RH204	6,30
3/4" x 20 x 2.8	80 10	TR8RH204	6,05
3/4" x 22 x 3.0	70 10	TR8RH224	7,95
3/4" x 25 x 2.3	50 10	TR9RH254	11,20
3/4" x 25 x 3.5	50 10	TR8RH254	10,75
3/4" x 32 x 3.0	40 5	TR9RH324	13,95
1" x 25 x 2.3	40 5	TR9RH255(1)	11,95
1" x 25 x 3.5	40 5	TR8RH255	13,15
1" x 32 x 3.0	40 5	TR9RH325	15,85



CASQUILHO MACHO

Ø		COD.	€
3/8" x 12 x 2.0	170 10	TR8RM122	3,65
1/2" x 12 x 2.0	170 10	TR8RM123	3,55
1/2" x 15 x 2.5	160 10	TR8RM153	3,55
1/2" x 16 x 2.0	160 10	TR9RM163	3,55
1/2" x 16 x 2.2	160 10	TR8RM163	3,55
1/2" x 18 x 2.5	100 10	TR8RM183	4,80
1/2" x 20 x 2.0	100 10	TR9RM203	5,80
1/2" x 20 x 2.8	100 10	TR8RM203	5,85
1/2" x 22 x 3.0	60 10	TR8RM223	7,75
3/4" x 16 x 2.0	120 10	TR9RM164	4,25
3/4" x 16 x 2.2	120 10	TR8RM164	4,25
3/4" x 18 x 2.5	100 10	TR8RM184	5,20
3/4" x 20 x 2.0	80 10	TR9RM204	5,70
3/4" x 20 x 2.8	80 10	TR8RM204	5,65
3/4" x 22 x 3.0	60 10	TR8RM224	7,00
3/4" x 25 x 2.3	50 10	TR9RM254	10,55
3/4" x 25 x 3.5	50 10	TR8RM254	11,00
3/4" x 32 x 3.0	40 10	TR9RM324	14,50
1" x 25 x 2.3	40 10	TR9RM255	12,70
1" x 25 x 3.5	40 10	TR8RM255	12,55
1" x 32 x 3.0	40 10	TR9RM325	15,30



JOELHO DUPLO 90°

Ø		COD.	€
12 x 12 x 2.0	80 10	TR9CD012	7,60
15 x 15 x 2.5	80 10	TR8CD015	7,20
16 x 16 x 2.0	80 10	TR9CD016	7,15
16 x 16 x 2.2	80 10	TR8CD016	7,40
18 x 18 x 2.5	60 10	TR8CD018	10,75
20 x 20 x 2.0	50 10	TR9CD020	12,00
20 x 20 x 2.8	50 5	TR8CD020	12,20
22 x 22 x 3.0	40 5	TR8CD022	14,50
25 x 25 x 2.3	20 5	TR9CD025	20,05
25 x 25 x 3.5	20 5	TR8CD025 (1)	20,75
32 x 32 x 3.0	20 5	TR9CD032	30,00



JOELHO PARA CAIXA 100°

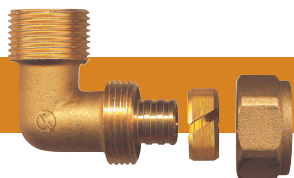
Ø		COD.	€
1/2" x 16 x 2.0	70 10	TR9A0163	5,95
1/2" x 16 x 2.2	70 10	TR8A0163	5,95



JOELHO PARA CAIXA 105°

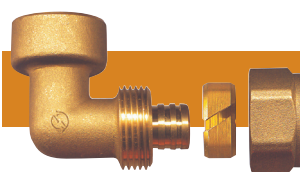
Ø		COD.	€
1/2" x 16 x 2.0	70 10	TR9A5163	6,55

(1) Até fim de existências



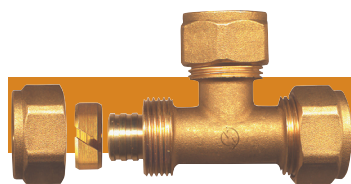
### JOELHO MACHO 90°

Ø		COD.	€
1/2" x 15 x 2.5	100 10	TR8CM153	6,10
1/2" x 16 x 2.0	100 10	TR9CM163	5,65
1/2" x 16 x 2.2	100 10	TR8CM163	5,65
1/2" x 18 x 2.5	80 10	TR8CM183	7,05
1/2" x 20 x 2.0	60 10	TR9CM203	9,45
1/2" x 20 x 2.8	60 10	TR8CM203(1)	9,05
3/4" x 16 x 2.0	70 10	TR9CM164	6,60
3/4" x 16 x 2.2	70 10	TR8CM164	6,60
3/4" x 18 x 2.5	70 10	TR8CM184	7,95
3/4" x 20 x 2.0	50 10	TR9CM204	9,30
3/4" x 20 x 2.8	50 10	TR8CM204	9,30
3/4" x 22 x 3.0	50 10	TR8CM224	11,50
3/4" x 25 x 2.3	30 10	TR9CM254	15,95
3/4" x 25 x 3.5	30 10	TR8CM254	15,30
3/4" x 32 x 3.0	20 5	TR9CM324	19,00
1" x 25 x 2.3	30 5	TR9CM255	18,40
1" x 25 x 3.5	30 5	TR8CM255	18,30
1" x 32 x 3.0	20 5	TR9CM325	21,90



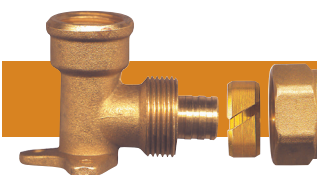
### JOELHO FÊMEA 90°

Ø		COD.	€
3/8" x 15 x 2.5	80 10	TR8CH152(1)	5,30
1/2" x 12 x 2.0	80 10	TR8CH123	6,10
1/2" x 15 x 2.5	80 10	TR8CH153	6,10
1/2" x 16 x 2.0	80 10	TR9CH163	6,10
1/2" x 16 x 2.2	80 10	TR8CH163	6,10
1/2" x 18 x 2.5	70 10	TR8CH183	8,35
1/2" x 20 x 2.0	60 10	TR9CH203	8,75
1/2" x 20 x 2.8	60 10	TR8CH203	8,55
1/2" x 22 x 3.0	40 10	TR8CH223	10,00
3/4" x 16 x 2.0	40 10	TR9CH164	6,85
3/4" x 16 x 2.2	40 10	TR8CH164	6,85
3/4" x 18 x 2.5	40 10	TR8CH184	7,95
3/4" x 20 x 2.0	40 10	TR9CH204	9,45
3/4" x 20 x 2.8	40 10	TR8CH204	9,45
3/4" x 22 x 3.0	40 10	TR8CH224	11,55
3/4" x 25 x 2.3	30 5	TR9CH254	16,30
3/4" x 25 x 3.5	30 5	TR8CH254	15,45
3/4" x 32 x 3.0	20 5	TR9CH324(1)	23,85
1" x 25 x 2.3	30 5	TR9CH255	18,40
1" x 25 x 3.5	30 5	TR8CH255	18,40
1" x 32 x 3.0	20 5	TR9CH325	22,75



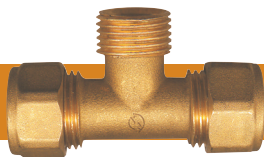
### TÊ 90°

Ø		COD.	€
12 x 12 x 12 x 2.0	60 10	TR9TD012(1)	10,10
15 x 15 x 15 x 2.5	60 10	TR8TD015	10,35
16 x 16 x 16 x 2.0	60 10	TR9TD016	10,05
16 x 16 x 16 x 2.2	60 10	TR8TD016	10,05
18 x 18 x 18 x 2.5	40 10	TR8TD018	15,20
20 x 20 x 20 x 2.0	30 10	TR9TD020	16,05
22 x 22 x 22 x 3.0	20 5	TR8TD022	20,65
25 x 25 x 25 x 2.3	20 5	TR9TD025	27,55
32 x 32 x 32 x 3.0	10 5	TR9TD032(1)	41,05



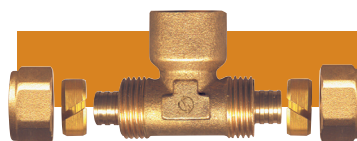
### JOELHO FÊMEA C/ PATER

Ø		COD.	€
1/2" x 15 x 2.5	50 10	TR8CP153 (1)	6,60
1/2" x 16 x 2.0	50 10	TR9CP163	6,95
1/2" x 16 x 2.2	50 10	TR8CP163	6,95
1/2" x 18 x 2.5	50 10	TR8CP183	8,90
1/2" x 20 x 2.0	40 10	TR9CP203	9,90
1/2" x 20 x 2.8	40 10	TR8CP203	9,90



### TÊ MACHO

Ø		COD.	€
1/2" x 16 x 2.0	60 10	TR9TM163	8,40
1/2" x 20 x 2.0	30 10	TR9TM203	13,40
1/2" x 20 x 2.8	30 10	TR8TM203	13,40
1/2" x 22 x 3.0	30 10	TR8TM223	16,05
3/4" x 16 x 2.2	40 10	TR8TM164	11,15
3/4" x 20 x 2.0	30 10	TR9TM204	15,20
3/4" x 20 x 2.8	30 10	TR8TM204	15,20
3/4" x 25 x 2.3	20 10	TR9TM254	23,60
3/4" x 25 x 3.5	20 10	TR8TM254	22,75
3/4" x 32 x 3.0	20 5	TR9TM324	50,10
1" x 32 x 3.0	10 5	TR9TM325	33,70



### TÊ FÊMEA 90°

Ø		COD.	€
1/2" x 15 x 2.5	50 10	TR8TH153	8,90
1/2" x 16 x 2.0	50 10	TR9TH163	8,90
1/2" x 16 x 2.2	50 10	TR8TH163	8,90
1/2" x 18 x 2.5	40 10	TR8TH183	12,55
1/2" x 20 x 2.0	30 10	TR9TH203	13,60
1/2" x 22 x 3.0	30 10	TR8TH223	16,60
3/4" x 16 x 2.0	30 10	TR9TH164	10,75
3/4" x 16 x 2.2	30 10	TR8TH164	10,75
3/4" x 20 x 2.0	30 10	TR9TH204	14,10
3/4" x 20 x 2.8	30 10	TR8TH204	14,10
3/4" x 22 x 3.0	30 10	TR8TH224	16,25
3/4" x 25 x 2.3	20 5	TR9TH254	24,15
3/4" x 25 x 3.5	20 5	TR8TH254(1)	23,15
3/4" x 32 x 3.0	15 5	TR9TH324	49,45
1" x 25 x 2.3	20 5	TR9TH255	24,55
1" x 25 x 3.5	20 5	TR8TH255	24,55
1" x 32 x 3.0	15 5	TR9TH325	34,25

(1) Até fim de existências



**CAIXA PLÁSTICA  
PARA JOELHO 100° E 105°**

Ø		COD.	€
Única	400 1	TR9PL100	2,95

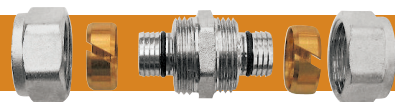
## ACESSÓRIOS PARA MULTICAMADA DE COMPRESSÃO

Pressão máxima de trabalho: PN16 a 60°C.

Temperatura máxima de trabalho: 95° C.

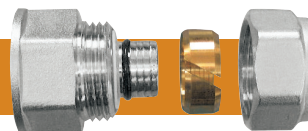
Acessórios para tubo PEX-AL-PEX.

Aplicações: distribuição de fluidos não alimentares com temperatura inferior a 95° C (ex. instalações de aquecimento) e de fluidos alimentares e de uso sanitário (ex. instalações higiênico-sanitárias).



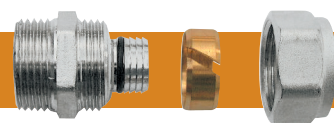
**UNIÃO DUPLA**

Ø		COD.	€
16 x 16	100 10	TM011616	8,70
18 x 18	80 10	TM011818	13,05
20 x 20	60 10	TM012020	12,50
26 x 26	40 5	TM012626	21,25
32 x 32	25 5	TM013232	41,40



**CASQUILHO FÊMEA**

Ø		COD.	€
1/2" x 16	150 10	TM021603	5,85
1/2" x 18	100 10	TM021803	7,05
1/2" x 20	80 10	TM022003	7,00
3/4" x 16	100 10	TM021604	7,55
3/4" x 18	80 10	TM021804	7,65
3/4" x 20	80 10	TM022004	7,95
3/4" x 26	50 5	TM022604	14,70
1" x 26	40 5	TM022605	15,25
1" x 32	40 5	TM023205	24,60



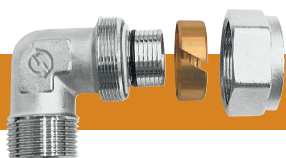
**CASQUILHO MACHO**

Ø		COD.	€
1/2" x 16	160 10	TM001603	5,15
1/2" x 18	100 10	TM001803	6,85
1/2" x 20	100 10	TM002003	6,85
3/4" x 16	120 10	TM001604	7,15
3/4" x 18	100 10	TM001804	7,15
3/4" x 20	80 10	TM002004	7,15
3/4" x 26	50 5	TM002604	12,80
1" x 26	40 5	TM002605	12,80
1" x 32	40 5	TM003205	24,35



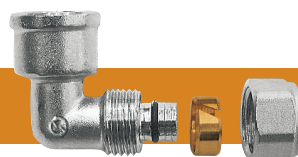
**JOELHO DUPLO 90°**

Ø		COD.	€
16 x 16	80 10	TM031616	10,70
18 x 18	50 10	TM031818	13,60
20 x 20	50 10	TM032020	13,60
26 x 26	20 5	TM032626	22,90
32 x 32	20 5	TM033232	43,30



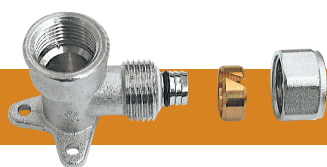
### JOELHO MACHO 90°

Ø		COD.	€
1/2" x 16	100 10	TM041603	7,30
1/2" x 18	80 10	TM041803	10,00
1/2" x 20	60 10	TM042003	10,40
3/4" x 16	70 10	TM041604	9,45
3/4" x 18	70 10	TM041804	9,90
3/4" x 20	50 10	TM042004	10,40
3/4" x 26	30 5	TM042604	18,40
1" x 26	30 5	TM042605	18,55
1" x 32	30 5	TM043205	30,35



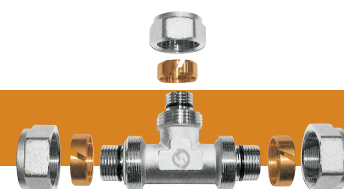
### JOELHO FÊMEA 90°

Ø		COD.	€
1/2" x 16	80 10	TM051603	7,75
1/2" x 18	70 10	TM051803	9,75
1/2" x 20	60 10	TM052003	9,90
3/4" x 16	40 10	TM051604	10,35
3/4" x 18	40 10	TM051804	9,90
3/4" x 20	40 10	TM052004	10,40
3/4" x 26	30 5	TM052604	19,40
1" x 26	30 5	TM052605	21,65
1" x 32	20 5	TM053205	31,35



### JOELHO FÊMEA C/PATER

Ø		COD.	€
1/2" x 16	50 10	TM061603	11,60
1/2" x 18	50 10	TM061803	12,00



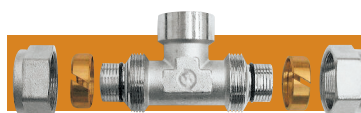
### TÊ 90°

Ø		COD.	€
16 x 16 x 16	60 10	TM070666	15,05
18 x 18 x 18	30 10	TM070777	19,95
20 x 20 x 20	30 10	TM070888	20,10
26 x 26 x 26	20 1	TM072666	32,95
32 x 32 x 32	10 1	TM070CCC	56,60



### TÊ 90°

Ø		COD.	€
1/2" x 16	60 10	TM080636	11,40
1/2" x 18	40 10	TM080737	14,60
1/2" x 20	30 10	TM080838	14,60
3/4" x 16	40 10	TM080646	15,85
3/4" x 18	40 10	TM080747	16,30
3/4" x 20	30 5	TM080848	16,40
3/4" x 26	20 5	TM082646	28,40
1" x 26	15 5	TM082656	29,65
1" x 32	10 1	TM080C5C	48,70



### TÊ FÊMEA 90°

Ø		COD.	€
1/2" x 16	50 10	TM090636	11,90
1/2" x 18	40 10	TM090737	15,20
1/2" x 20	30 10	TM090838	15,15
3/4" x 16	30 10	TM090646	16,05
3/4" x 18	30 10	TM090747	16,55
3/4" x 20	30 5	TM090848	17,55
3/4" x 26	20 5	TM092646	29,65
1" x 26	20 5	TM092656	29,05
1" x 32	10 1	TM090C5C	48,20



### TAMPÃO PARA TUBO MULTICAMADA

Ø		COD.	€
16 x 2,0	300 10	TMTP1603	3,10



**ATUSA PORTUGAL LDA**

Rua Fernando Marques Dias, Lote 3  
Zona Industrial Maia I Setor III  
4470-391 MAIA - **PORTUGAL**  
Tel.: +351 229410583  
[geral@atusagroup.com](mailto:geral@atusagroup.com)  
[www.atusagroup.com](http://www.atusagroup.com)