

## 45° straight branch pieces, 2 and 3 mm

Diameter for 2 mm: ø100 - ø1000 mm.

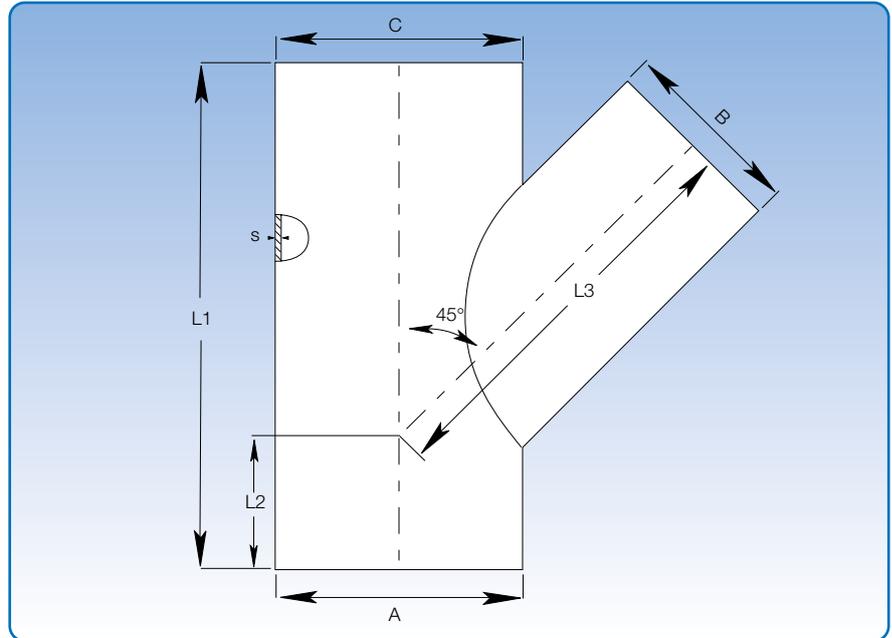
Diameter for 3 mm: ø150 - ø1000 mm.

Straight branch pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). Straight branch pieces with  $A = C \leq 400$  mm are supplied for assembly with pull rings [f.b] and for  $A = C \geq 450$  mm with flanges [m.fl]. When assembled with loose flanges, [f.b.m.fl], and flanges [m.fl] L1 is extended by 2 x 50 mm.

State A-, B- and C dimensions when ordering. Options are limited by  $A = C$ , and  $A \geq B$ .

The branch determines the length of L1. Branch pieces are always straight with the branch centrally located. L1, L2 and L3 can be calculated using the stated formulas.

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



### Calculating L2 and L3:

L1 = see table

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

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

### Example:

A = B = C = 600

L1 = 1150 mm

$$L2 = \frac{1150}{2} - \frac{600}{2} = 575 - 300$$

L2 = 275 mm

$$L3 = \frac{1150 - 275}{\cos 45^\circ} - \left( \frac{600}{2} \times \tan 45^\circ \right)$$

L3 = 1237,44 - 300

L3 = 937,44 p 937 mm

Dimensions				
A = C mm	B mm	L1 mm	L2 mm	L3 mm
Select (100 - 1000)	80	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	950		
	550	1050		
	600	1150		
650	1150			
700	1300			
750	1300			
800	1450			
850	1450			
900	1650			