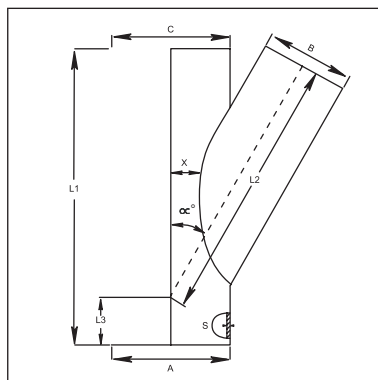


## 30° Duct Entries

CODE DE30



Dimensional specifications are given in the table below

### Dimensional Specifications

A mm	B mm	C mm	L1 mm	L2 mm	L3 mm	$\alpha^\circ$	S mm
Choose (100 - 1000)	80	Choose (100 - 1000)	350	Calculated	Calculated	28.0	0.90
	100		350			28.8	0.90
	120		350			28.8	0.90
	125		400			29.0	0.90
	140		450			29.1	0.90
	150		450			29.2	0.90
	160		450			29.2	0.90
	180		550			29.3	0.90
	200		550			29.3	0.90
	225		600			29.4	0.90
	250		750			29.5	0.90
	275		750			29.6	0.90
	300		750			29.6	0.90
	315		850			29.6	0.90
	350		950			29.6	0.90
	400		1050			29.7	0.90
	450		1250			29.7	0.90
	500		1250			29.7	0.90
550	1250	29.8	0.90				
600	1450	29.8	0.90				
650	1650	29.8	0.90				
700	1650	29.8	0.90				
750	1850	29.8	0.90				
800	1850	29.9	0.90				
850	2050	29.9	0.90				
900	2050	29.9	0.90				

#### Material

0.9mm galvanised steel

#### Sizes

Manufactured to order

#### Dimensions

Customer to specify A, B & C. Please note that options are limited by the fact that  $A = C$  &  $A \geq B$

The branch determines the length L1. The duct entry can only be fitted to straight duct with the branch placed centrally on the plate

If  $B < 300$ :  $X = 50$ mm

If  $B > 300$ :  $X = 100$ mm

#### Calculations

$L1 =$  See table

$L2 = 1/2 - (L1 - (A/\tan \alpha))$

$L3 = ((L1 - L2)/\cos \alpha) - ((B/2) \times \tan \alpha)$

#### Example

$A = 700$ ,  $B = 350$ ,  $C = 700$

$L1 = 950$ mm

$L2 = 0.5 - (950 - (700/\tan 29.6))$

$= 0.5 - (950 - 1332.22)$

$L2 = 382.72 \sim 383$ mm

$L3 = ((950 - 383)/\cos 29.6) - ((350/2) \times \tan 29.6) = 652.10 - 99.41$

$L3 = 552.69 \sim 553$ mm

