



PRODOTTI SIDERURGICI
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DIREZIONE
 UFFICI
 MAGAZZINO

TAURICHINI FERRO®







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INDICE

| | |
|--|---------|
| TONDI - QUADRI | pag. 5 |
| PIATTI - LARGHI PIATTI | » 6 |
| PIATTI - LARGHI PIATTI | » 7 |
| FERRO A "U" SERIE NORMALE (UNI 5680-73) | » 8 |
| FERRO A "U" SERIE SPECIALE (EU 54) | » 8 |
| L (serie normale) | » 9 |
| T (serie normale) | » 9 |
| ANGOLARI (spigoli tondi) | » 10 |
| TRAVI NP NORMAL PROFILO (UNI 5679-73) | » 11 |
| TRAVI NP sollecitate a flessione | » 12 |
| IPE AD ALI PARALLELE (UNI 5398-78) | » 13 |
| IPE IPE sollecitate a flessione | » 14 |
| HEA TRAVI AD ALI PARALLELE serie alleggerita (UNI 5397-64) | » 15 |
| HEB TRAVI AD ALI LARGHE PARALLELE serie normale (UNI 5397-64) | » 16 |
| HEM TRAVI AD ALI LARGHE PARALLELE serie rinforzate (UNI 5397-64) | » 17 |
| TRAVI HE sollecitate a flessione | » 18 |
| TRAVI HE sollecitate a flessione | » 19 |
| TONDO ALETTATO VARI DIAMETRI BARRE DA 6 E 12 | » 20 |
| RETI ELETTROSALDATE STANDARD formati 3000 x 2000 e 4000 x 2250 | » 20 |
| RETE ONDULATA A MAGLIA QUADRA | » 21 |
| LAMIERE | » 22 |
| LAMIERE ZINCATE (piane e ondulate) | » 22 |
| TUBO "GAS" SENZA SALDATURA (serie normale nero e zincato) | » 23 |
| TUBO "GAS" SALDATO - DALMINE F.M. (FRETZ-MOON) (serie leggera) | » 23 |
| TUBO SALDATO "MOBILIO" (ricavato da nastro a freddo e a caldo) | » 24 |
| TUBO SALDATO "CARPENTERIA" | » 25 |
| TUBOLARI QUADRI | » 26 |
| TUBOLARI RETTANGOLARI (EN 10219-2:1997) | » 27 |
| TUBOLARI RETTANGOLARI (EN 10219-2:1997) | » 28 |
| TUBOLARI PER SERRAMENTI | » 29/35 |
| TUBOLARI MANCORRENTI | » 36 |
| TUBOLARI ASOLATI | » 37 |
| MONOROTAIE E CARRELLI | » 38 |
| ANGOLARI LEGGERI | » 39 |
| "U" PROFILATO LEGGERO | » 40 |
| PROFILATO A "OMEGA" | » 41 |
| PROFILATO LEGGERO A "C" | » 41 |

| | | |
|---|---|----|
| PALETTI IN FERRO A "T" PER RECINZIONI | » | 42 |
| FILO DI FERRO NERO E ZINCATO | » | 42 |
| GRIGLIA A MAGLIA SCIOLTA PER RECINZIONI, ZINCATA E PLASTIFICATA | » | 43 |
| FILO SPINATO | » | 43 |
| LAMIERE FORATE | » | 44 |
| GRADINI ZINCATI, GRIGLIATO ELETTROFORGIATO | » | 45 |
| PANNELLI COIBENTATI PER TAMPONATURA | » | 46 |
| LAMIERE GRECATE IN ACCIAIO, ZINCATO E PREVERNICIATE TIPO EGB 401 PER COPERTURE | » | 47 |
| GRECATO PER SOLAIO | » | 47 |
| FONDI BOMBATI | » | 48 |
| COMPONENTI IN ACCIAIO INOX | » | 49 |
| FERRO BATTUTO | » | 50 |

TONDI - QUADRI

| Misura | Peso Kg/m | | Misura | Peso Kg/m | | Misura | Peso Kg/m | |
|--------|---|---|--------|---|---|--------|---|--|
| mm. |  |  | mm. |  |  | mm. |  |  |
| 3 | 0,055 | 0,071 | 29 | 5,18 | 6,60 | 100 | 61,7 | 78,5 |
| 4 | 0,099 | 0,125 | 30 | 5,55 | 7,07 | 105 | 68,0 | 86,6 |
| 5 | 0,154 | 0,196 | 31 | 5,93 | 7,54 | 110 | 74,6 | 95 |
| 6 | 0,222 | 0,283 | 32 | 6,31 | 8,04 | 115 | 81,5 | 104 |
| 7 | 0,302 | 0,385 | 33 | 6,71 | 8,55 | 120 | 88,8 | 113 |
| 8 | 0,395 | 0,502 | 34 | 7,13 | 9,07 | 125 | 96,3 | 123 |
| 9 | 0,499 | 0,636 | 35 | 7,55 | 9,62 | 130 | 104 | 133 |
| 10 | 0,617 | 0,785 | 36 | 7,99 | 10,20 | 135 | 112 | 143 |
| 11 | 0,746 | 0,95 | 37 | 8,44 | 10,75 | 140 | 121 | 154 |
| 12 | 0,888 | 1,13 | 38 | 8,90 | 11,3 | 145 | 130 | 165 |
| 13 | 1,040 | 1,33 | 39 | 9,38 | 11,9 | 150 | 139 | 177 |
| 14 | 1,210 | 1,54 | 40 | 9,86 | 12,6 | 160 | 158 | 201 |
| 15 | 1,390 | 1,77 | 42 | 10,9 | 13,8 | 170 | 178 | 227 |
| 16 | 1,58 | 2,01 | 44 | 11,9 | 15,2 | 180 | 200 | 254 |
| 17 | 1,78 | 2,27 | 45 | 12,5 | 15,9 | 190 | 222 | 283 |
| 18 | 2,00 | 2,54 | 48 | 14,2 | 18,1 | 200 | 246 | 314 |
| 19 | 2,23 | 2,83 | 50 | 15,4 | 19,6 | 210 | 272 | 346 |
| 20 | 2,47 | 3,14 | 55 | 18,7 | 23,7 | 220 | 298 | 380 |
| 21 | 2,72 | 3,46 | 60 | 22,2 | 28,3 | 230 | 326 | 415 |
| 22 | 2,98 | 3,80 | 65 | 26,0 | 33,2 | 240 | 355 | 452 |
| 23 | 3,26 | 4,15 | 70 | 30,2 | 38,5 | 250 | 385 | 491 |
| 24 | 3,55 | 4,52 | 75 | 34,7 | 44,2 | 260 | 417 | 531 |
| 25 | 3,85 | 4,91 | 80 | 39,5 | 50,2 | 270 | 449 | 572 |
| 26 | 4,17 | 5,31 | 85 | 44,5 | 56,7 | 280 | 483 | 615 |
| 27 | 4,49 | 5,72 | 90 | 49,5 | 63,6 | 290 | 518 | 660 |
| 28 | 4,83 | 6,15 | 95 | 55,6 | 70,9 | 300 | 555 | 706 |

PIATTI - LARGHI PIATTI

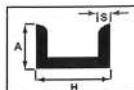
| Largh. mm. | Peso Kg/m | | | | | | |
|---------------|--------------|-------|-------|-------|-------|-------|-------|
| | Spessore mm. | | | | | | |
| | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
| 10 | 0,236 | 0,314 | 0,392 | 0,471 | 0,550 | 0,628 | - |
| 12 | 0,238 | 0,377 | 0,471 | 0,565 | 0,659 | 0,735 | 0,94 |
| 15 | 0,353 | 0,471 | 0,589 | 0,706 | 0,824 | 0,942 | 1,18 |
| 16 | 0,377 | 0,502 | 0,628 | 0,756 | 0,879 | 1,00 | 1,26 |
| 18 | 0,424 | 0,565 | 0,706 | 0,848 | 0,989 | 1,13 | 1,41 |
| 20 | 0,471 | 0,628 | 0,785 | 0,942 | 1,10 | 1,26 | 1,57 |
| 25 | 0,589 | 0,785 | 0,981 | 1,18 | 1,37 | 1,57 | 1,96 |
| 30 | 0,707 | 0,942 | 1,18 | 1,41 | 1,65 | 1,88 | 2,36 |
| 35 | 0,824 | 1,10 | 1,37 | 1,65 | 1,92 | 2,20 | 2,75 |
| 40 | 0,942 | 1,26 | 1,57 | 1,88 | 2,20 | 2,51 | 3,14 |
| 45 | 1,06 | 1,41 | 1,77 | 2,12 | 2,47 | 2,83 | 3,53 |
| 50 | 1,18 | 1,57 | 1,96 | 2,36 | 2,75 | 3,14 | 3,92 |
| 55 | 1,29 | 1,73 | 2,16 | 2,59 | 3,02 | 3,45 | 4,32 |
| 60 | 1,41 | 1,88 | 2,36 | 2,83 | 3,30 | 3,77 | 4,71 |
| 65 | 1,53 | 2,04 | 2,55 | 3,06 | 3,57 | 4,08 | 5,10 |
| 70 | 1,65 | 2,20 | 2,75 | 3,30 | 3,85 | 4,40 | 5,50 |
| 80 | 1,88 | 2,51 | 3,14 | 3,77 | 4,40 | 5,02 | 6,28 |
| 90 | 2,12 | 2,83 | 3,53 | 4,24 | 4,95 | 5,65 | 7,06 |
| 100 | 2,36 | 3,14 | 3,93 | 4,71 | 5,50 | 6,28 | 7,85 |
| 110 | 2,59 | 3,45 | 4,32 | 5,18 | 6,04 | 6,91 | 8,64 |
| 120 | 2,83 | 3,77 | 4,71 | 5,65 | 6,59 | 7,54 | 9,42 |
| 130 | - | - | 5,10 | 6,12 | 7,14 | 8,16 | 10,20 |
| 140 | - | - | - | 6,59 | 7,69 | 8,79 | 11,00 |
| 150 | - | - | - | 7,06 | 8,24 | 9,42 | 11,80 |
| 160 | - | - | - | - | - | 10,00 | 12,60 |
| 180 | - | - | - | - | - | 11,30 | 14,00 |
| 200 | - | - | - | - | - | 12,60 | 15,70 |
| 220 | - | - | - | - | - | 13,82 | 17,50 |
| 250 | - | - | - | - | - | - | 20,00 |
| 280 | - | - | - | - | - | - | 20,00 |
| 300 | - | - | - | - | - | - | 24,00 |
| 350 | - | - | - | - | - | - | 27,48 |
| 400 | - | - | - | - | - | - | 31,40 |
| 500 | - | - | - | - | - | - | 39,25 |

PIATTI - LARGHI PIATTI

| Largh. mm. | Peso Kg/m | | | | | | | | |
|---------------|--------------|-------|-------|-------|--------|--------|--------|--------|--------|
| | Spessore mm. | | | | | | | | |
| | 12 | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 |
| 10 | - | - | - | - | - | - | - | - | - |
| 12 | - | - | - | - | - | - | - | - | - |
| 15 | - | - | - | - | - | - | - | - | - |
| 16 | - | - | - | - | - | - | - | - | - |
| 18 | - | - | - | - | - | - | - | - | - |
| 20 | 1,88 | 2,36 | - | - | - | - | - | - | - |
| 25 | 2,36 | 2,94 | 3,93 | - | - | - | - | - | - |
| 30 | 2,83 | 3,53 | 4,71 | 5,89 | - | - | - | - | - |
| 35 | 3,30 | 4,19 | 5,50 | 6,85 | 8,24 | - | - | - | - |
| 40 | 3,77 | 4,71 | 6,28 | 7,85 | 9,42 | - | - | - | - |
| 45 | 4,24 | 5,30 | 7,06 | 8,83 | 10,60 | 12,36 | 14,13 | - | - |
| 50 | 4,71 | 5,89 | 7,85 | 9,81 | 11,80 | 13,70 | 15,70 | - | - |
| 55 | 5,18 | 6,48 | 8,64 | 10,80 | 13,00 | 15,11 | 17,27 | 21,59 | - |
| 60 | 5,65 | 7,05 | 9,42 | 11,80 | 14,10 | 16,50 | 18,80 | 23,55 | - |
| 65 | 6,12 | 8,24 | 10,20 | 12,80 | 15,30 | 17,86 | 20,40 | 25,51 | - |
| 70 | 6,59 | 8,24 | 11,00 | 13,70 | 16,50 | 19,20 | 22,00 | 27,50 | - |
| 80 | 7,54 | 9,42 | 12,60 | 15,70 | 18,80 | 22,00 | 25,10 | 31,40 | 37,70 |
| 90 | 8,48 | 10,60 | 14,10 | 17,70 | 21,20 | 24,70 | 28,30 | 35,30 | 42,40 |
| 100 | 9,42 | 11,80 | 15,70 | 19,60 | 23,60 | 27,50 | 31,40 | 39,20 | 47,10 |
| 110 | 10,40 | 13,00 | 17,30 | 21,60 | 25,90 | 30,20 | 35,50 | 43,20 | 51,80 |
| 120 | 11,30 | 14,10 | 18,80 | 23,60 | 28,30 | 33,00 | 37,70 | 47,10 | 56,50 |
| 130 | 12,20 | 15,30 | 20,40 | 25,50 | 30,60 | 35,70 | 40,80 | 51,00 | 61,20 |
| 140 | 13,20 | 16,50 | 22,00 | 27,50 | 33,00 | 38,50 | 44,00 | 55,00 | 65,90 |
| 150 | 14,10 | 17,70 | 23,60 | 29,40 | 35,30 | 41,20 | 47,10 | 59,90 | 70,60 |
| 160 | 15,10 | 18,80 | 25,10 | 31,40 | 37,70 | 44,00 | 50,20 | 62,80 | 75,40 |
| 180 | 16,80 | 21,00 | 28,20 | 35,00 | 42,50 | 49,50 | 56,50 | 70,70 | 84,80 |
| 200 | 18,80 | 23,60 | 31,40 | 39,20 | 47,10 | 55,00 | 63,00 | 79,00 | 94,20 |
| 220 | 21,00 | 26,50 | 35,20 | 44,00 | 53,00 | 61,00 | 70,00 | 88,00 | 103,62 |
| 250 | 24,00 | 30,00 | 40,00 | 50,00 | 60,00 | 70,00 | 80,00 | 100,00 | 117,80 |
| 280 | 26,40 | 33,00 | 44,00 | 55,00 | 65,90 | 76,90 | 87,90 | 110,00 | - |
| 300 | 29,00 | 36,00 | 48,00 | 60,00 | 72,00 | 84,00 | 96,00 | 120,00 | - |
| 350 | 32,97 | 41,21 | 54,95 | 68,69 | 82,43 | 96,16 | 109,90 | 137,38 | 164,85 |
| 400 | 37,68 | 47,10 | 62,80 | 78,50 | 94,20 | 109,90 | 125,00 | 157,60 | 188,40 |
| 500 | 47,10 | 58,88 | 78,50 | 98,12 | 117,75 | 137,38 | 157,00 | 196,25 | 235,05 |

FERRO A "U" SERIE NORMALE

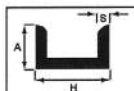
UNI 5680-73



| H mm. | A mm. | S mm. | Peso Kg/m | Sez. cm ² | valori statici relativi agli assi neutri xx-yy | | | | | | superficie | |
|----------|----------|----------|--------------|-------------------------|--|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|----------------------|--------------------------|--------------------------|
| | | | | | J _x cm ⁴ | W _x cm ³ | j _x cm | J _y cm ⁴ | W _y cm ³ | j _y cm | S/M m ² /m | S/P m ² /t |
| 30 | 33 | 5 | 4,27 | 5,44 | 36,39 | 4,26 | 1,08 | 2,60 | 5,1 | 0,968 | 0,170 | - |
| 40 | 35 | 5 | 4,88 | 6,21 | 14,1 | 7,07 | 1,51 | 3,08 | 6,68 | 1,04 | 0,198 | - |
| 50 | 38 | 5 | 5,59 | 7,12 | 26,5 | 10,6 | 1,93 | 3,74 | 9,1 | 1,13 | 0,229 | - |
| 65 | 42 | 5,5 | 7,09 | 9,03 | 57,5 | 17,7 | 2,52 | 5,05 | 14,0 | 1,25 | 0,273 | - |
| 80 | 45 | 6 | 8,65 | 11,0 | 106 | 26,5 | 3,10 | 6,35 | 19,4 | 1,33 | 0,312 | 36,13 |
| 100 | 50 | 6 | 10,6 | 13,5 | 205 | 41,1 | 3,91 | 8,45 | 29,1 | 1,47 | 0,372 | 35,10 |
| 120 | 55 | 7 | 13,3 | 17,0 | 364 | 60,7 | 4,63 | 11,1 | 43,1 | 1,59 | 0,434 | 32,52 |
| 140 | 60 | 7 | 16,0 | 20,4 | 605 | 86,4 | 5,45 | 14,7 | 62,5 | 1,75 | 0,489 | 30,54 |
| 160 | 65 | 7,5 | 18,9 | 24,0 | 925 | 116 | 6,21 | 18,2 | 85,1 | 1,88 | 0,546 | 29,98 |
| 180 | 70 | 8 | 22,0 | 28,0 | 1354 | 150 | 6,96 | 22,4 | 114 | 2,01 | 0,611 | 27,80 |
| 200 | 75 | 8,5 | 25,3 | 32,2 | 1911 | 191 | 7,71 | 26,9 | 148 | 2,14 | 0,661 | 26,15 |
| 220 | 80 | 9 | 29,4 | 37,4 | 2691 | 245 | 8,48 | 33,5 | 196 | 2,29 | 0,718 | 24,46 |
| 240 | 85 | 9,5 | 33,2 | 42,3 | 3599 | 300 | 9,22 | 39,5 | 247 | 2,42 | 0,775 | 23,34 |
| 260 | 90 | 10 | 37,9 | 48,3 | 4824 | 371 | 10,0 | 47,8 | 317 | 2,56 | 0,834 | 22 |
| 280 | 95 | 10 | 41,9 | 53,4 | 6276 | 448 | 10,8 | 57,2 | 398 | 2,73 | 0,891 | 21,27 |
| 300 | 100 | 10 | 46,1 | 58,8 | 8028 | 535 | 11,7 | 67,6 | 493 | 2,90 | 0,949 | 20,58 |

FERRO A "U" SERIE SPECIALE

EU 54



| H mm. | A mm. | S mm. | Peso Kg/m | Sez. cm ² | valori statici relativi agli assi neutri xx-yy | | | | | | superficie |
|----------|----------|----------|--------------|-------------------------|--|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|----------------------|--------------------------|
| | | | | | J _x cm ⁴ | W _x cm ³ | j _x cm | J _y cm ⁴ | W _y cm ³ | j _y cm | S/M m ² /m |
| 25 | 12 | 4 | 1,30 | 1,66 | 1,24 | 0,99 | 0,864 | 0,171 | 0,219 | 0,321 | 0,085 |
| 30 | 15 | 5 | 1,90 | 2,53 | 2,71 | 1,81 | 1,04 | 0,411 | 0,424 | 0,403 | 0,106 |
| 35 | 17 | 5,5 | 2,52 | 3,21 | 4,75 | 2,71 | 1,22 | 0,665 | 0,599 | 0,455 | 0,113 |
| 40 | 20 | 6 | 3,23 | 4,11 | 8,11 | 4,05 | 1,40 | 1,21 | 0,917 | 0,542 | 0,142 |
| 50 | 25 | 6 | 4,15 | 5,28 | 17,13 | 6,91 | 1,81 | 2,51 | 1,47 | 0,689 | 0,181 |
| 60 | 30 | 6,5 | 5,45 | 6,94 | 33,4 | 11,10 | 2,19 | 4,79 | 2,31 | 0,830 | 0,218 |



ELLE (serie normale)



T (serie normale)

| Dimensioni mm. | Peso Kg/m | Dimensioni mm. | Peso Kg/m | Dimensioni mm. | Peso Kg/m |
|----------------|-----------|----------------|-----------|----------------|-----------|
| • 20x12x4 | 0,88 | 80x60x8 | 8,33 | 20x20x4 | 1,13 |
| • 25x15x4,5 | 1,25 | 80x60x10 | 10,2 | • 25x25x3,5 | 1,28 |
| • 30x17,5x5 | 1,67 | 100x50x8 | 8,99 | 25x25x4,5 | 1,61 |
| 30x20x4 | 1,46 | 100x50x10 | 11,1 | • 30x30x4 | 1,77 |
| 35x20x4 | 1,61 | 100x65x7 | 8,77 | 30x30x5 | 2,16 |
| • 35x20x5,5 | 2,14 | 100x65x8 | 9,95 | • 35x35x4,5 | 2,33 |
| 40x20x4 | 1,77 | 100x65x9 | 11,1 | 35x35x5,5 | 2,78 |
| 40x20x5 | 2,17 | 100x65x10 | 12,25 | • 40x40x5 | 2,96 |
| • 40x22x6 | 2,64 | 100x65x11 | 13,4 | 40x40x6 | 3,49 |
| 40x25x4 | 1,92 | 110x75x8 | 11,2 | 45x45x6,5 | 4,26 |
| 40x25x5 | 2,37 | 110x75x10 | 13,8 | 50x50x7 | 5,11 |
| 45x30x4 | 2,25 | 120x60x8 | 10,9 | 60x60x7 | 6,23 |
| 45x30x5 | 2,77 | 120x60x10 | 13,4 | 70x70x8 | 8,32 |
| 45x30x6 | 3,27 | 120x80x8 | 12,2 | 80x80x9 | 10,70 |
| 50x30x5 | 2,96 | 120x80x10 | 15,0 | 100x100x11 | 16,40 |
| 50x30x6 | 3,51 | 120x80x12 | 17,8 | | |
| 60x30x5 | 3,37 | 130x65x8 | 11,9 | | |
| 60x30x6 | 3,99 | 130x65x10 | 14,6 | | |
| 60x40x5 | 3,76 | 130x65x12 | 17,3 | | |
| 60x40x6 | 4,56 | 150x100x10 | 19,3 | | |
| 60x40x7 | 5,14 | 150x100x12 | 22,6 | | |
| 75x50x6 | 5,65 | 150x100x14 | 26,1 | | |
| 75x50x7 | 6,53 | 150x100x15 | 27,8 | | |
| 75x50x8 | 7,40 | 200x100x10 | 23,0 | | |
| 80x40x6 | 5,41 | 200x100x12 | 27,3 | | |
| 80x40x8 | 7,07 | 200x100x14 | 31,6 | | |
| 80x60x7 | 7,36 | 200x100x16 | 35,9 | | |

• Serie alleggerita

• Serie speciale a spigoli vivi



ANGOLARI (spigoli tondi)

| Dimensioni mm. | Peso Kg/m | Dimensioni mm. | Peso Kg/m |
|-------------------|--------------|-------------------|--------------|
| 15x15x3 | 0,643 | 100x100x8 | 12,20 |
| 20x20x3 | 0,879 | 100x100x10 | 15,10 |
| 20x20x4 | 1,14 | 100x100x11 | 16,40 |
| 25x25x3 | 1,11 | 100x100x12 | 17,80 |
| 25x25x4 | 1,45 | 100x100x14 | 20,60 |
| 25x25x5 | 1,77 | 110x110x10 | 16,60 |
| 25x25x6 | 2,10 | 110x110x12 | 19,70 |
| 30x30x3 | 1,36 | 110x110x14 | 22,80 |
| 30x30x4 | 1,78 | 120x120x7 | 13,00 |
| 30x30x5 | 2,18 | 120x120x8 | 14,75 |
| 30x30x6 | 2,58 | 120x120x9 | 16,40 |
| 35x35x4 | 2,09 | 120x120x10 | 18,20 |
| 35x35x5 | 2,57 | 120x120x11 | 19,90 |
| 35x35x6 | 3,04 | 120x120x12 | 21,60 |
| 40x40x4 | 2,42 | 120x120x13 | 23,30 |
| 40x40x5 | 2,97 | 120x120x15 | 26,60 |
| 40x40x6 | 3,52 | 130x130x10 | 19,80 |
| 45x45x5 | 3,38 | 130x130x11 | 21,60 |
| 45x45x6 | 3,99 | 130x130x12 | 23,60 |
| 50x50x5 | 3,77 | 130x130x13 | 25,50 |
| 50x50x6 | 4,47 | 130x130x14 | 27,20 |
| 50x50x7 | 5,15 | 140x140x12 | 25,63 |
| 50x50x8 | 5,81 | 140x140x13 | 27,50 |
| 50x50x9 | 6,47 | 140x140x15 | 31,40 |
| 55x55x5 | 4,16 | 150x150x10 | 23,00 |
| 55x55x6 | 4,95 | 150x150x11 | 31,40 |
| 60x60x5 | 4,57 | 150x150x12 | 27,30 |
| 60x60x6 | 5,42 | 150x150x14 | 31,60 |
| 60x60x8 | 7,09 | 150x150x15 | 33,80 |
| 65x65x5 | 4,96 | 150x150x16 | 35,90 |
| 65x65x6 | 5,91 | 150x150x17 | 38,00 |
| 65x65x7 | 6,83 | 150x150x18 | 40,10 |
| 65x65x8 | 7,73 | 150x150x19 | 42,00 |
| 70x70x7 | 7,38 | 150x150x20 | 44,20 |
| 70x70x8 | 8,36 | 100x100x12 | 33,00 |
| 70x70x9 | 9,34 | 180x180x14 | 38,40 |
| 70x70x11 | 11,23 | 180x180x15 | 41,00 |
| 80x80x8 | 9,66 | 180x180x16 | 43,63 |
| 80x80x9 | 10,75 | 180x180x18 | 48,53 |
| 80x80x10 | 11,85 | 200x200x14 | 42,90 |
| 80x80x12 | 14,00 | 200x200x16 | 48,60 |
| 90x90x8 | 10,90 | 200x200x18 | 54,30 |
| 90x90x9 | 12,20 | 200x200x20 | 59,90 |
| 90x90x10 | 13,40 | 200x200x22 | 65,60 |
| 90x90x11 | 14,70 | 200x200x25 | 76,90 |
| 100x100x7 | 10,80 | 250x250x25 | 93,50 |

TRAVI NP NORMAL PROFILO

UNI 5679-73



| Desi- gnaz. | Peso kg/m | Sez. cm ² | Dimensioni | | | | | caratteristiche riferite all'asse neutro | | | | | |
|----------------|--------------|-------------------------|------------|---------|---------|---------|---------|--|--------------------------------------|-------------|--------------------------|--------------------------------------|-------------|
| | | | h mm | b mm | a mm | e mm | r mm | x - x | | | y - y | | |
| | | | | | | | | j_x cm ⁴ | $\frac{j_x}{V_2}$ cm ³ | I_x cm | J_y cm ⁴ | $\frac{J_y}{V_y}$ cm ³ | I_y cm |
| 80 | 5,95 | 7,58 | 80 | 42 | 3,9 | 5,76 | 3,9 | 77,8 | 19,5 | 3,20 | 6,29 | 3,00 | 0,91 |
| 100 | 8,32 | 10,6 | 100 | 50 | 4,5 | 6,64 | 4,5 | 171 | 34,2 | 4,01 | 12,2 | 4,88 | 1,07 |
| 120 | 11,20 | 14,2 | 120 | 58 | 5,1 | 7,52 | 5,1 | 328 | 54,7 | 4,81 | 21,5 | 7,41 | 1,23 |
| 140 | 14,40 | 18,3 | 140 | 66 | 5,7 | 8,40 | 5,7 | 573 | 81,9 | 5,61 | 35,2 | 10,7 | 1,40 |
| 160 | 17,90 | 22,8 | 160 | 74 | 6,3 | 9,28 | 6,3 | 935 | 117 | 6,40 | 54,7 | 14,8 | 1,55 |
| 180 | 21,9 | 27,9 | 180 | 82 | 6,9 | 10,16 | 6,9 | 1446 | 161 | 7,20 | 81,3 | 19,8 | 1,71 |
| 200 | 26,3 | 33,5 | 200 | 90 | 7,5 | 11,04 | 7,5 | 2142 | 214 | 8,00 | 117 | 26,0 | 1,87 |
| 220 | 31,1 | 39,6 | 220 | 98 | 8,1 | 11,92 | 8,1 | 3060 | 278 | 8,80 | 162 | 33,1 | 2,02 |
| 240 | 36,2 | 46,1 | 240 | 106 | 8,7 | 12,80 | 8,7 | 4246 | 354 | 9,59 | 221 | 41,7 | 2,20 |
| 260 | 41,9 | 53,4 | 260 | 113 | 9,4 | 13,77 | 9,4 | 5744 | 442 | 10,4 | 288 | 51,0 | 2,32 |
| 280 | 48,0 | 61,1 | 280 | 119 | 10,1 | 14,85 | 10,1 | 7587 | 542 | 11,1 | 364 | 61,2 | 2,45 |
| 300 | 54,2 | 69,1 | 300 | 125 | 10,8 | 15,82 | 10,8 | 9800 | 653 | 11,9 | 451 | 72,2 | 2,56 |
| 320 | 61,1 | 77,8 | 320 | 131 | 11,5 | 16,90 | 11,5 | 12510 | 782 | 12,7 | 555 | 84,7 | 2,67 |
| 340 | 68,1 | 86,8 | 340 | 137 | 12,2 | 17,87 | 12,2 | 15700 | 923 | 13,5 | 674 | 98,4 | 2,80 |
| 360 | 76,2 | 97,1 | 360 | 143 | 13 | 19,05 | 13 | 19610 | 1089 | 14,2 | 818 | 114 | 2,90 |
| 380 | 84,0 | 107 | 380 | 149 | 13,7 | 20,02 | 13,7 | 24010 | 1264 | 15,0 | 975 | 131 | 3,02 |
| 400 | 92,6 | 118 | 400 | 155 | 14,4 | 21,10 | 14,4 | 29210 | 1461 | 15,7 | 1158 | 149 | 3,13 |

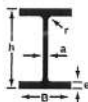
TRAVI NP sollecitate a flessione

carico totale in kg uniformemente distribuito
acciaio con carico di sicurezza OK=16 kg/mm²

| mm | Carichi massimi in kg riferiti a sistanza dagli appoggi di metri: | | | | | | | | | | | |
|-----|---|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 | 6 | 7 | 8 | 9 | 10 |
| 80 | 1410 | 1122 | 930 | 791 | — | — | — | — | — | — | — | — |
| 100 | 2166 | 1725 | 1430 | 1218 | — | — | — | — | — | — | — | — |
| 120 | 3466 | 2682 | 2292 | 1954 | 1700 | — | — | — | — | — | — | — |
| 140 | 5202 | 4147 | 3441 | 2934 | 2552 | 2254 | 2012 | — | — | — | — | — |
| 160 | 7452 | 5945 | 4938 | 4216 | 3672 | 3247 | 2906 | — | — | — | — | — |
| 180 | 10260 | 8188 | 6803 | 5811 | 5064 | 4480 | 4012 | 3304 | — | — | — | — |
| 200 | 13644 | 10892 | 9050 | 7734 | 6743 | 5968 | 5326 | 4408 | 3731 | — | — | — |
| 220 | 17730 | 14156 | 11766 | 10057 | 8772 | 7766 | 6962 | 5744 | 4868 | — | — | — |
| 240 | — | 17984 | 14950 | 12782 | 11151 | 9876 | 8856 | 7312 | 6203 | 5338 | — | — |
| 260 | — | 20951 | 17320 | 14710 | 12780 | 11340 | 9990 | 8115 | 6660 | 5726 | — | — |
| 280 | — | — | 22640 | 19235 | 16751 | 14840 | 13500 | 10827 | 9110 | 7618 | — | — |
| 300 | — | — | 27651 | 23654 | 20647 | 18299 | 16420 | 13582 | 11546 | 9998 | 8783 | — |
| 320 | — | — | 29780 | 25425 | 22100 | 19575 | 17607 | 14466 | 12273 | 10615 | 9200 | 8135 |
| 340 | — | — | 37652 | 32470 | 28115 | 25050 | 22690 | 18511 | 17369 | 13609 | 11950 | 10666 |
| 360 | — | — | 46143 | 39486 | 34480 | 30572 | 27447 | 22729 | 19348 | 16783 | 14772 | 13153 |
| 380 | — | — | 54212 | 46314 | 40089 | 36124 | 31906 | 26691 | 22823 | 19815 | 17300 | 15475 |
| 400 | — | — | 62049 | 53015 | 46382 | 41135 | 36940 | 30608 | 26075 | 22638 | 19943 | 17776 |
| 425 | — | — | — | 63712 | 55485 | 49270 | 44429 | 36837 | 31050 | 27118 | 23511 | 20348 |
| 450 | — | — | — | 74018 | 64660 | 57358 | 51521 | 42717 | 36415 | 31640 | 27903 | 24898 |
| 475 | — | — | — | — | 76545 | 67288 | 60436 | 50230 | 42990 | 37106 | 32316 | 28999 |
| 500 | — | — | — | — | 87308 | 77462 | 69593 | 57726 | 49237 | 42808 | 37779 | 33739 |
| 550 | — | — | — | — | 114472 | 101625 | 91279 | 75749 | 64645 | 56240 | 49670 | 44394 |
| 600 | — | — | — | — | — | 130688 | 117431 | 97479 | 83217 | 72424 | 63991 | 57223 |

IPE TRAVI AD ALI PARALLELE

UNI 5398-78



| Desi- gnaz. | Peso kg/m | Sez. cm ² | Dimensioni | | | | | caratteristiche riferite all'asse neutro | | | | | |
|----------------|--------------|-------------------------|------------|---------|---------|---------|---------|--|--------------------------------------|-------------|--------------------------|--------------------------------------|-------------|
| | | | h mm | b mm | a mm | e mm | r mm | x - x | | | y - y | | |
| | | | | | | | | j_x cm ⁴ | $\frac{j_x}{V_x}$ cm ³ | I_x cm | J_y cm ⁴ | $\frac{J_y}{V_y}$ cm ³ | I_y cm |
| 80 | 6,00 | 7,64 | 80 | 46 | 3,8 | 5,2 | 5 | 80,1 | 20,0 | 3,24 | 8,49 | 3,69 | 1,05 |
| 100 | 8,10 | 10,3 | 100 | 55 | 4,1 | 5,7 | 7 | 171 | 34,2 | 4,07 | 15,9 | 5,79 | 1,24 |
| 120 | 10,4 | 13,2 | 120 | 64 | 4,4 | 6,3 | 7 | 318 | 53,0 | 4,90 | 27,7 | 8,65 | 1,45 |
| 140 | 12,9 | 16,4 | 140 | 73 | 4,7 | 6,9 | 7 | 541 | 77,3 | 5,74 | 44,9 | 12,3 | 1,65 |
| 160 | 15,8 | 20,1 | 160 | 82 | 5,0 | 7,4 | 9 | 869 | 109 | 6,58 | 68,3 | 16,7 | 1,84 |
| 180 | 18,8 | 23,9 | 180 | 91 | 5,3 | 8,0 | 9 | 1320 | 146 | 7,42 | 101 | 22,2 | 2,05 |
| 200 | 22,4 | 28,5 | 200 | 100 | 5,6 | 8,5 | 12 | 1940 | 194 | 8,26 | 142 | 28,5 | 2,24 |
| 220 | 26,3 | 33,4 | 220 | 110 | 5,9 | 9,2 | 12 | 2770 | 252 | 9,11 | 205 | 37,3 | 2,48 |
| 240 | 30,7 | 39,1 | 240 | 120 | 6,2 | 9,8 | 15 | 3890 | 324 | 9,97 | 284 | 47,3 | 2,69 |
| 270 | 36,1 | 45,9 | 270 | 135 | 6,6 | 10,2 | 15 | 5790 | 429 | 11,2 | 420 | 62,2 | 3,02 |
| 300 | 42,2 | 53,8 | 300 | 150 | 7,1 | 10,7 | 15 | 8360 | 557 | 12,5 | 604 | 80,5 | 3,35 |
| 330 | 49,1 | 62,6 | 330 | 160 | 7,5 | 11,5 | 18 | 11770 | 713 | 13,7 | 788 | 98,5 | 3,55 |
| 360 | 57,1 | 72,7 | 360 | 170 | 8,0 | 12,7 | 18 | 16270 | 904 | 15,0 | 1040 | 123 | 3,79 |
| 400 | 66,3 | 84,5 | 400 | 180 | 8,6 | 13,5 | 21 | 23130 | 1160 | 16,5 | 1320 | 146 | 3,95 |
| 450 | 77,6 | 98,8 | 450 | 190 | 9,4 | 14,6 | 21 | 33740 | 1500 | 18,5 | 1680 | 176 | 4,12 |
| 500 | 90,7 | 116 | 500 | 200 | 10,2 | 16,0 | 21 | 48200 | 1930 | 20,4 | 2140 | 214 | 4,31 |
| 550 | 106 | 134 | 550 | 210 | 11,1 | 17,2 | 24 | 67120 | 2440 | 22,3 | 2670 | 254 | 4,45 |
| 600 | 122 | 156 | 600 | 220 | 12,0 | 19,0 | 24 | 92080 | 3070 | 24,3 | 3390 | 308 | 4,66 |

TRAVI IPE sollecitate a flessione

carico totale in kg uniformemente distribuito
acciaio con carico di sicurezza OK=16 kg/mm²

| mm | Carichi massimi in kg riferiti a distanza dagli appoggi di metri: | | | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 | 6 | 7 | 8 | 9 | 10 |
| 80 | 1268 | 1009 | 835 | 710 | 620 | 560 | 450 | 350 | — | — | — | — |
| 100 | 2173 | 1731 | 1435 | 1222 | 1062 | 936 | 835 | 750 | 670 | 580 | — | — |
| 120 | 3371 | 2668 | 2230 | 1902 | 1654 | 1461 | 1305 | 1068 | 896 | 750 | — | — |
| 140 | 4921 | 3925 | 3259 | 2782 | 2482 | 2141 | 1914 | 1572 | 1323 | 1134 | 983 | — |
| 160 | 6944 | 5541 | 4603 | 3931 | 3425 | 3029 | 2711 | 2230 | 1882 | 1618 | 1408 | 1237 |
| 180 | 9306 | 7428 | 6173 | 5274 | 4597 | 4068 | 3644 | 3002 | 2538 | 2186 | 1907 | 1681 |
| 200 | 12371 | 9877 | 8210 | 7016 | 6118 | 5417 | 4854 | 4004 | 3391 | 2925 | 2557 | 2259 |
| 220 | — | 12837 | 10673 | 9124 | 7959 | 7050 | 6320 | 5219 | 4425 | 3822 | 3348 | 2964 |
| 240 | — | 16518 | 13732 | 11742 | 10265 | 9078 | 8141 | 6728 | 5710 | 4938 | 4332 | 3840 |
| 270 | — | 21274 | 18196 | 15563 | 13584 | 12040 | 10802 | 8935 | 7592 | 6575 | 5776 | 5130 |
| 300 | — | — | 23630 | 20222 | 17555 | 15654 | 14048 | 11629 | 9890 | 8574 | 7542 | 6708 |
| 330 | — | — | 30214 | 25903 | 22620 | 20060 | 18007 | 14916 | 12694 | 11015 | 9698 | 8635 |
| 360 | — | — | — | 32861 | 28700 | 25457 | 22857 | 18943 | 16130 | 14007 | 12343 | 11000 |
| 400 | — | — | — | — | 36855 | 32697 | 29364 | 24349 | 20747 | 18030 | 15901 | 14185 |
| 450 | — | — | — | — | — | 42317 | 38012 | 31534 | 26885 | 23379 | 20635 | 18424 |
| 500 | — | — | — | — | — | — | 48954 | 40629 | 34656 | 30154 | 26632 | 23797 |
| 550 | — | — | — | — | — | — | — | 51417 | 43875 | 38192 | 33748 | 30172 |
| 600 | — | — | — | — | — | — | — | 64761 | 55283 | 48144 | 42564 | 38076 |

HEA TRAVI AD ALI PARALLELE

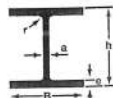
SERIE ALLEGGERITA UNI 5397-64



| Desi- gnaz. | Peso kg/m | Sez. cm ² | Dimensioni | | | | | caratteristiche riferite all'asse neutro | | | | | |
|----------------|--------------|-------------------------|------------|---------|---------|---------|---------|--|--------------------------------------|-------------|--------------------------|--------------------------------------|-------------|
| | | | h mm | b mm | a mm | e mm | r mm | x - x | | | y - y | | |
| | | | | | | | | j_x cm ⁴ | $\frac{j_x}{V_z}$ cm ³ | I_x cm | J_y cm ⁴ | $\frac{J_y}{V_y}$ cm ³ | I_y cm |
| 100 | 16,7 | 21,2 | 96 | 100 | 5 | 8 | 12 | 349 | 72,8 | 4,06 | 134 | 26,8 | 2,51 |
| 120 | 19,9 | 25,3 | 114 | 120 | 5 | 8 | 12 | 606 | 106 | 4,89 | 231 | 38,5 | 3,02 |
| 140 | 24,7 | 31,4 | 133 | 140 | 5,5 | 8,5 | 12 | 1030 | 155 | 5,73 | 389 | 55,6 | 3,52 |
| 160 | 30,4 | 38,8 | 152 | 160 | 6 | 9 | 15 | 1670 | 220 | 6,57 | 616 | 76,9 | 3,98 |
| 180 | 35,5 | 45,3 | 171 | 180 | 6 | 9,5 | 15 | 2510 | 294 | 7,45 | 925 | 103 | 4,52 |
| 200 | 42,3 | 53,8 | 190 | 200 | 6,5 | 10 | 18 | 3690 | 389 | 8,28 | 1340 | 134 | 4,98 |
| 220 | 50,5 | 64,3 | 210 | 220 | 7 | 11 | 18 | 5410 | 515 | 9,17 | 1950 | 178 | 5,51 |
| 240 | 60,3 | 76,8 | 230 | 240 | 7,5 | 12 | 21 | 7760 | 675 | 10,1 | 2770 | 231 | 6,00 |
| 260 | 68,2 | 86,8 | 250 | 260 | 7,5 | 12,5 | 24 | 10450 | 836 | 11,0 | 3670 | 282 | 6,50 |
| 280 | 76,4 | 97,3 | 270 | 280 | 8 | 13 | 24 | 13670 | 1010 | 11,9 | 4760 | 340 | 7,00 |
| 300 | 88,3 | 113 | 290 | 300 | 8,5 | 14 | 27 | 18260 | 1260 | 12,7 | 6310 | 421 | 7,49 |
| 320 | 97,6 | 124 | 310 | 300 | 9 | 15,5 | 27 | 22930 | 1480 | 13,6 | 6990 | 466 | 7,49 |
| 340 | 105 | 133 | 330 | 300 | 9,5 | 16,5 | 27 | 27690 | 1680 | 14,4 | 7440 | 496 | 7,46 |
| 360 | 112 | 143 | 350 | 300 | 10 | 17,5 | 27 | 33090 | 1890 | 15,2 | 7890 | 526 | 7,43 |
| 400 | 125 | 159 | 390 | 300 | 11 | 19 | 27 | 45070 | 2310 | 16,8 | 8560 | 571 | 7,34 |
| 450 | 140 | 178 | 440 | 300 | 11,5 | 21 | 27 | 63720 | 2900 | 18,9 | 9470 | 631 | 7,29 |
| 500 | 155 | 198 | 490 | 300 | 12 | 23 | 27 | 86970 | 3550 | 21,0 | 10370 | 691 | 7,24 |
| 550 | 166 | 212 | 540 | 300 | 12,5 | 24 | 27 | 111900 | 4150 | 23,0 | 10820 | 721 | 7,15 |
| 600 | 178 | 226 | 590 | 300 | 13 | 25 | 27 | 141200 | 4790 | 25,0 | 11270 | 751 | 7,05 |
| 650 | 190 | 242 | 640 | 300 | 13,5 | 26 | 27 | 175200 | 5470 | 26,9 | 11720 | 782 | 6,97 |
| 700 | 204 | 260 | 690 | 300 | 14,5 | 27 | 27 | 215300 | 6240 | 28,8 | 12180 | 812 | 6,84 |
| 800 | 224 | 286 | 790 | 300 | 15 | 28 | 30 | 303400 | 7680 | 32,6 | 12640 | 843 | 6,65 |
| 900 | 252 | 321 | 890 | 300 | 16 | 30 | 30 | 422100 | 9480 | 36,3 | 13550 | 903 | 6,50 |
| 1000 | 272 | 347 | 990 | 300 | 16,5 | 31 | 30 | 553800 | 11190 | 40,0 | 14000 | 934 | 6,35 |

HEB TRAVI AD ALI LARGHE PARALLELE

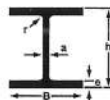
SERIE NORMALE UNI 5397-64



| Desi- gnaz. | Peso kg/m | Sez. cm ² | Dimensioni | | | | | caratteristiche riferite all'asse neutro | | | | | |
|----------------|--------------|-------------------------|------------|---------|---------|---------|---------|--|--------------------------------------|----------------------|-----------------------------------|--------------------------------------|----------------------|
| | | | h mm | b mm | a mm | e mm | r mm | x - x | | | y - y | | |
| | | | | | | | | j _x cm ⁴ | $\frac{j_x}{V_z}$ cm ³ | I _x cm | J _y cm ⁴ | $\frac{J_y}{V_y}$ cm ³ | I _y cm |
| 100 | 20,4 | 26,0 | 100 | 100 | 6 | 10 | 12 | 450 | 89,9 | 4,16 | 167 | 33,5 | 2,53 |
| 120 | 26,7 | 34,0 | 120 | 120 | 6,5 | 11 | 12 | 864 | 144 | 5,04 | 318 | 52,9 | 3,06 |
| 140 | 33,7 | 43,0 | 140 | 140 | 7 | 12 | 12 | 1510 | 216 | 5,93 | 550 | 78,5 | 3,58 |
| 160 | 42,6 | 54,3 | 160 | 160 | 8 | 13 | 15 | 2490 | 311 | 6,78 | 889 | 111 | 4,05 |
| 180 | 51,2 | 65,3 | 180 | 180 | 8,5 | 14 | 15 | 3830 | 426 | 7,66 | 1360 | 151 | 4,57 |
| 200 | 61,3 | 78,1 | 200 | 200 | 9 | 15 | 18 | 5700 | 570 | 8,54 | 2000 | 200 | 5,07 |
| 220 | 71,5 | 91,0 | 220 | 220 | 9,5 | 16 | 18 | 8090 | 736 | 9,43 | 2840 | 258 | 5,59 |
| 240 | 83,2 | 106 | 240 | 240 | 10 | 17 | 21 | 11260 | 938 | 10,3 | 3920 | 327 | 6,08 |
| 260 | 93,0 | 118 | 260 | 260 | 10 | 17,5 | 24 | 14920 | 1150 | 11,2 | 5130 | 395 | 6,58 |
| 280 | 103 | 131 | 280 | 280 | 10,5 | 18 | 24 | 19270 | 1380 | 12,1 | 6590 | 471 | 7,09 |
| 300 | 117 | 149 | 300 | 300 | 11 | 19 | 27 | 25170 | 1680 | 13,0 | 8560 | 571 | 7,58 |
| 320 | 127 | 161 | 320 | 300 | 11,5 | 20,5 | 27 | 30800 | 1930 | 13,8 | 9240 | 616 | 7,57 |
| 340 | 134 | 171 | 340 | 300 | 12 | 21,5 | 27 | 36660 | 2160 | 14,6 | 9690 | 646 | 7,53 |
| 360 | 142 | 181 | 360 | 300 | 12,5 | 22,5 | 27 | 43190 | 2400 | 15,5 | 10140 | 676 | 7,49 |
| 400 | 155 | 198 | 400 | 300 | 13,5 | 24 | 27 | 57680 | 2880 | 17,1 | 10820 | 721 | 7,40 |
| 450 | 171 | 218 | 450 | 300 | 14 | 26 | 27 | 79890 | 3550 | 19,1 | 11720 | 781 | 7,33 |
| 500 | 187 | 239 | 500 | 300 | 14,5 | 28 | 27 | 107200 | 4290 | 21,2 | 12620 | 842 | 7,27 |
| 550 | 199 | 254 | 550 | 300 | 15 | 29 | 27 | 136700 | 4970 | 23,2 | 13080 | 872 | 7,17 |
| 600 | 212 | 270 | 600 | 300 | 15,5 | 30 | 27 | 171000 | 5700 | 25,2 | 13500 | 902 | 7,08 |
| 650 | 225 | 286 | 650 | 300 | 16 | 31 | 27 | 210600 | 6480 | 27,1 | 13980 | 932 | 6,99 |
| 700 | 241 | 306 | 700 | 300 | 17 | 32 | 27 | 256900 | 7340 | 29,0 | 14440 | 963 | 6,87 |
| 800 | 262 | 334 | 800 | 300 | 17,5 | 33 | 30 | 359100 | 8980 | 32,8 | 14900 | 994 | 6,68 |
| 900 | 291 | 371 | 900 | 300 | 18,5 | 35 | 30 | 494100 | 10980 | 36,5 | 15820 | 1050 | 6,53 |
| 1000 | 314 | 400 | 1000 | 300 | 19 | 36 | 30 | 644700 | 12890 | 40,1 | 16280 | 1090 | 6,38 |

HEM TRAVI AD ALI LARGHE PARALLELE

SERIE RINFORZATE UNI 5397-64



| Desi- gnaz. | Peso kg/m | Sez. cm ² | Dimensioni | | | | | caratteristiche riferite all'asse neutro | | | | | |
|----------------|--------------|-------------------------|------------|---------|---------|---------|---------|--|--------------------------------------|-------------|--------------------------|--------------------------------------|-------------|
| | | | h mm | b mm | a mm | e mm | r mm | x - x | | | y - y | | |
| | | | | | | | | j_x cm ⁴ | $\frac{j_x}{V_2}$ cm ³ | I_x cm | J_y cm ⁴ | $\frac{J_y}{V_y}$ cm ³ | I_y cm |
| 100 | 41,8 | 53,2 | 120 | 106 | 12 | 20 | 12 | 1140 | 190 | 4,63 | 399 | 75,3 | 2,74 |
| 120 | 52,1 | 66,4 | 140 | 126 | 12,5 | 21 | 12 | 2020 | 288 | 5,51 | 703 | 112 | 3,25 |
| 140 | 63,2 | 80,6 | 160 | 146 | 13 | 22 | 12 | 3290 | 411 | 6,39 | 1140 | 157 | 3,77 |
| 160 | 76,2 | 97,1 | 180 | 166 | 14 | 23 | 15 | 5100 | 566 | 7,25 | 1760 | 212 | 4,26 |
| 180 | 88,9 | 113 | 200 | 186 | 14,5 | 24 | 15 | 7480 | 748 | 8,13 | 2580 | 277 | 4,77 |
| 200 | 103 | 131 | 220 | 206 | 15 | 25 | 18 | 10640 | 967 | 9,00 | 3650 | 354 | 5,27 |
| 220 | 117 | 149 | 240 | 226 | 15,5 | 26 | 18 | 14600 | 1220 | 9,98 | 5010 | 444 | 5,79 |
| 240 | 157 | 200 | 270 | 248 | 18 | 32 | 21 | 24290 | 1800 | 11,0 | 8150 | 657 | 6,39 |
| 260 | 172 | 220 | 290 | 268 | 18 | 32,5 | 24 | 31310 | 2160 | 11,9 | 10450 | 780 | 6,90 |
| 280 | 189 | 240 | 310 | 288 | 18,5 | 33 | 24 | 39550 | 2550 | 12,8 | 13160 | 914 | 7,40 |
| 300 | 238 | 303 | 340 | 310 | 21 | 39 | 27 | 59200 | 3480 | 14,0 | 19400 | 1250 | 8,00 |
| 320 | 245 | 312 | 359 | 309 | 21 | 40 | 27 | 68130 | 3800 | 14,8 | 19710 | 1280 | 7,95 |
| 340 | 248 | 316 | 377 | 309 | 21 | 40 | 27 | 76370 | 4050 | 15,6 | 19710 | 1280 | 7,90 |
| 360 | 250 | 319 | 395 | 308 | 21 | 40 | 27 | 84870 | 4300 | 16,3 | 19520 | 1270 | 7,83 |
| 400 | 256 | 326 | 432 | 307 | 21 | 40 | 27 | 104100 | 4820 | 17,9 | 19340 | 1260 | 7,70 |
| 450 | 263 | 335 | 478 | 307 | 21 | 40 | 27 | 131500 | 5500 | 19,8 | 19340 | 1260 | 7,59 |
| 500 | 270 | 344 | 524 | 306 | 21 | 40 | 27 | 161900 | 6180 | 21,7 | 19150 | 1250 | 7,46 |
| 550 | 278 | 354 | 572 | 306 | 21 | 40 | 27 | 198000 | 6920 | 23,6 | 19160 | 1250 | 7,35 |
| 600 | 285 | 364 | 620 | 305 | 21 | 40 | 27 | 237400 | 7660 | 25,6 | 18980 | 1240 | 7,22 |
| 650 | 293 | 374 | 668 | 305 | 21 | 40 | 27 | 281700 | 8430 | 27,5 | 18980 | 1240 | 7,13 |
| 700 | 301 | 383 | 716 | 304 | 21 | 40 | 27 | 329300 | 9200 | 29,3 | 18860 | 1240 | 7,01 |
| 800 | 317 | 404 | 814 | 303 | 21 | 40 | 30 | 442600 | 10870 | 33,1 | 18630 | 1230 | 6,79 |
| 900 | 333 | 424 | 910 | 302 | 21 | 40 | 30 | 570400 | 12540 | 36,7 | 18450 | 1220 | 6,60 |
| 1000 | 349 | 444 | 1008 | 302 | 21 | 40 | 30 | 722300 | 14330 | 40,3 | 18460 | 1220 | 6,45 |

TRAVI HE SOLLECITATE A FLESSIONE

carico totale in kg uniformemente distribuito
acciaio con carico di sicurezza OK=16 kg/mm²

| mm | Carichi massimi in kg riferiti alle lunghezze dei pilastri in metri: | | | | | | | | | | | |
|--------------|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 | 6 | 7 | 8 | 9 | 10 |
| 100 A | 4368 | 3695 | 3064 | 2611 | 2269 | 2001 | 1785 | 1457 | 1218 | 1034 | — | — |
| B | 5719 | 4557 | 3779 | 3220 | 2798 | 2469 | 2202 | 1798 | 1503 | 1277 | — | — |
| M | 12076 | 9623 | 7981 | 6802 | 5913 | 5216 | 4655 | 3803 | 3182 | 2706 | — | — |
| 120 A | 6744 | 5377 | 4463 | 3807 | 3324 | 2926 | 2614 | 2142 | 1799 | 1537 | 1328 | — |
| B | 9163 | 7306 | 6064 | 5173 | 4501 | 4083 | 3553 | 2912 | 2446 | 2090 | 1808 | — |
| M | 18328 | 14615 | 12132 | 10350 | 9007 | 7957 | 7112 | 5831 | 4902 | 4191 | 3627 | — |
| 140 A | 9881 | 7882 | 6546 | 5588 | 4866 | 4302 | 3848 | 3162 | 2664 | 2285 | 1984 | 1739 |
| B | 13757 | 10974 | 9115 | 7781 | 6777 | 5992 | 5361 | 4406 | 3714 | 3186 | 2769 | 2428 |
| M | 26178 | 20885 | 17346 | 14810 | 12899 | 11406 | 10206 | 8389 | 7073 | 6070 | 5276 | 4629 |
| 160 A | 14019 | 11188 | 9295 | 7939 | 6918 | 6121 | 5480 | 4510 | 3810 | 3277 | 2855 | 2512 |
| B | 19819 | 15817 | 13141 | 11225 | 9782 | 8655 | 7749 | 6379 | 5389 | 4635 | 4039 | 3555 |
| M | 36592 | 28804 | 23934 | 20444 | 17817 | 15756 | 14117 | 11624 | 9822 | 8451 | 7368 | 6487 |
| 180 A | 18745 | 14964 | 12438 | 10635 | 9266 | 8212 | 7295 | 6059 | 5128 | 4420 | 3862 | 3408 |
| B | 27162 | 21683 | 18022 | 15387 | 13427 | 11887 | 10650 | 8781 | 7431 | 6406 | 5598 | 4941 |
| M | 47694 | 38075 | 31648 | 27044 | 23580 | 20876 | 18704 | 15424 | 13055 | 11257 | 9838 | 8685 |
| 200 A | 24811 | 19811 | 16470 | 14077 | 12278 | 10874 | 9746 | 8044 | 6815 | 5884 | 5150 | 4554 |
| B | 36357 | 29031 | 24136 | 20625 | 17995 | 15929 | 14286 | 11792 | 9994 | 8630 | 7555 | 6683 |
| M | 61677 | 49252 | 40950 | 35004 | 30532 | 27042 | 24240 | 20011 | 16961 | 14648 | 12826 | 11348 |
| 220 A | 32859 | 26242 | 21822 | 18658 | 16278 | 14422 | 12932 | 10684 | 9064 | 7836 | 6870 | 6087 |
| B | 46961 | 37504 | 31188 | 26666 | 23266 | 20613 | 18484 | 15272 | 12958 | 11204 | 9824 | 8706 |
| M | 77846 | 62172 | 51702 | 44208 | 38572 | 34176 | 30647 | 25325 | 21490 | 18584 | 16298 | 14446 |
| 240 A | 43079 | 34409 | 28619 | 24475 | 21359 | 18928 | 16979 | 14038 | 11921 | 10318 | 9057 | 8037 |
| B | 59866 | 47818 | 39772 | 34013 | 29683 | 26306 | 23630 | 19511 | 16570 | 14342 | 12591 | 11174 |
| M | 114886 | 91768 | 76329 | 65279 | 56972 | 50494 | 45295 | 37458 | 31815 | 27544 | 24187 | 21470 |
| 260 A | 53578 | 42633 | 35465 | 30335 | 26479 | 23743 | 21061 | 17425 | 14809 | 12830 | 11276 | 10109 |
| B | 73414 | 58648 | 48787 | 41732 | 36428 | 32293 | 28975 | 23975 | 20378 | 17656 | 15519 | 13790 |
| M | 137896 | 110162 | 91644 | 78392 | 68432 | 60666 | 54436 | 45048 | 38293 | 33184 | 29172 | 25928 |

TRAVI HE SOLLECITATE A FLESSIONE

carico totale in Kg uniformemente distribuito
acciaio con carico di sicurezza OK=16 kg/mm²

| mm | Carichi massimi in kg riferiti alle lunghezze dei pilastri in metri: | | | | | | | | | | | |
|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 | 6 | 7 | 8 | 9 | 10 |
| 280 A | 64487 | 51521 | 42864 | 36670 | 32014 | 28385 | 25474 | 21088 | 17933 | 15549 | 13677 | 12164 |
| B | 88114 | 70398 | 58571 | 50108 | 43748 | 38790 | 34813 | 28822 | 24513 | 21256 | 18700 | 16634 |
| M | 162822 | 130088 | 108233 | 92596 | 80844 | 71683 | 64335 | 53266 | 45306 | 39288 | 34566 | 30750 |
| 300 A | 80463 | 64291 | 53495 | 45771 | 39967 | 35443 | 31815 | 26350 | 22422 | 19454 | 17125 | 15245 |
| B | 107286 | 85724 | 71329 | 61031 | 53292 | 47260 | 42423 | 35138 | 29901 | 25944 | 22840 | 20334 |
| M | 222244 | 177581 | 147766 | 126436 | 110398 | 97917 | 87898 | 72805 | 61968 | 53776 | 47351 | 42164 |
| 320 A | 94525 | 75532 | 62854 | 53784 | 46969 | 41659 | 37400 | 30988 | 26380 | 22899 | 20170 | 17968 |
| B | 123266 | 98498 | 81966 | 70138 | 61252 | 54326 | 48773 | 40411 | 34402 | 29864 | 26306 | 23434 |
| M | 242860 | 193948 | 161398 | 138114 | 120620 | 106986 | 96055 | 79596 | 67771 | 58840 | 51839 | 46190 |
| 340 A | — | — | 71365 | 61073 | 53340 | 47314 | 42483 | 35210 | 29985 | 26040 | 22948 | 20454 |
| B | — | — | 91758 | 78525 | 68584 | 60387 | 54586 | 45276 | 38559 | 33488 | 29514 | 26308 |
| M | — | — | 172056 | 147246 | 128608 | 114084 | 102440 | 84912 | 72321 | 62816 | 55368 | 49360 |
| 360 A | — | — | 80304 | 78728 | 60032 | 53256 | 47824 | 39648 | 33770 | 29344 | 25872 | 23072 |
| B | — | — | 101974 | 87235 | 76232 | 67628 | 60730 | 50348 | 42892 | 37264 | 32855 | 29300 |
| M | — | — | 182716 | 156382 | 136600 | 121186 | 108830 | 90233 | 76879 | 66800 | 58906 | 52540 |
| 400 A | — | — | 98185 | 84043 | 73420 | 65144 | 58511 | 48530 | 41365 | 35960 | 31728 | 28318 |
| B | — | — | 122415 | 104783 | 91540 | 81222 | 72953 | 60510 | 51578 | 44840 | 39565 | 35314 |
| M | — | — | 204885 | 175378 | 153216 | 135950 | 122112 | 101291 | 86345 | 75072 | 66247 | 59136 |
| 450 A | — | — | — | — | 92240 | 81859 | 73540 | 61027 | 52049 | 45280 | 39984 | 35720 |
| B | — | — | — | — | 112916 | 100208 | 90025 | 74707 | 63771 | 55432 | 48950 | 43730 |
| M | — | — | — | — | 174949 | 155261 | 139485 | 115755 | 98730 | 85896 | 75855 | 67770 |
| 500 A | — | — | — | — | 112980 | 100280 | 90105 | 74803 | 63829 | 55560 | 49094 | 43890 |
| B | — | — | — | — | 136532 | 121141 | 108889 | 90398 | 77137 | 67144 | 59330 | 53042 |
| M | — | — | — | — | 196680 | 174572 | 156858 | 130220 | 111116 | 96720 | 85463 | 76404 |
| 600 A | — | — | — | — | 152568 | 135448 | 121734 | 101119 | 86343 | 75216 | 66522 | 59532 |
| B | — | — | — | — | 181552 | 161179 | 144860 | 120328 | 102745 | 89504 | 79159 | 70840 |
| M | — | — | — | — | 243980 | 216602 | 194671 | 161703 | 138074 | 120820 | 106577 | 95198 |

TONDO ALETTATO VARI DIAMETRI BARRE DA 6 E 12

BARRE AD ADERENZA MIGLIORATA

| | | | | | | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ø nominale | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Sezione mm ² | 26,3 | 50,3 | 78,5 | 113 | 154 | 201 | 254 | 314 | 380 | 452 | 531 | 616 | 707 | 804 |
| Peso al mt. | 0,222 | 0,395 | 0,616 | 0,888 | 1,210 | 1,580 | 2,000 | 2,465 | 2,982 | 3,558 | 4,172 | 4,835 | 5,548 | 6,315 |

RETI ELETTROSALDATE STANDARD NEI FORMATI 3000 x 2000 e 4000 x 2250

| Tipo | maglia | | Ø filo | | peso al m ² kg |
|------|--------------|-------|--------------|-------|---------------------------------|
| | long. cm. | tras. | long. mm. | tras. | |
| 510 | 10 | 10 | 5 | 5 | 3,08 |
| 515 | 15 | 15 | 5 | 5 | 2,10 |
| 520 | 20 | 20 | 5 | 5 | 1,54 |
| 610 | 10 | 10 | 6 | 6 | 4,44 |
| 615 | 15 | 15 | 6 | 6 | 3,02 |
| 620 | 20 | 20 | 6 | 6 | 2,22 |
| 810 | 10 | 10 | 8 | 8 | 7,88 |
| 815 | 15 | 15 | 8 | 8 | 5,37 |
| 820 | 20 | 20 | 8 | 8 | 3,94 |
| 1020 | 20 | 20 | 10 | 10 | 6,37 |
| 1220 | 20 | 20 | 12 | 12 | 9,20 |

I pesi indicati sono puramente teorici, il materiale è conforme alla tolleranza prevista dalle norme UNI.

RETE ONDULATA A MAGLIA QUADRA

| FILO mm | 1.5 | 1.8 | 2 | 2.4 | 3 | 3.4 | 3.9 | 4.4 | 4.9 | 5.4 | 5.9 | 6.4 |
|---------|----------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| MAGLIA | PESO AL METRO QUADRO | | | | | | | | | | | |
| 10 | 2.920 | 4.300 | - | - | - | - | - | - | - | - | - | - |
| 12 | - | 3.700 | 4.500 | - | - | - | - | - | - | - | - | - |
| 15 | - | 2.840 | 3.500 | 5.000 | - | - | - | - | - | - | - | - |
| 20 | - | 2.125 | 2.620 | 3.770 | 5.950 | - | - | - | - | - | - | - |
| 25 | - | 1.715 | 2.150 | 3.060 | 4.800 | 6.100 | 8.500 | - | - | - | - | - |
| 30 | - | - | 1.670 | 2.530 | 3.965 | 5.100 | 6.545 | 8.550 | 10.570 | - | - | - |
| 35 | - | - | - | 2.180 | 3.475 | 4.400 | 5.780 | 7.380 | 9.100 | 11.000 | - | - |
| 40 | - | - | - | 1.920 | 3.000 | 3.860 | 5.100 | 6.460 | 8.110 | 9.735 | 10.735 | 12.300 |
| 50 | - | - | - | 1.700 | 2.430 | 3.100 | 4.120 | 5.230 | 6.490 | 7.900 | 8.900 | 10.500 |
| 60 | - | - | - | - | 2.040 | 2.620 | 3.450 | 4.440 | 5.430 | 6.660 | 7.900 | 9.300 |

LAMIERE

| Spessore m/m | Piane Kg/mq | Striate Kg/mq | Bugnate Kg/mq | Spessore m/m | Piane Kg/mq | Striate Kg/mq | Bugnate Kg/mq |
|-----------------|----------------|------------------|------------------|-----------------|----------------|------------------|------------------|
| 0,3 | 2,35 | - | - | 10 | 78,50 | 84 | 81 |
| 0,4 | 3,14 | - | - | 12 | 94,20 | 99 | 96,7 |
| 0,5 | 3,92 | - | - | 15 | 118 | 130 | - |
| 0,6 | 4,71 | - | - | 18 | 142 | - | - |
| 0,7 | 5,49 | - | - | 20 | 157 | - | - |
| 0,8 | 6,28 | - | - | 25 | 197 | - | - |
| 1 | 7,85 | - | - | 30 | 236 | - | - |
| 1,2 | 9,42 | - | - | 35 | 275 | - | - |
| 1,5 | 11,77 | - | 12,5 | 40 | 314 | - | - |
| 1,8 | 14,13 | - | - | 50 | 393 | - | - |
| 2 | 15,70 | - | - | 60 | 471 | - | - |
| 2,5 | 19,62 | 24,00 | 21 | 70 | 549 | - | - |
| 3 | 23,55 | 28,50 | 25,9 | 80 | 628 | - | - |
| 4 | 31,40 | 36,00 | 33,9 | 90 | 706 | - | - |
| 5 | 39,25 | 44,50 | 41,8 | 100 | 785 | - | - |
| 6 | 47,10 | 52,00 | 49,6 | 120 | 942 | - | - |
| 7 | 55,00 | 60 | 57,5 | 150 | 1.177 | - | - |
| 8 | 62,80 | 68 | 65,3 | 200 | 1.570 | - | - |

LAMIERE ZINCATE (piane e ondulate)

| Numero | Spessore mm. | Peso Kg/mq | Numero | Spessore mm. | Peso Kg/mq |
|--------|-----------------|---------------|--------|-----------------|---------------|
| 32 | 0,25 | 2,14 | 22 | 0,80 | 6,68 |
| 30 | 0,30 | 2,59 | 20 | 1,00 | 8,25 |
| 29 | 0,35 | 2,98 | 18 | 1,25 | 9,82 |
| 28 | 0,40 | 3,44 | 17 | 1,50 | 12,15 |
| 27 | 0,45 | 3,91 | 14 | 2,00 | 16,10 |
| 26 | 0,50 | 4,22 | 12 | 2,50 | 20,05 |
| 24 | 0,60 | 5,11 | | 3,00 | 24,00 |

TUBO "GAS" SENZA SALDATURA

serie normale (nero e zincato)

| D.N. | Diametri | | Spessore mm. | V.M. Kg/m | Liscio Kg/m |
|------|----------|-------------|--------------|-----------|-------------|
| | Pollici | Esterno mm. | | | |
| 6 | 1/8" | 10,2 | 1,80 | 0,372 | 0,369 |
| 8 | 1/4" | 13,5 | 2,00 | 0,577 | 0,573 |
| 10 | 3/8" | 17,2 | 2,00 | 0,753 | 0,747 |
| 15 | 1/2" | 21,3 | 2,35 | 1,11 | 1,10 |
| 20 | 3/4" | 26,9 | 2,35 | 1,42 | 1,41 |
| 25 | 1" | 33,7 | 2,90 | 2,23 | 2,21 |
| 32 | 1 1/4" | 42,4 | 2,90 | 2,87 | 2,84 |
| 40 | 1 1/2" | 48,3 | 2,90 | 3,30 | 3,26 |
| 50 | 2" | 60,3 | 3,25 | 4,63 | 4,56 |
| 70 | 2 1/2" | 76,1 | 3,25 | 5,93 | 5,81 |
| 80 | 3" | 88,9 | 3,65 | 7,82 | 7,65 |
| 100 | 4" | 114,3 | 4,05 | 11,30 | 11,00 |
| 125 | 5" | 139,7 | 4,85 | 16,70 | 16,20 |
| 150 | 6" | 165,1 | 4,85 | 19,80 | 19,20 |

TUBO "GAS" SALDATO - DALMINE F.M. (FRETZ-MOON)

serie leggera

| D.N. | Diametri | | Spessore mm. | V.M. Kg/m | Liscio Kg/m |
|------|----------|-------------|--------------|-----------|-------------|
| | Pollici | Esterno mm. | | | |
| 10 | 3/8" | 17,2 | 1,80 | 0,674 | 0,75 |
| 15 | 1/2" | 21,3 | 2,00 | 0,952 | 1,04 |
| 20 | 3/4" | 26,9 | 2,35 | 1,410 | 1,53 |
| 25 | 1" | 33,7 | 2,65 | 2,010 | 2,16 |
| 32 | 1 1/4" | 42,4 | 2,65 | 2,580 | 2,78 |
| 40 | 1 1/2" | 48,3 | 2,90 | 3,250 | 3,48 |
| 50 | 2" | 60,3 | 2,90 | 4,110 | 4,42 |
| 70 | 2 1/2" | 76,1 | 3,25 | 5,800 | 6,22 |
| 80 | 3" | 88,9 | 3,25 | 6,810 | 7,20 |
| | | | | | |
| 100 | • 4" | 114,3 | 3,65 | 9,890 | 10,20 |
| 125 | • 5" | 139,7 | 4,50 | 14,90 | 15,40 |

• Saldato tipo FM

TUBO SALDATO "MOBILIO"

(Ricavato da nastro a freddo e a caldo)

| Diametro esterno mm. | Peso Kg/m | | | | Diametro esterno mm. | Peso Kg/m | |
|----------------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|
| | Spessore 10/10 | Spessore 12/10 | Spessore 15/10 | Spessore 20/10 | | Spessore 15/10 | Spessore 20/10 |
| 10 | 0,22 | 0,26 | - | - | 52 | 1,86 | 2,35 |
| 12 | 0,27 | 0,32 | - | - | 55 | 1,97 | 2,60 |
| 14 | 0,32 | 0,38 | - | - | 57 | 2,04 | 2,69 |
| 16 | 0,37 | 0,44 | 0,54 | - | 60 | 2,16 | 2,86 |
| 18 | 0,41 | 0,50 | 0,61 | 0,79 | 63,5 | 2,29 | 3,04 |
| 20 | 0,46 | 0,56 | 0,68 | 0,89 | 70 | 2,53 | 3,35 |
| 22 | 0,51 | 0,62 | 0,76 | 0,98 | 76 | 2,74 | 3,65 |
| 25 | 0,59 | 0,70 | 0,87 | 1,13 | 80 | 2,90 | 3,85 |
| 28 | 0,67 | 0,79 | 0,98 | 1,28 | 89 | 3,27 | 4,29 |
| 30 | 0,71 | 0,85 | 1,05 | 1,38 | 102 | 3,72 | 4,93 |
| 32 | - | 0,90 | 1,13 | 1,48 | 114 | 4,16 | 5,52 |
| 35 | - | 1,23 | 1,24 | 1,63 | 120 | 4,38 | 5,82 |
| 38 | - | - | 1,35 | 1,78 | 130 | - | 6,46 |
| 40 | - | - | 1,42 | 1,87 | 133 | - | 6,52 |
| 42 | - | - | 1,50 | 1,97 | 139 | - | 6,70 |
| 45 | - | - | 1,61 | 2,12 | 150 | 5,67 | 7,20 |
| 48 | - | - | 1,71 | 2,25 | 160 | - | 7,74 |
| 50 | - | - | 1,79 | 2,37 | 168 | - | 8,19 |
| | | | | | 175 | - | 8,53 |
| | | | | | 200 | 7,53 | 10,04 |
| | | | | | 225 | - | - |
| | | | | | 250 | 9,42 | 12,56 |
| | | | | | 300 | 11,30 | 15,10 |

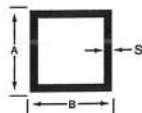
TUBO SALDATO "CARPENTERIA"

| DIAMETRO | | SPESSORE mm. | PESO kg/m. |
|----------|----------------|-----------------|---------------|
| POLLICI | ESTERNO mm. | | |
| 3/8 | 16,75 | 2 | 0,73 |
| 1/2" | 21,25 | 2,2 | 1,03 |
| 3/4" | 26,75 | 2,5 | 1,49 |
| 1" | 33,5 | 2,6 | 2,02 |
| 1" 1/4 | 42,25 | 2,8 | 2,72 |
| 1" 1/2 | 48,25 | 2,8 | 3,14 |
| 2" | 60 | 3 | 4,22 |
| — | 70 | 3 | 4,96 |
| — | 70 | 4 | 6,51 |
| 2" 1/2 | 76,1 | 3 | 5,40 |
| 2" 1/2 | 76,1 | 4 | 7,10 |
| 3" | 88,9 | 3 | 6,36 |
| 3" | 88,9 | 4 | 8,38 |
| 3" 1/2 | 101,6 | 3 | 7,32 |
| 4" | 114,3 | 3 | 8,21 |
| — | 120 | 3 | 8,65 |
| — | 127 | 3 | 9,17 |
| — | 133 | 3 | 9,62 |
| — | 133 | 4 | 12,73 |
| — | 139,7 | 3 | 10,11 |
| — | 139,7 | 4 | 13,39 |
| — | 152 | 3 | 11,05 |
| — | 152 | 4 | 14,60 |
| — | 159 | 3 | 11,54 |
| — | 159 | 4 | 15,29 |
| — | 168 | 3 | 12,21 |
| — | 168 | 4 | 16,18 |
| — | 193,7 | 3 | 13,98 |
| — | 193,7 | 4 | 18,45 |
| — | 219,1 | 3 | 15,98 |
| — | 219,1 | 4 | 21,21 |
| — | 273 | 4 | 26,54 |

N.B. Tolleranza su diametro e spessore $\pm 10\%$

TUBOLARI QUADRI

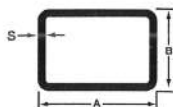
EN 10219-2:1997



| dimensione "A x B" mm | spessore mm | | | | | | | | | |
|-----------------------------|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1,5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | peso kg/ml | | | | | | | | | |
| 10 x 10 | 0,40 | - | - | - | - | - | - | - | - | - |
| 12 x 12 | 0,50 | - | - | - | - | - | - | - | - | - |
| 15 x 15 | 0,64 | 0,88 | - | - | - | - | - | - | - | - |
| 20 x 20 | 0,87 | 1,13 | 1,60 | - | - | - | - | - | - | - |
| 25 x 25 | 1,11 | 1,44 | 2,07 | - | - | - | - | - | - | - |
| 30 x 30 | 1,34 | 1,76 | 2,54 | 3,27 | - | - | - | - | - | - |
| 35 x 35 | 1,58 | 2,07 | 3,01 | 4,04 | - | - | - | - | - | - |
| 40 x 40 | 1,81 | 2,39 | 3,48 | 4,09 | 4,83 | - | - | - | - | - |
| 45 x 45 | 2,05 | 2,70 | 3,96 | 4,72 | 5,61 | - | - | - | - | - |
| 50 x 50 | 2,28 | 3,01 | 4,43 | 5,83 | 6,40 | - | - | - | - | - |
| 60 x 60 | 2,75 | 3,64 | 5,37 | 7,03 | 7,97 | 10,34 | - | - | - | - |
| 70 x 70 | 3,23 | 4,27 | 6,31 | 8,33 | 9,54 | 11,10 | 12,53 | - | - | - |
| 80 x 80 | - | 4,90 | 7,25 | 9,55 | 11,11 | 12,99 | 14,72 | 16,36 | - | 21,20 |
| 90 x 90 | - | 5,50 | 8,20 | 10,80 | 12,68 | 14,87 | 16,92 | - | - | - |
| 100 x 100 | - | 6,15 | 9,14 | 12,06 | 14,26 | 16,76 | 19,12 | 21,39 | 22,99 | 24,89 |
| 110 x 110 | - | - | 9,84 | 12,89 | 15,83 | 18,64 | 21,32 | 23,90 | 25,81 | 28,03 |
| 120 x 120 | - | - | 11,00 | 14,54 | 17,40 | 20,53 | 23,52 | 26,41 | 28,64 | 31,17 |
| 140 x 140 | - | - | 12,72 | 16,76 | 20,52 | 24,38 | 27,91 | 31,43 | 34,29 | 37,45 |
| 150 x 150 | - | - | 13,86 | 18,35 | 22,11 | 26,19 | 30,11 | 33,95 | 37,12 | 40,59 |
| 160 x 160 | - | - | 14,61 | 19,27 | 23,66 | 28,04 | 32,31 | 36,46 | 39,94 | 43,73 |
| 175 x 175 | - | - | 16,02 | 21,15 | 26,02 | 30,87 | 35,61 | 40,23 | 44,18 | 48,44 |
| 180 x 180 | - | - | - | 21,78 | 26,80 | 31,81 | 36,70 | 41,48 | 45,60 | 50,01 |
| 200 x 200 | - | - | - | 24,29 | 29,94 | 35,58 | 41,10 | 46,51 | 51,25 | 56,29 |
| 220 x 220 | - | - | - | 26,81 | 33,09 | 39,35 | 45,50 | 51,53 | 56,90 | 62,57 |
| 250 x 250 | - | - | - | 30,57 | 37,79 | 45,00 | 52,09 | 59,07 | 65,38 | 71,99 |
| 260 x 260 | - | - | - | 31,83 | 39,36 | 46,88 | 54,29 | 61,58 | 68,20 | 75,13 |
| 300 x 300 | - | - | - | - | 45,64 | 54,42 | 63,08 | 71,63 | 79,51 | 87,69 |
| 325 x 325 | - | - | - | - | 49,57 | 59,13 | 68,58 | 77,91 | 86,57 | 95,54 |

TUBOLARI RETTANGOLARI

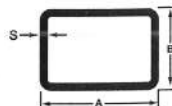
EN 10219-2:1997



| dimensione "A x B" mm | spessore mm | | | | | | |
|-----------------------------|-------------|------|------|------|------|------|-------|
| | 1,5 | 2 | 3 | 4 | 5 | 6 | 7 |
| | peso kg/ml | | | | | | |
| 15 x 10 | 0,52 | | | | | | |
| 20 x 10 | 0,64 | 0,81 | | | | | |
| 20 x 15 | 0,75 | 0,97 | | | | | |
| 25 x 10 | 0,75 | 0,97 | | | | | |
| 25 x 15 | 0,87 | 1,13 | | | | | |
| 25 x 20 | 0,99 | 1,29 | | | | | |
| 30 x 10 | 0,87 | 1,13 | | | | | |
| 30 x 15 | 0,99 | 1,29 | 1,65 | | | | |
| 30 x 20 | 1,11 | 1,44 | 2,07 | | | | |
| 35 x 10 | 0,99 | 1,29 | | | | | |
| 35 x 15 | 1,11 | 1,44 | 2,07 | | | | |
| 35 x 20 | 1,22 | 1,60 | 2,31 | | | | |
| 40 x 10 | 1,11 | 1,44 | | | | | |
| 40 x 15 | 1,22 | 1,60 | 2,31 | | | | |
| 40 x 20 | 1,34 | 1,76 | 2,54 | 3,35 | | | |
| 40 x 25 | 1,46 | 1,91 | 2,78 | 3,75 | | | |
| 40 x 30 | 1,58 | 2,07 | 3,01 | 4,04 | | | |
| 45 x 10 | 1,22 | 1,60 | 2,31 | | | | |
| 45 x 15 | 1,34 | 1,76 | 2,54 | | | | |
| 45 x 20 | 1,46 | 1,91 | 2,78 | 3,75 | | | |
| 45 x 30 | 1,69 | 2,23 | 3,25 | 4,34 | | | |
| 50 x 10 | 1,34 | 1,76 | 2,54 | | | | |
| 50 x 15 | 1,46 | 1,92 | 2,78 | | | | |
| 50 x 20 | 1,58 | 2,07 | 3,01 | | | | |
| 50 x 25 | 1,69 | 2,23 | 3,25 | | | | |
| 50 x 30 | 1,81 | 2,39 | 3,48 | 4,52 | | | |
| 50 x 40 | 2,05 | 2,70 | 3,95 | 5,15 | | | |
| 60 x 10 | 1,58 | 2,07 | 3,01 | | | | |
| 60 x 15 | 1,69 | 2,23 | 3,25 | | | | |
| 60 x 20 | 1,81 | 2,39 | 3,48 | 4,63 | | | |
| 60 x 25 | 1,93 | 2,54 | 3,74 | 4,93 | | | |
| 60 x 30 | 2,05 | 2,70 | 3,95 | 4,72 | | | |
| 60 x 40 | 2,28 | 3,01 | 4,43 | 5,35 | 7,01 | | |
| 60 x 50 | 2,52 | 3,33 | 4,90 | 5,98 | 8,02 | | |
| 70 x 20 | 2,05 | 2,70 | 3,95 | 5,23 | | | |
| 70 x 25 | 2,17 | 2,86 | 4,19 | | | | |
| 70 x 30 | 2,28 | 3,01 | 4,43 | 5,35 | | | |
| 70 x 40 | 2,52 | 3,33 | 4,90 | 5,98 | 7,02 | | |
| 70 x 50 | 2,76 | 3,64 | 5,37 | 7,05 | 7,97 | 9,21 | 10,34 |

TUBOLARI RETTANGOLARI

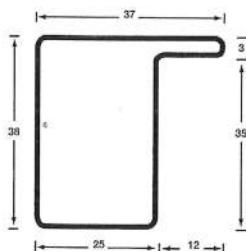
EN 10219-2:1997



| Dimensione "A x B" mm | spessore mm | | | | | | | | | |
|-----------------------------|-------------|------|-------|--------|-------|-------|-------|-------|-------|-------|
| | 1,5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | massa kg/ml | | | | | | | | | |
| 80 x 15 | 2,16 | 2,86 | - | - | - | - | - | - | - | - |
| 80 x 20 | 2,28 | 3,01 | 4,43 | - | - | - | - | - | - | - |
| 80 x 30 | 2,52 | 3,33 | 4,90 | 5,98 | - | - | - | - | - | - |
| 80 x 40 | 2,76 | 3,64 | 5,37 | 7,05 | 7,97 | 9,21 | 10,34 | - | - | - |
| 80 x 50 | 2,99 | 3,96 | 5,84 | 7,66 | 8,75 | - | - | - | - | - |
| 80 x 60 | 3,23 | 4,27 | 6,31 | 7,86 | 9,54 | 11,10 | 12,54 | 15,57 | - | - |
| 90 x 30 | 2,76 | 3,64 | 5,37 | 7,10 | - | - | - | - | - | - |
| 90 x 40 | 2,99 | 3,96 | 5,84 | 7,66 | - | - | - | - | - | - |
| 90 x 50 | 3,23 | 4,27 | 6,31 | 7,86 | 9,53 | 11,09 | 13,85 | 15,57 | - | - |
| 100 x 20 | 2,76 | 3,64 | 5,37 | - | - | - | - | - | - | - |
| 100 x 30 | 3,00 | 3,95 | 5,84 | 7,66 | - | - | - | - | - | - |
| 100 x 40 | 3,22 | 4,27 | 6,31 | 7,86 | 9,54 | 11,10 | 12,54 | - | - | - |
| 100 x 50 | 3,46 | 4,58 | 6,78 | 8,92 | 11,40 | 12,04 | 13,64 | 16,83 | - | - |
| 100 x 60 | - | 4,90 | 7,25 | 9,55 | 11,77 | 12,98 | 14,74 | 18,09 | - | - |
| 100 x 70 | - | 5,21 | 7,72 | 10,17 | 12,56 | 13,93 | - | - | - | - |
| 100 x 80 | - | 5,53 | 8,19 | 10,80 | 13,35 | 14,87 | 16,94 | - | - | - |
| 110 x 50 | - | 4,90 | 7,25 | 9,55 | 11,77 | 12,98 | 14,74 | - | - | - |
| 120 x 30 | - | 4,59 | 6,81 | 9,55 | 11,77 | 12,98 | 14,74 | - | - | - |
| 120 x 40 | - | 4,90 | 7,25 | 9,55 | 11,77 | 12,98 | 14,74 | - | - | - |
| 120 x 50 | - | 5,36 | 7,77 | 10,26 | 12,30 | 15,10 | - | - | - | - |
| 120 x 60 | - | 5,53 | 8,19 | 10,80 | 13,35 | 14,87 | 16,94 | - | - | - |
| 120 x 80 | - | 6,15 | 9,14 | 12,06 | 14,91 | 16,76 | 19,14 | 21,39 | - | - |
| 130 x 50 | - | 5,50 | 8,20 | 10,80 | 13,35 | 14,87 | - | - | - | - |
| 140 x 50 | - | 5,84 | 8,67 | 11,43 | 14,36 | 17,02 | 19,06 | - | - | - |
| 140 x 60 | - | 6,15 | 9,14 | 12,06 | 14,91 | 16,76 | 19,14 | - | - | - |
| 140 x 70 | - | 6,47 | 9,61 | 12,27 | 15,04 | 17,70 | - | - | - | - |
| 140 x 80 | - | - | 10,11 | 13,39 | 16,53 | 19,69 | 21,32 | 23,90 | - | - |
| 150 x 30 | - | 5,45 | 8,01 | 10,48 | - | - | - | - | - | - |
| 150 x 40 | - | 5,87 | 8,73 | 11,43 | 15,04 | 17,70 | - | - | - | - |
| 150 x 50 | - | 6,16 | 9,14 | 12,06 | 14,91 | 16,76 | 19,14 | 23,10 | - | - |
| 150 x 100 | - | - | 11,49 | 15,20 | 18,84 | 21,47 | 24,90 | 27,67 | - | 35,70 |
| 160 x 80 | - | - | 11,02 | 14,57 | 18,05 | 20,53 | 23,80 | 26,41 | - | - |
| 180 x 60 | - | - | 11,02 | 14,57 | 18,05 | 20,53 | 23,80 | - | - | - |
| 180 x 80 | - | - | 11,78 | 15,50 | 18,95 | 22,39 | 25,71 | 28,92 | - | - |
| 200 x 100 | - | - | 13,67 | 18,001 | 22,09 | 26,16 | 30,11 | 33,95 | 37,12 | 40,59 |
| 200 x 150 | - | - | 16,02 | 21,16 | 26,01 | 30,90 | 35,65 | 40,23 | 44,78 | 48,44 |
| 250 x 100 | - | - | 16,02 | 21,16 | 26,01 | 30,90 | 35,65 | 40,23 | 44,18 | 48,44 |
| 250 x 150 | - | - | - | 24,29 | 29,94 | 35,58 | 41,10 | 46,51 | 51,25 | 56,29 |
| 300 x 150 | - | - | - | 27,43 | 33,87 | 40,29 | 46,60 | 52,79 | - | - |
| 300 x 200 | - | - | - | 30,57 | 37,75 | 45,00 | 52,09 | 59,07 | - | 72,93 |
| 400 x 200 | - | - | - | - | 45,64 | 54,42 | 63,08 | 71,63 | - | 88,63 |
| 400 x 250 | - | - | - | - | 49,57 | 59,13 | 68,58 | 77,91 | - | - |

TUBOLARI PER SERRAMENTI

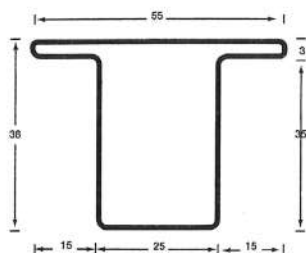
1 A



Spessore 15/10

Peso kg/m 1,72

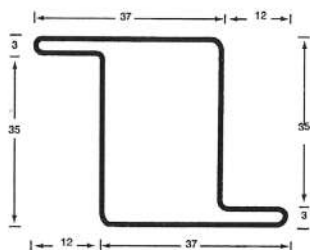
1 B



Spessore 15/10

Peso kg/m 2,10

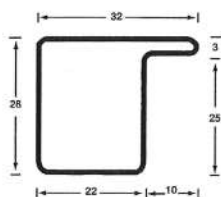
1 C



Spessore 15/10

Peso kg/m 1,99

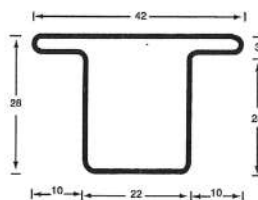
11 A



Spessore 15/10

Peso kg/m 1,34

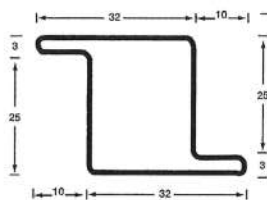
11 B



Spessore 15/10

Peso kg/m 1,57

11 C

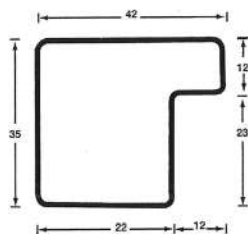


Spessore 15/10

Peso kg/m 1,57

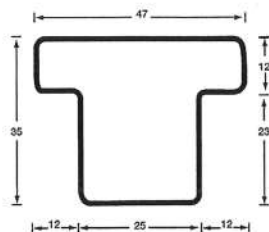
TUBOLARI PER SERRAMENTI

2 A



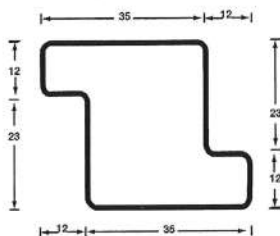
Spessore 15/10 Peso kg/m 1,72

2 B



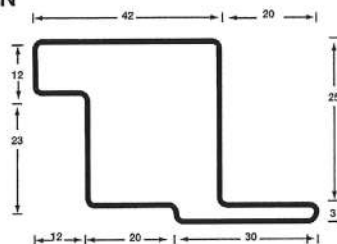
Spessore 15/10 Peso kg/m 1,81

2 Z



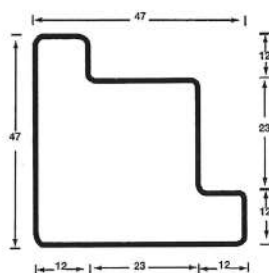
Spessore 15/10 Peso kg/m 1,81

2 N



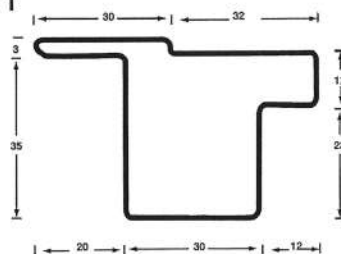
Spessore 15/10 Peso kg/m 2,16

2 C



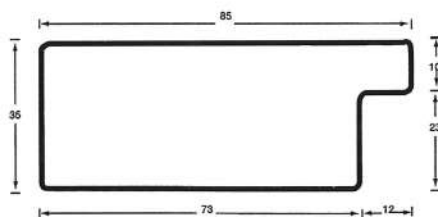
Spessore 15/10 Peso kg/m 2,15

2 T



Spessore 15/10 Peso kg/m 2,16

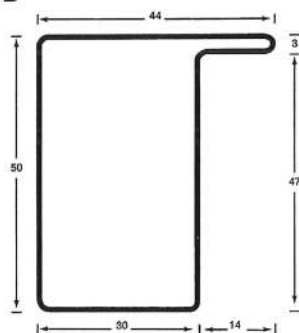
2 D



Spessore 15/10 Peso kg/m 2,78

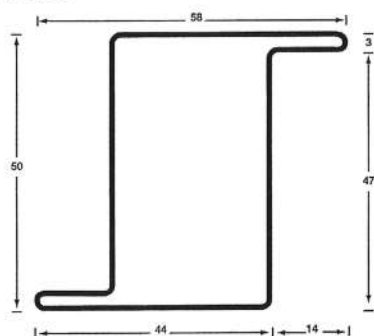
TUBOLARI PER SERRAMENTI

SF1/B



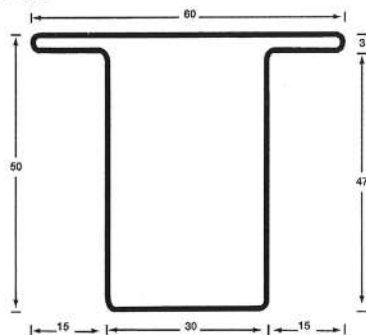
Spessore 15/10 Peso kg/m 2,15

SF3/B



Spessore 15/10 Peso kg/m 2,52

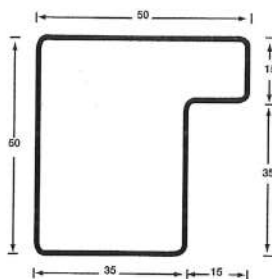
SF2/B



Spessore 15/10 Peso kg/m 2,52

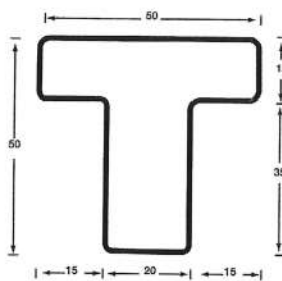
TUBOLARI PER SERRAMENTI

16A



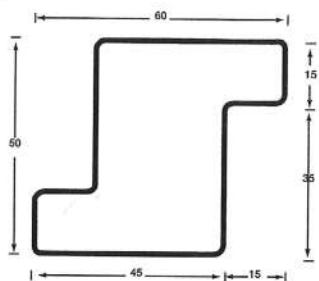
Spessore 15/10 Peso kg/m 2,30

16B



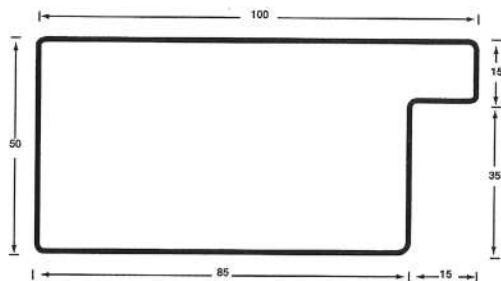
Spessore 15/10 Peso kg/m 2,30

16Z



Spessore 15/10 Peso kg/m 2,55

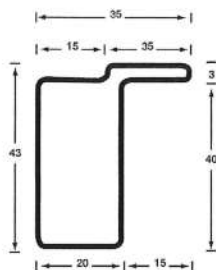
16D



Spessore 20/10 Peso kg/m 4,65

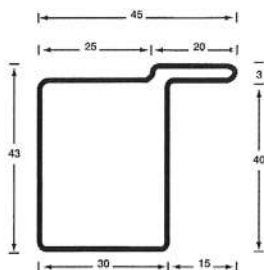
TUBOLARI PER SERRAMENTI

14A



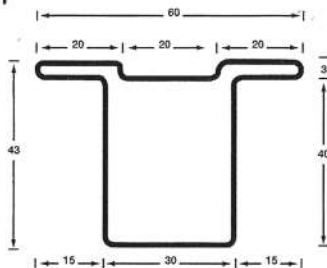
Spessore 15/10 Peso kg/m 1,79

15A



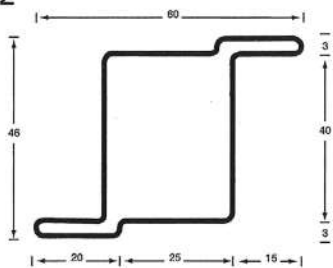
Spessore 15/10 Peso kg/m 2,04

15T



Spessore 15/10 Peso kg/m 2,45

15Z

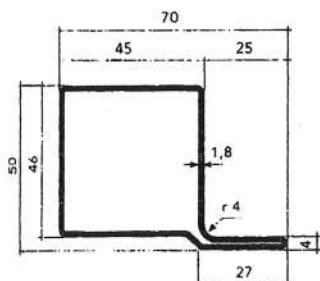


Spessore 15/10 Peso kg/m 2,45

TUBOLARI PER SERRAMENTI

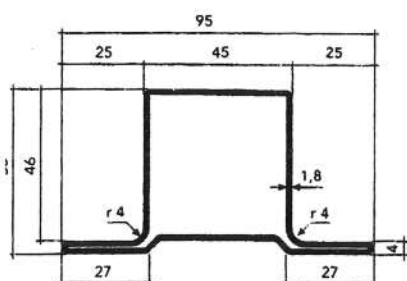
TS 20L

kg/m 3,29



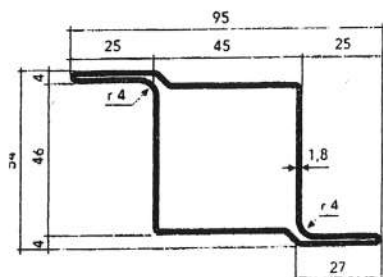
TS 20T

kg/m 4,06



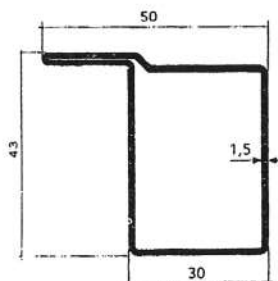
TS 20Z

kg/m 4,06



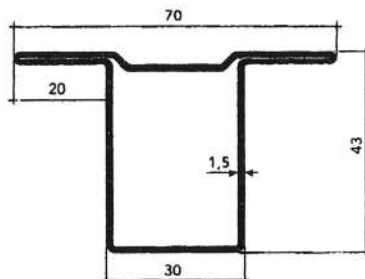
TS 21L

kg/m 2,05



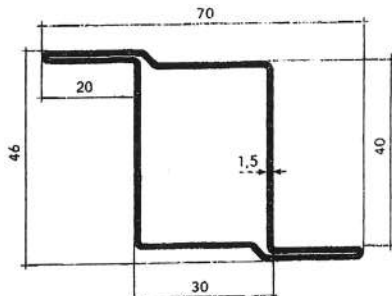
TS 21T

kg/m 2,64



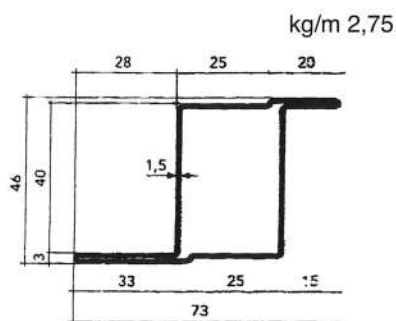
TS 21Z

kg/m 2,64

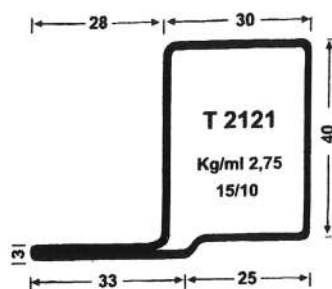


TUBOLARI PER SERRAMENTI

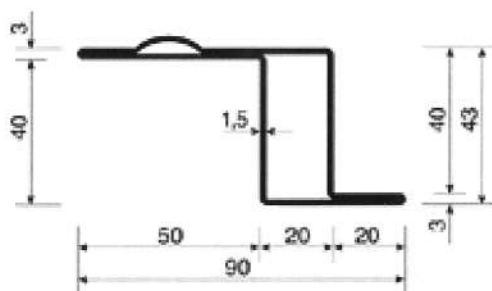
T. 1846



T. 2121

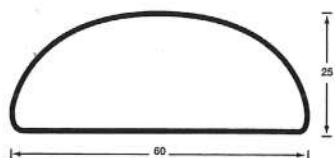


ZETA SAGOMATO



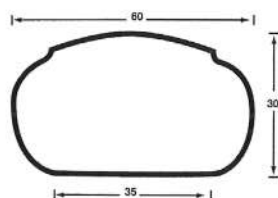
TUBOLARI MANCORRENTI

MT1



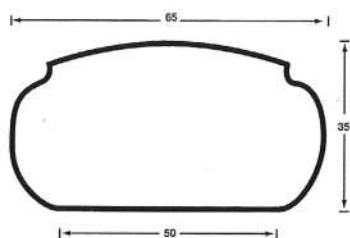
Spessore 15/10 Peso kg/m 1,72

MT5



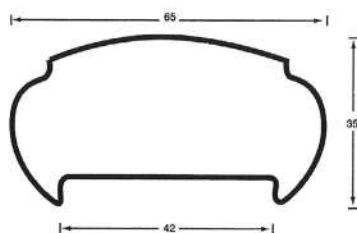
Spessore 15/10 Peso kg/m 1,65

MT6



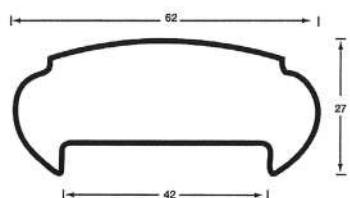
Spessore 15/10 Peso kg/m 2,15

MT7



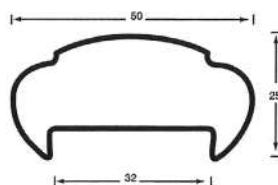
Spessore 15/10 Peso kg/m 2,15

MT8



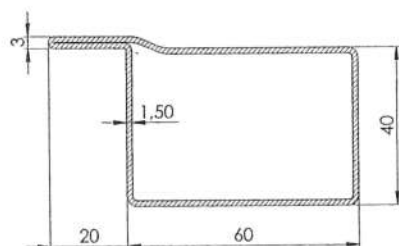
Spessore 15/10 Peso kg/m 1,87

MT9



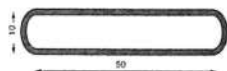
Spessore 15/10 Peso kg/m 1,60

TUBOLARI ASOLATI



TUBOLARI OVALI

50 x 10 ovale



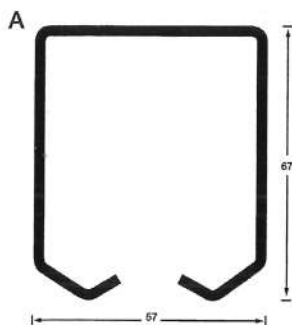
Spessore 12/10

Peso kg/m 1,030

Spessore 15/10

Peso kg/m 1,220

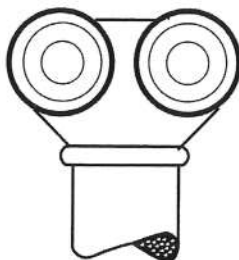
MONOROTAIE E CARRELLI



Spessore 30/10

Peso kg/m 4,92

Carrello a 4 ruote

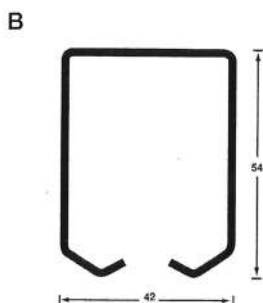


Portata max per
2 carrelli kg 750

Carrello a 2 ruote



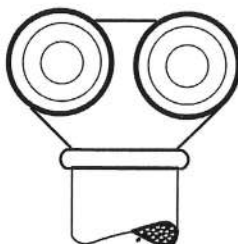
Portata max per
2 carrelli kg 400



Spessore 25/10

Peso kg/m 3,12

Carrello a 4 ruote

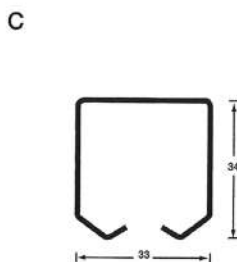


Portata max per
2 carrelli kg 650

Carrello a 2 ruote

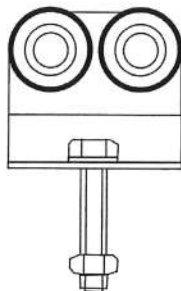


Portata max per
2 carrelli kg 200

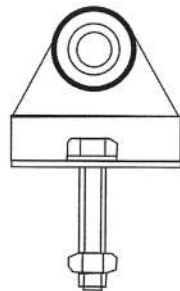


Spessore 20/10

Peso kg/m 1,74



Portata max per
2 carrelli kg 75



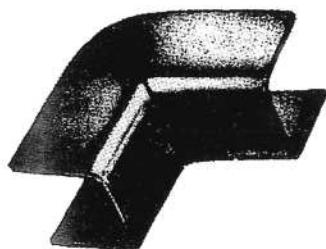
Portata max per
2 carrelli kg 50

ANGOLARI LEGGERI

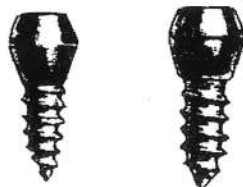
a lati uguali ed a lati disuguali

| Dimensioni mm. | Peso Kg/m | | | Dimensioni mm. | Peso Kg/m | | |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Spessore 15/10 | Spessore 20/10 | Spessore 30/10 | | Spessore 15/10 | Spessore 20/10 | Spessore 30/10 |
| 10 x 10 | 0,22 | - | - | 15 x 10 | 0,26 | - | - |
| 15 x 15 | 0,32 | - | - | 20 x 10 | 0,32 | - | - |
| 20 x 20 | 0,44 | 0,58 | - | 20 x 15 | 0,38 | 0,49 | - |
| 25 x 25 | 0,56 | 0,72 | 1,03 | 25 x 12 | 0,42 | 0,55 | - |
| 30 x 30 | 0,67 | 0,88 | 1,32 | 25 x 15 | 0,44 | 0,59 | - |
| 35 x 35 | 0,74 | 1,07 | 1,54 | 30 x 15 | 0,50 | 0,67 | 0,99 |
| 40 x 40 | 0,93 | 1,22 | 1,80 | 30 x 20 | 0,56 | 0,75 | 1,10 |
| 45 x 45 | 1,04 | 1,40 | 2,04 | 35 x 20 | 0,61 | 0,83 | 1,20 |
| 50 x 50 | 1,16 | 1,54 | 2,28 | 40 x 20 | 0,67 | 0,90 | 1,32 |
| 60 x 60 | - | 1,86 | 2,74 | 40 x 25 | 0,74 | 0,99 | 1,44 |
| 70 x 70 | - | 2,17 | 3,22 | 40 x 30 | 0,80 | 1,06 | 1,56 |
| 80 x 80 | - | 2,45 | 3,62 | 50 x 25 | 0,86 | 1,15 | 1,68 |
| 90 x 90 | - | - | 4,12 | 50 x 30 | 0,92 | 1,23 | 1,80 |
| 100 x 100 | - | 3,08 | 4,57 | 60 x 30 | 1,04 | 1,40 | 2,04 |
| | | | | 70 x 30 | 1,16 | 1,55 | 2,28 |
| | | | | 80 x 40 | - | 1,87 | 2,75 |
| | | | | 100 x 50 | - | - | 3,40 |

ANGOLINI PER FERMAVETRI



VITI AUTOFILETTANTI PER FERMAVETRI A SCATTO

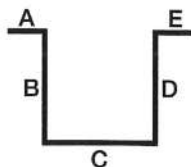




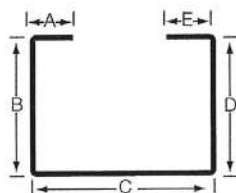
"U" PROFILATO LEGGERO

| A lati disuguali | | | | A lati disuguali | | | |
|----------------------------|-----------------|-----------------|-----------------|----------------------------|-----------------|-----------------|-----------------|
| Dimensioni mm A x B x C | Spess. 15/10 | Spess. 20/10 | Spess. 30/10 | Dimensioni mm A x B x C | Spess. 20/10 | Spess. 30/10 | Spess. 40/10 |
| 15 x 10 x 15 | 0,42 | - | - | 40 x 80 x 40 | 2,43 | 3,60 | 4,70 |
| 20 x 10 x 20 | 0,54 | - | - | 45 x 90 x 45 | 2,75 | 4,09 | 5,02 |
| 10 x 15 x 10 | 0,36 | - | - | 50 x 100 x 50 | 3,07 | 4,56 | 5,98 |
| 20 x 15 x 20 | 0,60 | - | - | 50 x 120 x 50 | 3,38 | 5,00 | 6,58 |
| 10 x 20 x 10 | 0,42 | - | - | 60 x 120 x 60 | 3,72 | 5,48 | 7,22 |
| 30 x 20 x 30 | 0,90 | 1,15 | - | 60 x 140 x 60 | - | 5,96 | 7,85 |
| 12 x 25 x 12 | 0,52 | 0,68 | - | 70 x 140 x 70 | - | 6,44 | 8,50 |
| 30 x 25 x 30 | 0,96 | 1,23 | - | 65 x 160 x 65 | - | 6,55 | 8,61 |
| 40 x 25 x 40 | 1,20 | 1,55 | 2,28 | | | | |
| 10 x 30 x 10 | 0,54 | - | - | | | | |
| 15 x 30 x 15 | 0,66 | 0,83 | - | | | | |
| 20 x 30 x 20 | 0,78 | 0,99 | 1,43 | | | | |
| 40 x 30 x 40 | 1,26 | 1,63 | 2,40 | Dimensioni mm A x B x C | Spess. 15/10 | Spess. 20/10 | Spess. 30/10 |
| 15 x 35 x 15 | 0,72 | 0,91 | - | 10 x 10 x 10 | 0,29 | - | - |
| 20 x 35 x 20 | 0,84 | 1,07 | 1,53 | 12 x 12 x 12 | 0,37 | - | - |
| 20 x 40 x 20 | 0,90 | 1,15 | 1,67 | 15 x 15 x 15 | 0,47 | 0,60 | - |
| 30 x 40 x 30 | 1,14 | 1,47 | 2,16 | 20 x 20 x 20 | 0,65 | 0,85 | - |
| 35 x 40 x 35 | 1,26 | 1,63 | 2,40 | 25 x 25 x 25 | 0,83 | 1,07 | 1,53 |
| 20 x 50 x 20 | 1,02 | 1,32 | 1,92 | 30 x 30 x 30 | 1,02 | 1,31 | 1,92 |
| 25 x 50 x 25 | 1,14 | 1,47 | 2,16 | 35 x 35 x 35 | 1,20 | 1,56 | 2,28 |
| 30 x 50 x 30 | 1,26 | 1,63 | 2,40 | 40 x 40 x 40 | 1,38 | 1,79 | 2,64 |
| 40 x 50 x 40 | 1,50 | 1,95 | 2,88 | 45 x 45 x 45 | 1,56 | 2,04 | 2,97 |
| 30 x 60 x 30 | - | 1,79 | 2,64 | 50 x 50 x 50 | 1,74 | 2,27 | 3,36 |
| 40 x 60 x 40 | - | 2,10 | 3,12 | 60 x 60 x 60 | - | 2,75 | 4,09 |
| 35 x 70 x 35 | - | 2,10 | 3,12 | | | | |

PROFILATO A "OMEGA"



| Dimensioni mm. | | | | | Spess. 20/10 | Dimensioni mm. | | | | | Spess. 20/10 | Spess. 30/10 |
|----------------|----|----|----|----|-----------------|----------------|-----|----|-----|----|-----------------|-----------------|
| A | B | C | D | E | | A | B | C | D | E | | |
| 15 | 25 | 30 | 25 | 15 | 1,60 | 25 | 60 | 40 | 60 | 25 | 3,17 | 4,66 |
| 15 | 45 | 30 | 45 | 15 | 2,23 | 25 | 80 | 40 | 80 | 25 | 3,80 | 5,60 |
| 20 | 50 | 30 | 50 | 20 | 2,54 | 30 | 100 | 50 | 100 | 30 | 4,74 | 7,01 |
| | | | | | | 30 | 120 | 60 | 120 | 30 | 5,50 | 8,00 |
| | | | | | | 40 | 150 | 80 | 150 | 40 | 7,10 | 10,46 |
| | | | | | | 40 | 180 | 80 | 180 | 40 | 8,06 | 11,90 |



PROFILATO LEGGERO A "C"

| Dimensioni mm | | | | | Spess. 15/10 | Spess. 20/10 | Dimensioni mm | | | | | Spess. 20/10 | Spess. 30/10 |
|---------------|----|----|----|----|-----------------|-----------------|---------------|----|-----|----|----|-----------------|-----------------|
| A | B | C | D | E | | | A | B | C | D | E | | |
| 10 | 30 | 30 | 30 | 10 | 1,16 | 1,56 | 15 | 40 | 50 | 40 | 15 | 2,39 | - |
| 10 | 40 | 40 | 40 | 10 | 1,51 | 1,95 | 20 | 40 | 60 | 40 | 20 | 2,70 | 3,96 |
| 10 | 20 | 40 | 20 | 10 | 1,10 | 1,39 | 20 | 40 | 80 | 40 | 20 | 3,01 | 4,43 |
| 15 | 40 | 40 | 40 | 15 | 1,62 | 2,20 | 25 | 50 | 100 | 50 | 25 | 3,80 | 5,60 |
| 20 | 30 | 50 | 30 | 20 | - | 2,17 | | | | | | | |

PALETTI IN FERRO A "T" PER RECINZIONI

(grezzi e plastificati)

| Dimensioni mm. | H 1,25 Kg/cad. | H 1,50 Kg/cad. | H 1,75 Kg/cad. | H 2,00 Kg/cad. | H 2,25 Kg/cad. | H 2,50 Kg/cad. |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 30 X 30 X 5 | 3,00 | 3,40 | 4,00 | - | - | - |
| 35 x 35 5,5 | - | - | - | 5,80 | 6,20 | 7,00 |

FILO DI FERRO NERO E ZINCATO

| Spess. mm. | Diametro mm. | Peso di 100 m Kg | Numero | Diametro mm. | Peso di 100 m Kg |
|---------------|-----------------|---------------------|--------|-----------------|---------------------|
| 1 | 0,6 | 0,210 | 13 | 2,0 | 2,400 |
| 2 | 0,7 | 0,298 | 14 | 2,2 | 2,900 |
| 3 | 0,8 | 0,390 | 15 | 2,4 | 3,500 |
| 4 | 0,9 | 0,494 | 16 | 2,7 | 4,400 |
| 5 | 1,0 | 0,610 | 17 | 3,0 | 5,400 |
| 6 | 1,1 | 0,738 | 18 | 3,4 | 7,000 |
| 7 | 1,2 | 0,878 | 19 | 3,9 | 9,000 |
| 8 | 1,3 | 1,000 | 20 | 4,4 | 11,800 |
| 9 | 1,4 | 1,200 | 21 | 4,9 | 14,600 |
| 10 | 1,5 | 1,400 | 22 | 5,4 | 17,700 |
| 11 | 1,6 | 1,600 | | | |
| 12 | 1,8 | 2,000 | | | |

GRIGLIA A MAGLIA SCIOLTA PER RECINZIONI, ZINCATA E PLASTIFICATA



Altezze: m 1,00 - 1,25 - 1,50 - 1,75 - 2,00

Rotoli: m 25

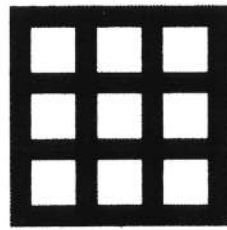
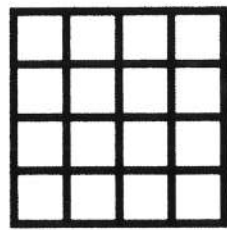
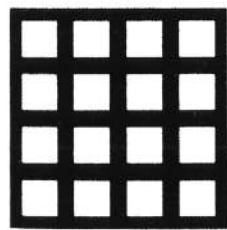
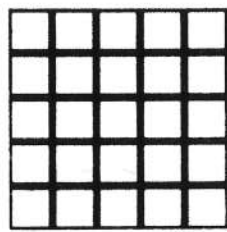
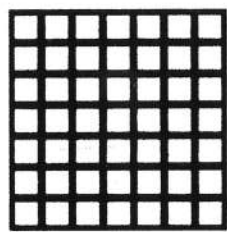
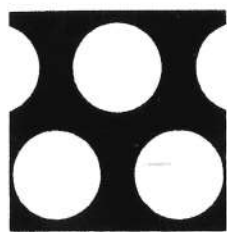
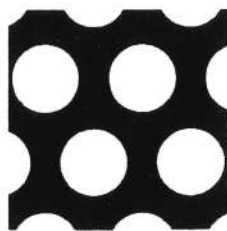
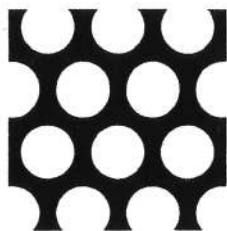
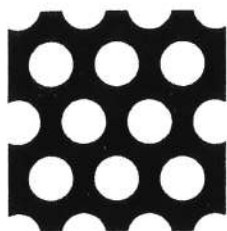
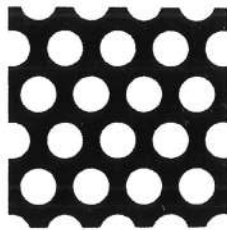
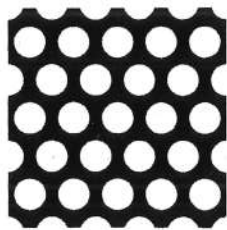
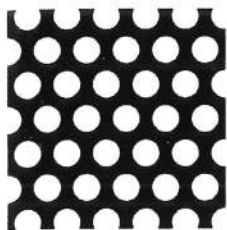
Maglie: 100x50 - 50x50

RETE ELETTRICAMENTE SALDATA PER RECINZIONI RETE PER PECORE

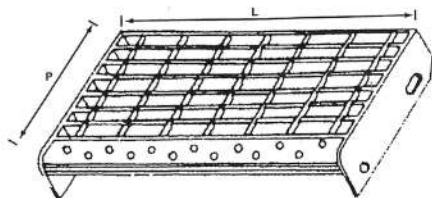
FILO SPINATO



LAMIERE FORATE

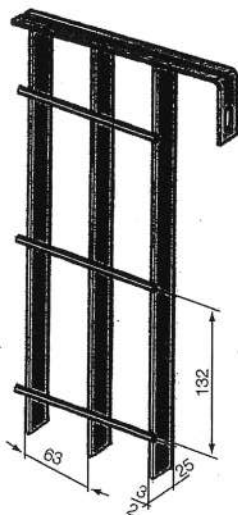


GRADINI ZINCATI



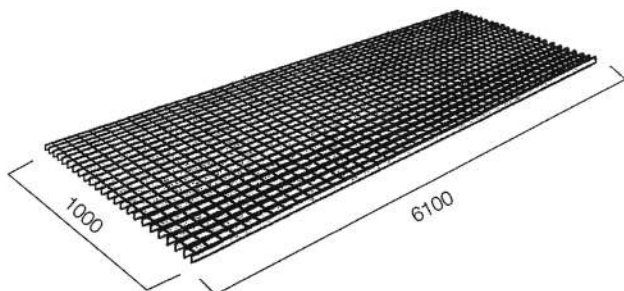
GRIGLIATO ELETTRIFORGIATO

25X2 - 63X132 • 25X3 - 63X132



GRIGLIATO ELETTRIFORGIATO

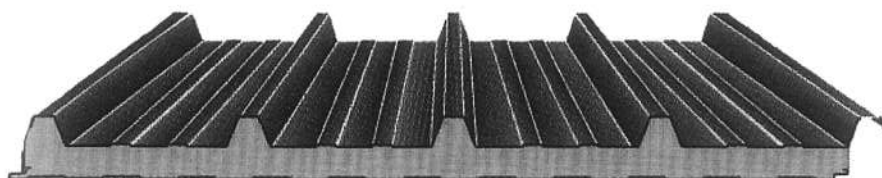
Tipologie e pesi in produzione



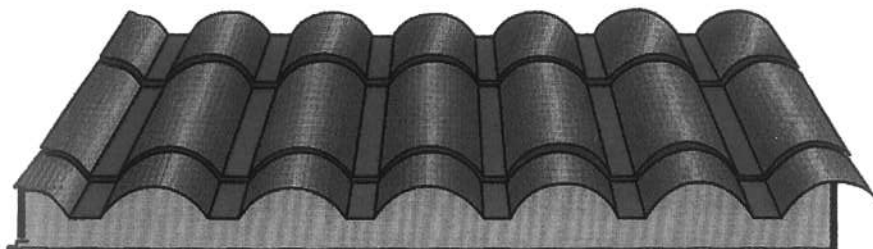
PANNELLI COIBENTATI PER TAMPONATURA



PANNELLI COIBENTATI PER COPERTURA



MODELLO COPPO - PANNELLI COPERTURA



LATTONIERA DI COMPLETAMENTO E ACCESSORI

**LAMIERE GRECATE IN ACCIAIO,
ZINCATO E PREVERNICIATE
TIPO EGB 401 PER COPERTURE**

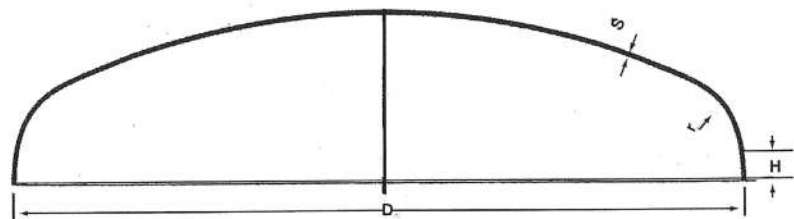
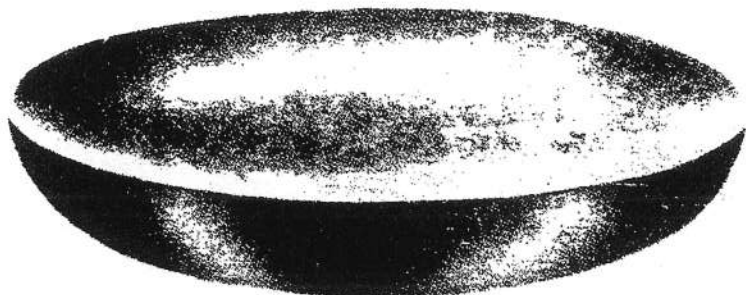


GRECATO PER SOLAIO



- **PANNELLI GRECATI ZINCATI E PREVERNICIATI
PER TAMPONATURA**
- **LAMIERE ZINCATE ONDULATE**
- **POLICARBONATO ALVEOLARE**

FONDI BOMBATI



| D mm | R mm | r mm | H mm | S mm | Peso 'teorico S=1 mm kg | Volume teorico litri |
|---------|---------|---------|---------|-----------|----------------------------------|----------------------------|
| 950 | 1900 | 30 | 10 | 2 - 3 | 6,2 | 49 |
| 1100 | 2000 | 50 | 20 | 3 - 4 - 5 | 8,5 | 86 |
| 1270 | 2500 | 50 | 20 | 3 - 4 - 5 | 11,5 | 125 |
| 1430 | 3000 | 50 | 20 | 3 - 4 - 5 | 14,4 | 170 |
| 1500 | 3000 | 50 | 20 | 3 - 4 - 5 | 15,8 | 193 |
| 1600 | 3200 | 50 | 20 | 3 - 4 - 5 | 17,8 | 223 |

COMPONENTISTICA IN ACCIAIO INOX



FERRO BATTUTO



Ricci vari e ornamenti per cancelli
Various scrolls and ornaments for gates



Cerchi, quadri, elementi ovali e pigne
Circles, squares, oval element and baskets



Rosoni e quadrilobi
Rosettes and clip-on-units



Barre sagomate e tubi ornamentali
Shaped bars and decorative tubes



Pannelli lisci e paletti per recinzioni
Plain panel units and stakes for fences



Pannelli martellati
Hammered panels



Pannelli rigati
Fluted panels



Barre forate e "salisburghesi"
Holed bars and twists "salisburghesi"



Tendenze odierne
Modern Designs



Elementi in ferro ricalcato
New forged bars



Elementi in ferro forgiato e caposaldi
Forged bars and posts



Corrimano, partenze, elementi tubolari, funi, torciglioni, fascette e barre
Hand-rails, corners and ends, Hammered tubes, robes



Borchie, lance, sfere, elementi in ottone e piastre
Studs, Spears and spikes, spheres, brass elements and plates



Fiori, foglie e altri elementi in ottone
Flowers, leaves and other brass elements



Ruote, cardini, ribattini e elementi vari
Wheels, hinges, rivets and various elements



Maniglie varie, cassette postali, vernici ed elementi per caminetti
Handles, letter-boxes, paints, fireplace elements

PESI TEORICI

I raggugli e le indicazioni contenute nel presente catalogo hanno valore informativo e sono dati senza impegno e senza alcuna nostra responsabilità. I pesi indicati sono puramente teorici in quanto calcolati in base alle dimensioni nominali dei prodotti ed al peso specifico dell'acciaio di 7.85 kg/dm³: il peso effettivo può differire secondo le tolleranze ammesse dagli usi e consuetudini vigenti

CONTROLLO PESO EFFETTIVO

È ammessa una tolleranza del 3‰ in più o in meno sul peso spedito.

Il compratore potrà avanzare i proprio reclami, che riguardino esclusivamente ammanchi di peso eccedenti la tolleranza del 3‰ solo nel caso che tale ammanco sia comprovato da pesa pubblica.

Siderarte srl