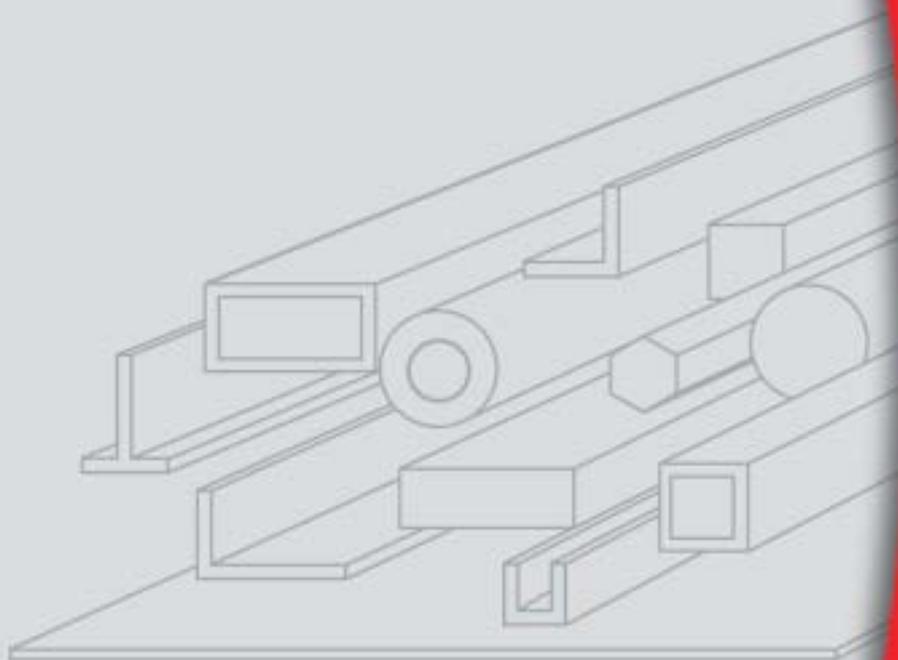




MAESTRI METALLI



Ottone

LEGHE RAME - ZINCO - PIOMBO

| Norme di riferimento EN | Legna | | Composizione in % (m/m) | | | | | | | | |
|-------------------------|-------------|--------|-------------------------|--------------|-------------|----------|----------|------------|----------|------------|------------------|
| | Simbolo | Numero | | Cu | Al | Fe | Ni | Pb | Sn | Zn | Altri elem. tot. |
| 12164 - 12167 | CuZn36Pb3 | CW603N | min. max | 60,0 62,0 | - 0,05 | - 0,3 | - 0,3 | 2,5 0,2 | - 0,2 | resto - | - 0,2 |
| 12164 - 12167 | CuZn38Pb1 | CW607N | min. max | 60,0 61,0 | - 0,05 | - 0,2 | - 0,3 | 0,8 1,6 | - 0,2 | resto - | - 0,2 |
| 12164 - 12167 | CuZn38Pb2 | CW608N | min. max | 60,0 61,0 | - 0,05 | - 0,2 | - 0,3 | 1,6 2,5 | - 0,2 | resto - | - 0,2 |
| 12164 - 12167 | CuZn39Pb1 | CW611N | min. max | 59,0 60,0 | - 0,05 | - 0,2 | - 0,3 | 0,8 1,6 | - 0,2 | resto - | - 0,2 |
| 12164 - 12167 | CuZn39Pb2 | CW612N | min. max | 59,0 60,0 | - 0,05 | - 0,3 | - 0,3 | 1,6 2,5 | - 0,3 | resto - | - 0,2 |
| 12164 - 12167 | CuZn39Pb3 | CW614N | min. max | 57,0 59,0 | - 0,05 | - 0,3 | - 0,3 | 2,5 3,5 | - 0,3 | resto - | - 0,2 |
| 12164 - 12167 | CuZn40Pb2 | CW617N | min. max | 57,0 59,0 | - 0,05 | - 0,3 | - 0,3 | 1,6 2,5 | - 0,3 | resto - | - 0,2 |
| 12167 | CuZn40Pb2Al | CW618N | min. max | 57,0 59,0 | 0,05 0,5 | - 0,3 | - 0,3 | 1,6 3,0 | - 0,3 | resto - | - 0,2 |
| 12167 | CuZn43Pb2Al | CW624N | min. max | 55,0 57,0 | 0,05 0,5 | - 0,3 | - 0,3 | 1,6 3,0 | - 0,3 | resto - | - 0,2 |

LEGHE COMPLESSE RAME - ZINCO

| Norme di riferimento UNI EN | Legna | | Composizione in % (m/m) | | | | | | | | | | |
|-----------------------------|--------------------|--------|-------------------------|--------------|------------|------------|------------|------------|------------|----------|------------|------------|------------------|
| | Simbolo | Numero | | Cu | Al | Fe | Mn | Ni | Pb | Si | Sn | Zn | Altri elem. tot. |
| 12167 | CuZn35Ni3Mn2AlPb | CW710R | min. max | 58,0 60,0 | 0,3 1,3 | - 0,5 | 1,5 2,5 | 2,0 3,0 | 0,2 0,8 | - 0,1 | - 0,5 | resto - | - 0,3 |
| 12164 - 12167 | CuZn40Mn1Pb1AlFeSn | CW721R | min. max | 57,0 59,0 | 0,3 1,3 | 0,2 1,2 | 0,8 1,8 | - 0,3 | 0,8 1,6 | - - | 0,2 1,0 | resto - | - 0,3 |
| 12164 - 12167 | CuZn40Mn1Pb1FeSn | CW722R | min. max | 56,5 58,5 | - 0,3 | 0,2 1,2 | 0,8 1,8 | - 0,3 | 0,8 1,6 | - - | 0,2 1,0 | resto - | - 0,3 |
| 12167 | CuZn40Mn2Fe1 | CW723R | min. max | 56,5 58,5 | - 0,3 | 0,5 1,5 | 1,0 2,0 | - 0,6 | - 0,5 | - 0,1 | - 0,3 | resto - | - 0,4 |

NUOVE NORME EUROPEE RELATIVE AI MATERIALI DI OTTONE
AL PIOMBO IN BARRE, FILI E PROFILATI

Il Comitato Europeo di Normazione EN con il proprio Organo Tecnico per il rame e sue leghe CEN/TC 133 e l'Ente Italiano corrispondente UNI, hanno definitivamente approvato le seguenti norme europee per i materiali cui in oggetto:

| | |
|--------------|---|
| UNI EN 12163 | Rame e leghe di rame Barre per usi generali |
| UNI EN 12164 | Rame e leghe di rame Barre per torneria |
| UNI EN 12165 | Rame e leghe di rame Prodotti per fucinatura-stampaggio, semilavorati e grezzi |
| UNI EN 12166 | Rame e leghe di rame Fili per usi generali |
| UNI EN 12167 | Rame e leghe di rame Profilati e barre rettangolari per usi generali |
| UNI EN 12168 | Rame e leghe di rame Barre forate per torneria |
| UNI EN 1652 | Rame e leghe di rame Piastre, lastre, nastri e dischi per usi generali |

OTTONE IN TUBI – PRESSIONI MASSIME DI ESERCIZIO

| Diam. ester. D mm | Spessore in mm | | | | | | | | | | | | | |
|-------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0,5 | 1 | 1,5 | 2 | 2,5 | 3 | 3,5 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | kg/cm ² (atm) | | | | | | | | | | | | | |
| 2 | 267 | | | | | | | | | | | | | |
| 3 | 189 | 332 | | | | | | | | | | | | |
| 4 | 144 | 267 | | | | | | | | | | | | |
| 5 | 116 | 222 | 308 | | | | | | | | | | | |
| 6 | 100 | 189 | 267 | | | | | | | | | | | |
| 7 | 85 | 165 | 238 | | | | | | | | | | | |
| 8 | 71 | 144 | 210 | 267 | | | | | | | | | | |
| 9 | 62 | 128 | 189 | 245 | | | | | | | | | | |
| 10 | 55 | 116 | 171 | 222 | | | | | | | | | | |
| 11 | 50 | 110 | 160 | 208 | 251 | | | | | | | | | |
| 12 | 46 | 100 | 144 | 189 | 232 | | | | | | | | | |
| 13 | 41 | 91 | 133 | 179 | 218 | | | | | | | | | |
| 14 | 37 | 82 | 127 | 163 | 202 | | | | | | | | | |
| 15 | 35 | 76 | 116 | 155 | 189 | 222 | | | | | | | | |
| 16 | 33 | 71 | 110 | 144 | 181 | 212 | | | | | | | | |
| 17 | 31 | 66 | 105 | 138 | 171 | 202 | 229 | | | | | | | |
| 18 | 29 | 62 | 100 | 128 | 160 | 189 | 218 | | | | | | | |
| 19 | 27 | 59 | 94 | 122 | 155 | 181 | 208 | | | | | | | |
| 20 | 26 | 55 | 89 | 116 | 144 | 171 | 197 | 222 | | | | | | |
| 21 | 25 | 52 | 84 | 110 | 138 | 163 | 189 | 212 | | | | | | |
| 22 | 24 | 50 | 79 | 106 | 133 | 160 | 181 | 208 | | | | | | |
| 23 | 22 | 49 | 75 | 105 | 127 | 150 | 171 | 197 | | | | | | |
| 24 | 21 | 45 | 71 | 100 | 122 | 144 | 166 | 189 | 232 | | | | | |
| 25 | 20 | 44 | 69 | 95 | 116 | 138 | 160 | 181 | 222 | | | | | |
| 26 | 20 | 41 | 65 | 90 | 111 | 133 | 155 | 179 | 218 | | | | | |
| 27 | 19 | 40 | 62 | 86 | 108 | 128 | 150 | 171 | 208 | | | | | |
| 28 | 17 | 39 | 60 | 84 | 105 | 124 | 144 | 165 | 202 | 238 | | | | |
| 29 | 17 | 37 | 57 | 80 | 101 | 138 | 140 | 160 | 197 | 232 | | | | |
| 30 | 17 | 36 | 55 | 77 | 100 | 116 | 135 | 155 | 189 | 222 | | | | |
| 35 | 15 | 30 | 46 | 65 | 82 | 100 | 136 | 133 | 165 | 197 | 222 | | | |
| 40 | 12 | 26 | 40 | 55 | 71 | 88 | 101 | 116 | 144 | 171 | 197 | | | |
| 45 | 11 | 22 | 35 | 49 | 61 | 76 | 92 | 105 | 128 | 155 | 179 | 202 | | |
| 50 | 10 | 20 | 31 | 44 | 55 | 67 | 81 | 95 | 116 | 138 | 160 | 181 | 202 | 222 |
| 55 | | 19 | 29 | 39 | 50 | 61 | 72 | 85 | 106 | 127 | 150 | 171 | 187 | 208 |
| 60 | | 17 | 26 | 35 | 45 | 55 | 66 | 76 | 100 | 116 | 138 | 155 | 171 | 189 |
| 65 | | 15 | 24 | 32 | 41 | 51 | 60 | 70 | 90 | 110 | 127 | 144 | 160 | 179 |
| 70 | | 14 | 22 | 30 | 37 | 46 | 55 | 64 | 82 | 100 | 116 | 133 | 150 | 165 |
| 75 | | 14 | 21 | 27 | 35 | 44 | 51 | 60 | 76 | 95 | 110 | 127 | 138 | 155 |
| 80 | | 13 | 20 | 26 | 32 | 40 | 44 | 55 | 71 | 89 | 101 | 116 | 133 | 144 |
| 85 | | | 19 | 25 | 30 | 37 | 43 | 51 | 66 | 82 | 98 | 110 | 127 | 138 |
| 90 | | | 17 | 24 | 29 | 35 | 42 | 49 | 62 | 77 | 92 | 105 | 116 | 128 |
| 95 | | | 16 | 22 | 27 | 34 | 40 | 46 | 59 | 72 | 86 | 98 | 110 | 122 |
| 100 | 15 | 21 | 26 | 32 | 37 | 44 | 49 | 55 | 61 | 67 | 81 | 95 | 105 | 116 |
| 110 | 14 | 19 | 24 | 29 | 34 | 39 | 44 | 50 | 55 | 61 | 72 | 85 | 97 | 106 |
| 120 | 13 | 17 | 21 | 26 | 31 | 35 | 40 | 45 | 50 | 55 | 66 | 76 | 89 | 100 |
| 130 | | 16 | 19 | 24 | 29 | 32 | 37 | 41 | 46 | 51 | 60 | 70 | 80 | 90 |
| 140 | | 15 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 55 | 65 | 74 | 83 |
| 150 | | 14 | 17 | 19 | 22 | 27 | 31 | 36 | 40 | 43 | 51 | 60 | 67 | 76 |
| 180 | | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 42 | 49 | 55 | 62 |
| 200 | | 10 | 12 | 15 | 17 | 21 | 24 | 26 | 29 | 31 | 37 | 44 | 49 | 55 |
| 250 | | | 10 | 12 | 14 | 16 | 19 | 21 | 23 | 25 | 30 | 34 | 39 | 44 |
| 280 | | | | 11 | 12 | 15 | 16 | 19 | 20 | 22 | 26 | 30 | 34 | 39 |
| 300 | | | | 10 | 11 | 14 | 15 | 17 | 19 | 20 | 25 | 28 | 31 | 36 |
| 350 | | | | | 10 | 11 | 12 | 15 | 16 | 17 | 21 | 24 | 27 | 30 |

LASTRE OTTONE

CRUDO
LEGA OT63
CuZn37 UNI EN 1652
CW 508 L

| Spessore m/m | Formato m/m | Kg/lastra |
|--------------|-------------|-----------|
| 0,1 | 500 x 1340 | 0,569 |
| 0,15 | 500 x 1340 | 0,854 |
| 0,2 | 500 x 1340 | 1,139 |
| 0,3 | 670 x 1340 | 2,289 |
| 0,4 | 1000 x 2000 | 6,800 |
| 0,5 | 1000 x 2000 | 8,500 |
| 0,6 | 1000 x 2000 | 10,200 |
| 0,8 | 1000 x 2000 | 13,600 |
| 1 | 1000 x 2000 | 17,000 |
| 1,2 | 1000 x 2000 | 20,400 |
| 1,5 | 1000 x 2000 | 25,500 |
| 2 | 1000 x 2000 | 34,000 |
| 2,5 | 1000 x 2000 | 42,500 |
| 3 | 1000 x 2000 | 51,000 |
| 4 | 670 x 1340 | 30,525 |
| 4 | 1000 x 2000 | 68,000 |
| 5 | 1000 x 2000 | 85,000 |
| 6 | 1000 x 2000 | 102,000 |
| 8 | 1000 x 2000 | 136,000 |
| 10 | 1000 x 2000 | 170,000 |
| 12 | 1000 x 2000 | 204,000 |
| 15 | 1000 x 2000 | 255,000 |
| 20 | 1000 x 2000 | 340,000 |
| 25 | 1000 x 2000 | 425,000 |
| 30 | 1000 x 2000 | 510,000 |
| 40 | 1000 x 2000 | 680,000 |
| 50 | 1000 x 2000 | 850,000 |

LASTRE OTTONE

RICOTTO
LEGA OT63
CuZn37 UNI EN 1652
CW 508 L

| Spessore m/m | Formato m/m | Kg/lastra |
|--------------|-------------|-----------|
| 0,1 | 500 x 1340 | 0,569 |
| 0,15 | 500 x 1340 | 0,854 |
| 0,2 | 500 x 1340 | 1,139 |
| 0,3 | 670 x 1340 | 2,289 |
| 0,4 | 670 x 1340 | 3,052 |
| 0,4 | 1000 x 2000 | 6,800 |
| 0,5 | 1000 x 2000 | 8,500 |
| 0,6 | 1000 x 2000 | 10,200 |
| 0,8 | 1000 x 2000 | 13,600 |
| 1 | 1000 x 2000 | 17,000 |
| 1,2 | 1000 x 2000 | 20,400 |
| 1,5 | 1000 x 2000 | 25,500 |
| 2 | 1000 x 2000 | 34,000 |
| 2,5 | 1000 x 2000 | 42,500 |
| 3 | 1000 x 2000 | 51,000 |
| 4 | 670 x 1340 | 30,525 |
| 4 | 1000 x 2000 | 68,000 |
| 5 | 1000 x 2000 | 85,000 |
| 6 | 1000 x 2000 | 102,000 |

LASTRE OTTONE

OROLOGERIA
LEGA OT59
CuZn39Pb2 UNI EN 1652
CW 612 N

| Spessore m/m | Formato m/m | Kg/lastra |
|--------------|-------------|-----------|
| 0,3 | 670 x 1340 | 2,262 |
| 0,5 | 670 x 1340 | 3,770 |
| 0,8 | 670 x 1340 | 6,033 |
| 1 | 670 x 1340 | 7,541 |
| 1,2 | 670 x 1340 | 9,049 |
| 1,5 | 670 x 1340 | 11,312 |
| 2 | 670 x 1340 | 15,083 |
| 2,5 | 670 x 1340 | 18,853 |
| 3 | 670 x 1340 | 22,624 |
| 4 | 670 x 1340 | 30,166 |
| 5 | 670 x 1340 | 37,707 |
| 6 | 670 x 1340 | 45,249 |
| 8 | 670 x 1340 | 60,332 |
| 10 | 670 x 1340 | 75,415 |
| 15 | 670 x 1340 | 113,120 |

FILI OTTONE

LEGA OT63
CuZn37 UNI EN 12166

| Diametro m/m | Kg/mt |
|-----------------|---------|
| 0,3 | 0,601 |
| 0,5 | 1,670 |
| 0,8 | 4,270 |
| 1 | 6,680 |
| 1,2 | 9,680 |
| 1,5 | 15,000 |
| 2 | 26,700 |
| 2,5 | 41,700 |
| 3 | 60,100 |
| 4 | 107,000 |
| 5 | 167,000 |
| 6 | 240,300 |
| 10 | 668,000 |

NASTRI OTTONE

LEGA OT67
CuZn33 UNI EN 1652

| Spessore x H m/m | Kg/mt |
|---------------------|-------|
| 0,1x250 | 0,212 |
| 0,3x250 | 0,635 |
| 0,3x500 | 1,270 |
| 0,5x20 | 0,085 |
| 0,8x30 | 0,204 |
| 0,8x35 | 0,238 |
| 0,8x500 | 3,400 |
| 1x8 | 0,068 |
| 1x15 | 0,127 |
| 1x30 | 0,255 |

**BARRE QUADRE
OTTONE**

UNI EN 12164
CuZn39Pb3
CW 614 N



| L x L m/m | Kg/mt |
|--------------|---------|
| 2 x 2 | 0,034 |
| 3 x 3 | 0,077 |
| 4 x 4 | 0,136 |
| 5 x 5 | 0,212 |
| 6 x 6 | 0,306 |
| 7 x 7 | 0,416 |
| 8 x 8 | 0,544 |
| 10 x 10 | 0,850 |
| 11 x 11 | 1,030 |
| 12 x 12 | 1,220 |
| 13 x 13 | 1,430 |
| 14 x 14 | 1,670 |
| 15 x 15 | 1,910 |
| 16 x 16 | 2,170 |
| 18 x 18 | 2,750 |
| 20 x 20 | 3,400 |
| 22 x 22 | 4,110 |
| 25 x 25 | 5,310 |
| 30 x 30 | 7,650 |
| 35 x 35 | 10,400 |
| 40 x 40 | 13,600 |
| 45 x 45 | 17,290 |
| 50 x 50 | 21,200 |
| 55 x 55 | 25,700 |
| 60 x 60 | 30,600 |
| 70 x 70 | 41,600 |
| 80 x 80 | 54,400 |
| 100 x 100 | 85,000 |
| 120 x 120 | 122,400 |



**BARRE ESAGONALI
OTTONE**

UNI EN 12164
CuZn39Pb3
CW 614 N

| Chiave m/m | Kg/mt |
|---------------|--------|
| 3 | 0,066 |
| 4 | 0,117 |
| 5 | 0,183 |
| 6 | 0,265 |
| 7 | 0,361 |
| 8 | 0,471 |
| 9 | 0,596 |
| 10 | 0,743 |
| 11 | 0,900 |
| 12 | 1,070 |
| 13 | 1,240 |
| 14 | 1,460 |
| 15 | 1,650 |
| 16 | 1,880 |
| 17 | 2,150 |
| 18 | 2,380 |
| 19 | 2,670 |
| 20 | 2,940 |
| 21 | 3,250 |
| 22 | 3,610 |
| 23 | 3,900 |
| 24 | 4,290 |
| 25 | 4,600 |
| 26 | 4,970 |
| 27 | 5,430 |
| 28 | 5,750 |
| 29 | 6,190 |
| 30 | 6,700 |
| 32 | 7,630 |
| 34 | 8,510 |
| 36 | 9,590 |
| 37 | 10,000 |
| 38 | 10,600 |
| 40 | 11,700 |
| 41 | 12,360 |
| 42 | 12,970 |
| 45 | 14,890 |
| 46 | 15,560 |
| 50 | 18,600 |
| 55 | 22,500 |
| 60 | 26,800 |
| 65 | 31,300 |
| 70 | 36,000 |
| 80 | 47,100 |



**BARRE TONDE
OTTONE**

UNI EN 12164
CuZn39Pb3
CW 614 N

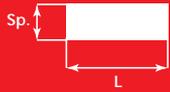
| Diametro m/m | Kg/mt | Diametro m/m | Kg/mt |
|-----------------|--------|-----------------|---------|
| 1,5 | 0,015 | 50 | 16,900 |
| 2 | 0,027 | 55 | 20,200 |
| 2,5 | 0,042 | 60 | 24,000 |
| 3 | 0,060 | 65 | 28,200 |
| 3,5 | 0,082 | 70 | 32,700 |
| 4 | 0,107 | 75 | 37,500 |
| 4,5 | 0,135 | 80 | 42,700 |
| 5 | 0,167 | 85 | 48,200 |
| 5,5 | 0,202 | 90 | 54,000 |
| 6 | 0,240 | 95 | 60,200 |
| 7 | 0,327 | 100 | 66,700 |
| 8 | 0,427 | 110 | 80,780 |
| 9 | 0,541 | 120 | 96,130 |
| 10 | 0,668 | 130 | 112,830 |
| 11 | 0,808 | 140 | 130,850 |
| 12 | 0,961 | 150 | 150,210 |
| 13 | 1,130 | 160 | 170,800 |
| 14 | 1,310 | 180 | 216,000 |
| 15 | 1,500 | 200 | 266,800 |
| 16 | 1,710 | 220 | 323,120 |
| 17 | 1,930 | 225 | 338,023 |
| 18 | 2,160 | 250 | 417,920 |
| 19 | 2,410 | 300 | 600,000 |
| 20 | 2,670 | | |
| 21 | 2,940 | | |
| 22 | 3,230 | | |
| 23 | 3,530 | | |
| 24 | 3,850 | | |
| 25 | 4,170 | | |
| 26 | 4,510 | | |
| 27 | 4,870 | | |
| 28 | 5,230 | | |
| 29 | 5,610 | | |
| 30 | 6,010 | | |
| 32 | 6,840 | | |
| 35 | 8,180 | | |
| 36 | 8,650 | | |
| 37 | 9,140 | | |
| 38 | 9,640 | | |
| 40 | 10,700 | | |
| 41 | 11,220 | | |
| 42 | 11,760 | | |
| 45 | 13,520 | | |
| 48 | 15,380 | | |



**BARRE PIATTE
OTTONE**

UNI EN 12167
CuZn39Pb3
CW 614 N

| L x Spessore m/m | Kg/mt | L x Spessore m/m | Kg/mt | L x Spessore m/m | Kg/mt |
|---------------------|-------|---------------------|--------|---------------------|--------|
| 5 x 2 | 0,085 | 25 x 5 | 1,062 | 45 x 6,5 | 2,524 |
| 6 x 2 | 0,102 | 25 x 6 | 1,275 | 45 x 8 | 3,060 |
| 7 x 5 | 0,297 | 25 x 8 | 1,700 | 45 x 10 | 3,825 |
| 8 x 2 | 0,136 | 25 x 10 | 2,125 | 45 x 12 | 4,600 |
| 8 x 2,5 | 0,170 | 25 x 12 | 2,550 | 45 x 15 | 5,739 |
| 8 x 3 | 0,204 | 25 x 15 | 3,187 | 45 x 20 | 7,650 |
| 8 x 4 | 0,272 | 25 x 20 | 4,250 | 45 x 25 | 9,563 |
| 8 x 5 | 0,340 | 30 x 2 | 0,510 | 45 x 30 | 11,475 |
| 10 x 2 | 0,170 | 30 x 3 | 0,765 | 50 x 2 | 0,850 |
| 10 x 2,5 | 0,212 | 30 x 4 | 1,020 | 50 x 3 | 1,275 |
| 10 x 3 | 0,255 | 30 x 5 | 1,275 | 50 x 4 | 1,700 |
| 10 x 4 | 0,340 | 30 x 6 | 1,530 | 50 x 5 | 2,125 |
| 10 x 5 | 0,425 | 30 x 8 | 2,040 | 50 x 6 | 2,550 |
| 10 x 6 | 0,510 | 30 x 10 | 2,550 | 50 x 8 | 3,400 |
| 10 x 8 | 0,681 | 30 x 12 | 3,060 | 50 x 10 | 4,250 |
| 12 x 2 | 0,204 | 30 x 15 | 3,825 | 50 x 12 | 5,100 |
| 12 x 2,5 | 0,255 | 30 x 20 | 5,100 | 50 x 15 | 6,375 |
| 12 x 3 | 0,306 | 30 x 25 | 6,375 | 50 x 20 | 8,500 |
| 12 x 4 | 0,408 | 35 x 2 | 0,595 | 50 x 25 | 10,624 |
| 12 x 5 | 0,510 | 35 x 3 | 0,893 | 50 x 30 | 12,748 |
| 12 x 8 | 0,816 | 35 x 4 | 1,190 | 50 x 35 | 14,874 |
| 12 x 10 | 1,020 | 35 x 5 | 1,488 | 50 x 40 | 17,000 |
| 15 x 2 | 0,255 | 35 x 6 | 1,785 | 55 x 3 | 1,403 |
| 15 x 2,5 | 0,318 | 35 x 8 | 2,380 | 55 x 5 | 2,338 |
| 15 x 3 | 0,382 | 35 x 10 | 2,975 | 55 x 6 | 2,806 |
| 15 x 4 | 0,510 | 35 x 15 | 4,462 | 55 x 8 | 3,740 |
| 15 x 5 | 0,637 | 35 x 20 | 5,950 | 60 x 2 | 1,020 |
| 15 x 6 | 0,765 | 35 x 25 | 7,440 | 60 x 3 | 1,530 |
| 15 x 8 | 1,020 | 40 x 2 | 0,680 | 60 x 4 | 2,040 |
| 15 x 10 | 1,275 | 40 x 3 | 1,020 | 60 x 5 | 2,550 |
| 15 x 12 | 1,530 | 40 x 4 | 1,360 | 60 x 6 | 3,060 |
| 20 x 2 | 0,340 | 40 x 5 | 1,700 | 60 x 8 | 4,080 |
| 20 x 2,5 | 0,425 | 40 x 6 | 2,040 | 60 x 10 | 5,100 |
| 20 x 3 | 0,510 | 40 x 8 | 2,720 | 60 x 12 | 6,120 |
| 20 x 4 | 0,630 | 40 x 10 | 3,400 | 60 x 15 | 7,650 |
| 20 x 5 | 0,850 | 40 x 12 | 4,080 | 60 x 20 | 10,200 |
| 20 x 6 | 1,020 | 40 x 15 | 5,100 | 60 x 25 | 12,750 |
| 20 x 8 | 1,360 | 40 x 20 | 6,800 | 60 x 30 | 15,300 |
| 20 x 10 | 1,700 | 40 x 25 | 8,500 | 60 x 40 | 20,400 |
| 20 x 12 | 2,040 | 40 x 30 | 10,200 | 65 x 4 | 2,210 |
| 20 x 15 | 2,550 | 45 x 2 | 0,765 | 70 x 3 | 1,785 |
| 25 x 2 | 0,424 | 45 x 3 | 1,148 | 70 x 4 | 2,380 |
| 25 x 3 | 0,637 | 45 x 4 | 1,530 | 70 x 5 | 2,975 |
| 25 x 4 | 0,851 | 45 x 5 | 1,913 | 70 x 6 | 3,570 |
| 25 x 4 R. | 0,851 | 45 x 6 | 2,295 | 70 x 8 | 4,760 |



**BARRE PIATTE
OTTONE**

UNI EN 12167
CuZn39Pb3
CW 614 N

| L x Spessore m/m | Kg/mt | L x Spessore m/m | Kg/mt |
|---------------------|--------|---------------------|--------|
| 70 x 10 | 5,950 | 120 x 20 | 20,400 |
| 70 x 12 | 7,140 | 120 x 25 | 25,500 |
| 70 x 15 | 8,925 | 120 x 40 | 40,800 |
| 70 x 20 | 11,900 | 120 x 50 | 51,000 |
| 70 x 25 | 14,875 | 130 x 15 | 16,575 |
| 70 x 30 | 17,850 | 130 x 20 | 22,100 |
| 70 x 40 | 23,800 | 150 x 10 | 12,750 |
| 80 x 2 | 1,360 | 150 x 12 | 15,300 |
| 80 x 3 | 2,040 | 150 x 15 | 19,125 |
| 80 x 4 | 2,720 | 150 x 20 | 25,500 |
| 80 x 5 | 3,400 | 150 x 25 | 31,875 |
| 80 x 6 | 4,080 | 150 x 30 | 38,250 |
| 80 x 8 | 5,440 | 150 x 50 | 63,750 |
| 80 x 10 | 6,800 | 240 x 20 | 40,800 |
| 80 x 12 | 8,160 | | |
| 80 x 15 | 10,200 | | |
| 80 x 20 | 13,600 | | |
| 80 x 25 | 17,000 | | |
| 80 x 30 | 20,400 | | |
| 80 x 40 | 27,200 | | |
| 80 x 50 | 34,000 | | |
| 85 x 20 | 9,010 | | |
| 90 x 4 | 3,060 | | |
| 90 x 8 | 6,120 | | |
| 90 x 10 | 7,650 | | |
| 90 x 12 | 9,180 | | |
| 90 x 25 | 19,125 | | |
| 100 x 5 | 4,250 | | |
| 100 x 6 | 5,100 | | |
| 100 x 8 | 6,800 | | |
| 100 x 10 | 8,500 | | |
| 100 x 12 | 10,200 | | |
| 100 x 15 | 12,750 | | |
| 100 x 20 | 17,000 | | |
| 100 x 25 | 21,250 | | |
| 100 x 30 | 25,500 | | |
| 100 x 40 | 34,000 | | |
| 100 x 50 | 42,500 | | |
| 100 x 60 | 51,000 | | |
| 120 x 5 | 5,100 | | |
| 120 x 6 | 6,120 | | |
| 120 x 8 | 8,160 | | |
| 120 x 10 | 10,200 | | |
| 120 x 12 | 12,240 | | |
| 120 x 15 | 15,300 | | |



**TUBI TONDI
OTTONE**

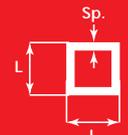
LEGA OT63
UNI EN 12449 CuZn37
CW 508 L

| Diametro x Spessore m/m | Kg/mt | Diametro x Spessore m/m | Kg/mt | Diametro x Spessore m/m | Kg/mt |
|----------------------------|--------|----------------------------|-------|----------------------------|-------|
| 2 x 0,5 | 0,020 | 13 x 2 | 0,587 | 22 x 3 | 1,522 |
| 2,5 x 0,5 | 0,026 | 14 x 0,5 | 0,180 | 23 x 0,5 | 0,300 |
| 3 x 0,5 | 0,0344 | 14 x 1 | 0,347 | 23 x 1 | 0,587 |
| 3 x 1 | 0,0534 | 14 x 1,5 | 0,501 | 24 x 1 | 0,614 |
| 3,5 x 0,5 | 0,0400 | 14 x 2 | 0,641 | 24 x 1,5 | 0,901 |
| 4 x 0,5 | 0,0467 | 14 x 3 | 0,883 | 24 x 2 | 1,175 |
| 4 x 1 | 0,0801 | 15 x 0,5 | 0,194 | 25 x 0,5 | 0,327 |
| 5 x 0,5 | 0,0601 | 15 x 1 | 0,374 | 25 x 1 | 0,641 |
| 5 x 1 | 0,1070 | 15 x 1,5 | 0,541 | 25 x 1,5 | 0,961 |
| 5 x 1,5 | 0,1400 | 15 x 1,5 ric. | 0,541 | 25 x 2 | 1,228 |
| 6 x 0,5 | 0,0734 | 15 x 2 | 0,694 | 25 x 2 ric. | 1,228 |
| 6 x 1 | 0,1330 | 15 x 2,5 | 0,834 | 25 x 2,5 | 1,502 |
| 6 x 1,5 | 0,1800 | 15 x 3 | 0,961 | 25 x 3 | 1,762 |
| 7 x 0,5 | 0,0868 | 16 x 0,5 | 0,207 | 25 x 5 | 2,670 |
| 7 x 1 | 0,160 | 16 x 1 | 0,400 | 26 x 0,5 | 0,340 |
| 7 x 1,5 | 0,220 | 16 x 1,5 | 0,581 | 26 x 1 | 0,668 |
| 8 x 0,5 | 0,100 | 16 x 2 | 0,748 | 26 x 1,5 | 0,981 |
| 8 x 1 | 0,187 | 16 x 2,5 | 0,901 | 26 x 2 | 1,282 |
| 8 x 1 ric. | 0,187 | 16 x 3 | 1,050 | 26 x 4 | 2,349 |
| 8 x 1,5 | 0,260 | 17 x 0,5 | 0,220 | 27 x 1 | 0,694 |
| 8 x 2 | 0,320 | 17 x 1 | 0,427 | 27 x 2,5 | 1,635 |
| 9 x 0,5 | 0,113 | 17 x 1,5 | 0,620 | 28 x 0,5 | 0,367 |
| 9 x 1 | 0,214 | 18 x 0,5 | 0,234 | 28 x 1 | 0,721 |
| 9 x 1,5 | 0,300 | 18 x 1 | 0,454 | 28 x 1,5 | 1,061 |
| 10 x 0,5 | 0,127 | 18 x 1,5 | 0,662 | 28 x 2 | 1,389 |
| 10 x 1 semicr. | 0,240 | 18 x 2 | 0,854 | 28 x 2,5 | 1,702 |
| 10 x 1 | 0,240 | 18 x 2,5 | 1,034 | 29 x 1 | 0,748 |
| 10 x 1 ric. | 0,240 | 18 x 3 | 1,202 | 30 x 0,5 | 0,394 |
| 10 x 1,5 | 0,340 | 19 x 1 | 0,481 | 30 x 1 | 0,774 |
| 10 x 1,5 ric. | 0,340 | 20 x 0,5 | 0,260 | 30 x 1,5 | 1,140 |
| 10 x 2 | 0,427 | 20 x 1 | 0,507 | 30 x 2 | 1,495 |
| 10 x 2,5 | 0,500 | 20 x 1 ric. | 0,507 | 30 x 2,5 | 1,835 |
| 11 x 0,5 | 0,140 | 20 x 1,5 | 0,741 | 30 x 3 | 2,162 |
| 11 x 1 | 0,267 | 20 x 2 | 0,961 | 30 x 3,5 | 2,477 |
| 12 x 0,5 | 0,153 | 20 x 2,5 | 1,168 | 30 x 4 | 2,777 |
| 12 x 1 | 0,294 | 20 x 3 | 1,362 | 30 x 5 | 3,338 |
| 12 x 1 ric. | 0,294 | 20 x 4 | 1,709 | 31 x 1 | 0,801 |
| 12 x 1,5 | 0,420 | 20 x 5 | 2,000 | 32 x 0,5 | 0,420 |
| 12 x 1,5 ric. | 0,420 | 21 x 0,5 | 0,274 | 32 x 1 | 0,827 |
| 12 x 2 | 0,534 | 21 x 1 | 0,534 | 32 x 1,5 | 1,221 |
| 12 x 2,5 | 0,634 | 22 x 0,5 | 0,287 | 32 x 2 | 1,601 |
| 12 x 3 | 0,721 | 22 x 1 | 0,561 | 32 x 2,5 | 1,970 |
| 13 x 0,5 | 0,167 | 22 x 1,5 | 0,821 | 33 x 1 | 0,854 |
| 13 x 1 | 0,320 | 22 x 2 | 1,068 | 33 x 1,5 | 1,261 |
| 13 x 1,5 | 0,461 | 22 x 2,5 | 1,300 | 34 x 1 | 0,880 |



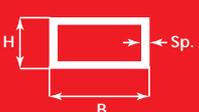
**TUBI TONDI
OTTONE**
LEGA OT63
UNI EN 12449 CuZn37
CW 508 L

| Diametro x Spessore m/m | Kg/mt | Diametro x Spessore m/m | Kg/mt | Diametro x Spessore m/m | Kg/mt |
|----------------------------|-------|----------------------------|--------|----------------------------|--------|
| 35 x 0,5 | 0,461 | 52 x 1 | 1,361 | 90 x 2,5 | 5,841 |
| 35 x 1 | 0,908 | 52 x 2 | 2,670 | 90 x 7,5 | 16,520 |
| 35 x 1,5 | 1,342 | 54 x 1 | 1,414 | 90 x 10 | 21,360 |
| 35 x 2 | 1,762 | 55 x 1 | 1,442 | 95 x 2 | 4,967 |
| 35 x 2,5 | 2,170 | 55 x 1,5 | 2,143 | 95 x 2,5 | 6,174 |
| 35 x 3 | 2,563 | 55 x 2 | 2,830 | 95 x 10 | 22,695 |
| 35 x 3,5 | 2,943 | 55 x 2,5 | 3,504 | 100 x 2 | 5,233 |
| 35 x 4 | 3,311 | 55 x 5 | 6,680 | 100 x 4 | 10,253 |
| 36 x 1 | 0,934 | 57 x 1 | 1,494 | 100 x 5 | 12,684 |
| 38 x 0,5 | 0,500 | 57 x 2 | 2,937 | 100 x 10 | 24,030 |
| 38 x 1 | 0,987 | 58 x 1 | 1,521 | 105 x 1 | 2,777 |
| 38 x 1,5 | 1,461 | 58 x 2,5 | 3,703 | 105 x 2,5 | 6,839 |
| 39 x 1 | 1,014 | 58 x 3 | 4,405 | 108 x 4 | 11,107 |
| 40 x 1 | 1,041 | 60 x 1 | 1,575 | 110 x 2,5 | 7,175 |
| 40 x 1,5 | 1,542 | 60 x 1,5 | 2,343 | 110 x 5 | 14,017 |
| 40 x 2 | 2,029 | 60 x 2 | 3,097 | 120 x 2,5 | 7,843 |
| 40 x 2,5 | 2,503 | 60 x 2,5 | 3,839 | 120 x 5 | 15,352 |
| 40 x 3 | 2,964 | 60 x 3 | 4,566 | 120 x 7,5 | 22,518 |
| 40 x 4 | 3,844 | 60 x 5 | 7,343 | 120 x 10 | 29,370 |
| 40 x 5 | 4,672 | 61 x 2,5 | 3,904 | 120 x 15 | 42,052 |
| 40 x 10 | 8,010 | 62 x 1 | 1,628 | 125 x 5 | 16,014 |
| 41 x 0,5 | 0,540 | 63 x 1 | 1,681 | 130 x 2,5 | 8,517 |
| 41 x 1 | 1,067 | 65 x 1 | 1,709 | 140 x 5 | 18,000 |
| 42 x 0,5 | 0,554 | 65 x 2 | 3,364 | 145 x 5 | 18,690 |
| 42 x 1 | 1,094 | 65 x 2,5 | 4,173 | 150 x 2,5 | 9,845 |
| 42 x 2 | 2,136 | 65 x 5 | 8,000 | 150 x 5 | 19,357 |
| 43 x 1 | 1,120 | 70 x 1 | 1,842 | 170 x 5 | 22,027 |
| 43 x 2,5 | 2,703 | 70 x 2 | 3,630 | 180 x 10 | 45,390 |
| 44 x 1 | 1,148 | 70 x 2,5 | 4,505 | 190 x 3 | 14,978 |
| 45 x 1 | 1,175 | 70 x 5 | 8,678 | 190 x 5 | 24,697 |
| 45 x 1,5 | 1,742 | 70 x 10 | 16,022 | 200 x 5 | 26,035 |
| 45 x 2 | 2,301 | 75 x 1 | 1,980 | | |
| 45 x 2,5 | 2,837 | 75 x 2,5 | 4,840 | | |
| 45 x 3 | 3,364 | 75 x 3 | 5,768 | | |
| 45 x 4 | 4,379 | 75 x 5 | 9,345 | | |
| 45 x 5 | 5,340 | 75 x 10 | 17,357 | | |
| 46 x 1 | 1,201 | 80 x 1 | 2,108 | | |
| 47 x 1 | 1,227 | 80 x 1,5 | 3,140 | | |
| 48 x 1 | 1,250 | 80 x 2 | 4,166 | | |
| 50 x 1 | 1,309 | 80 x 2,5 | 5,174 | | |
| 50 x 1,5 | 1,943 | 80 x 5 | 10,014 | | |
| 50 x 2 | 2,564 | 85 x 2,5 | 5,508 | | |
| 50 x 2,5 | 3,170 | 85 x 5 | 10,700 | | |
| 50 x 3 | 3,765 | 90 x 1 | 2,375 | | |
| 50 x 5 | 6,009 | 90 x 2 | 4,700 | | |



TUBI QUADRI OTTONE
UNI EN 12449
CuZn37
CW 508 L

| L x L x Spessore m/m | Kg/mt |
|----------------------|-------|
| 5 x 5 x 1 | 0,136 |
| 6 x 6 x 1 | 0,170 |
| 7 x 7 x 1 | 0,204 |
| 8 x 8 x 1 | 0,238 |
| 10 x 10 x 1 | 0,305 |
| 12 x 12 x 1 | 0,375 |
| 12 x 12 x 1,5 | 0,562 |
| 14 x 14 x 1 | 0,442 |
| 15 x 15 x 1 | 0,475 |
| 15 x 15 x 1,5 | 0,715 |
| 18 x 18 x 1 | 0,580 |
| 20 x 20 x 1 | 0,645 |
| 20 x 20 x 1,5 | 0,967 |
| 20 x 20 x 2 | 1,290 |
| 25 x 25 x 1 | 0,815 |
| 25 x 25 x 1,5 | 1,222 |
| 25 x 25 x 2 | 1,630 |
| 30 x 30 x 1 | 0,985 |
| 30 x 30 x 1,5 | 1,530 |
| 30 x 30 x 2 | 1,970 |
| 35 x 35 x 1,5 | 1,725 |
| 40 x 40 x 1 | 1,325 |
| 40 x 40 x 1,5 | 2,030 |
| 40 x 40 x 2 | 2,650 |
| 45 x 45 x 1,5 | 2,218 |
| 50 x 50 x 1,5 | 2,497 |
| 55 x 55 x 1,5 | 2,765 |
| 60 x 60 x 1,5 | 3,060 |
| 70 x 70 x 1,5 | 3,530 |
| 80 x 80 x 1,5 | 4,003 |



TUBI RETTANGOLARI OTTONE
UNI EN 12449
CuZn37
CW 508 L

| B x H x Spessore m/m | Kg/mt |
|----------------------|-------|
| 15 x 7 x 1,5 | 0,517 |
| 20 x 10 x 1 | 0,479 |
| 20 x 10 x 1,5 | 0,718 |
| 20 x 15 x 1,5 | 0,877 |
| 25 x 10 x 1 | 0,555 |
| 25 x 10 x 1,5 | 0,832 |
| 25 x 12 x 1,5 | 0,908 |
| 25 x 15 x 1,5 | 0,990 |
| 30 x 10 x 1 | 0,660 |
| 30 x 10 x 1,5 | 0,990 |
| 30 x 15 x 1,5 | 1,110 |
| 30 x 20 x 1 | 0,825 |
| 30 x 20 x 1,5 | 1,237 |
| 35 x 10 x 1 | 0,735 |
| 40 x 10 x 1,5 | 1,215 |
| 40 x 20 x 1,5 | 1,495 |
| 50 x 20 x 1,5 | 1,749 |
| 50 x 20 x 2 | 2,244 |



ANGOLARI OTTONE
UNI EN 12167
CuZn40Pb2Al
CW 618 N

| L x L x Spessore m/m | Kg/mt |
|----------------------|-------|
| 10 x 10 x 1,5 | 0,235 |
| 10 x 10 x 2 | 0,306 |
| 12 x 12 x 1 | 0,187 |
| 15 x 10 x 1,5 | 0,209 |
| 15 x 10 x 2 | 0,391 |
| 15 x 15 x 2 | 0,476 |
| 15 x 15 x 3 | 0,688 |
| 20 x 10 x 2 | 0,476 |
| 20 x 10 x 3 | 0,688 |
| 20 x 15 x 2 | 0,561 |
| 20 x 15 x 3 | 0,816 |
| 20 x 20 x 2 | 0,646 |
| 20 x 20 x 3 | 0,943 |
| 20 x 20 x 5 | 1,592 |
| 25 x 10 x 2 | 0,561 |
| 25 x 15 x 2 | 0,646 |
| 25 x 15 x 3 | 0,943 |
| 25 x 25 x 2 | 0,816 |
| 25 x 25 x 3 | 1,198 |
| 25 x 25 x 4 | 1,564 |
| 25 x 25 x 5 | 1,912 |
| 30 x 10 x 2 | 0,646 |
| 30 x 15 x 2 | 0,731 |
| 30 x 15 x 3 | 1,071 |
| 30 x 20 x 2 | 0,816 |
| 30 x 20 x 3 | 1,198 |
| 30 x 20 x 4 | 1,564 |
| 30 x 20 x 5 | 1,912 |
| 30 x 30 x 2 | 0,986 |
| 30 x 30 x 3 | 1,453 |
| 30 x 30 x 4 | 1,904 |
| 30 x 30 x 5 | 2,337 |
| 35 x 15 x 2 | 0,816 |
| 35 x 35 x 2 | 1,156 |
| 35 x 35 x 3 | 1,708 |
| 35 x 35 x 5 | 2,762 |
| 40 x 10 x 2 | 0,816 |
| 40 x 15 x 2 | 0,901 |
| 40 x 20 x 2 | 0,986 |
| 40 x 20 x 3 | 1,453 |
| 40 x 20 x 4 | 1,904 |
| 40 x 40 x 2 | 1,326 |
| 40 x 40 x 3 | 1,963 |
| 40 x 40 x 4 | 2,584 |
| 40 x 40 x 5 | 3,187 |



ANGOLARI OTTONE

UNI EN 12167
CuZn40Pb2Al
CW 618 N

| L x L x Spessore m/m | Kg/mt |
|-------------------------|-------|
| 45 x 45 x 2 | 1,496 |
| 45 x 45 x 3 | 2,218 |
| 45 x 45 x 5 | 3,612 |
| 50 x 20 x 2 | 1,156 |
| 50 x 20 x 3 | 1,708 |
| 50 x 25 x 2 | 1,241 |
| 50 x 30 x 2 | 1,326 |
| 50 x 30 x 5 | 3,187 |
| 50 x 50 x 2 | 1,666 |
| 50 x 50 x 3 | 2,473 |
| 50 x 50 x 4 | 3,264 |
| 50 x 50 x 5 | 4,037 |
| 60 x 20 x 2 | 1,326 |



CANALINI A "U" OTTONE

UNI EN 12167
CuZn43Pb2Al
CW 624 N

| B x H x Spessore m/m | Kg/mt |
|-------------------------|-------|
| 8 x 8 x 1 | 0,187 |
| 10 x 10 x 1,5 | 0,344 |
| 10 x 15 x 1,5 | 0,471 |
| 10 x 20 x 1,5 | 0,599 |
| 12 x 12 x 1,5 | 0,420 |
| 15 x 15 x 2 | 0,697 |
| 15 x 20 x 2 | 0,867 |
| 20 x 15 x 2 | 0,782 |
| 20 x 15 x 3 | 1,200 |
| 20 x 20 x 2 | 0,952 |
| 20 x 20 x 3 | 1,452 |
| 25 x 15 x 2 | 0,867 |
| 25 x 25 x 2 | 1,207 |
| 30 x 15 x 2 | 0,952 |
| 30 x 15 x 3 | 1,452 |
| 30 x 20 x 2 | 1,122 |
| 30 x 30 x 2 | 1,462 |
| 35 x 15 x 2 | 1,037 |
| 40 x 20 x 2 | 1,292 |
| 50 x 20 x 2 | 1,394 |
| 50 x 20 x 3 | 2,142 |

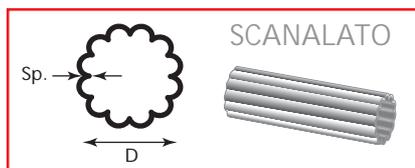


PROFILATI A "T" OTTONE

UNI EN 12167
CuZn40Pb2Al
CW 618 N

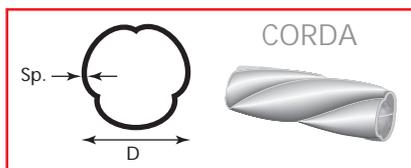
| B x H x Spessore m/m | Kg/mt |
|-------------------------|-------|
| 10 x 10 x 2 | 0,306 |
| 15 x 15 x 2 | 0,476 |
| 20 x 20 x 2 | 0,646 |
| 25 x 25 x 2 | 0,816 |
| 25 x 25 x 3 | 1,198 |
| 30 x 30 x 2 | 0,986 |
| 30 x 30 x 3 | 1,453 |
| 30 x 30 x 5 | 2,337 |
| 40 x 40 x 2 | 1,326 |
| 40 x 40 x 5 | 3,187 |
| 50 x 50 x 3 | 2,473 |
| 50 x 50 x 5 | 4,037 |

TUBI OTTONE SAGOMATI OT63 UNI EN 12449 - CuZn37



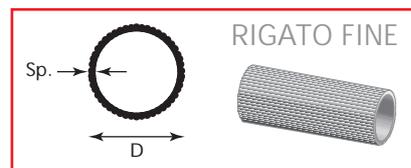
SCANALATO

| Diametro x Spessore m/m | Peso/mt | Passo |
|-------------------------|---------|-------|
| 20 x 1 | 0,507 | 12 |
| 25 x 1 | 0,641 | 12 |
| 30 x 1 | 0,774 | 12 |
| 35 x 1 | 0,908 | 12 |
| 40 x 1 | 1,041 | 12 |
| 50 x 1 | 1,309 | 12 |



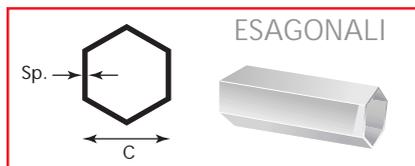
CORDA

| Diametro x Spessore m/m | Peso/mt |
|-------------------------|---------|
| 8 x 1 | 0,150 |
| 10 x 1 | 0,210 |
| 12 x 1 | 0,270 |
| 15 x 1 | 0,360 |
| 16 x 1 | 0,390 |
| 18 x 1 | 0,450 |
| 20 x 1 | 0,510 |
| 22 x 1 | 0,570 |
| 25 x 1 | 0,660 |
| 28 x 1 | 0,750 |
| 30 x 1 | 0,810 |
| 35 x 1 | 0,960 |
| 40 x 1 | 1,100 |
| 50 x 1 | 1,180 |



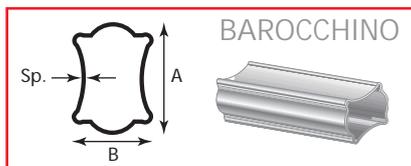
RIGATO FINE

| Diametro x Spessore m/m | Peso/mt | n. rigature |
|-------------------------|---------|-------------|
| 8 x 1 | 0,187 | 16 |
| 10 x 1 | 0,240 | 20 |
| 12 x 1 | 0,294 | 24 |
| 13 x 1 | 0,320 | 26 |
| 15 x 1 | 0,374 | 30 |
| 16 x 1 | 0,400 | 32 |
| 18 x 1 | 0,454 | 36 |
| 20 x 1 | 0,507 | 40 |
| 22 x 1 | 0,561 | 49 |
| 25 x 1 | 0,641 | 49 |
| 28 x 1 | 0,721 | 56 |
| 30 x 1 | 0,774 | 60 |
| 35 x 1 | 0,908 | 60 |
| 40 x 1 | 1,041 | 70 |
| 50 x 1 | 1,309 | 80 |



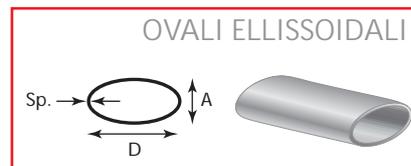
ESAGONALI

| Chiave x Spessore m/m | Peso/mt |
|-----------------------|---------|
| 10 x 1 | 0,215 |
| 12 x 1 | 0,334 |
| 15 x 1 | 0,410 |
| 20 x 1 | 0,560 |
| 25 x 1 | 0,700 |
| 30 x 1 | 0,900 |
| 35 x 1 | 1,000 |
| 40 x 1 | 1,100 |
| 50 x 1 | 1,400 |



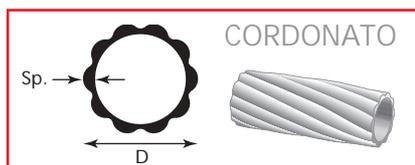
BAROCCHINO

| A x B x Spessore m/m | Peso/mt |
|----------------------|---------|
| 14 x 9 x 1 | 0,395 |



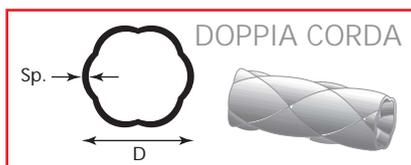
OVALI ELLISSOIDALI

| A x D x Spessore m/m | Peso/mt |
|----------------------|---------|
| 7 x 13 x 1 | 0,305 |
| 7 x 15 x 1 | 0,335 |
| 8 x 15 x 1 | 0,345 |
| 8 x 18 x 1 | 0,380 |
| 8 x 30 x 1 | 0,620 |
| 10 x 20 x 1 | 0,430 |
| 10 x 25 x 1 | 0,520 |
| 15 x 30 x 1 | 0,620 |
| 20 x 40 x 1 | 0,975 |
| 25 x 50 x 1 | 1,000 |



CORDONATO

| Diametro x Spessore m/m | Peso/mt |
|-------------------------|---------|
| 8 x 1 | 0,180 |
| 10 x 1 | 0,220 |
| 20 x 1 | 0,507 |
| 25 x 1 | 0,641 |
| 30 x 1 | 0,774 |
| 40 x 1 | 1,041 |



DOPPIA CORDA

| Diametro x Spessore m/m | Peso/mt |
|-------------------------|---------|
| 8 x 1 | 0,150 |
| 10 x 1 | 0,210 |

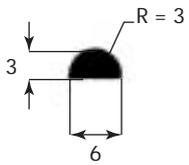


QUADRO ELICOIDALE

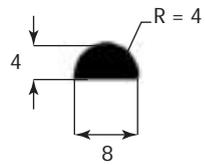
| A x Spessore m/m | Peso/mt |
|------------------|---------|
| 8 x 1 | 0,240 |
| 10 x 1 | 0,309 |
| 12 x 1 | 0,386 |
| 20 x 1 | 0,645 |

PROFILATI SPECIALI

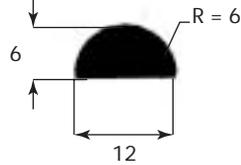
Art. 504 124 gr/mt



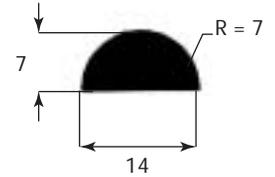
Art. 505 215 gr/mt



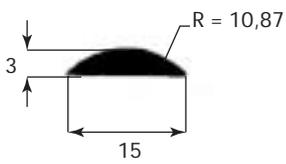
Art. 509 480 gr/mt



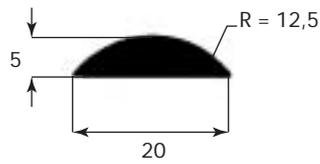
Art. 513 640 gr/mt



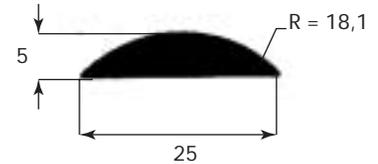
Art. 523 341 gr/mt



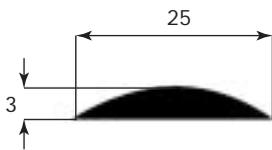
Art. 526 675 gr/mt



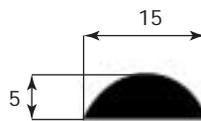
Art. 535 950 gr/mt



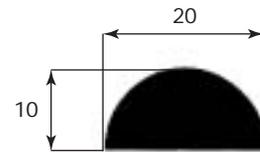
Art. 1808 426 gr/mt



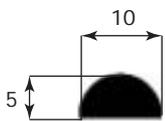
Art. 543 450 gr/mt



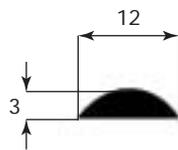
Art. 581 1325 gr/mt



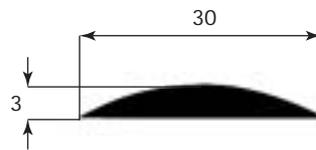
Art. 556 335 gr/mt



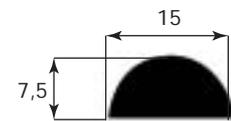
Art. 557 235 gr/mt



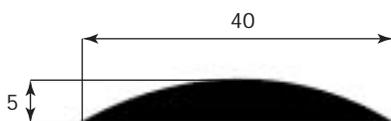
Art. 580 640 gr/mt



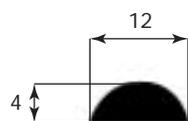
Art. 572 715 gr/mt



Art. 547 1327 gr/mt



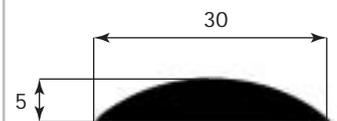
Art. 551 430 gr/mt



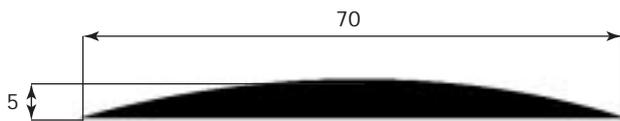
Art. 552 685 gr/mt



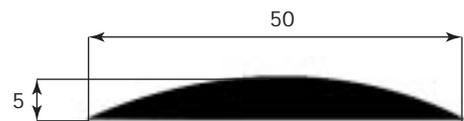
Art. 553 940 gr/mt



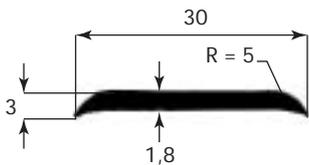
Art. 565 2100 gr/mt



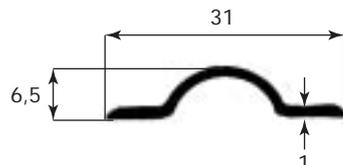
Art. 589 1268 gr/mt



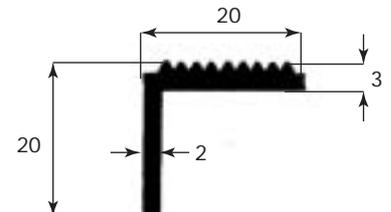
Art. 616 420 gr/mt



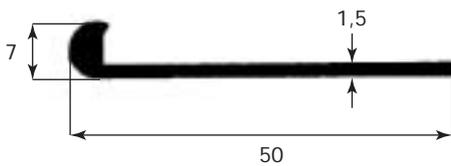
Art. 634 350 gr/mt



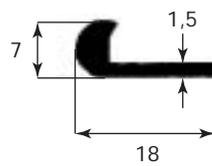
Art. 603 615 gr/mt



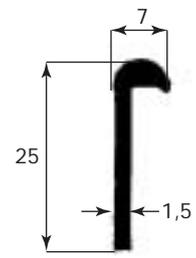
Art. 16 726 gr/mt



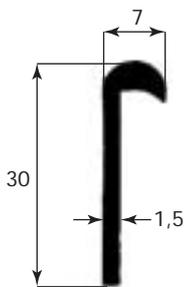
Art. 17 315 gr/mt



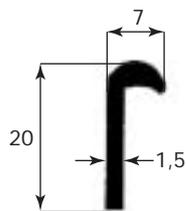
Art. 112 416 gr/mt



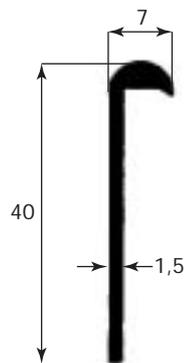
Art. 113 476 gr/mt



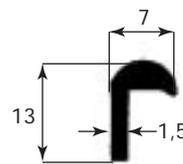
Art. 1176 328 gr/mt



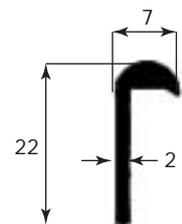
Art. 115 596 gr/mt



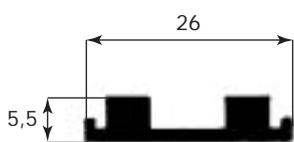
Art. 116 272 gr/mt



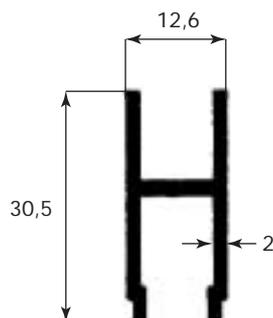
Art. 6 435 gr/mt



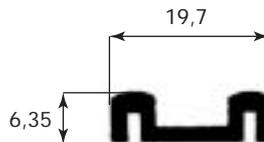
Art. 403 711 gr/mt



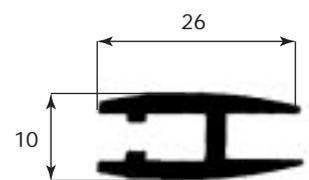
Art. 405 1236 gr/mt



Art. 424 450 gr/mt

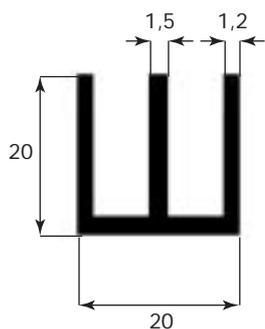


Art. 425 777 gr/mt

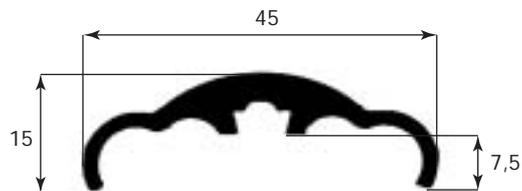


PROFILATI SPECIALI

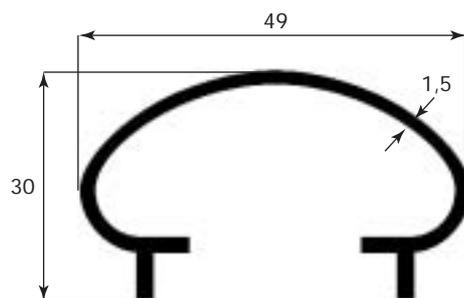
Art. 1217 656 gr/mt



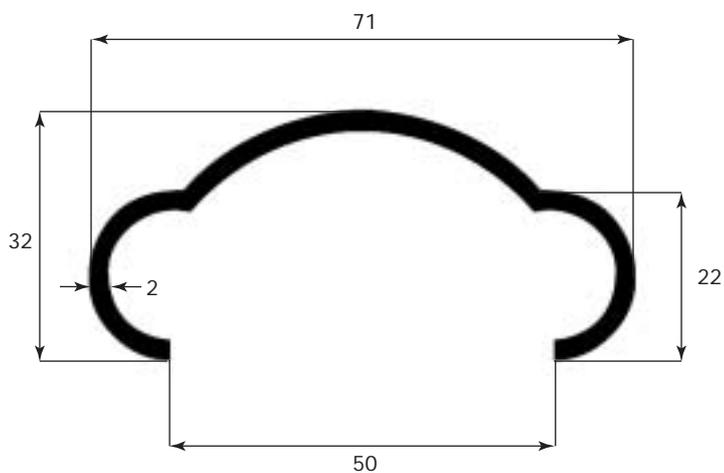
Art. 2588 1130 gr/mt



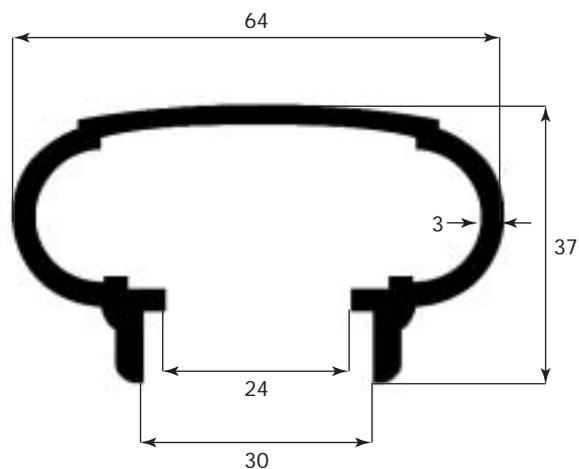
Art. 3057 1400 gr/mt



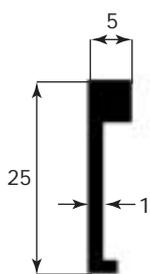
Art. 2592 2040 gr/mt



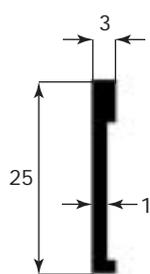
Art. 4849 4705 gr/mt



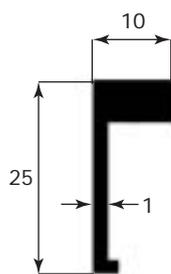
Art. 12698 395 gr/mt



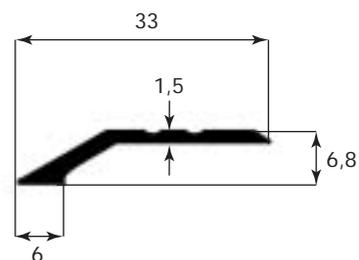
Art. 12696 311 gr/mt



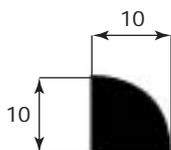
Art. 12703 605 gr/mt



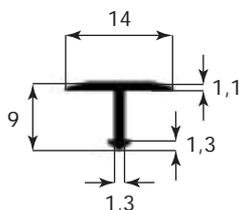
Art. 3769 460 gr/mt



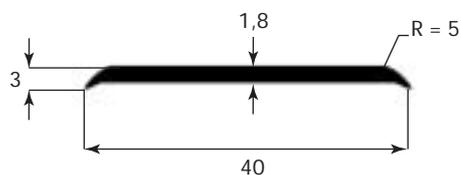
Profilo mattonella 10 x 10 667 gr/mt



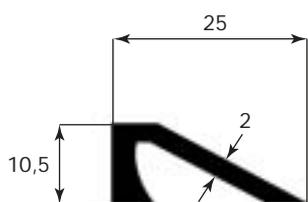
Art. 6701 229 gr/mt



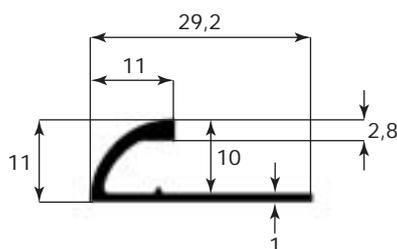
Art. 618 565 gr/mt



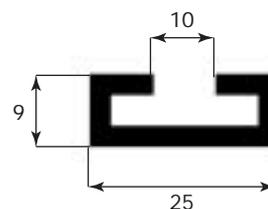
Art. 7124 680 gr/mt



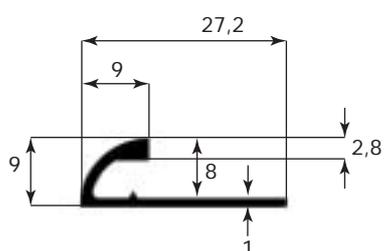
Art. 7511 526 gr/mt



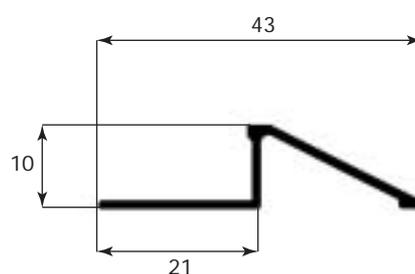
Art. 265 807 gr/mt



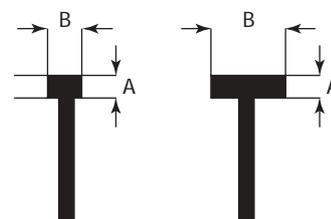
Art. 7510 445 gr/mt



Art. 7709 562 gr/mt



BANDELLE FORATE IN OTTONE PER PAVIMENTI



| | mm 5 x 5 x 25 x 2000 | mm 10 x 5 x 25 x 2000 |
|---------------------------|----------------------|-----------------------|
| Altezza del gradino (A) | mm 5 | mm 5 |
| Larghezza del gradino (B) | mm 5 | mm 10 |
| Altezza totale | mm 25 | mm 25 |
| Lunghezza aste | mm 2000 | mm 2000 |
| Peso | mt. gr. 290/300 | mt. gr. 500 |