

45° conical branch pieces, galvanised

Technical catalogue: Galvanised
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Diameter A: ø100 - ø1000 mm.

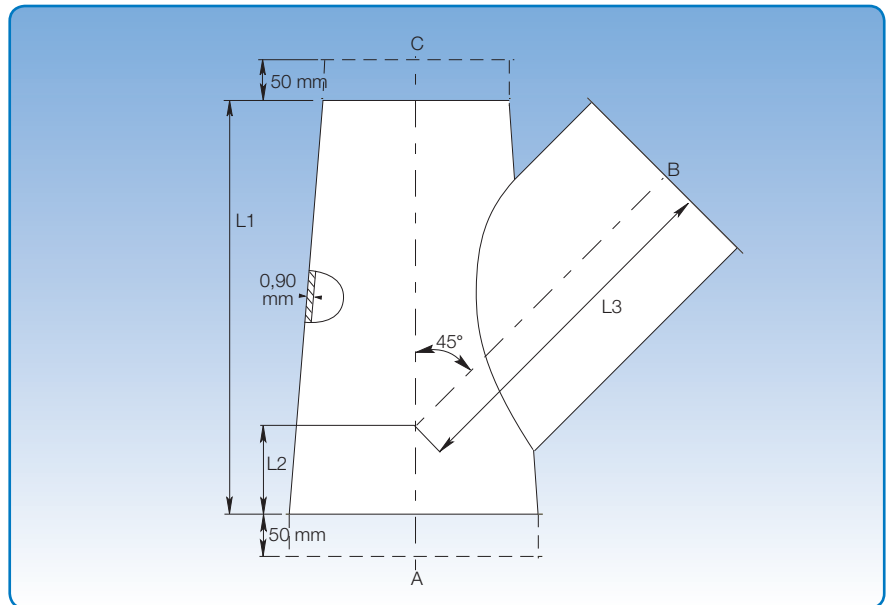
Galvanised branch pieces are made of 0.90 mm sheet metal.

L1 will be extended by 2 x 50 mm if the branch piece is supplied with loose flanges [f.b.m.fl], rapid lock pull rings [f.lyn] or wide pull rings [f.bb].

State branch piece A-, B- and C dimensions when ordering. A, B and C can be combined to order; although branch B determines length L1 as stated in the table.

Maximum diameter reduction between A and C is 200 mm. For B applies: $B < (A+C)/2$.

The largest branch will determine L1 for double branch pieces.



Calculating L2 and L3:

L1 = See table

$$L2 = \left(\frac{L1}{2} \right) - \left(\frac{A + C}{4 \times \text{tg}\alpha} \right)$$

$$L3 = \left(\frac{L1 - L2}{\cos\alpha} \right) - \left(\frac{B}{2} \times \text{tg}\alpha \right)$$

Example:

A = 500, B = 300, C = 350

L1 = 600 mm

$$L2 = \frac{600}{2} - \left(\frac{500 + 350}{4 \times \text{tg } 44,6} \right) = 300 - 215,49$$

L2 = 84,51 ~ 85 mm

$$L3 = \frac{600 - 85}{\cos 44,6} - \left(\frac{300}{2} \times \text{tg } 44,6 \right) = 723,29 - 149,92$$

L3 = 575,37 ~ 575 mm

| Dimensions | | | | | | |
|---------------------|------|---------------------|-------|-----------|-----------|------|
| A mm | B mm | C mm | L1 mm | L2 mm | L3 mm | α |
| | 80 | | 300 | | | 43,8 |
| | 100 | | 300 | | | 43,8 |
| | 120 | | 350 | | | 44,0 |
| | 125 | | 350 | | | 44,0 |
| | 140 | | 350 | | | 44,1 |
| | 150 | | 400 | | | 44,2 |
| | 160 | | 400 | | | 44,2 |
| | 180 | | 400 | | | 44,3 |
| | 200 | | 450 | | | 44,4 |
| Select (100 - 1000) | 225 | Select (100 - 1000) | 500 | Calculate | Calculate | 44,5 |
| | 250 | | 500 | | | 44,5 |
| | 275 | | 600 | | | 44,6 |
| | 300 | | 600 | | | 44,6 |
| | 315 | | 600 | | | 44,6 |
| | 350 | | 700 | | | 44,7 |
| | 400 | | 800 | | | 44,7 |
| | 450 | | 950 | | | 44,7 |
| | 500 | | 1050 | | | 44,8 |
| | 550 | | 1150 | | | 44,8 |
| 600 | 1150 | 44,8 | | | | |
| 630 | 1150 | 44,8 | | | | |
| 650 | 1150 | 44,8 | | | | |
| 700 | 1300 | 44,8 | | | | |
| 750 | 1300 | 44,8 | | | | |
| 800 | 1450 | 44,9 | | | | |
| 850 | 1450 | 44,9 | | | | |
| 900 | 1650 | 44,9 | | | | |