

***Acessórios em PEAD  
de soldadura por electrofusão e topo a topo***



**Tabela de Preços**

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**Acessórios em PEAD de soldadura topo a topo**

**TBE**

Tê simples a 90º

| D   | código  | €        | €        | €        | €        |
|-----|---------|----------|----------|----------|----------|
|     |         | PN-10    | PN-16    | PN-20    | PN-25    |
| 20  | TBE.020 |          | 3,40     |          |          |
| 25  | TBE.025 |          | 3,40     |          | 7,70     |
| 32  | TBE.032 |          | 3,80     |          | 8,50     |
| 40  | TBE.040 |          | 4,50     |          | 9,30     |
| 50  | TBE.050 |          | 5,10     |          | 11,40    |
| 63  | TBE.063 | 6,60     | 6,80     | 19,00    | 14,60    |
| 75  | TBE.075 | 8,90     | 9,40     | 22,90    | 23,20    |
| 90  | TBE.090 | 14,00    | 14,90    | 29,70    | 30,10    |
| 110 | TBE.110 | 20,90    | 22,00    | 44,20    | 44,70    |
| 125 | TBE.125 | 31,60    | 33,40    | 73,20    | 73,90    |
| 140 | TBE.140 | 46,00    | 48,60    | 103,20   | 103,90   |
| 160 | TBE.160 | 58,30    | 61,70    | 138,80   | 139,50   |
| 180 | TBE.180 | 78,50    | 83,00    | 236,60   | 239,70   |
| 200 | TBE.200 | 99,80    | 106,80   | 313,20   | 316,30   |
| 225 | TBE.225 | 135,80   | 143,70   | 386,00   | 389,80   |
| 250 | TBE.250 | 199,50   | 214,20   | 634,80   | 640,80   |
| 280 | TBE.280 | 353,00   | 373,30   | 884,30   | 892,60   |
| 315 | TBE.315 | 361,40   | 416,30   | 1.061,70 | 1.071,60 |
| 355 | TBE.355 | 695,20   | 866,20   | 1.297,70 | 1.516,70 |
| 400 | TBE.400 | 1.065,90 | 1.241,20 | 1.803,20 | 1.912,80 |
| 450 | TBE.450 | 1.344,00 | 1.616,20 | 2.558,20 | 2.949,20 |
| 500 | TBE.500 | 1.900,10 | 2.250,70 | 3.648,60 | 3.943,50 |
| 560 | TBE.560 | 2.345,10 | 2.947,50 |          |          |
| 630 | TBE.630 | 3.262,70 | 3.974,70 |          |          |



**Acessórios em PEAD de soldadura topo a topo**
**TRBE**


Tê de redução a 90º

| DxD     | código       | €      | €      | €      | €      |
|---------|--------------|--------|--------|--------|--------|
|         |              | PN-10  | PN-16  | PN-20  | PN-25  |
| 90x50   | TRBE.090.050 | 15,80  | 17,30  |        |        |
| 90x63   | TRBE.090.063 | 15,80  | 17,30  |        |        |
| 110x50  | TRBE.110.050 | 23,30  | 26,60  |        |        |
| 110x63  | TRBE.110.063 | 23,30  | 25,60  |        |        |
| 110x90  | TRBE.110.090 | 23,30  | 25,60  | 53,10  | 56,10  |
| 125x63  | TRBE.125.063 | 35,20  | 38,70  | 83,40  | 84,90  |
| 125x90  | TRBE.125.090 | 35,20  | 38,70  | 83,40  | 84,90  |
| 140x63  | TRBE.140.063 | 51,40  | 56,50  |        |        |
| 140x90  | TRBE.140.090 | 51,40  | 56,50  |        |        |
| 160x63  | TRBE.140.063 | 65,30  | 71,70  |        |        |
| 160x90  | TRBE.160.090 | 65,30  | 71,70  |        |        |
| 160x110 | TRBE.160.110 | 65,30  | 71,70  | 159,30 |        |
| 160x125 | TRBE.160.125 | 65,30  | 71,70  |        |        |
| 180x63  | TRBE.180.063 | 87,60  | 96,30  |        |        |
| 180x90  | TRBE.180.090 | 87,60  | 96,30  |        |        |
| 180x110 | TRBE.180.110 | 87,60  | 96,30  |        |        |
| 180x125 | TRBE.180.125 | 87,60  | 96,30  |        |        |
| 200x63  | TRBE.200.063 | 129,30 | 142,00 |        |        |
| 200x90  | TRBE.200.090 | 129,30 | 142,00 |        |        |
| 200x110 | TRBE.200.110 | 129,30 | 142,00 |        |        |
| 200x125 | TRBE.200.125 | 129,30 | 142,00 |        |        |
| 200x160 | TRBE.200.160 | 129,30 | 142,00 |        |        |
| 200x180 | TRBE.200.180 | 129,30 | 142,00 |        | 364,00 |



**Acessórios em PEAD de soldadura topo a topo**

**TRBE**

Tê de redução a 90º

| DxD     | código       | €        | €        | €        | €        |
|---------|--------------|----------|----------|----------|----------|
|         |              | PN-10    | PN-16    | PN-20    | PN-25    |
| 225x90  | TRBE.225.090 | 155,60   | 170,90   |          |          |
| 225x110 | TRBE.225.110 |          |          | 443,70   | 448,20   |
| 225x125 | TRBE.225.125 | 155,60   | 170,90   |          |          |
| 225x160 | TRBE.225.160 | 155,60   | 170,90   |          |          |
| 225x180 | TRBE.225.180 | 155,60   | 170,90   |          |          |
| 250x110 | TRBE.250.110 | 253,90   | 279,10   | 730,30   |          |
| 250x125 | TRBE.250.125 | 253,90   | 279,10   |          |          |
| 250x160 | TRBE.250.160 | 253,90   | 279,10   | 730,30   | 736,40   |
| 250x180 | TRBE.250.180 | 253,90   | 279,10   |          |          |
| 250x200 | TRBE.250.200 | 253,90   | 279,10   |          |          |
| 280x110 | TRBE.280.110 | 336,00   | 369,80   | 1.016,20 | 1.023,80 |
| 280x225 | TRBE.280.225 | 336,00   | 376,80   | 1.016,20 | 1.023,80 |
| 315x110 | TRBE.315.110 | 439,10   | 483,10   | 1.061,70 | 1.071,60 |
| 315x125 | TRBE.315.125 | 439,10   | 483,10   |          |          |
| 315x160 | TRBE.315.160 | 439,10   | 483,10   | 1.061,70 | 1.071,60 |
| 315x180 | TRBE.315.180 | 439,10   | 483,10   |          |          |
| 315x200 | TRBE.315.200 | 439,10   | 483,10   | 1.061,70 | 1.071,60 |
| 315x225 | TRBE.315.225 | 439,10   | 483,10   | 1.061,70 | 1.071,60 |
| 355x110 | TRBE.315.110 | 779,50   | 1.036,40 |          |          |
| 355x160 | TRBE.355.160 | 779,50   | 1.036,40 | 1.297,70 | 1.516,70 |
| 355x225 | TRBE.355.225 | 779,50   | 1.036,40 |          |          |
| 355x250 | TRBE.355.250 | 779,50   |          |          |          |
| 400x110 | TRBE.400.110 | 1.194,90 | 1.442,60 | 1.803,20 | 1.912,80 |
| 400x160 | TRBE.400.160 | 1.194,90 | 1.442,60 | 1.803,20 | 1.912,80 |
| 400x225 | TRBE.400.225 | 1.194,90 | 1.442,60 | 1.803,20 | 1.912,80 |
| 450x160 | TRBE.450.160 | 1.532,80 | 1.893,40 | 2.558,20 | 2.949,20 |
| 450x225 | TRBE.450.225 | 1.532,80 | 1.893,40 | 2.558,20 | 2.949,20 |
| 450x315 | TRBE.450.315 | 1.532,80 | 1.893,40 | 2.558,20 | 2.919,20 |
| 500x160 | TRBE.500.160 | 2.127,70 | 2.614,70 |          |          |
| 500x250 | TRBE.500.250 | 2.127,80 | 2.614,70 | 3.648,60 | 3.943,50 |
| 500x315 | TRBE.500.315 | 2.127,70 | 2.614,70 |          |          |
| 560x250 | TRBE.560.250 | 2.614,70 | 3.426,10 |          |          |
| 630x160 | TRBE.630.160 | 3.606,40 | 4.688,40 |          |          |
| 630x250 | TRBE.630.250 | 3.606,40 | 4.688,40 |          |          |

**Acessórios em PEAD de soldadura topo a topo**

**TRBLE**

Tê de redução a 90º manipulado

| DxD     | código        | €      | €      | €      | €      |
|---------|---------------|--------|--------|--------|--------|
|         |               | PN-10  | PN-16  | PN-20  | PN-25  |
| 50x25   | TRBLE.050.025 |        | 10,00  |        | 20,20  |
| 50x32   | TRBLE.050.032 |        | 10,00  |        | 20,20  |
| 50x40   | TRBLE.050.040 |        | 10,00  |        | 20,20  |
| 63x25   | TRBLE.063.025 |        | 12,70  |        | 25,70  |
| 63x32   | TRBLE.063.032 |        | 12,70  |        | 25,70  |
| 63x40   | TRBLE.063.040 |        | 12,70  |        | 25,70  |
| 63x50   | TRBLE.063.050 |        | 12,70  |        | 25,70  |
| 75x32   | TRBLE.075.032 |        | 16,90  |        | 35,30  |
| 75x40   | TRBLE.075.040 |        | 16,90  |        | 35,30  |
| 75x50   | TRBLE.075.050 |        | 16,90  |        | 35,30  |
| 75x63   | TRBLE.075.063 |        | 16,90  |        | 35,30  |
| 90x50   | TRBLE.090.050 |        |        |        | 46,50  |
| 90x63   | TRBLE.090.063 |        |        |        | 46,50  |
| 90x75   | TRBLE.090.075 |        |        |        | 72,20  |
| 110x50  | TRBLE.110.050 |        |        | 69,10  | 72,20  |
| 110x63  | TRBLE.110.063 |        |        | 69,10  | 72,20  |
| 110x75  | TRBLE.110.075 | 32,70  | 35,60  | 69,10  | 72,20  |
| 110x90  | TRBLE.110.090 |        |        | 69,10  | 110,70 |
| 125x63  | TRBLE.125.063 |        |        | 105,90 | 110,70 |
| 125x75  | TRBLE.125.075 | 48,60  | 53,00  | 105,90 | 110,70 |
| 125x90  | TRBLE.125.090 |        |        | 105,90 | 110,70 |
| 125x110 | TRBLE.125.110 | 48,60  | 53,00  | 105,90 | 110,70 |
| 140x90  | TRBLE.140.090 |        |        | 152,70 | 159,70 |
| 140x110 | TRBLE.140.110 | 72,10  | 78,10  | 152,70 | 159,70 |
| 140x125 | TRBLE.140.125 | 72,10  | 78,10  | 152,70 | 159,70 |
| 160x90  | TRBLE.160.090 |        |        | 199,50 | 208,60 |
| 160x110 | TRBLE.160.110 |        |        | 199,50 | 208,60 |
| 160x125 | TRBLE.160.125 |        |        | 199,50 | 208,60 |
| 160x140 | TRBLE.160.140 | 90,60  | 98,40  | 199,50 | 208,60 |
| 180x125 | TRBLE.180.125 |        |        | 325,40 | 340,20 |
| 180x140 | TRBLE.180.140 | 116,70 | 127,00 | 325,40 | 340,20 |
| 180x160 | TRBLE.180.160 | 116,70 | 127,00 | 325,40 | 340,20 |

**Acessórios em PEAD de soldadura topo a topo**

**TRBLE**

Tê de redução a 90º manipulado

| DxD     | código        | €        | €        | €        | €      |
|---------|---------------|----------|----------|----------|--------|
|         |               | PN-10    | PN-16    | PN-20    | PN-25  |
| 200x140 | TRBLE.200.140 | 159,60   | 137,70   | 429,80   | 390,70 |
| 200x180 | TRBLE.200.180 |          |          | 429,80   | 390,70 |
| 225x110 | TRBLE.225.110 | 204,10   | 221,90   |          |        |
| 225x200 | TRBLE.225.200 | 204,10   | 221,90   | 529,60   | 481,40 |
| 250x200 | TRBLE.250.200 |          |          | 832,70   | 757,70 |
| 250x225 | TRBLE.250.225 | 308,40   | 335,60   | 832,70   | 757,70 |
| 280x110 | TRBLE.280.110 |          | 379,50   |          |        |
| 280x200 | TRBLE.280.200 | 476,50   | 517,70   | 1.043,80 | 948,90 |
| 280x225 | TRBLE.280.225 | 476,50   | 517,70   | 1.073,80 | 948,90 |
| 280x250 | TRBLE.280.250 | 476,50   | 517,70   | 1.043,80 | 948,90 |
| 315x225 | TRBLE.315.225 |          |          | 1.066,80 | 969,80 |
| 315x250 | TRBLE.315.250 | 517,70   | 562,40   | 1.066,80 | 969,80 |
| 315x280 | TRBLE.315.280 | 517,70   | 562,40   | 1.066,80 | 969,80 |
| 355x250 | TRBLE.355.250 |          | 1.031,80 |          |        |
| 355x280 | TRBLE.355.280 | 801,60   | 1.031,80 |          |        |
| 355x315 | TRBLE.355.315 | 801,60   | 1.031,80 |          |        |
| 400x280 | TRBLE.400.280 | 1.253,50 | 1.526,40 |          |        |
| 400x315 | TRBLE.400.315 | 1.253,50 | 1.526,40 |          |        |
| 400x355 | TRBLE.400.355 | 1.253,50 | 1.536,40 |          |        |
| 450x355 | TRBLE.450.355 | 1.637,30 | 2.046,60 |          |        |
| 450x400 | TRBLE.450.400 | 1.637,30 | 2.046,60 |          |        |
| 500x355 | TRBLE.500.355 | 2.239,90 | 2.873,70 |          |        |
| 500x400 | TRBLE.500.400 | 2.239,90 | 2.873,70 |          |        |
| 500x450 | TRBLE.500.450 | 2.239,90 | 2.873,70 |          |        |
| 560x400 | TRBLE.560.400 | 2.899,30 | 3.581,50 |          |        |
| 560x450 | TRBLE.560.450 | 2.865,20 | 3.851,50 |          |        |
| 560x500 | TRBLE.560.500 | 2.865,20 | 3.851,50 |          |        |
| 630x450 | TRBLE.630.450 | 3.876,10 | 4.775,30 |          |        |
| 630x500 | TRBLE.630.500 | 3.876,10 | 4.775,30 |          |        |
| 630x560 | TRBLE.630.560 | 3.876,10 | 4.775,30 |          |        |



**Acessórios em PEAD de soldadura topo a topo**

**CRBE**

Cruzeta simples a 90º

| D   | código    | €        | €        | €     | €        |
|-----|-----------|----------|----------|-------|----------|
|     |           | PN-10    | PN-16    | PN-20 | PN-25    |
| 63  | CRBE.063  | 17,90    | 20,00    |       | 29,30    |
| 75  | CRBE.075  | 26,80    | 29,90    |       | 46,00    |
| 90  | CRBE.090  | 41,40    | 46,00    |       | 66,80    |
| 110 | CRBE.110  | 62,20    | 69,10    |       | 99,80    |
| 125 | CRBE.125  | 93,60    | 103,60   |       | 165,00   |
| 140 | CRBE.140. | 138,10   | 153,50   |       | 231,80   |
| 160 | CRBE.160  | 158,10   | 174,20   |       | 314,70   |
| 180 | CRBE.180  | 192,60   | 213,30   |       | 529,60   |
| 200 | CRBE.200  | 286,30   | 314,70   |       | 713,70   |
| 225 | CRBE.225  | 345,30   | 360,70   |       | 921,00   |
| 250 | CRBE.250  | 564,10   | 629,30   |       | 1.442,80 |
| 280 | CRBE.280  | 874,90   | 967,00   |       | 1.995,40 |
| 315 | CRBE.315  | 905,60   | 990,00   |       | 2.379,10 |
| 355 | CRBE.355  | 1.364,40 | 1.662,90 |       |          |


**CRRBE**

Cruzeta de redução a 90º

| DxD    | código        | €     | €      | €     | €     |
|--------|---------------|-------|--------|-------|-------|
|        |               | PN-10 | PN-16  | PN-20 | PN-25 |
| 125x90 | CRRBE.125.090 |       | 107,50 |       |       |



**Acessórios em PEAD de soldadura topo a topo**

**YBE**

Forquilha simples 45º

| D   | código  | €      | €      | €     | €     |
|-----|---------|--------|--------|-------|-------|
|     |         | PN-10  | PN-16  | PN-20 | PN-25 |
| 63  | YBE.063 | 13,80  | 15,40  |       |       |
| 75  | YBE.075 | 23,00  | 24,60  |       |       |
| 90  | YBE.090 | 26,80  | 29,90  |       |       |
| 110 | YBE.110 | 40,70  | 44,50  |       |       |
| 125 | YBE.125 | 68,30  | 75,20  |       |       |
| 140 | YBE.140 | 99,80  | 111,30 |       |       |
| 160 | YBE.160 | 129,70 | 142,70 |       |       |


**HYBE**

Forquilha longa

| DxD   | código       | €     | €     | €     | €     |
|-------|--------------|-------|-------|-------|-------|
|       |              | PN-10 | PN-16 | PN-20 | PN-25 |
| 32x25 | HBYE.032.025 |       | 23,00 |       |       |
| 40x32 | HBYE.040.032 |       | 26,80 |       |       |
| 50x40 | HBYE.050.040 |       | 16,90 |       |       |



**Acessórios em PEAD de soldadura topo a topo**

**GBE**

Joelho simples a 90º

| D   | código  | €      |          |          |          |
|-----|---------|--------|----------|----------|----------|
|     |         | PN-10  | PN-16    | PN-20    | PN-25    |
| 20  | GBE.020 |        | 3,00     |          |          |
| 25  | GBE.025 |        | 3,00     |          | 5,80     |
| 32  | GBE.032 |        | 3,00     |          | 6,20     |
| 40  | GBE.040 |        | 3,40     |          | 6,50     |
| 50  | GBE.050 |        | 3,60     |          | 9,30     |
| 63  | GBE.063 | 5,40   | 4,90     | 13,70    | 14,00    |
| 75  | GBE.075 | 7,40   | 6,60     | 19,90    | 20,90    |
| 90  | GBE.090 | 9,50   | 9,10     | 29,90    | 31,10    |
| 110 | GBE.110 | 17,80  | 21,60    | 47,00    | 47,80    |
| 125 | GBE.125 | 25,30  | 30,60    | 90,30    | 94,00    |
| 140 | GBE.140 | 34,80  | 42,10    | 114,50   | 119,10   |
| 160 | GBE.160 | 38,10  | 46,30    | 141,10   | 149,90   |
| 180 | GBE.180 | 46,40  | 66,00    | 188,10   | 195,70   |
| 200 | GBE.200 | 64,60  | 86,80    | 222,20   | 231,30   |
| 225 | GBE.225 | 123,70 | 160,80   | 452,00   | 470,20   |
| 250 | GBE.250 | 123,70 | 160,80   | 452,00   | 470,20   |
| 280 | GBE.280 | 263,50 | 320,00   | 625,20   | 678,00   |
| 315 | GBE.315 | 271,60 | 329,10   | 750,80   | 780,40   |
| 355 | GBE.355 | 541,30 | 808,90   | 1.348,20 | 1.415,60 |
| 400 | GBE.400 | 786,00 | 1.221,80 | 1.853,80 | 1.921,20 |



**Acessórios em PEAD de soldadura topo a topo**

**HBE**

Joelho simples a 45º

| D   | código  | €      | €      | €        | €        |
|-----|---------|--------|--------|----------|----------|
|     |         | PN-10  | PN-16  | PN-20    | PN-25    |
| 20  | HBE.020 |        | 3,70   |          |          |
| 25  | HBE.025 |        | 3,90   |          |          |
| 32  | HBE.032 |        | 4,10   |          |          |
| 40  | HBE.040 |        | 3,00   |          | 7,20     |
| 50  | HBE.050 |        | 3,90   |          | 10,00    |
| 63  | HBE.063 | 5,40   | 5,90   | 13,10    | 13,70    |
| 75  | HBE.075 | 7,10   | 7,70   | 18,10    | 19,00    |
| 90  | HBE.090 | 9,00   | 9,80   | 26,10    | 27,30    |
| 110 | HBE.110 | 17,40  | 19,10  | 43,40    | 45,50    |
| 125 | HBE.125 | 25,00  | 27,60  | 92,50    | 97,10    |
| 140 | HBE.140 | 31,70  | 34,90  | 117,60   | 123,60   |
| 160 | HBE.160 | 37,00  | 40,70  | 136,50   | 142,60   |
| 180 | HBE.180 | 43,60  | 47,90  | 196,40   | 206,30   |
| 200 | HBE.200 | 59,40  | 65,40  | 207,10   | 216,90   |
| 225 | HBE.225 | 76,70  | 84,10  | 286,70   | 300,30   |
| 250 | HBE.250 | 106,10 | 116,80 | 379,20   | 397,40   |
| 280 | HBE.280 | 222,90 | 244,90 | 580,90   | 609,00   |
| 315 | HBE.315 | 230,90 | 252,90 | 666,60   | 697,70   |
| 355 | HBE.355 | 393,00 | 548,70 | 969,00   | 1.011,20 |
| 400 | HBE.400 | 541,30 | 778,60 | 1.390,30 | 1.432,50 |



**Acessórios em PEAD de soldadura topo a topo**

**RBE**

Redução longa

| DxD    | código      | €     |       |       |       |
|--------|-------------|-------|-------|-------|-------|
|        |             | PN-10 | PN-16 | PN-20 | PN-25 |
| 25x20  | RBE.025.020 |       | 3,80  |       |       |
| 32x20  | RBE.032.020 |       | 3,80  |       |       |
| 32x25  | RBE.032.025 |       | 3,80  |       |       |
| 40x20  | RBE.040.020 |       | 3,80  |       |       |
| 40x25  | RBE.040.025 |       | 3,80  |       | 8,40  |
| 40x32  | RBE.040.032 |       | 3,80  |       | 8,40  |
| 50x25  | RBE.050.025 |       | 3,80  |       | 8,40  |
| 50x32  | RBE.050.032 |       | 3,80  |       | 8,40  |
| 50x40  | RBE.050.040 |       | 3,80  |       | 8,40  |
| 63x25  | RBE.063.025 |       | 4,30  |       | 10,60 |
| 63x32  | RBE.063.032 |       | 4,30  |       | 10,60 |
| 63x40  | RBE.063.040 |       | 4,30  |       | 10,60 |
| 63x50  | RBE.063.050 |       | 4,30  |       | 10,60 |
| 75x32  | RBE.075.032 |       | 5,20  |       | 13,30 |
| 75x40  | RBE.075.040 |       | 5,20  |       | 13,30 |
| 75x50  | RBE.075.050 |       | 5,20  |       | 13,30 |
| 75x63  | RBE.075.063 |       | 5,20  |       | 13,30 |
| 90x50  | RBE.090.050 |       | 7,00  |       | 17,50 |
| 90x63  | RBE.090.063 |       | 7,00  |       | 17,50 |
| 90x75  | RBE.090.075 |       | 7,00  |       | 17,50 |
| 110x50 | RBE.110.050 | 8,30  | 9,30  | 22,20 | 23,30 |
| 110x63 | RBE.110.063 | 8,30  | 9,30  | 22,20 | 23,30 |
| 110x75 | RBE.110.075 | 8,30  | 9,30  | 22,20 | 23,30 |
| 110x90 | RBE.110.090 | 8,30  | 9,30  | 22,20 | 23,30 |



**Acessórios em PEAD de soldadura topo a topo**

**RBE**

Redução longa

| DxD     | código      | €      | €      | €      | €      |
|---------|-------------|--------|--------|--------|--------|
|         |             | PN-10  | PN-16  | PN-20  | PN-25  |
| 125x63  | RBE.125.063 | 12,30  | 13,10  | 31,30  | 32,80  |
| 125x75  | RBE.125.075 | 12,30  | 13,10  | 31,30  | 32,80  |
| 125x90  | RBE.125.090 | 12,30  | 13,10  | 31,30  | 32,80  |
| 125x110 | RBE.125.110 | 12,30  | 13,10  | 31,30  | 32,80  |
| 140x90  | RBE.140.090 | 19,10  | 20,30  | 49,20  | 51,40  |
| 140x110 | RBE.140.110 | 19,10  | 20,30  | 49,20  | 51,40  |
| 140x125 | RBE.140.125 | 19,10  | 20,30  | 49,20  | 51,40  |
| 160x90  | RBE.160.090 | 23,10  | 24,60  | 55,30  | 57,90  |
| 160x110 | RBE.160.110 | 23,10  | 24,60  | 55,30  | 57,90  |
| 160x125 | RBE.160.125 | 23,10  | 24,60  | 55,30  | 57,90  |
| 160x140 | RBE.160.140 | 23,10  | 24,60  | 55,30  | 57,90  |
| 180x63  | RBE.180.063 | 26,70  | 28,40  |        |        |
| 180x110 | RBE.180.110 | 26,70  | 28,40  |        |        |
| 180x125 | RBE.180.125 | 26,70  | 28,40  | 70,10  | 73,40  |
| 180x140 | RBE.180.140 | 26,70  | 28,40  | 70,10  | 73,40  |
| 180x160 | RBE.180.160 | 26,70  | 28,40  | 70,10  | 73,40  |
| 200x90  | RBE.200.090 | 34,90  | 37,30  |        |        |
| 200x140 | RBE.200.140 | 34,90  | 37,30  | 92,90  | 97,10  |
| 200x160 | RBE.200.160 | 34,90  | 37,30  | 92,90  | 97,10  |
| 200x180 | RBE.200.180 | 34,90  | 37,30  | 92,90  | 97,10  |
| 225x110 | RBE.225.110 | 47,40  | 50,90  | 111,90 |        |
| 225x160 | RBE.225.160 | 47,40  | 50,90  | 111,90 | 116,80 |
| 225x180 | RBE.225.180 | 47,40  | 50,90  | 111,90 | 116,80 |
| 225x200 | RBE.225.200 | 47,40  | 50,90  | 111,90 | 116,80 |
| 250x180 | RBE.250.180 | 63,70  | 72,20  |        |        |
| 250x200 | RBE.250.200 | 63,70  | 72,20  |        |        |
| 250x225 | RBE.250.225 | 63,70  | 72,20  |        |        |
| 315x225 | RBE.315.225 | 113,50 | 118,60 |        |        |
| 315x250 | RBE.315.250 | 113,50 | 118,60 |        |        |



**Acessórios em PEAD de soldadura topo a topo**

**RBLE**

Redução curta

| DxD         | código         | €    | €        | €        | €      |
|-------------|----------------|------|----------|----------|--------|
|             |                | PN-6 | PN-10    | PN-16    | PN-20  |
|             |                |      |          |          | PN-25  |
| 250x160     | RBLE.250.160   |      | 45,90    | 53,50    | 107,70 |
| 250x180     | RBLE.250.180   |      | 45,90    | 53,50    | 107,70 |
| 250x200     | RBLE.250.200   |      | 45,90    | 53,50    | 107,70 |
| 250x225     | RBLE.250.225   |      | 45,90    | 53,50    | 107,70 |
| 280x200     | RBLE.280.200   |      | 53,50    | 64,20    | 127,40 |
| 280x225     | RBLE.280.225   |      | 53,50    | 64,20    | 127,40 |
| 280x250     | RBLE.280.250   |      | 53,50    | 64,20    | 127,40 |
| 315x225     | RBLE.315.225   |      | 56,60    | 68,00    | 139,50 |
| 315x250     | RBLE.315.250   |      | 56,60    | 68,00    | 139,50 |
| 315x280     | RBLE.315.280   |      | 56,60    | 68,00    | 139,50 |
| 355x225     | RBLE.355.225   |      | 76,40    | 92,50    |        |
| 355x250     | RBLE.355.250   |      | 76,40    | 92,50    | 230,10 |
| 355x280     | RBLE.355.280   |      | 76,40    | 92,50    | 230,10 |
| 355x315     | RBLE.355.315   |      | 76,40    | 92,50    | 230,10 |
| 400x280     | RBLE.400.280   |      | 140,10   | 176,70   | 460,10 |
| 400x315     | RBLE.400.315   |      | 140,10   | 176,70   | 460,10 |
| 400x355     | RBLE.400.355   |      | 140,10   | 176,70   | 460,10 |
| 450x315     | RBLE.450.315   |      | 221,60   | 280,30   | 480,30 |
| 450x355     | RBLE.450.355   |      | 221,60   | 280,30   | 480,30 |
| 450x400     | RBLE.450.400   |      | 221,60   | 280,30   | 480,30 |
| 500x355     | RBLE.500.355   |      | 347,80   | 414,50   | 589,90 |
| 500x400     | RBLE.500.400   |      | 347,80   | 414,50   | 589,90 |
| 500x450     | RBLE.500.450   |      | 347,80   | 414,50   |        |
| 560x400     | RBLE.560.400   |      | 398,80   | 535,50   | 834,20 |
| 560x450     | RBLE.560.450   |      | 399,20   | 535,50   | 834,20 |
| 560x500     | RBLE.560.500   |      | 399,20   | 535,50   |        |
| 630x450     | RBLE.630.450   |      | 526,60   | 662,50   |        |
| 630x500     | RBLE.630.500   |      | 526,60   | 662,50   | 926,90 |
| 630x560     | RBLE.630.560   |      | 526,60   | 662,50   |        |
| 710x560     | RBLE.710.560   |      | 756,00   | 1.095,70 |        |
| 710x630     | RBLE.710.630   |      | 756,00   | 1.095,70 |        |
| 800x710     | RBLE.800.710   |      | 1.019,20 | 1.213,40 |        |
| 900x800     | RBLE.900.800   |      | 1.443,90 | 1.617,80 |        |
| 1.000x900   | RBLE.1000.900  |      | 2.463,20 | 2.507,70 |        |
| 1.200x1.000 | RBLE.1200.1000 |      | 5.945,60 |          |        |

**Acessórios em PEAD de soldadura topo a topo**

**QBE**

Colarinho longo

| D   | código  | €      | €      | €      | €      |
|-----|---------|--------|--------|--------|--------|
|     |         | PN-10  | PN-16  | PN-20  | PN-25  |
| 20  | QBE.020 |        | 3,40   |        |        |
| 25  | QBE.025 |        | 3,40   |        | 7,70   |
| 32  | QBE.032 |        | 3,40   |        | 8,00   |
| 40  | QBE.040 |        | 3,80   |        | 8,50   |
| 50  | QBE.050 |        | 4,10   |        | 8,90   |
| 63  | QBE.063 | 3,90   | 4,40   | 9,90   | 9,40   |
| 75  | QBE.075 | 5,00   | 5,50   | 11,50  | 11,00  |
| 90  | QBE.090 | 6,50   | 7,20   | 15,20  | 14,50  |
| 110 | QBE.110 | 8,60   | 9,90   | 19,60  | 18,70  |
| 125 | QBE.125 | 9,60   | 10,20  | 24,00  | 22,90  |
| 140 | QBE.140 | 12,60  | 13,00  | 29,70  | 28,40  |
| 160 | QBE.160 | 15,00  | 16,70  | 35,30  | 33,80  |
| 180 | QBE.180 | 24,60  | 26,60  | 51,50  | 49,20  |
| 200 | QBE.200 | 29,30  | 31,10  | 67,40  | 64,50  |
| 225 | QBE.225 | 31,40  | 33,40  | 91,00  | 100,10 |
| 250 | QBE.250 | 47,80  | 51,20  | 113,80 | 125,10 |
| 280 | QBE.280 | 69,60  | 75,10  | 159,30 | 175,20 |
| 315 | QBE.315 | 149,40 | 185,80 |        |        |
| 355 | QBE.355 | 149,40 | 185,80 |        |        |
| 400 | QBE.400 | 304,90 | 329,90 | 522,40 |        |



**Acessórios em PEAD de soldadura topo a topo**

**QBLE**

Colarinho curto

| D     | código    | €        | €        | €        | €      |
|-------|-----------|----------|----------|----------|--------|
|       |           | PN-6     | PN-10    | PN-16    | PN-20  |
| 63    | QBLE.063  |          | 3,90     | 4,00     |        |
| 75    | QBLE.075  |          | 4,70     | 4,70     |        |
| 90    | QBLE.090  |          | 6,30     | 6,60     |        |
| 110   | QBLE.110  |          | 7,40     | 7,90     |        |
| 125   | QBLE.125  |          | 8,70     | 9,30     |        |
| 140   | QBLE.140  |          | 11,20    | 12,00    |        |
| 160   | QBLE.160  | 12,70    | 13,30    | 14,00    |        |
| 180   | QBLE.180  | 21,10    | 22,10    | 23,30    |        |
| 200   | QBLE.200  | 25,90    | 27,00    | 28,80    |        |
| 225   | QBLE.225  | 27,90    | 29,10    | 30,90    |        |
| 250   | QBLE.250  | 36,10    | 37,70    | 39,90    |        |
| 280   | QBLE.280  | 38,00    | 43,00    | 48,40    | 125,10 |
| 315   | QBLE.315  | 45,50    | 51,20    | 63,30    | 139,50 |
| 355   | QBLE.355  | 64,50    | 85,70    | 96,10    | 198,00 |
| 400   | QBLE.400  | 121,30   | 142,60   | 182,40   | 374,10 |
| 450   | QBLE.450  | 172,20   | 225,20   | 289,20   | 589,90 |
| 500   | QBLE.500  | 182,00   | 233,60   | 293,60   | 640,40 |
| 560   | QBLE.560  | 235,10   | 325,40   | 375,20   |        |
| 630   | QBLE.630  | 246,50   | 371,20   | 424,10   |        |
| 710   | QBLE.710  | 364,00   | 483,80   | 783,00   |        |
| 800   | QBLE.800  | 529,30   | 675,70   | 1.223,50 |        |
| 900   | QBLE.900  | 652,20   | 917,60   | 1.779,60 |        |
| 1.000 | QBLE.1000 | 796,30   | 1.409,80 | 2.298,70 |        |
| 1.200 | QBLE.1200 | 1.334,70 | 2.919,70 | 4.078,30 |        |



**Acessórios em PEAD de soldadura topo a topo**

**CBE**

Tampão longo

| D   | código  | €      | €      | €      | €      |
|-----|---------|--------|--------|--------|--------|
|     |         | PN-10  | PN-16  | PN-20  | PN-25  |
| 20  | CBE.020 |        | 2,60   |        |        |
| 25  | CBE.025 |        | 2,60   |        | 4,50   |
| 32  | CBE.032 |        | 3,40   |        | 6,10   |
| 40  | CBE.040 |        | 4,00   |        | 7,20   |
| 50  | CBE.050 |        | 4,70   |        | 8,30   |
| 63  | CBE.063 | 5,10   | 5,50   | 10,00  | 10,60  |
| 75  | CBE.075 | 5,90   | 6,30   | 14,70  | 15,60  |
| 90  | CBE.090 | 7,20   | 7,80   | 23,80  | 25,20  |
| 110 | CBE.110 | 10,80  | 11,70  | 31,70  | 33,70  |
| 125 | CBE.125 | 12,10  | 13,20  | 34,20  | 36,20  |
| 140 | CBE.140 | 19,80  | 21,40  | 50,80  | 53,90  |
| 160 | CBE.160 | 20,20  | 22,00  | 54,10  | 57,30  |
| 180 | CBE.180 | 24,40  | 26,40  | 71,40  | 75,40  |
| 200 | CBE.200 | 39,60  | 43,20  | 79,40  | 84,10  |
| 225 | CBE.225 | 49,20  | 53,60  | 96,10  | 101,40 |
| 250 | CDE.250 | 53,60  | 58,00  | 106,80 | 112,80 |
| 280 | CBE.315 | 68,10  | 74,20  | 162,20 | 171,50 |
| 315 | CBE.355 | 121,50 | 132,10 | 223,60 | 236,90 |


**CBLE**

Tampão curto

| D   | código   | €      | €        | €     | €     |
|-----|----------|--------|----------|-------|-------|
|     |          | PN-10  | PN-16    | PN-20 | PN-25 |
| 355 | CBLE.355 | 170,50 | 233,60   |       |       |
| 400 | CBLE.400 | 259,50 | 341,10   |       |       |
| 450 | CBLE.450 | 333,70 | 489,40   |       |       |
| 500 | CBLE.500 | 437,50 | 556,10   |       |       |
| 560 | CBLE.560 | 556,10 | 778,60   |       |       |
| 630 | CBLE.630 | 926,90 | 1.075,20 |       |       |

**Flanges**
**ODS**


Flange livre em zincado aço

| DxDN        | código   | €      | €      | €     | €     |
|-------------|----------|--------|--------|-------|-------|
|             |          | PN-10  | PN-16  | PN-20 | PN-25 |
| 25x20       | ODS.025  |        |        |       |       |
| 32x25       | ODS.032  |        |        |       |       |
| 40x32       | ODS.040  |        |        |       |       |
| 50x40       | ODS.050  | 7,20   | 7,20   |       |       |
| 63x50       | ODS.063  | 8,30   | 8,30   |       |       |
| 75x65       | ODS.075  | 9,30   | 9,30   |       |       |
| 90x80       | ODS.090  | 12,30  | 12,30  |       |       |
| 110x100     | ODS.110  | 15,50  | 15,50  |       |       |
| 125x100     | ODS.125  | 17,10  | 17,10  |       |       |
| 140x125     | ODS.140  | 22,20  | 22,20  |       |       |
| 160x150     | ODS.160  | 25,10  | 25,10  |       |       |
| 180x150     | ODS.180  | 25,10  | 25,10  |       |       |
| 200x200     | ODS.200  | 42,60  | 43,60  |       |       |
| 225x200     | ODS.225  | 42,60  | 43,60  |       |       |
| 250x250     | ODS.250  | 45,50  | 47,60  |       |       |
| 280x250     | ODS.280  | 45,50  | 47,60  |       |       |
| 315x300     | ODS.315  | 55,90  | 59,50  |       |       |
| 355x350     | ODS.355  | 71,90  |        |       |       |
| 400x400     | ODS.400  | 94,60  | 105,60 |       |       |
| 450x500     | ODS.450  | 189,30 | 211,90 |       |       |
| 500x500     | ODS.500  | 189,30 | 211,90 |       |       |
| 560x600     | ODS.560  | 207,10 |        |       |       |
| 630x600     | ODS.630  | 207,10 |        |       |       |
| 710x700     | ODS.710  |        |        |       |       |
| 800x800     | ODS.800  |        |        |       |       |
| 900x900     | ODS.900  |        |        |       |       |
| 1.000x1.000 | ODS.1000 |        |        |       |       |
| 1.200x1.200 | ODS.1200 |        |        |       |       |

**Flanges**

**ODB**

Flange livre em PP com alma de aço

| DxDN    | código  | €      | €      | €     | €     |
|---------|---------|--------|--------|-------|-------|
|         |         | PN-10  | PN-16  | PN-20 | PN-25 |
| 50x40   | ODB.050 | 14,20  | 14,20  |       |       |
| 63x50   | ODB.063 | 14,20  | 14,20  |       |       |
| 75x65   | ODB.075 | 18,20  | 18,20  |       |       |
| 90x80   | ODB.090 | 18,70  | 18,70  |       |       |
| 110x100 | ODB.110 | 23,10  | 23,10  |       |       |
| 125x100 | ODB.125 | 29,90  | 29,90  |       |       |
| 140x125 | ODB.140 | 31,00  | 31,00  |       |       |
| 160x150 | ODB.160 | 32,70  | 32,70  |       |       |
| 180x150 | ODB.180 | 32,70  | 32,70  |       |       |
| 200x200 | ODB.200 | 52,60  | 60,50  |       |       |
| 225x200 | ODB.225 | 52,60  | 60,50  |       |       |
| 250x250 | ODB.250 | 71,80  | 83,60  |       |       |
| 280x250 | ODB.280 | 71,80  | 83,60  |       |       |
| 315x300 | ODB.315 | 87,40  | 116,40 |       |       |
| 355x350 | ODB.355 | 242,40 | 269,30 |       |       |
| 400x400 | ODB.400 | 191,10 | 228,70 |       |       |
| 450x500 | ODB.450 | 251,90 |        |       |       |
| 500x500 | ODB.500 | 251,90 |        |       |       |

## Juntas planas e transições


**GQP**

O´ring plano

| DxDN        | código   | €             |
|-------------|----------|---------------|
| 25x20       | GQP.025  |               |
| 32x25       | GQP.032  | <b>1,16</b>   |
| 40x32       | GQP.040  | <b>1,04</b>   |
| 50x40       | GQP.050  | <b>1,08</b>   |
| 63x50       | GQP.063  | <b>1,16</b>   |
| 75x65       | GQP.075  | <b>1,28</b>   |
| 90x80       | GQP.090  | <b>1,52</b>   |
| 110x100     | GQP.110  | <b>1,76</b>   |
| 125x100     | GQP.125  | <b>2,00</b>   |
| 140x125     | GQP.140  | <b>2,00</b>   |
| 160x150     | GQP.160  | <b>2,36</b>   |
| 180x150     | GQP.180  | <b>2,36</b>   |
| 200x200     | GQP.200  | <b>4,72</b>   |
| 225x200     | GQP.225  | <b>5,36</b>   |
| 250x250     | GQP.250  | <b>5,36</b>   |
| 280x250     | GQP.280  | <b>8,40</b>   |
| 315x300     | GQP.315  | <b>8,40</b>   |
| 355x350     | GQP.355  | <b>12,38</b>  |
| 400x400     | GQP.400  | <b>13,92</b>  |
| 450x500     | GQP.450  | <b>16,64</b>  |
| 500x500     | GQP.500  | <b>16,92</b>  |
| 560x600     | GQP.560  | <b>21,12</b>  |
| 630x600     | GQP.630  | <b>21,12</b>  |
| 710x700     | GQP.710  | <b>26,08</b>  |
| 800x800     | GQP.800  | <b>33,32</b>  |
| 900x900     | GQP.900  | <b>38,92</b>  |
| 1.000x1.000 | GQP.1000 | <b>112,84</b> |
| 1.200x1.200 | GQP.1200 | <b>112,84</b> |


**KTMEE**

 Acessório de transição  
 PE/Latão de roscar macho

| DxR          | código          | €             |
|--------------|-----------------|---------------|
| <b>PN-16</b> |                 |               |
| 20x1/2"      | KTBE ME.020.012 | <b>9,90</b>   |
| 25x3/4"      | KTBE ME.025.034 | <b>10,90</b>  |
| 32x1"        | KTBE ME.032.100 | <b>14,60</b>  |
| 40x1.1/4"    | KTBE ME.040.114 | <b>19,10</b>  |
| 50x1.1/2"    | KTBE ME.050.115 | <b>23,90</b>  |
| 63x2"        | KTBE ME.063.200 | <b>32,10</b>  |
| 75x2.1/2"    | KTBE ME.075.212 | <b>61,60</b>  |
| 90x3"        | KTBE ME.090.300 | <b>86,80</b>  |
| 110x4"       | KTBE ME.110.400 | <b>114,20</b> |


**KTFFEE**

 Acessório de transição  
 PE/Latão de roscar fêmea

| DxR          | código          | €             |
|--------------|-----------------|---------------|
| <b>PN-16</b> |                 |               |
| 20x1/2"      | KTBE FE.020.012 | <b>9,90</b>   |
| 25x3/4"      | KTBE FE.025.034 | <b>11,00</b>  |
| 32x1"        | KTBE FE.032.100 | <b>14,40</b>  |
| 40x1.1/4"    | KTBE FE.040.114 | <b>19,10</b>  |
| 50x1.1/2"    | KTBE FE.050.115 | <b>25,30</b>  |
| 63x2"        | KTBE FE.063.200 | <b>32,10</b>  |
| 75x2.1/2"    | KTBE FE.075.212 | <b>50,40</b>  |
| 90x3"        | KTBE FE.090.300 | <b>65,30</b>  |
| 110x4"       | KTBE FE.110.400 | <b>100,10</b> |

**Acessórios em PEAD de electrofusão**

**MEE**

União simples

| D     | código   | €        | €        | €        |
|-------|----------|----------|----------|----------|
|       |          | PN-6     | PN-10    | PN-16    |
| 20    | MEE.020  |          |          | 2,70     |
| 25    | MEE.025  |          |          | 2,80     |
| 32    | MEE.032  |          |          | 2,90     |
| 40    | MEE.050  |          |          | 3,10     |
| 50    | MEE.050  |          |          | 4,40     |
| 63    | MEE.063  |          |          | 4,70     |
| 75    | MEE.075  |          |          | 7,40     |
| 90    | MEE.090  |          | 7,20     | 7,90     |
| 110   | MEE.110  | 8,70     | 9,00     | 9,90     |
| 125   | MEE.125  | 12,30    | 12,60    | 14,00    |
| 140   | MEE.140  | 15,20    | 15,70    | 17,40    |
| 160   | MEE.160  | 15,40    | 18,50    | 19,50    |
| 180   | MEE.180  | 21,70    | 25,60    | 27,00    |
| 200   | MEE.200  | 24,70    | 27,20    | 33,70    |
| 225   | MEE.225  | 30,40    | 35,90    | 40,70    |
| 250   | MEE.250  | 52,90    | 54,40    | 62,80    |
| 280   | MEE.315  | 62,80    | 72,30    | 89,70    |
| 315   | MEE.355  | 72,50    | 86,50    | 102,80   |
| 355   | MEE.355  | 135,80   | 182,60   | 205,70   |
| 400   | MEE.400  | 157,00   | 226,40   | 272,50   |
| 450   | MEE.450  | 203,00   | 357,80   | 382,40   |
| 500   | MEE.500  | 252,70   | 423,60   | 582,80   |
| 560   | MEE.560  | 350,50   | 496,60   | 796,00   |
| 630   | MEE.630  | 419,90   | 679,20   | 1.453,30 |
| 710   | MEE.710  | 1.095,40 | 2.030,20 | 2.482,90 |
| 800   | MEE.800  | 1.553,60 | 2.862,70 | 3.213,20 |
| 900   | MEE.900  | 2.373,40 | 3.286,30 | 6.426,40 |
| 1.000 | MEE.1000 | 2.848,10 | 4.235,60 |          |
| 1.200 | MEE.1200 |          |          |          |
| 1.400 | MEE.1400 |          |          |          |

**Acessórios em PEAD de electrofusão**

**GEE**

Joelho simples a 90º

| D            | código  | €             |
|--------------|---------|---------------|
| <b>PN-16</b> |         |               |
| 20           | GEE.020 | <b>9,50</b>   |
| 25           | GEE.025 | <b>9,50</b>   |
| 32           | GEE.032 | <b>9,50</b>   |
| 40           | GEE.040 | <b>10,30</b>  |
| 50           | GEE.050 | <b>12,80</b>  |
| 63           | GEE.063 | <b>13,30</b>  |
| 75           | GEE.075 | <b>19,10</b>  |
| 90           | GEE.090 | <b>19,80</b>  |
| 110          | GEE.110 | <b>26,90</b>  |
| 125          | GEE.125 | <b>38,10</b>  |
| 140          | GEE.140 | <b>59,80</b>  |
| 160          | GEE.160 | <b>66,30</b>  |
| 180          | GEE.180 | <b>89,20</b>  |
| 200          | GEE.200 | <b>130,50</b> |
| 225          | GEE.225 | <b>162,10</b> |
| 250          | GEE.250 | <b>282,80</b> |
| 315          | GEE.315 | <b>424,10</b> |


**HE45E**

Joelho simples a 45º

| D            | código     | €             |
|--------------|------------|---------------|
| <b>PN-16</b> |            |               |
| 20           | HIE45E.032 | <b>13,00</b>  |
| 25           | HIE45E.025 | <b>13,00</b>  |
| 32           | HIE45E.032 | <b>9,50</b>   |
| 40           | HIE45E.040 | <b>10,30</b>  |
| 50           | HIE45E.050 | <b>12,80</b>  |
| 63           | HIE45E.063 | <b>13,30</b>  |
| 75           | HIE45E.075 | <b>19,10</b>  |
| 90           | HIE45E.090 | <b>19,80</b>  |
| 110          | HIE45E.110 | <b>26,90</b>  |
| 125          | HIE45E.125 | <b>38,10</b>  |
| 140          | HIE45E.140 | <b>59,80</b>  |
| 160          | HIE45E.160 | <b>66,30</b>  |
| 180          | HIE45E.180 | <b>89,20</b>  |
| 200          | HIE45E.200 | <b>130,50</b> |
| 225          | HIE45E.225 | <b>162,10</b> |
| 250          | HIE45E.250 | <b>266,40</b> |
| 315          | HIE45E.315 | <b>402,40</b> |


**HE1125E**

Joelho simples a 11,25º

| D            | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 90           | HIE1125E.090 | <b>22,80</b>  |
| 125          | HIE1125E.125 | <b>46,80</b>  |
| 180          | HIE1125E.180 | <b>102,80</b> |
| 250          | HIE1125E.250 | <b>337,20</b> |
| 315          | HIE1125E.315 | <b>511,10</b> |


**HE2250E**

Joelho simples a 22,50º

| D            | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 90           | HIE2250E.090 | <b>22,80</b>  |
| 125          | HIE2250E.125 | <b>46,80</b>  |
| 180          | HIE2250E.180 | <b>102,80</b> |
| 250          | HIE2250E.250 | <b>337,20</b> |
| 315          | HIE2250E.315 | <b>511,10</b> |



**Acessórios em PEAD de electrofusão**

**TEE**

Tê simples a 90º

| D            | código  | €             |
|--------------|---------|---------------|
| <b>PN-16</b> |         |               |
| 20           | TEE.020 | <b>9,00</b>   |
| 25           | TEE.025 | <b>9,00</b>   |
| 32           | TEE.032 | <b>9,10</b>   |
| 40           | TEE.040 | <b>10,90</b>  |
| 50           | TEE.050 | <b>12,80</b>  |
| 63           | TEE.063 | <b>13,90</b>  |
| 75           | TEE.075 | <b>21,20</b>  |
| 90           | TEE.090 | <b>23,40</b>  |
| 110          | TEE.110 | <b>32,30</b>  |
| 125          | TEE.125 | <b>45,10</b>  |
| 140          | TEE.140 | <b>75,60</b>  |
| 160          | TEE.160 | <b>78,90</b>  |
| 180          | TEE.180 | <b>116,90</b> |
| 200          | TEE.200 | <b>168,60</b> |
| 225          | TEE.225 | <b>212,10</b> |
| 250          | TEE.250 | <b>350,70</b> |
| 315          | TEE.315 | <b>527,50</b> |


**TREE**

Tê de redução a 90º

| DxD          | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 90x63        | TREE.090.063 | <b>26,60</b>  |
| 90x75        | TREE.090.075 | <b>26,60</b>  |
| 110x63       | TREE.110.063 | <b>35,40</b>  |
| 125x63       | TREE.125.063 | <b>49,00</b>  |
| 125x90       | TREE.125.090 | <b>49,00</b>  |
| 140x110      | TREE.140.110 | <b>81,60</b>  |
| 160x110      | TREE.160.110 | <b>86,50</b>  |
| 180x90       | TREE.180.090 | <b>127,80</b> |
| 180x125      | TREE.180.125 | <b>127,80</b> |
| 200x90       | TREE.200.090 | <b>190,30</b> |
| 200x125      | TREE.200.125 | <b>190,30</b> |
| 200x180      | TREE.200.180 | <b>190,30</b> |
| 225x110      | TREE.225.110 | <b>228,40</b> |
| 225x160      | TREE.225.160 | <b>228,40</b> |
| 250x125      | TREE.250.125 | <b>391,50</b> |
| 250x180      | TREE.250.180 | <b>391,50</b> |
| 315x125      | TREE.315.125 | <b>560,10</b> |
| 315x180      | TREE.315.180 | <b>560,10</b> |



**Acessórios em PEAD de electrofusão**

**REE**

Redução

| DxD          | código      | €             |
|--------------|-------------|---------------|
| <b>PN-16</b> |             |               |
| 25x20        | REE.025.020 | <b>6,10</b>   |
| 32x20        | REE.032.020 | <b>7,20</b>   |
| 32x25        | REE.032.025 | <b>7,20</b>   |
| 40x20        | REE.040.020 |               |
| 40x25        | REE.040.025 | <b>8,10</b>   |
| 40x32        | REE.040.032 | <b>8,10</b>   |
| 50x25        | REE.050.025 | <b>8,60</b>   |
| 50x32        | REE.050.032 | <b>8,60</b>   |
| 50x40        | REE.050.040 | <b>8,60</b>   |
| 63x25        | REE.063.025 |               |
| 63x32        | REE.063.032 | <b>9,40</b>   |
| 63x40        | REE.063.040 | <b>9,40</b>   |
| 63x50        | REE.063.050 | <b>9,40</b>   |
| 75x50        | REE.075.050 | <b>13,30</b>  |
| 75x63        | REE.075.063 | <b>13,30</b>  |
| 90x50        | REE.090.050 | <b>14,50</b>  |
| 90x63        | REE.090.063 | <b>14,50</b>  |
| 90x75        | REE.090.075 | <b>14,50</b>  |
| 110x63       | REE.110.063 | <b>19,50</b>  |
| 110x75       | REE.110.075 | <b>19,50</b>  |
| 110x90       | REE.110.090 | <b>19,50</b>  |
| 125x63       | REE.125.063 | <b>31,70</b>  |
| 125x90       | REE.125.090 | <b>31,70</b>  |
| 125x110      | REE.125.110 | <b>31,70</b>  |
| 140x90       | REE.140.090 | <b>37,80</b>  |
| 160x90       | REE.160.090 | <b>41,70</b>  |
| 160x110      | REE.160.110 | <b>41,70</b>  |
| 160x125      | REE.160.125 | <b>41,70</b>  |
| 180x90       | REE.180.090 | <b>60,60</b>  |
| 180x125      | REE.180.125 | <b>60,60</b>  |
| 180x140      | REE.180.140 | <b>60,60</b>  |
| 180x160      | REE.180.160 | <b>60,60</b>  |
| 200x160      | REE.200.160 | <b>60,60</b>  |
| 200x180      | REE.200.180 | <b>89,00</b>  |
| 200x160      | REE.200.160 | <b>89,00</b>  |
| 225x160      | REE.225.160 | <b>119,60</b> |
| 250x180      | REE.250.180 | <b>200,20</b> |
| 315x200      | REE.315.200 | <b>350,40</b> |


**CEE**

Tampão

| D            | código  | €             |
|--------------|---------|---------------|
| <b>PN-16</b> |         |               |
| 20           | CEE.020 | <b>6,50</b>   |
| 25           | CEE.025 | <b>6,50</b>   |
| 32           | CEE.032 | <b>6,50</b>   |
| 40           | CEE.040 | <b>7,30</b>   |
| 50           | CEE.050 | <b>9,30</b>   |
| 63           | CEE.063 | <b>10,20</b>  |
| 75           | CEE.075 | <b>14,00</b>  |
| 90           | CEE.090 | <b>15,90</b>  |
| 110          | CEE.110 | <b>21,70</b>  |
| 125          | CEE.125 | <b>27,50</b>  |
| 140          | CEE.140 | <b>38,60</b>  |
| 160          | CEE.160 | <b>41,60</b>  |
| 180          | CEE.180 | <b>53,50</b>  |
| 200          | CEE.200 | <b>76,10</b>  |
| 225          | CEE.225 | <b>93,00</b>  |
| 250          | CEE.250 | <b>121,30</b> |
| 280          | CEE.280 | <b>169,10</b> |
| 315          | CEE.315 | <b>233,80</b> |



**Acessórios em PEAD de electrofusão**
**KEME**


União de transição macho PE/Latão

| DxR          | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 20x1/2"      | KEME.020.012 | <b>12,60</b>  |
| 25x3/4"      | KEME.025.034 | <b>13,70</b>  |
| 32x1"        | KEME.032.100 | <b>16,70</b>  |
| 40x1.1/4"    | KEME.040.114 | <b>21,30</b>  |
| 50x1.1/2"    | KEME.050.115 | <b>28,90</b>  |
| 63x2"        | KEME.063.200 | <b>34,00</b>  |
| 75x2.1/2"    | KEME.075.212 | <b>69,90</b>  |
| 90x3"        | KEME.090.300 | <b>89,30</b>  |
| 110x4"       | KEME.110.400 | <b>119,40</b> |

**KEFE**


União de transição fêmea PE/Latão

| DxR          | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 20x1/2"      | KEFE.020.012 | <b>12,60</b>  |
| 25x3/4"      | KEFE.025.034 | <b>13,80</b>  |
| 32x1"        | KEFE.032.100 | <b>17,10</b>  |
| 40x1.1/4"    | KEFE.040.114 | <b>21,30</b>  |
| 50x1.1/2"    | KEFE.050.115 | <b>28,90</b>  |
| 63x2"        | KEFE.063.200 | <b>34,00</b>  |
| 75x2.1/2"    | KEFE.075.212 | <b>56,30</b>  |
| 90x3"        | KEFE.090.300 | <b>71,11</b>  |
| 110x4"       | KEFE.110.400 | <b>106,30</b> |

**GMEE**


Joelho a 90º de transição macho PE/Latão

| DxR          | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 20x1/2"      | GEEE.020.012 | <b>21,10</b>  |
| 25x3/4"      | GEEE.025.034 | <b>22,70</b>  |
| 32x1"        | GEEE.032.100 | <b>25,70</b>  |
| 40x1.1/4"    | GEEE.040.114 | <b>31,50</b>  |
| 50x1.1/2"    | GEEE.050.115 | <b>40,90</b>  |
| 63x2"        | GEEE.063.200 | <b>48,20</b>  |
| 75x2.1/2"    | GEEE.075.212 | <b>87,80</b>  |
| 90x3"        | GEEE.090.300 | <b>107,20</b> |
| 110x4"       | GEEE.110.400 | <b>146,70</b> |

**GFEE**


Joelho a 90º de transição fêmea PE/Latão

| DxR          | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 20x1/2"      | GFEE.020.012 | <b>22,10</b>  |
| 25x3/4"      | GFEE.025.034 | <b>22,70</b>  |
| 32x1"        | GFEE.032.100 | <b>25,70</b>  |
| 40x1.1/4"    | GFEE.040.114 | <b>31,50</b>  |
| 50x1.1/2"    | GFEE.050.115 | <b>40,90</b>  |
| 63x2"        | GFEE.063.200 | <b>48,20</b>  |
| 75x2.1/2"    | GFEE.075.212 | <b>73,90</b>  |
| 90x3"        | GFEE.090.300 | <b>89,30</b>  |
| 110x4"       | GFEE.110.400 | <b>133,60</b> |

**HMEE**


Joelho a 45º de transição macho PE/Latão

| DxR          | código        | €             |
|--------------|---------------|---------------|
| <b>PN-16</b> |               |               |
| 20x1/2"      | HMEE.020.012  |               |
| 25x3/4"      | HMEE .025.034 |               |
| 32x1"        | HMEE .032.100 | <b>25,60</b>  |
| 40x1.1/4"    | HMEE .040.114 | <b>31,30</b>  |
| 50x1.1/2"    | HMEE .050.115 | <b>40,90</b>  |
| 63x2"        | HMEE .063.200 | <b>48,20</b>  |
| 75x2.1/2"    | HMEE .075.212 | <b>87,50</b>  |
| 90x3"        | HMEE .090.300 | <b>107,50</b> |
| 110x4"       | HMEE .110.400 | <b>146,70</b> |

**HFEE**


Joelho a 45º de transição fêmea PE/Latão

| DxR          | código        | €             |
|--------------|---------------|---------------|
| <b>PN-16</b> |               |               |
| 20x1/2"      | HFEE.020.012  |               |
| 25x3/4"      | HFEE .025.034 |               |
| 32x1"        | HFEE .032.100 | <b>25,60</b>  |
| 40x1.1/4"    | HFEE .040.114 | <b>31,30</b>  |
| 50x1.1/2"    | HFEE .050.115 | <b>40,90</b>  |
| 63x2"        | HFEE .063.200 | <b>48,20</b>  |
| 75x2.1/2"    | HFEE .075.212 | <b>87,50</b>  |
| 90x3"        | HFEE .090.300 | <b>107,50</b> |
| 110x4"       | HFEE .110.400 | <b>146,70</b> |

**Acessórios em PEAD de electrofusão**

**BTCE**

Tomada em carga

| DxD          | código       | €            |
|--------------|--------------|--------------|
| <b>PN-16</b> |              |              |
| 40x20        | BTCE.050.020 | <b>22,50</b> |
| 50x20        | BTCE.050.020 | <b>22,80</b> |
| 63x20        | BTCE.063.020 | <b>23,60</b> |
| 75x20        | BTCE.075.020 | <b>24,50</b> |
| 90x20        | BTCE.090.020 | <b>25,30</b> |
| 110x20       | BTCE.110.020 | <b>26,40</b> |
| 125x20       | BTCE.125.020 | <b>26,70</b> |
| 140x20       | BTCE.140.020 | <b>30,60</b> |
| 160x20       | BTCE.160.020 | <b>30,90</b> |
| 180x20       | BTCE.180.020 | <b>34,50</b> |
| 200x20       | BTCE.200.020 | <b>34,80</b> |
| 225x20       | BTCE.225.020 | <b>45,00</b> |
| 250x20       | BTCE.250.020 | <b>59,50</b> |
| 280x20       | BTCE.280.020 | <b>68,90</b> |
| 315x20       | BTCE.315.020 | <b>84,50</b> |
| 40x25        | BTCE.040.025 | <b>22,80</b> |
| 50x25        | BTCE.050.025 | <b>23,10</b> |
| 63x25        | BTCE.063.025 | <b>23,60</b> |
| 75x25        | BTCE.075.025 | <b>24,50</b> |
| 90x25        | BTCE.090.025 | <b>25,30</b> |
| 110x25       | BTCE.110.025 | <b>26,40</b> |
| 125x25       | BTCE.125.025 | <b>26,70</b> |
| 140x25       | BTCE.140.025 | <b>30,60</b> |
| 160x25       | BTCE.160.025 | <b>30,90</b> |
| 180x25       | BTCE.180.025 | <b>34,50</b> |
| 200x25       | BTCE.200.025 | <b>34,80</b> |
| 225x25       | BTCE.225.025 | <b>45,00</b> |
| 250x25       | BTCE.250.025 | <b>59,50</b> |
| 280x25       | BTCE.280.025 | <b>68,90</b> |
| 315x25       | BTCE.315.025 | <b>84,50</b> |
| 40x32        | BTCE.040.032 | <b>22,80</b> |
| 50x32        | BTCE.050.032 | <b>23,10</b> |
| 63x32        | BTCE.063.032 | <b>23,40</b> |
| 75x32        | BTCE.075.032 | <b>24,50</b> |
| 90x32        | BTCE.090.032 | <b>25,30</b> |
| 110x32       | BTCE.110.032 | <b>24,60</b> |
| 125x32       | BTCE.125.032 | <b>26,70</b> |
| 140x32       | BTCE.140.032 | <b>30,60</b> |
| 160x32       | BTCE.160.032 | <b>30,90</b> |
| 180x32       | BTCE.180.032 | <b>34,50</b> |
| 200x32       | BTCE.200.032 | <b>34,80</b> |
| 225x32       | BTCE.225.032 | <b>45,00</b> |


**BTCE**

Tomada em carga

| DxD          | código       | €             |
|--------------|--------------|---------------|
| <b>PN-16</b> |              |               |
| 250x32       | BTCE.250.032 | <b>59,50</b>  |
| 280x32       | BTCE.280.032 | <b>68,90</b>  |
| 315x32       | BTCE.315.032 | <b>84,50</b>  |
| 63x40        | BTCE.063.040 | <b>42,00</b>  |
| 75x40        | BTCE.075.040 | <b>43,40</b>  |
| 90x40        | BTCE.090.040 | <b>43,90</b>  |
| 110x40       | BTCE.110.040 | <b>46,10</b>  |
| 125x40       | BTCE.125.040 | <b>47,80</b>  |
| 140x40       | BTCE.140.040 | <b>48,10</b>  |
| 160x40       | BTCE.160.040 | <b>48,90</b>  |
| 180x40       | BTCE.180.040 | <b>55,30</b>  |
| 200x40       | BTCE.200.040 | <b>56,70</b>  |
| 225x40       | BTCE.225.040 | <b>61,20</b>  |
| 250x40       | BTCE.250.040 | <b>74,80</b>  |
| 280x40       | BTCE.280.040 | <b>93,40</b>  |
| 315x40       | BTCE.315.040 | <b>105,10</b> |
| 63x50        | BTCE.063.050 | <b>42,50</b>  |
| 75x50        | BTCE.075.050 | <b>43,40</b>  |
| 90x50        | BTCE.090.050 | <b>43,90</b>  |
| 110x50       | BTCE.110.050 | <b>46,10</b>  |
| 125x50       | BTCE.125.050 | <b>47,80</b>  |
| 140x50       | BTCE.140.050 | <b>48,40</b>  |
| 160x50       | BTCE.160.050 | <b>48,90</b>  |
| 180x50       | BTCE.180.050 | <b>55,60</b>  |
| 200x50       | BTCE.200.050 | <b>56,70</b>  |
| 225x50       | BTCE.225.050 | <b>61,20</b>  |
| 250x50       | BTCE.250.050 | <b>79,00</b>  |
| 280x50       | BTCE.280.050 | <b>93,40</b>  |
| 315x50       | BTCE.315.050 | <b>105,10</b> |
| 63x63        | BTCE.063.063 | <b>42,00</b>  |
| 75x63        | BTCE.075.063 | <b>43,40</b>  |
| 90x63        | BTCE.090.063 | <b>43,90</b>  |
| 110x63       | BTCE.110.063 | <b>46,10</b>  |
| 125x63       | BTCE.125.063 | <b>47,80</b>  |
| 140x63       | BTCE.140.063 | <b>48,10</b>  |
| 160x63       | BTCE.160.063 | <b>48,90</b>  |
| 180x63       | BTCE.180.063 | <b>55,60</b>  |
| 200x63       | BTCE.200.063 | <b>56,70</b>  |
| 225x63       | BTCE.225.063 | <b>61,20</b>  |
| 250x63       | BTCE.250.063 | <b>79,00</b>  |
| 280x63       | BTCE.280.063 | <b>93,40</b>  |
| 315x63       | BTCE.315.063 | <b>105,10</b> |

**Acessórios em PEAD de electrofusão**

**BTCSE**

Braçadeira simples

| DxD          | código        | €            |
|--------------|---------------|--------------|
| <b>PN-16</b> |               |              |
| 40x20        | BTCSE.040.020 | <b>15,90</b> |
| 50x20        | BTCSE.050.020 | <b>15,90</b> |
| 63x20        | BTCSE.063.020 | <b>16,60</b> |
| 75x20        | BTCSE.075.020 | <b>17,10</b> |
| 90x20        | BTCSE.090.020 | <b>17,50</b> |
| 110x20       | BTCSE.110.020 | <b>18,50</b> |
| 125x20       | BTCSE.125.020 | <b>19,60</b> |
| 140x20       | BTCSE.140.020 | <b>21,70</b> |
| 160x20       | BTCSE.160.020 | <b>21,70</b> |
| 180x20       | BTCSE.180.020 | <b>25,90</b> |
| 200x20       | BTCSE.200.020 | <b>26,20</b> |
| 225x20       | BTCSE.225.020 | <b>27,60</b> |
| 250x20       | BTCSE.250.020 | <b>41,50</b> |
| 280x20       | BTCSE.280.020 | <b>47,70</b> |
| 315x20       | BTCSE.315.020 | <b>54,00</b> |
| 40x25        | BTCSE.040.025 | <b>15,90</b> |
| 50x25        | BTCSE.050.025 | <b>15,90</b> |
| 63x25        | BTCSE.063.025 | <b>16,60</b> |
| 75x25        | BTCSE.075.025 | <b>17,10</b> |
| 90x25        | BTCSE.090.025 | <b>17,50</b> |
| 110x25       | BTCSE.110.025 | <b>18,50</b> |
| 125x25       | BTCSE.125.025 | <b>19,60</b> |
| 140x25       | BTCSE.140.025 | <b>21,70</b> |
| 160x25       | BTCSE.160.025 | <b>21,70</b> |
| 180x25       | BTCSE.180.025 | <b>25,90</b> |
| 200x25       | BTCSE.200.025 | <b>26,20</b> |
| 225x25       | BTCSE.225.025 | <b>27,60</b> |
| 250x25       | BTCSE.250.025 | <b>41,50</b> |
| 280x25       | BTCSE.280.025 | <b>47,70</b> |
| 315x25       | BTCSE.315.025 | <b>54,00</b> |
| 40x32        | BTCSE.040.032 | <b>15,90</b> |
| 50x32        | BTCSE.050.032 | <b>15,90</b> |
| 63x32        | BTCSE.063.032 | <b>16,60</b> |
| 75x32        | BTCSE.075.032 | <b>17,10</b> |
| 90x32        | BTCSE.090.032 | <b>17,50</b> |
| 110x32       | BTCSE.110.032 | <b>18,50</b> |
| 125x32       | BTCSE.125.032 | <b>19,60</b> |
| 140x32       | BTCSE.140.032 | <b>21,70</b> |
| 160x32       | BTCSE.160.032 | <b>21,70</b> |
| 180x32       | BTCSE.180.032 | <b>25,90</b> |
| 200x32       | BTCSE.200.032 | <b>26,20</b> |
| 225x32       | BTCSE.225.032 | <b>27,60</b> |


**BTCSE**

Braçadeira simples

| DxD          | código            | €            |
|--------------|-------------------|--------------|
| <b>PN-16</b> |                   |              |
| 250x32       | BTCSE.250.032     | <b>41,50</b> |
| 280x32       | BTCSE.280.032     | <b>47,70</b> |
| 315x32       | BTCSE.315.032     | <b>54,00</b> |
| 50x40        | BTCSE.050.040     | <b>15,90</b> |
| 63x40        | BTCSE.063.040     | <b>16,60</b> |
| 75x40        | BTCSE.075.040     | <b>17,10</b> |
| 90x40        | BTCSE.090.040     | <b>17,50</b> |
| 110x40       | BTCSE.110.040     | <b>18,50</b> |
| 125x40       | BTCSE.125.040     | <b>19,60</b> |
| 140x40       | BTCSE.140.040     | <b>21,70</b> |
| 160x40       | BTCSE.160.040     | <b>21,70</b> |
| 180x40       | BTCSE.180.040     | <b>25,90</b> |
| 200x40       | BTCSE.200.040     | <b>26,20</b> |
| 225x40       | BTCSE.225.040     | <b>27,60</b> |
| 250x40       | BTCSE.250.040     | <b>41,50</b> |
| 280x40       | BTCSE.280.040     | <b>47,70</b> |
| 315x40       | BTCSE.315.040     | <b>54,00</b> |
| 63x50        | BTCSE.063.050     | <b>16,60</b> |
| 75x50        | BTCSE.075.050     | <b>17,10</b> |
| 90x50        | BTCSE.090.050     | <b>17,50</b> |
| 110x50       | BTCSE.110.050     | <b>18,50</b> |
| 125x50       | BTCSE.125.050     | <b>19,60</b> |
| 140x50       | BTCSE.140.050     | <b>21,70</b> |
| 160x50       | BTCSE.160.050     | <b>21,70</b> |
| 180x50       | BTCSE.180.050     | <b>25,60</b> |
| 200x50       | BTCSE.200.050     | <b>26,20</b> |
| 225x50       | BTCSE.225.050     | <b>27,60</b> |
| 250x50       | BTCSE.250.050     | <b>41,50</b> |
| 280x50       | BTCSE.280.050     | <b>47,70</b> |
| 315x50       | BTCSE.315.050     | <b>54,00</b> |
| 63x63        | BTCSE.063.063     | <b>16,60</b> |
| 75x63        | BTCSE.075.063     | <b>17,10</b> |
| 90x63        | BTCSE.090.063     | <b>17,50</b> |
| 110x63       | BTCSE.110.063     | <b>18,50</b> |
| 125x63       | BTCSE.125.063     | <b>19,60</b> |
| 140x63       | BTCSE.140.063     | <b>21,70</b> |
| 160x63       | BTCSE.160.063     | <b>21,70</b> |
| 180x63       | BTCSE.180.063     | <b>25,90</b> |
| 200x63       | BTCSE.200.063     | <b>26,20</b> |
| 225/280x63   | BTCSE.225-280.063 | <b>41,20</b> |
| 315/450x63   | BTCSE.315-450.063 | <b>63,20</b> |

**Acessórios em PEAD de electrofusão**

**BTCSE**

Braçadeira simples

| DxD        | código            | €             |
|------------|-------------------|---------------|
|            |                   | <b>PN-16</b>  |
| 110x75     | BTCSE.110.075     | <b>58,40</b>  |
| 125x75     | BTCSE.125.075     | <b>61,20</b>  |
| 140x75     | BTCSE.140.075     | <b>64,00</b>  |
| 160x75     | BTCSE.160.075     | <b>66,70</b>  |
| 180x75     | BTCSE.180.075     | <b>69,50</b>  |
| 200x75     | BTCSE.200.075     | <b>72,30</b>  |
| 225/280x75 | BTCSE.225-280.075 | <b>77,90</b>  |
| 315/450x75 | BTCSE.315-450.075 | <b>133,50</b> |
| 500/900x75 | BTCSE.500-900.075 | <b>723,00</b> |
| 90x90      | BTCSE.090.090     | <b>54,50</b>  |
| 110x90     | BTCSE.110.090     | <b>58,40</b>  |
| 125x90     | BTCSE.125.090     | <b>61,20</b>  |
| 140x90     | BTCSE.140.090     | <b>64,00</b>  |
| 160x90     | BTCSE.160.090     | <b>66,70</b>  |
| 180x90     | BTCSE.180.090     | <b>69,50</b>  |
| 200x90     | BTCSE.200.090     | <b>75,10</b>  |
| 225/280x90 | BTCSE.225-280.090 | <b>77,90</b>  |
| 315/450x90 | BTCSE.315-450.090 | <b>133,50</b> |
| 500/900x90 | BTCSE.500-900.090 | <b>723,00</b> |



## BTCVE

Braçadeira com válvula

| DxD          | código        | €             |
|--------------|---------------|---------------|
| <b>PN-16</b> |               |               |
| 63x20        | BTCVE.063.020 | <b>144,60</b> |
| 75x20        | BTCVE.075.020 | <b>147,40</b> |
| 90x20        | BTCVE.090.020 | <b>150,20</b> |
| 110x20       | BTCVE.110.020 | <b>157,70</b> |
| 125x20       | BTCVE.125.020 | <b>161,30</b> |
| 140x20       | BTCVE.140.020 |               |
| 160x20       | BTCVE.160.020 | <b>172,40</b> |
| 180x20       | BTCVE.180.020 | <b>178,00</b> |
| 200x20       | BTCVE.200.020 | <b>180,80</b> |
| 225x20       | BTCVE.225.020 | <b>186,30</b> |
| 250x20       | BTCVE.250.020 | <b>191,90</b> |
| 280x20       | BTCVE.280.020 | <b>211,30</b> |
| 315x20       | BTCVE.315.020 | <b>222,50</b> |
| 63x25        | BTCVE.063.025 | <b>144,60</b> |
| 75x25        | BTCVE.075.025 | <b>147,40</b> |
| 90x25        | BTCVE.090.025 | <b>150,20</b> |
| 110x25       | BTCVE.110.025 | <b>155,70</b> |
| 125x25       | BTCVE.125.025 | <b>161,30</b> |
| 140x25       | BTCVE.140.025 |               |
| 160x25       | BTCVE.160.025 | <b>172,40</b> |
| 180x25       | BTCVE.180.025 | <b>178,00</b> |
| 200x25       | BTCVE.200.025 | <b>180,80</b> |
| 225x25       | BTCVE.225.025 | <b>186,30</b> |
| 250x25       | BTCVE.250.025 | <b>191,90</b> |
| 280x25       | BTCVE.280.025 | <b>211,30</b> |
| 315x25       | BTCVE.315.025 | <b>222,50</b> |
| 63x32        | BTCVE.063.032 | <b>144,60</b> |
| 75x32        | BTCVE.075.032 | <b>147,40</b> |
| 90x32        | BTCVE.090.032 | <b>150,20</b> |
| 110x32       | BTCVE.110.032 | <b>155,70</b> |
| 125x32       | BTCVE.125.032 | <b>161,30</b> |
| 140x32       | BTCVE.140.032 |               |
| 160x32       | BTCVE.160.032 | <b>172,40</b> |
| 180x32       | BTCVE.180.032 | <b>178,00</b> |
| 200x32       | BTCVE.200.032 | <b>180,80</b> |
| 225x32       | BTCVE.225.032 | <b>186,30</b> |
| 250x32       | BTCVE.250.032 | <b>191,90</b> |
| 280x32       | BTCVE.280.032 | <b>211,30</b> |
| 315x32       | BTCVE.315.032 | <b>222,50</b> |



## BTCVE

Braçadeira com válvula

| DxD          | código        | €             |
|--------------|---------------|---------------|
| <b>PN-16</b> |               |               |
| 90x40        | BTCVE.090.040 | <b>164,10</b> |
| 110x40       | BTCVE.110.040 | <b>172,40</b> |
| 125x40       | BTCVE.125.040 | <b>178,00</b> |
| 140x40       | BTCVE.140.040 |               |
| 160x40       | BTCVE.160.040 | <b>178,00</b> |
| 180x40       | BTCVE.180.040 | <b>183,50</b> |
| 200x40       | BTCVE.200.040 | <b>189,10</b> |
| 225x40       | BTCVE.225.040 | <b>203,00</b> |
| 250x40       | BTCVE.250.040 | <b>211,30</b> |
| 280x40       | BTCVE.280.040 | <b>233,60</b> |
| 315x40       | BTCVE.315.040 | <b>244,70</b> |
| 90x50        | BTCVE.090.050 | <b>172,40</b> |
| 110x50       | BTCVE.110.050 | <b>178,00</b> |
| 125x50       | BTCVE.125.050 | <b>191,90</b> |
| 140x50       | BTCVE.140.050 |               |
| 160x50       | BTCVE.160.050 | <b>194,60</b> |
| 180x50       | BTCVE.180.050 | <b>200,20</b> |
| 200x50       | BTCVE.200.050 | <b>205,80</b> |
| 225x50       | BTCVE.225.050 | <b>214,10</b> |
| 250x50       | BTCVE.250.050 | <b>222,50</b> |
| 280x50       | BTCVE.280.050 | <b>244,70</b> |
| 315x50       | BTCVE.315.050 | <b>255,80</b> |
| 90x63        | BTCVE.090.063 | <b>183,50</b> |
| 110x63       | BTCVE.110.063 | <b>189,10</b> |
| 125x63       | BTCVE.125.063 | <b>194,60</b> |
| 140x63       | BTCVE.140.063 |               |
| 160x63       | BTCVE.160.063 | <b>211,30</b> |
| 180x63       | BTCVE.180.063 | <b>216,90</b> |
| 200x63       | BTCVE.200.063 | <b>222,50</b> |
| 225x63       | BTCVE.225.063 | <b>225,20</b> |
| 250x63       | BTCVE.250.063 | <b>233,60</b> |
| 280x63       | BTCVE.280.063 | <b>255,80</b> |
| 315x63       | BTCVE.315.063 | <b>266,90</b> |



**Acessórios em PEAD de electrofusão**

**BTCSGVE**

 Braçadeira simples  
de grande volume

| DxD           | código               | €               |
|---------------|----------------------|-----------------|
| <b>PN-16</b>  |                      |                 |
| 125x110       | BTCSGVE.125.110      | <b>61,20</b>    |
| 160x110       | BTCSGVE.160.110      | <b>66,70</b>    |
| 180x110       | BTCSGVE.180.110      | <b>69,50</b>    |
| 200/225x110   | BTCSGVE.200-225.110  | <b>89,00</b>    |
| 250/280x110   | BTCSGVE.250-280.110  | <b>111,20</b>   |
| 315/400x110   | BTCSGVE.315-400.110  | <b>178,00</b>   |
| 450/500x110   | BTCSGVE.450-500.110  | <b>420,60</b>   |
| 560/630x110   | BTCSGVE.560-630.110  | <b>578,40</b>   |
| 710/800x110   | BTCSGVE.710-800.110  | <b>1.018,70</b> |
| 900/1.000x110 | BTCSGVE.900-1000.110 | <b>1.084,50</b> |
| 160x125       | BTCSGVE.160.125      | <b>66,70</b>    |
| 180x125       | BTCSGVE.180.125      | <b>69,50</b>    |
| 200/225x125   | BTCSGVE.200-225.125  | <b>89,00</b>    |
| 250/280x125   | BTCSGVE.250-280.125  | <b>112,20</b>   |
| 315/400x125   | BTCSGVE.315-400.125  | <b>178,00</b>   |
| 450/500x125   | BTCSGVE.450-500.125  | <b>420,60</b>   |
| 560/630x125   | BTCSGVE.560-630.125  | <b>578,40</b>   |
| 710/800x125   | BTCSGVE.710-800.125  | <b>1.018,70</b> |
| 900/1.000x125 | BTCSGVE.900-1000.125 | <b>1.084,50</b> |
| 315/400x160   | BTCSGVE.315-400.160  | <b>189,10</b>   |
| 450/500x160   | BTCSGVE.450-500.160  | <b>433,80</b>   |
| 560/630x160   | BTCSGVE.560-630.160  | <b>591,50</b>   |
| 710/800x160   | BTCSGVE.710-800.160  | <b>1.219,90</b> |
| 900/1.000x160 | BTCSGVE.900-1000.160 | <b>1.281,60</b> |
| 315x200       | BTCSGVE.315.200      | s/consulta      |
| 355x200       | BTCSGVE.355.200      | s/consulta      |
| 400x200       | BTCSGVE.400.200      | s/consulta      |
| 450x200       | BTCSGVE.450.200      | s/consulta      |
| 500x200       | BTCSGVE.500.200      | s/consulta      |
| 560x200       | BTCSGVE.560.200      | s/consulta      |
| 630x200       | BTCSGVE.630.200      | s/consulta      |
| 710x200       | BTCSGVE.710.200      | s/consulta      |
| 800x200       | BTCSGVE.800.200      | s/consulta      |
| 900x200       | BTCSGVE.900.200      | s/consulta      |
| 1.000x200     | BTCSGVE.1000.200     | s/consulta      |
| 315x225       | BTCSGVE.315.225      | s/consulta      |
| 355x225       | BTCSGVE.355.225      | s/consulta      |
| 400x225       | BTCSGVE.400.225      | s/consulta      |
| 450x225       | BTCSGVE.450.225      | s/consulta      |
| 500x225       | BTCSGVE.500.225      | s/consulta      |


**BTCSGVE**

 Braçadeira simples  
de grande volume

| DxD          | código           | €          |
|--------------|------------------|------------|
| <b>PN-16</b> |                  |            |
| 560x225      | BTCSGVE.560.225  | s/consulta |
| 630x225      | BTCSGVE.630.225  | s/consulta |
| 710x225      | BTCSGVE.710.225  | s/consulta |
| 800x225      | BTCSGVE.800.225  | s/consulta |
| 900x225      | BTCSGVE.900.225  | s/consulta |
| 1.000x225    | BTCSGVE.1000.225 | s/consulta |
| 500x250      | BTCSGVE.500.250  | s/consulta |
| 560x250      | BTCSGVE.560.250  | s/consulta |
| 630x250      | BTCSGVE.630.250  | s/consulta |
| 710x250      | BTCSGVE.710.250  | s/consulta |
| 800x250      | BTCSGVE.800.250  | s/consulta |
| 900x250      | BTCSGVE.900.250  | s/consulta |
| 1.000x250    | BTCSGVE.1000.250 | s/consulta |
| 630x315      | BTCSGVE.630.315  | s/consulta |
| 710x315      | BTCSGVE.710.315  | s/consulta |
| 800x315      | BTCSGVE.800.035  | s/consulta |
| 900x315      | BTCSGVE.900.315  | s/consulta |
| 1.200x315    | BTCSGVE.1200.315 | s/consulta |



## Máquinas de soldar



Topo a Topo

| D-D       | código     | €          |
|-----------|------------|------------|
| 40-160    | BASIC.160  | s/consulta |
| 63-200    | BASIC.200  | s/consulta |
| 75-250    | BASIC.250  | s/consulta |
| 90-315    | BASIC.315  | s/consulta |
| 125-355   | BASIC.355  | s/consulta |
| 200-500   | DELTA.500  | s/consulta |
| 280-630   | DELTA.630  | s/consulta |
| 500-800   | DELTA.800  | s/consulta |
| 630-1.000 | DELTA.1000 | s/consulta |
| 710-1.200 | DELTA.1200 | s/consulta |
| 800-1.600 | DELTA.1600 | s/consulta |



Electofusão

| D-D       | código      | € |
|-----------|-------------|---|
| até 1.200 | PLAST100MAX |   |