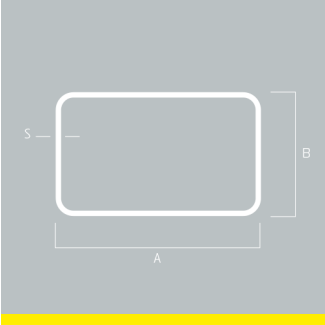


# TUBI

saldati quadri

## Square Hollow Sections

| A<br>mm | S mm |      |       |       |       |       |        |        |        |        |        |
|---------|------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
|         | 1,5  | 2    | 3     | 4     | 5     | 6     | 8      | 10     | 12,5   | 14,2   | 16     |
| 10x10   | 0,34 |      |       |       |       |       |        |        |        |        |        |
| 12x12   | 0,43 |      |       |       |       |       |        |        |        |        |        |
| 15x15   | 0,57 | 0,70 |       |       |       |       |        |        |        |        |        |
| 20x20   | 0,81 | 1,02 | 1,36  |       |       |       |        |        |        |        |        |
| 25x25   | 1,05 | 1,34 | 1,83  |       |       |       |        |        |        |        |        |
| 30x30   | 1,28 | 1,65 | 2,30  | 2,84  |       |       |        |        |        |        |        |
| 35x35   | 1,52 | 1,96 | 2,77  | 3,46  |       |       |        |        |        |        |        |
| 40x40   | 1,75 | 2,28 | 3,24  | 4,09  | 4,83  |       |        |        |        |        |        |
| 45x45   | 1,99 | 2,60 | 3,71  | 4,72  | 5,61  |       |        |        |        |        |        |
| 50x50   | 2,22 | 2,91 | 4,19  | 5,35  | 6,40  |       |        |        |        |        |        |
| 55x55   |      |      | 4,52  |       |       |       |        |        |        |        |        |
| 60x60   | 2,69 | 3,54 | 5,13  | 6,51  | 7,97  | 10,15 | 11,34  |        |        |        |        |
| 65x65   | 2,93 | 3,85 | 5,60  | 7,24  | 8,75  | 10,34 |        |        |        |        |        |
| 70x70   |      | 4,16 | 6,07  | 7,86  | 9,54  | 11,10 |        |        |        |        |        |
| 80x80   |      | 4,79 | 7,02  | 9,12  | 11,11 | 12,99 | 16,38  |        |        |        |        |
| 90x90   |      | 5,42 | 7,96  | 10,38 | 12,68 | 14,87 | 18,89  |        |        |        |        |
| 100x100 |      | 6,07 | 8,90  | 11,64 | 14,26 | 16,76 | 21,41  | 24,89  |        |        |        |
| 110x110 |      |      | 9,84  | 12,89 | 15,83 | 18,64 | 23,93  | 28,03  |        |        |        |
| 120x120 |      |      | 10,79 | 14,15 | 17,40 | 20,53 | 26,44  | 31,17  |        |        |        |
| 130x130 |      |      | 11,80 | 15,50 | 19,10 | 22,60 | 28,90  | 35,00  |        |        |        |
| 140x140 |      |      | 12,72 | 16,76 | 20,52 | 24,28 | 31,43  | 37,45  |        |        |        |
| 150x150 |      |      | 13,62 | 17,92 | 22,11 | 26,19 | 33,98  | 40,59  |        |        |        |
| 160x160 |      |      | 14,61 | 19,27 | 23,66 | 28,04 | 34,46  | 43,73  |        |        |        |
| 175x175 |      |      | 15,98 | 21,07 | 26,04 | 30,90 | 40,27  | 48,44  |        |        |        |
| 180x180 |      |      |       | 21,78 | 26,80 | 31,81 | 41,48  | 50,95  |        |        |        |
| 200x200 |      |      | 17,19 | 24,29 | 29,94 | 35,58 | 46,51  | 56,29  | 68,3   | 77,1   |        |
| 220x220 |      |      |       | 26,73 | 33,12 | 39,39 | 51,59  | 62,57  | 76,2   | 85,0   |        |
| 250x250 |      |      |       | 30,57 | 37,79 | 45,00 | 59,07  | 71,99  | 88,0   | 98,3   | 109    |
| 260x260 |      |      |       | 31,76 | 39,41 | 46,94 | 61,61  | 75,13  | 91,9   | 103    | 114    |
| 300x300 |      |      |       |       | 45,64 | 54,42 | 71,63  | 87,69  | 108    | 121    | 134    |
| 350x350 |      |      |       |       |       | 64,1  | 84,2   | 104    | 127    | 143    | 159    |
| 400x400 |      |      |       |       |       |       | 96,7   | 120    | 147    | 165    | 184    |
| 450x450 |      |      |       |       |       | 82,92 | 109,31 | 135,47 | 166,45 | 187,52 | 209,42 |
| 500x500 |      |      |       |       |       |       | 121,87 | 151,17 | 186,08 | 209,82 | 234,54 |



# TUBI

saldati rettangolari

## Rectangular Hollow Sections

| A X B<br>mm | S mm |      |      |      |      |
|-------------|------|------|------|------|------|
|             | 1,5  | 2    | 2,5  | 3    | 4    |
| 15x10       | 0,52 |      |      |      |      |
| 20x10       | 0,64 | 0,81 |      |      |      |
| 20x15       | 0,75 | 0,97 |      |      |      |
| 25x10       | 0,75 | 0,97 |      |      |      |
| 25x15       | 0,87 | 1,13 |      |      |      |
| 30x10       | 0,87 | 1,13 |      |      |      |
| 30x15       | 0,99 | 1,29 | 1,44 | 1,65 |      |
| 30x20       | 1,11 | 1,44 | 1,77 | 2,07 |      |
| 30x25       | 1,22 | 1,60 | 1,96 | 2,31 |      |
| 35x10       | 0,99 | 1,29 |      |      |      |
| 35x15       | 1,11 | 1,44 | 1,77 | 2,07 |      |
| 35x20       | 1,22 | 1,60 | 1,96 | 2,31 |      |
| 35x25       | 1,34 | 1,76 | 2,16 | 2,54 |      |
| 40x10       | 1,11 | 1,44 |      |      |      |
| 40x15       | 1,22 | 1,60 | 1,84 | 2,13 |      |
| 40x20       | 1,34 | 1,76 | 2,16 | 2,54 |      |
| 40x25       | 1,46 | 1,91 | 2,34 | 2,78 |      |
| 40x30       | 1,58 | 2,07 | 2,55 | 3,01 | 3,83 |
| 45x10       | 1,22 | 1,52 |      |      |      |
| 45x15       | 1,34 | 1,76 |      |      |      |
| 45x20       | 1,46 | 1,91 | 2,23 | 2,78 |      |
| 45x25       | 1,58 | 2,07 | 2,42 | 3,01 |      |
| 50x10       | 1,34 | 1,76 |      |      |      |
| 50x15       | 1,46 | 1,92 |      |      |      |
| 50x20       | 1,58 | 2,07 |      | 3,01 |      |
| 50x25       | 1,77 | 2,23 |      | 3,25 |      |
| 50x30       | 1,81 | 2,39 |      | 3,49 | 4,52 |
| 50x40       | 2,05 | 2,70 |      | 3,96 | 5,15 |



# TUBI

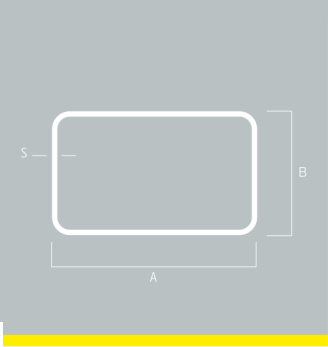
saldati rettangolari

*Rectangular Hollow Sections*

| A X B<br>mm | S mm |      |      |      |       |       |       |    |      |
|-------------|------|------|------|------|-------|-------|-------|----|------|
|             | 1,5  | 2    | 3    | 4    | 5     | 6     | 8     | 10 | 12,5 |
| 60x10       | 1,58 | 2,07 |      |      |       |       |       |    |      |
| 60x15       | 1,77 | 2,23 |      |      |       |       |       |    |      |
| 60x20       | 1,81 | 2,39 | 3,30 |      |       |       |       |    |      |
| 60x25       | 1,87 | 2,43 | 3,58 |      |       |       |       |    |      |
| 60x30       | 1,99 | 2,59 | 3,71 | 4,72 |       |       |       |    |      |
| 60x40       | 2,22 | 2,91 | 4,19 | 5,35 | 6,39  |       |       |    |      |
| 60x50       | 2,46 | 3,22 | 4,66 | 5,98 | 8,02  |       |       |    |      |
| 70x20       | 1,99 | 2,59 | 3,71 |      |       |       |       |    |      |
| 70x25       | 2,10 | 2,75 | 3,95 |      |       |       |       |    |      |
| 70x30       | 2,22 | 2,91 | 4,19 | 5,35 |       |       |       |    |      |
| 70x40       | 2,46 | 3,22 | 4,66 | 5,98 | 7,59  |       |       |    |      |
| 70x50       | 2,69 | 3,53 | 5,13 | 6,61 | 7,97  | 9,21  |       |    |      |
| 80x15       | 2,10 | 2,75 |      |      |       |       |       |    |      |
| 80x20       | 2,22 | 2,91 | 4,19 |      |       |       |       |    |      |
| 80x25       | 2,34 | 3,06 | 4,42 |      |       |       |       |    |      |
| 80x30       | 2,46 | 3,33 | 4,56 | 5,98 |       |       |       |    |      |
| 80x40       | 2,69 | 3,53 | 5,40 | 6,60 | 7,96  | 9,21  |       |    |      |
| 80x50       | 2,93 | 3,85 | 5,60 | 7,24 | 8,91  | 11,54 |       |    |      |
| 80x60       |      | 4,16 | 6,07 | 7,86 | 9,54  | 11,10 |       |    |      |
| 90x30       |      | 3,56 | 5,19 | 6,71 |       |       |       |    |      |
| 90x40       |      | 3,85 | 5,60 | 7,24 |       |       |       |    |      |
| 90x50       |      | 4,16 | 6,07 | 7,86 |       |       |       |    |      |
| 90x60       |      | 4,48 | 6,54 | 8,49 |       |       |       |    |      |
| 100x20      |      | 3,57 | 6,13 |      |       |       |       |    |      |
| 100x30      |      | 3,85 | 5,60 | 7,24 |       |       |       |    |      |
| 100x40      |      | 4,16 | 6,07 | 7,86 | 9,54  | 11,10 | 13,86 |    |      |
| 100x50      |      | 4,48 | 6,54 | 8,49 | 10,32 | 12,04 | 15,12 |    |      |

# Table 1

| A X B<br>mm | S mm |      |       |       |       |       |       |       |       |
|-------------|------|------|-------|-------|-------|-------|-------|-------|-------|
|             | 1,5  | 2    | 3     | 4     | 5     | 6     | 8     | 10    | 12,5  |
| 100x60      |      | 4,79 | 7,02  | 9,11  | 11,10 | 12,98 | 16,38 | 22,00 |       |
| 100x80      |      | 5,42 | 7,96  | 10,38 | 12,58 | 14,87 | 18,87 | 25,10 |       |
| 110x50      |      | 4,79 | 7,02  | 9,12  | 11,11 | 12,98 |       |       |       |
| 120x30      |      | 4,50 | 6,60  | 8,59  |       |       |       |       |       |
| 120x40      |      | 4,52 | 7,02  | 9,12  | 11,11 | 12,98 | 16,38 |       |       |
| 120x50      |      | 4,80 | 7,23  | 9,64  | 12,94 | 15,37 |       |       |       |
| 120x60      |      | 5,41 | 7,96  | 10,37 | 12,67 | 14,37 | 18,89 | 25,10 |       |
| 120x80      |      | 6,05 | 8,90  | 11,63 | 14,24 | 16,76 | 21,41 | 28,30 |       |
| 120x100     |      |      | 10,11 | 12,99 | 16,92 | 19,69 | 23,90 | 31,40 | 36,90 |
| 130x50      |      | 5,42 | 7,96  | 10,38 | 12,68 | 14,87 |       |       |       |
| 140x40      |      | 5,49 | 7,66  | 10,22 | 12,70 | 15,10 |       |       |       |
| 140x60      |      | 6,05 | 8,90  | 11,64 | 14,25 | 16,76 | 21,41 |       |       |
| 140x70      |      | 6,36 | 9,37  | 12,27 | 15,04 | 17,70 | 24,40 | 29,80 |       |
| 140x80      |      | 6,68 | 9,84  | 12,89 | 15,83 | 18,64 | 23,90 | 31,40 |       |
| 150x30      |      | 5,52 | 8,19  | 10,48 |       |       |       |       |       |
| 150x40      |      | 5,90 | 8,80  | 10,81 | 13,43 |       |       |       |       |
| 150x50      |      | 6,05 | 8,90  | 11,64 | 14,25 | 16,76 | 21,41 | 28,30 |       |
| 150x60      |      |      | 9,76  | 12,97 | 15,79 |       |       |       |       |
| 150x100     |      |      | 11,26 | 14,77 | 18,17 | 21,47 | 27,67 | 32,80 |       |
| 160x60      |      |      | 10,06 | 13,32 | 16,53 | 19,69 | 26,25 |       |       |
| 160x80      |      |      | 10,79 | 14,14 | 17,38 | 20,53 | 26,41 | 34,50 | 40,70 |
| 180x60      |      |      | 10,79 | 14,15 | 17,40 | 20,53 | 26,44 | 34,50 |       |
| 180x80      |      |      | 11,73 | 15,41 | 18,97 | 22,42 | 28,95 | 37,70 |       |
| 200x100     |      |      | 13,62 | 17,91 | 22,09 | 26,19 | 33,95 | 41,59 | 48,50 |
| 200x120     |      |      |       | 19,38 | 23,83 | 28,04 | 36,46 | 45,10 | 55,80 |
| 200x150     |      |      | 16,02 | 21,15 | 26,02 | 30,87 | 40,23 | 48,44 | 57,70 |
| 250x100     |      |      | 15,98 | 21,07 | 26,04 | 30,90 | 40,27 | 48,44 |       |



# TUBI

saldati rettangolari

*Rectangular Hollow Sections*

| A X B<br>mm | S mm |   |   |      |      |      |        |        |        |        |        |
|-------------|------|---|---|------|------|------|--------|--------|--------|--------|--------|
|             | 1,5  | 2 | 3 | 4    | 5    | 6    | 8      | 10     | 12,5   | 14,2   | 16     |
| 250x150     |      |   |   | 24,3 | 30,1 | 35,8 | 46,5   | 57,0   | 68,3   | 76,1   |        |
| 250x200     |      |   |   | 27,4 | 34,0 | 40,5 | 52,8   | 64,8   | 78,1   | 87,2   |        |
| 260x140     |      |   |   | 24,3 | 30,1 | 35,8 | 46,5   | 57,0   | 68,3   | 76,1   |        |
| 260x180     |      |   |   | 26,8 | 33,2 | 39,6 | 51,5   | 63,2   | 76,2   | 85,0   |        |
| 300x100     |      |   |   | 24,3 | 30,1 | 35,8 | 46,5   | 57,0   | 68,3   |        |        |
| 300x150     |      |   |   | 27,4 | 34,0 | 40,5 | 52,8   | 64,8   | 78,1   | 87,2   |        |
| 300x200     |      |   |   | 30,6 | 38,0 | 45,2 | 59,1   | 72,7   | 88,0   | 98,3   |        |
| 350x150     |      |   |   |      | 38,0 | 45,2 | 59,1   | 72,7   | 88,0   | 98,3   |        |
| 350x250     |      |   |   |      |      | 54,7 | 71,6   | 88,4   | 108    | 121    | 134    |
| 400x100     |      |   |   |      | 38,0 | 45,2 | 59,1   | 72,7   | 88,0   |        |        |
| 400x200     |      |   |   |      | 45,8 | 54,7 | 71,6   | 88,4   | 108    | 121    |        |
| 400x250     |      |   |   |      | 49,7 | 59,4 | 77,9   |        |        |        |        |
| 400x300     |      |   |   |      |      | 64,1 | 84,2   | 104    | 127    | 143    | 159    |
| 450x250     |      |   |   |      |      | 64,1 | 84,2   | 104    | 127    | 143    | 159    |
| 500x200     |      |   |   |      |      | 64,1 | 84,2   | 104    | 127    | 143    |        |
| 500x300     |      |   |   |      |      |      | 96,7   | 120    | 147    | 165    | 184    |
| 600x400     |      |   |   |      |      |      | 121,87 | 151,17 | 186,08 | 209,81 | 234,54 |