

45° conical branch pieces, 2 and 3 mm

Diameter A for 2 mm: ø120 - ø1000 mm.
Diameter A for 3 mm: ø150 - ø1000 mm.

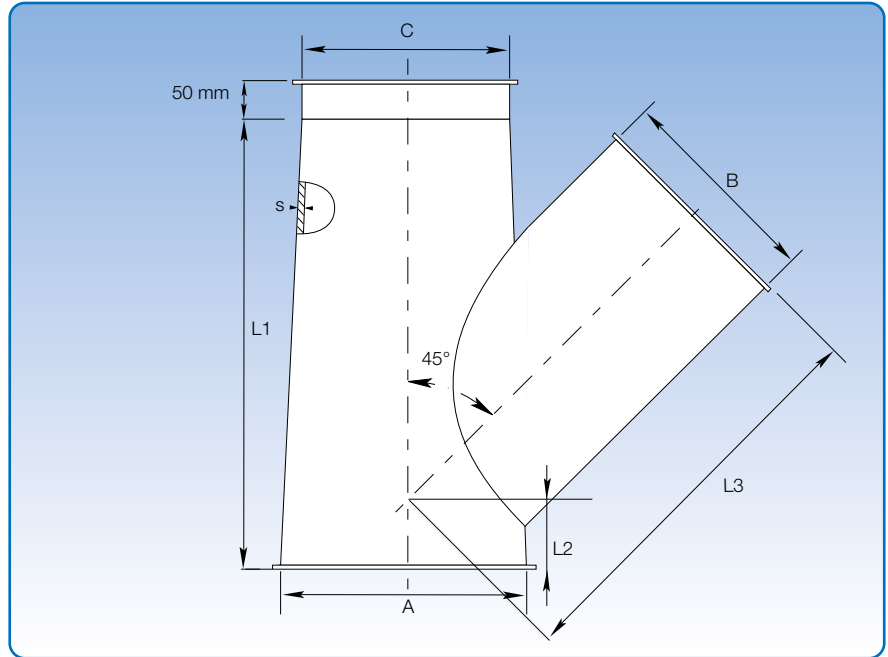
Conical branch pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). Conical branch pieces with $A \leq 400$ mm are supplied for assembly with pull rings [f.b] and for $A \geq 450$ mm with flanges [m.fl].

L1 is extended by a 50 mm welding end at dimension C if the branch piece is supplied with flanges [m.fl], loose flanges [f.b.m.fl] or rapid lock pull rings [f.lyn].

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 difference between diameter A and C is 100 mm. For B applies:
 $B < (A+C)/2$.

The highest value of dimension B determines L1 on the common stem for double branch pieces. L2 and L3 can then be calculated for both branches. Normally, the branches are opposite each other.



Calculating L2 and L3:

L1 = See table

$$L2 = \left(\frac{L1}{2} \right) - \left(\frac{A + C}{4 \times \tan 45^\circ} \right)$$

$$L3 = \left(\frac{L1 - L2}{\cos 45^\circ} \right) - \left(\frac{B}{2} \times \tan 45^\circ \right)$$

Example:

A = 650, B = 315, C = 600

L1 = 600 mm

$$L2 = \frac{600}{2} - \frac{650 + 600}{4 \times \tan 45^\circ} = 300 - 312,5$$

L2 = - 12,5 p - 13 mm

$$L3 = \frac{600 + 13}{\cos 45^\circ} - \left(\frac{315}{2} \times \tan 45^\circ \right) = 866,92 - 157,5$$

L3 = 709,42 p 709 mm

Dimensions					
A mm	B mm	C mm	L1 mm	L2 mm	L3 mm
Select (100 - 1000)	80	Select (100 - 1000)	300	Calculate	Calculate
	100		300		
	120		350		
	125		350		
	140		350		
	150		400		
	160		400		
	180		400		
	200		450		
	225		500		
	250		500		
	275		600		
	300		600		
	315		600		
	350		700		
	400		800		
	450		950		
	500		1050		
	550		1150		
600	1250				
650	1150				
700	1300				
750	1300				
800	1450				
850	1450				
900	1650				