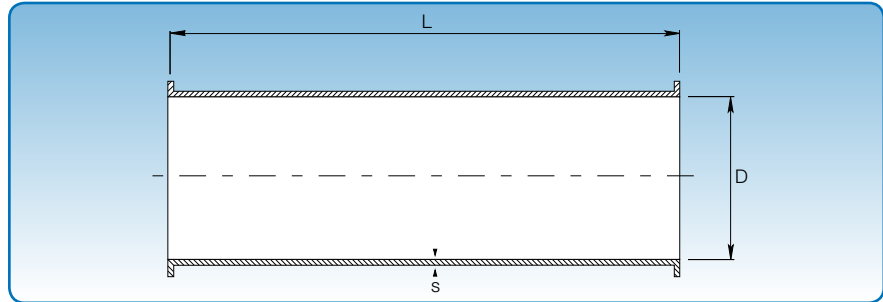


Ducts, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 1/15
 Revised: 01.01.2004

Diameter for 2 mm: $\phi 100 - \phi 1000$ mm.

Diameter for 3 mm: $\phi 150 - \phi 1000$ mm.



Dimensional specifications are given in the table below.

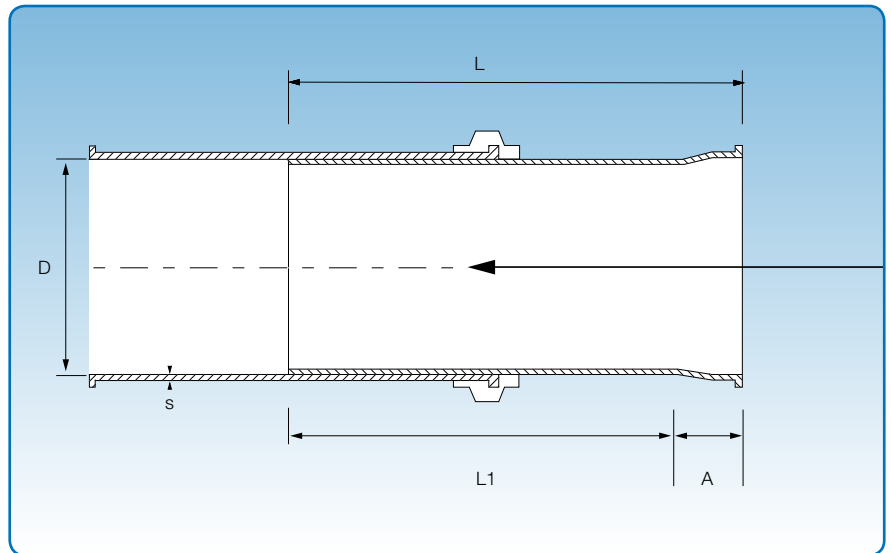
Dimensional specifications						
D mm	s mm	Weight L=0,2 m	Weight L=0,5 m	Weight L=1,0 m	Weight L=2,0 m	
		kg	kg	kg	kg	
100	2,00	1,0	2,5	5,0	10,0	
120	2,00	1,3	3,1	6,2	12,4	
125	2,00	1,4	3,2	6,4	12,8	
140	2,00	1,5	3,6	7,2	14,4	
150	2,00	1,6	3,8	7,6	15,2	
160	2,00	1,7	4,1	8,2	16,4	
180	2,00	1,8	4,6	9,1	18,2	
200	2,00	2,1	5,1	10,2	20,4	
275	2,00	2,5	5,8	11,7	22,8	
250	2,00	2,7	6,3	12,6	25,2	
300	2,00	3,2	7,6	15,2	30,4	
315	2,00	3,4	7,9	16,0	31,9	
350	2,00	3,8	8,9	17,8	35,6	
400	2,00	4,3	10,1	20,2	40,4	
450	2,00	4,9	11,4	22,8	45,6	
500	2,00	5,4	12,6	25,2	50,4	
550	2,00	6,0	13,9	27,8	55,6	
600	2,00	6,6	15,2	30,4	60,8	
630	2,00	6,4	15,9	31,8	63,6	
650	2,00	6,6	16,4	32,8	65,6	
700	2,00	7,1	17,6	35,2	70,4	
750	2,00	7,6	18,9	37,8	75,6	
800	2,00	8,1	20,2	40,4	80,8	
850	2,00	8,6	21,4	42,8	85,6	
900	2,00	9,1	22,7	45,3	90,6	
950	2,00	9,6	24,0	48,0	96,0	
1000	2,00	10,1	25,2	50,4	100,8	
150	3,00	2,4	5,7	11,4	22,8	
160	3,00	2,5	6,1	12,2	24,4	
180	3,00	2,7	6,8	13,6	27,2	
200	3,00	3,2	7,6	15,0	30,4	
250	3,00	4,0	9,5	19,0	38,0	
275	3,00	4,6	10,2	20,5	41,2	
300	3,00	4,8	11,4	22,8	45,6	
315	3,00	5,0	12,0	24,0	47,8	
350	3,00	5,7	13,3	26,6	53,2	
400	3,00	6,5	15,2	30,4	60,8	
450	3,00	7,3	17,1	34,2	68,4	
500	3,00	8,1	19,0	38,0	76,0	
550	3,00	8,4	20,9	41,8	83,6	
600	3,00	9,7	22,7	45,4	90,8	
630	3,00	9,5	23,8	47,6	95,2	
650	3,00	9,7	24,6	49,2	98,4	
700	3,00	10,6	26,4	52,8	105,6	
750	3,00	11,3	28,3	56,6	113,2	
800	3,00	12,1	30,2	60,4	120,8	
850	3,00	12,9	32,1	64,2	128,4	
900	3,00	13,6	34,0	68,0	136,0	
950	3,00	14,4	35,9	71,8	143,6	
1000	3,00	15,1	37,8	75,6	151,2	

Telescopic ducts, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 2/15
 Revised: 01.01.2004

Diameter: $\phi 100 - \phi 500$ mm.

JKF's welded telescopic ducts are made from 2,00 and 3,00 mm steel plate (s) and supplied with rapid lock pull rings with rubber insert.



Dimensional specifications are given in the table below.

Dimensional specifications						
D	L mm	A mm	L1 mm	Weight 2 mm s mm	Weight 3 mm kg	kg
100	500	55	445	2,00	2,4	-
120	500	55	445	2,00	2,9	-
125	500	55	445	2,00	3,0	-
140	500	65	435	2,00	3,4	-
150	500	65	435	2,00 and 3,00	3,6	5,5
160	500	65	435	2,00 and 3,00	3,8	5,7
180	500	65	435	2,00 and 3,00	4,3	6,5
200	500	65	435	2,00 and 3,00	4,8	7,2
225	500	65	435	2,00 and 3,00	5,5	8,3
250	500	65	435	2,00 and 3,00	6,1	9,2
275	500	65	435	2,00 and 3,00	6,7	10,0
300	500	65	435	2,00 and 3,00	7,3	11,0
315	500	65	435	2,00 and 3,00	7,7	11,6
350	500	65	435	2,00 and 3,00	8,5	12,8
400	500	65	435	2,00 and 3,00	9,8	14,7
450	500	65	435	2,00 and 3,00	11,0	16,5
500	500	70	430	2,00 and 3,00	12,3	18,5

Ducts with direct flange, 2 and 3 mm

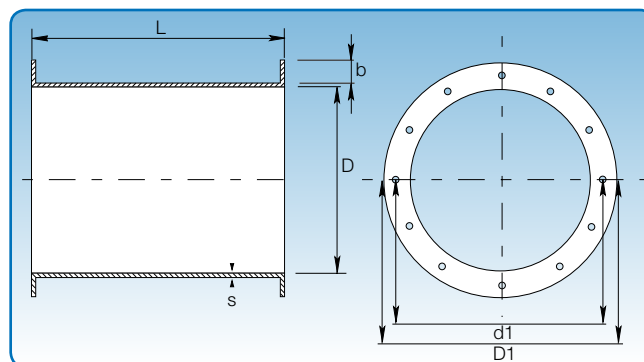
Technical catalogue: Duct systems
Section: 02
Page: 3/15
Revised: 01.01.2004

Diameter: $\phi 300 - \phi 1000$ mm.

JKF's ducts with direct flange are welded and made from 2,00 and 3,00 mm steel plate (s).

These ducts are supplied with rolled flanges [d.fl] in the same material as the ducts.

The rolled flanges can be used together with JKF's standard programme of loose and welded flanges.



Dimensional specifications are given in the table below.

Dimensional specifications									
D mm	s mm	D1 mm	d1 mm	Weight b mm	Weight L=0,2 m kg	Weight L=0,5 m kg	Weight L=1,0 m kg	Number L=2,0 m kg	of holes
300	2,00	354	336	25	3,2	7,6	15,2	30,4	12
315	2,00	370	351	25	3,3	7,9	15,8	31,6	12
350	2,00	415	389	30	3,8	8,9	17,8	35,6	12
400	2,00	465	439	30	4,3	10,1	20,2	40,4	16
450	2,00	515	489	30	4,9	11,4	22,8	45,6	16
500	2,00	565	540	30	5,4	12,6	25,2	50,4	16
550	2,00	615	590	30	6,0	13,9	27,8	55,6	16
600	2,00	665	640	30	6,6	15,2	30,4	60,8	16
630	2,00	695	670	30	6,4	15,9	31,8	63,6	24
650	2,00	715	690	30	6,6	16,4	32,8	65,6	24
700	2,00	785	750	40	7,1	17,6	35,2	70,4	24
750	2,00	835	800	40	7,6	18,9	37,8	75,6	24
800	2,00	885	850	40	8,1	20,2	40,4	80,8	24
850	2,00	935	900	40	8,6	21,4	42,8	85,6	24
900	2,00	985	950	40	9,1	22,7	45,3	90,6	24
950	2,00	1035	1000	40	9,6	24,0	48,0	96,0	24
1000	2,00	1085	1050	40	10,1	25,2	50,4	100,8	24
300	3,00	354	336	25	4,8	11,4	22,8	45,6	12
315	3,00	370	351	25	5,0	11,9	23,7	47,4	12
350	3,00	415	389	30	5,7	13,3	26,6	53,2	12
400	3,00	465	439	30	6,5	15,2	30,4	60,8	16
450	3,00	515	489	30	7,3	17,1	34,2	68,4	16
500	3,00	565	540	30	8,1	19,0	38,0	76,0	16
550	3,00	615	590	30	8,4	20,9	41,8	83,6	16
600	3,00	665	640	30	9,7	22,7	45,4	90,8	16
630	3,00	695	670	30	9,5	23,8	47,6	95,2	24
650	3,00	715	690	30	9,7	24,6	49,2	98,4	24
700	3,00	785	750	40	10,6	26,4	52,8	105,6	24
750	3,00	835	800	40	11,3	28,3	56,6	113,2	24
800	3,00	885	850	40	12,1	30,2	60,4	120,8	24
850	3,00	935	900	40	12,9	32,1	64,2	128,4	24
900	3,00	985	950	40	13,6	34,0	68,0	136,0	24
950	3,00	1035	1000	40	14,4	35,9	71,8	143,6	24
1000	3,00	1085	1050	40	15,1	37,8	75,6	151,2	24

Length of duct / size of hole

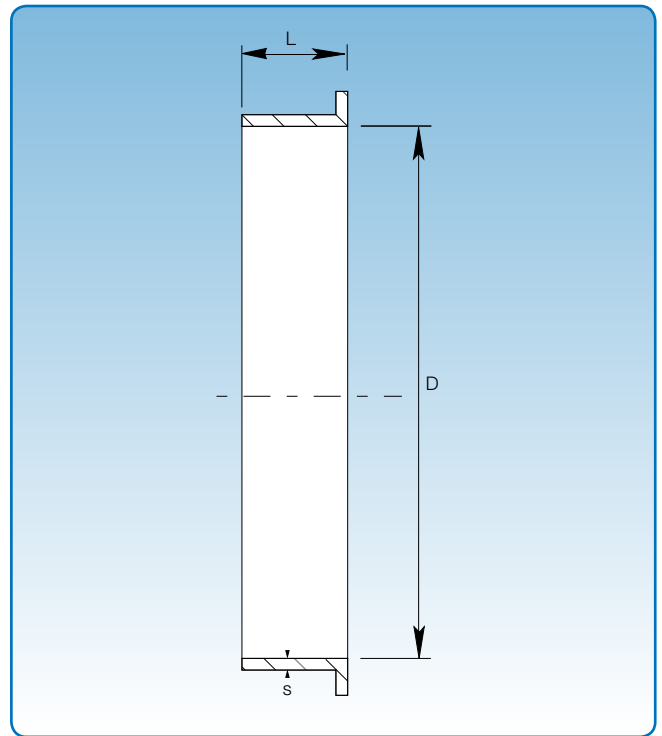
	L = 0,2 m	L = 0,5 m	L = 1,0 m	L = 2,0	Size of hole
300 - 350 mm	1200	439	931	1995	11
350 - 650	200	445	945	1945	11
700 - 1000	200	425	925	1925	11

Welding ends, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 4/15
 Revised: 01.01.2004

Diameter: $\varnothing 80 - \varnothing 600$ mm.

JKF's welding ends are made from 2,00 and 3,00 mm steel plate (s) and are supplied untreated.



Dimensional specifications are given in the table below.

Dimensional specifications				
D mm	s mm	L mm	Weight 2 mm kg	Weight 3 mm kg
80	2,00	30	0,15	-
100	2,00	35	0,20	-
120	2,00	35	0,25	-
125	2,00	35	0,25	-
140	2,00	35	0,35	-
150	2,00 and 3,00	45	0,40	0,60
160	2,00 and 3,00	45	0,40	0,60
180	2,00 and 3,00	45	0,45	0,70
200	2,00 and 3,00	45	0,50	0,75
225	2,00 and 3,00	45	0,60	0,90
250	2,00 and 3,00	45	0,65	0,95
275	2,00 and 3,00	45	0,69	1,00
300	2,00 and 3,00	45	0,75	1,15
315	2,00 and 3,00	45	0,80	1,20
350	2,00 and 3,00	45	0,90	1,35
400	2,00 and 3,00	45	1,00	1,50
450	2,00 and 3,00	45	1,15	1,70
500	2,00 and 3,00	50	1,40	2,00
550	2,00 and 3,00	50	5,60	2,30
600	2,00 and 3,00	50	1,65	2,50

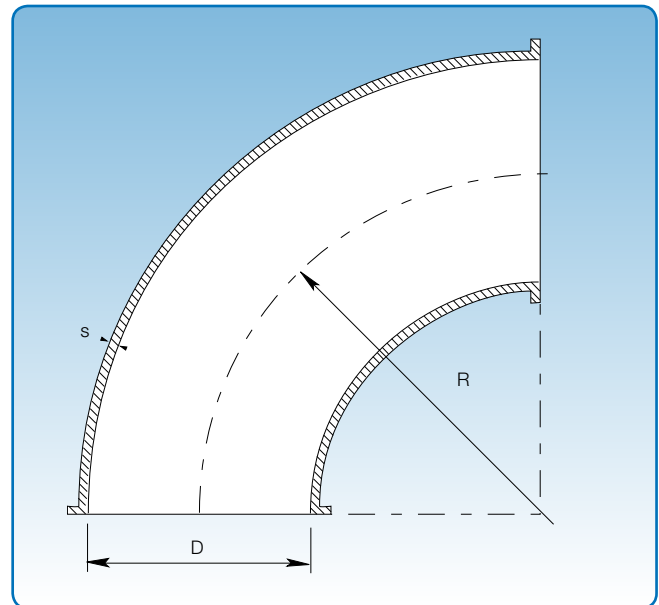
Pressed bends, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 5/15
 Revised: 01.01.2004

Diameter for 2 mm: $\phi 100 - \phi 400$ mm.

Diameter for 3 mm: $\phi 150 - \phi 200$ mm.

JKF's pressed bends are made from 2,00 and 3,00 mm steel plate (s).



Dimensional specifications are given in the table below.
 $R = 1,5 \times D$ for all dimensions.

Dimensional specifications						
D mm	s mm	Weight 90° kg	Weight 60° kg	Weight 45° kg	Weight 30° kg	Weight 15° kg
100	2,00	1,2	0,9	0,6	0,4	0,2
120	2,00	1,8	1,2	0,9	0,6	0,3
125	2,00	2,0	1,3	1,0	0,7	0,4
150	2,00	2,9	2,0	1,4	1,0	0,5
160	2,00	3,2	2,2	1,6	1,1	0,7
180	2,00	4,1	2,7	2,1	1,4	0,7
200	2,00	5,0	3,4	2,5	1,7	0,7
250	2,00	7,6	5,2	3,8	2,6	1,4
300	2,00	11,2	7,5	5,6	3,8	1,9
350	2,00	15,7	10,4	7,8	5,2	2,6
400	2,00	19,6	13,1	9,8	6,5	3,3
150	3,00	4,3	3,0	2,2	1,5	0,8
160	3,00	4,8	3,2	2,4	1,6	1,0
180	3,00	6,2	4,1	3,1	2,1	1,1
200	3,00	7,5	5,1	3,7	2,5	1,3

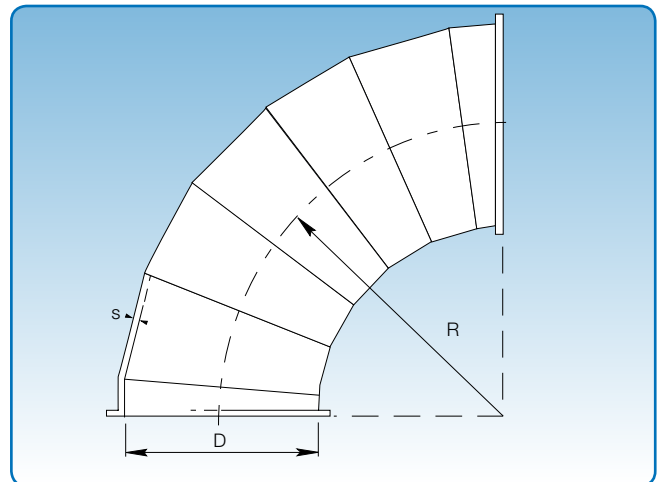
Segment bends, 2 and 3 mm

Technical catalogue: Duct systems
Section: 02
Page: 6/15
Revised: 01.01.2004

Diameter for 2 mm: $\phi 140 - \phi 1000$ mm.

Diameter for 3 mm: $\phi 225 - \phi 1000$ mm.

The segment bends are made to order in other radii and dimensions.



Dimensional specifications are given in the table below.
 $R = 1,5 \times D$ for all dimensions.

Dimensional specifications						
D mm	s mm	Weight 90° kg	Weight 60° kg	Weight 45° kg	Weight 30° kg	Weight 15° kg
140	2,00	3,7	2,8	2,1	1,4	0,7
225	2,00	7,6	5,2	3,9	2,2	1,3
275	2,00	9,5	6,5	4,8	3,3	1,8
315	2,00	13,1	8,6	6,5	4,4	2,2
450	2,00	24,2	16,2	12,1	8,1	4,0
500	2,00	29,9	20,0	15,0	10,0	5,0
550	2,00	36,2	24,2	18,1	12,1	6,0
600	2,00	43,1	28,8	21,6	14,4	7,2
630	2,00	47,4	31,7	23,8	15,8	7,9
650	2,00	50,6	33,8	25,3	16,9	8,4
700	2,00	58,8	39,2	29,4	19,6	9,8
750	2,00	67,5	45,0	33,8	22,5	11,3
800	2,00	76,8	51,2	38,4	25,6	12,8
850	2,00	86,8	57,8	43,4	28,9	14,5
900	2,00	97,3	64,9	48,7	32,4	16,2
950	2,00	108,4	72,3	54,2	36,1	18,1
1000	2,00	120,2	80,1	60,1	40,1	20,0
225	3,00	9,6	6,7	5,0	3,3	1,7
250	3,00	11,1	7,4	5,6	3,7	1,9
275	3,00	13,0	8,6	6,4	4,3	2,1
300	3,00	16,1	10,7	8,0	5,4	2,7
315	3,00	19,8	13,1	9,9	6,5	3,2
350	3,00	22,0	14,6	11,0	7,3	3,7
400	3,00	28,6	19,1	14,3	9,5	4,8
450	3,00	36,4	24,2	18,2	12,1	6,1
500	3,00	44,9	29,9	22,4	15,0	7,5
550	3,00	54,4	36,2	27,2	18,1	9,1
600	3,00	64,7	43,2	32,4	21,6	10,8
630	3,00	71,1	47,4	35,6	23,7	11,9
650	3,00	76,0	50,6	38,0	25,3	12,7
700	3,00	88,2	58,8	44,1	29,4	14,7
750	3,00	101,3	67,5	50,6	33,8	16,9
800	3,00	115,2	76,8	57,6	38,4	19,2
850	3,00	130,1	86,8	65,1	43,4	21,7
900	3,00	146,0	97,3	73,0	48,7	24,3
950	3,00	162,6	108,4	81,3	54,2	27,1
1000	3,00	180,3	120,2	90,2	60,1	30,1

30° straight branch pieces, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 7/15
 Revised: 01.01.2004

Diameter for 2 mm: $\phi 100 - \phi 600$ mm.
 Diameter for 3 mm: $\phi 150 - \phi 600$ mm.

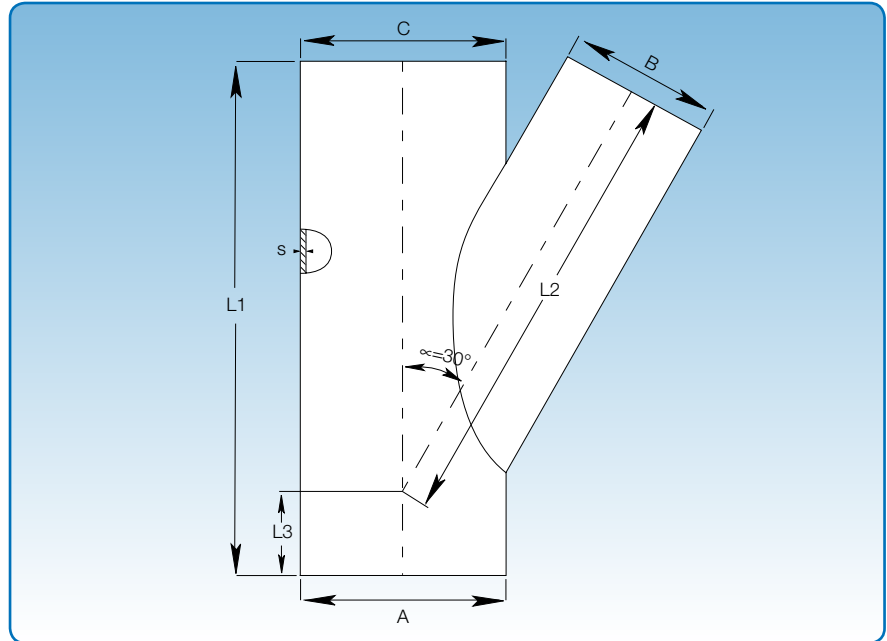
JKF's straight branch pieces are welded and made from 2,00 and 3,00 mm steel plate (s).

When placing an order, the measurements for A, B and C must be stated. Please note that the options are restricted by the fact that $A = C$ and $A \neq B$.

The branch determines the length L1.
 The branch pieces can only be fitted to straight ducts with the branch placed centrally.

L1, L2 and L3 are calculated by means of the formulas below.

In the case of double branch pieces, it is the largest value of B that determines the length L1. Then L2 and L3 are calculated for both branches. Normally the branches are placed opposite each other.



Calculation of L1, L2 and L3:

L1 = See table

$$L2 = \left(\frac{L1}{2} \right) - \left(\frac{A + C}{2,3094} \right)$$

$$L3 = \left(\frac{L1 - L2}{0,866} \right) - \left(B \times 0,2887 \right)$$

Example:

$A = B = C = 450$

$L1 = 1250$ mm

$$L2 = \frac{1250}{2} - \left(\frac{450 + 450}{2,3094} \right) = 625 - 389,71$$

$L2 = 235,29 \sim 235$ mm

$$L3 = \frac{1250 - 235}{0,866} - \left(450 \times 0,2887 \right) = 1172,06 - 129,92$$

$L3 = 1042,14 \sim 1042$ mm

Dimensional specifications					
A mm	B mm	C mm	L1 mm	L2 mm	L3 mm
Choose (100 - 500)	80	Choose (100 - 500)	350	Calculated	Calculated
	100		350		
	120		350		
	125		400		
	140		450		
	150		450		
	160		450		
	180		550		
	200		550		
	225		600		
	250		750		
	275		750		
	300		750		
Choose (550 - 1000)	450	Choose (550 - 1000)	1250	Calculated	Calculated
	500		1250		
	550		1250		
	600		1450		
	650		1650		
	700		1650		
	750		1850		
	800		1850		
	850		2050		
	900		2050		

45° straight branch pieces, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 8/15
 Revised: 01.01.2004

Diameter for 2 mm: $\phi 100 - \phi 600$ mm.
 Diameter for 3 mm: $\phi 150 - \phi 600$ mm.

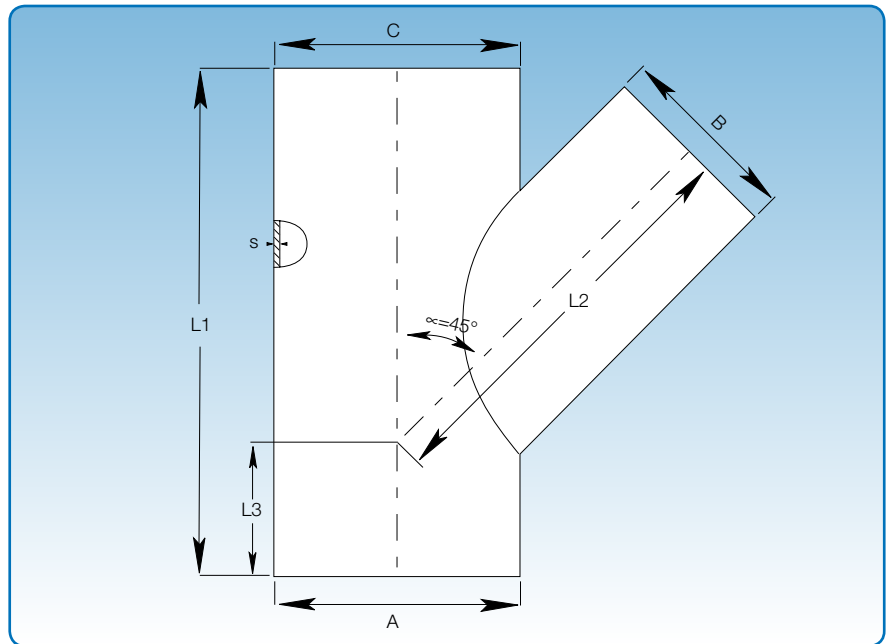
JKF's straight branch pieces are welded and made from 2,00 and 3,00 mm steel plate (s).

When placing an order, the measurements for A, B and C must be stated. Please note that the options are restricted by the fact that $A = C$ and $A = B$.

The branch determines the length L1.
 The branch pieces can only be fitted to straight ducts with the branch placed centrally.

L1, L2 and L3 are calculated by means of the formulas below.

In the case of double branch pieces, it is the largest value of B that determines the length L1. Then L2 and L3 are calculated for both branches. Normally the branches are placed opposite each other.



Calculation of L1, L2 and L3:

L1 = See table

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

$$L3 = \left(\frac{L1 - L2}{0,7071} \right) - (B \times 0,5)$$

Example:

$A = B = C = 600$

$L1 = 1250$ mm

$$L2 = \frac{1250}{2} - \frac{600 + 600}{4} = 625 - 300$$

$L2 = 325$ mm

Dimensional specifications					
A mm	B mm	C mm	L1 mm	L2 mm	L3 mm
Choose (100 - 500)	80	Choose (100 - 500)	300	Calculated	Calculated
	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		
Choose (550 - 1000)	450	Choose (550 - 1000)	950	Calculated	Calculated
	500		1050		
	550		1150		
	600		1250		
	650		1150		
	700		1300		
	750		1300		
	800		1450		
	850		1450		
	900		1650		

30° conical branch pieces, 2 and 3 mm

Technical catalogue: Duct systems
Section: 02
Page: 9/15
Revised: 01.01.2004

Diameter A for 2 mm: $\phi 120 - \phi 1000$ mm.
Diameter A for 3 mm: $\phi 150 - \phi 1000$ mm.

JKF's conical branch pieces are welded and made from 2,00 and 3,00 mm steel plate (s).

When the branch pieces are supplied with loose flanges [f.b.m.fl] and rapid lock pull rings [f.lyn], L1 is increased by a welding end near C (see also the section about welding ends).

When the conical branch pieces (A - C) are ordered for assembly with rapid lock pull rings [f.lyn] and wide pull rings [f.bb], L1 is also increased by a welding end near C (see also the section about welding ends).

Where the dimension of welding ends is larger than $\phi 600$ mm, L1 is increased by 50 mm.

When placing an order, the measurements for A, B and C must be stated. A, B and C are combined according to your requirements. The branch B determines L1, however, as seen from the below table.

The maximum diameter reduction between A and C is 100 mm. B must, however, not be larger than or equal to $(A+C)/2$.

As regards double branch pieces it is the largest value of B that determines the length L1. Then L2 and L3 are calculated for both the branches. Normally the branches are placed opposite each other.

Calculation of L1, L2 and L3:

L1 = See table

$$L2 = \left(\frac{L1}{2} \right) - \left(\frac{A+C}{2,3094} \right)$$

$$L3 = \left(\frac{L1-L2}{0,866} \right) - (B \times 0,2887)$$

Example:

A = 500, B = 300, C = 400

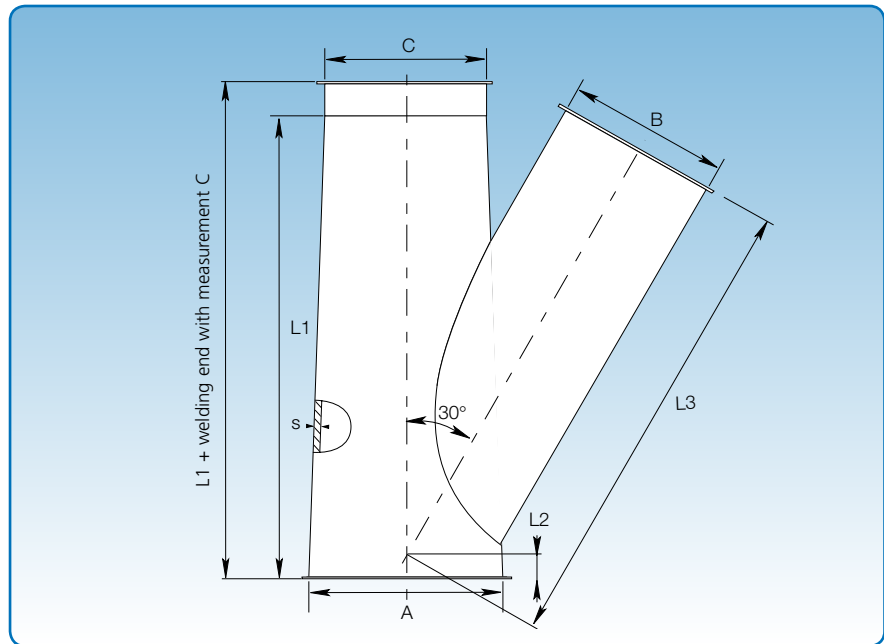
L1 = 750 mm

$$L2 = \frac{750}{2} - \frac{500+400}{2,3094} = 375 - 389,71$$

L2 = - 14,71 ~ - 15 mm

$$L3 = \frac{750 - 15}{0,866} - (300 \times 0,2887) = 883,37 - 86,61$$

L3 = 796,76 ~ 797 mm



Dimensional specifications					
A mm	B mm	C mm	L1 mm	L2 mm	L3 mm
Choose (100 - 500)	80	Choose (100 - 500)	350	Calculated	Calculated
	100		350		
	120		350		
	125		400		
	140		450		
	150		450		
	160		450		
	180		550		
	200		550		
	225		600		
	250		750		
	275		750		
	300		750		
	315		850		
350	950				
400	1050				
Choose (550 - 1000)	450	Choose (550 - 1000)	1250	Calculated	Calculated
	500		1250		
	550		1250		
	600		1450		
	650		1650		
	700		1650		
	750		1850		
	800		1850		
	850		2050		
	900		2050		

45° conical branch pieces, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 10/15
 Revised: 01.01.2004

Diameter A for 2 mm: $\phi 120 - \phi 1000$ mm.
 Diameter A for 3 mm: $\phi 150 - \phi 1000$ mm.

JKF's conical branch pieces are welded and made from 2,00 and 3,00 mm steel plate (s).

When the branch pieces are supplied with loose flanges [f.b.m.fl] and rapid lock pull rings [f.lyn], L1 is increased by a welding end near C (see also the section about welding ends).

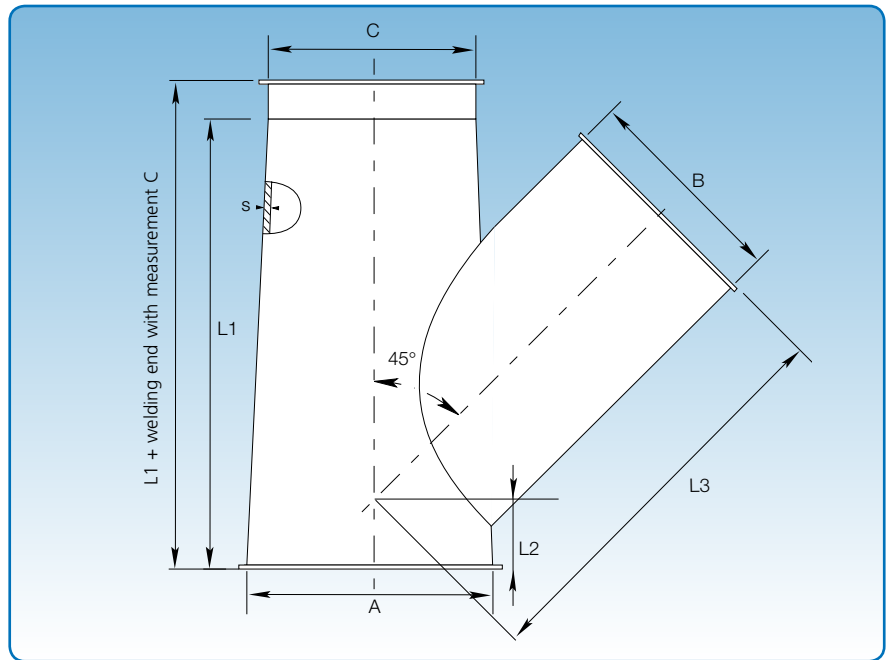
When the conical branch pieces (A - C) are ordered for assembly with rapid lock pull rings [f.lyn] and wide pull rings [f.bb], L1 is also increased by a welding end near C (see also the section about welding ends).

Where the dimension of welding ends is larger than $\phi 600$ mm, L1 is increased by 50 mm.

When placing an order, the measurements for A, B and C must be stated. A, B and C are combined according to your requirements. The branch B, however, determines L1, as seen from the below table.

The maximum diameter reduction between A and C is 100 mm. B must, however, not be larger than or equal to $(A+C)/2$.

As regards double branch pieces it is the largest value of B that determines the length L1. Then L2 and L3 are calculated for both the branches. Normally the branches are placed opposite each other.



Dimensional specifications					
A mm	B mm	C mm	L1 mm	L2 mm	L3 mm
Choose (100 - 500)	80	Choose (100 - 500)	300	Calculated	Calculated
	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				
Choose (550 - 1000)	450	Choose (550 - 1000)	950	Calculated	Calculated
	500		1050		
	550		1150		
	600		1250		
	650		1150		
	700		1300		
	750		1300		
	800		1450		
	850		1450		
	900		1650		

Calculation of L1, L2 and L3:

L1 = See table

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

$$L3 = \left(\frac{L1 - L2}{0,7071} \right) - (B \times 0,5)$$

Example:

A = 650, B = 315, C = 600

L1 = 600 mm

$$L2 = \frac{600}{2} - \frac{650 + 600}{4} = 300 - 312,5$$

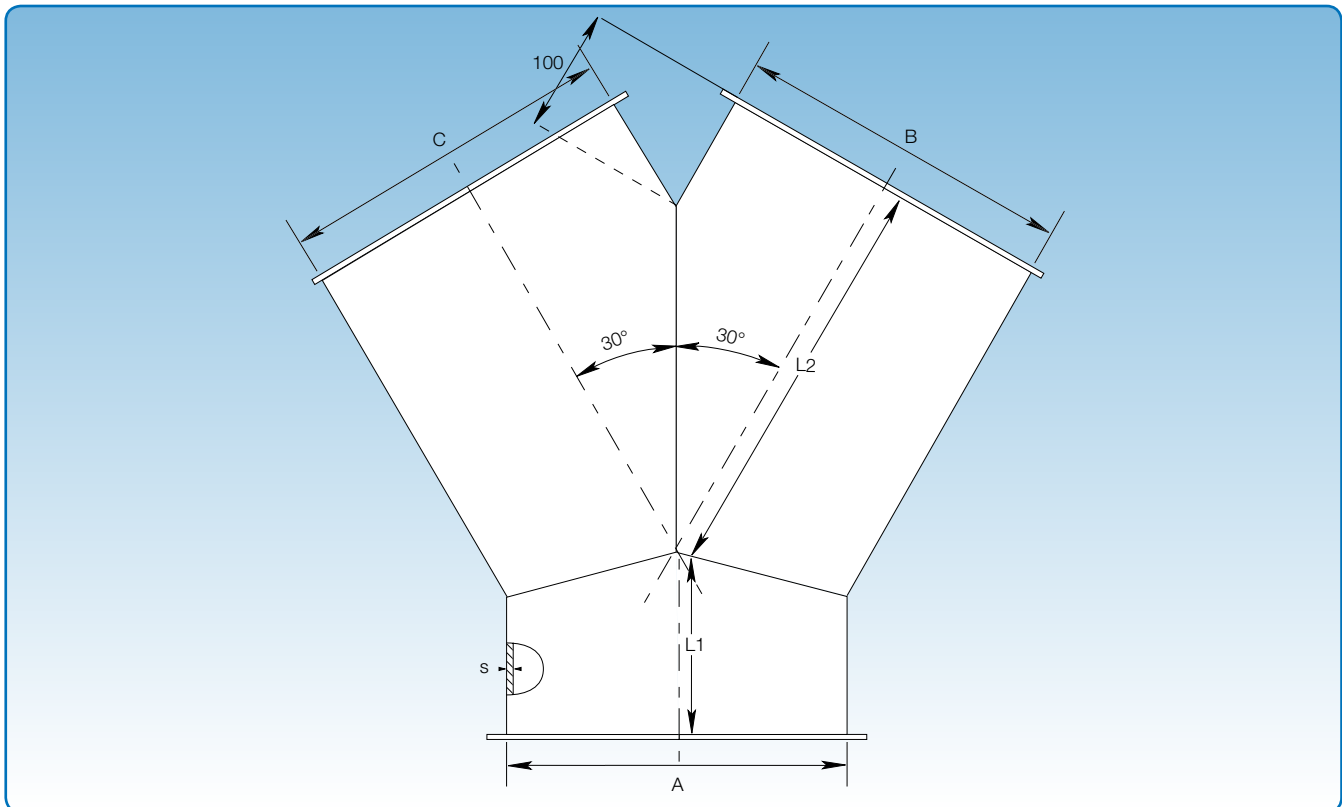
L2 = - 12,5 ~ - 13 mm

$$L3 = \frac{600 - 13}{0,7071} - (315 \times 0,5) = 866,92 - 157,5$$

L3 = 709,42 ~ 709 mm

30° trouser pieces, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 11/15
 Revised: 01.01.2004



Diameter A for 2 mm: $\phi 100 - \phi 1000$ mm.

Diameter A for 3 mm: $\phi 150 - \phi 1000$ mm.

JKF's trouser pieces are welded and made from 2,00 and 3,00 mm steel plate (s).

The trouser pieces are made as the straight trouser pieces ($A = B = C$).

Calculation of L1 and L2:

$$L1 = 0,5 \times A$$

$$L2 = 0,866 \times A + 100$$

Example:

$$A = B = C = 350$$

$$L1 = 0,5 \times 350 = 175$$

$$L1 = 175 \text{ mm}$$

$$L2 = (0,866 \times 350) + 100 = 403,1$$

$$L2 = 403 \text{ mm}$$

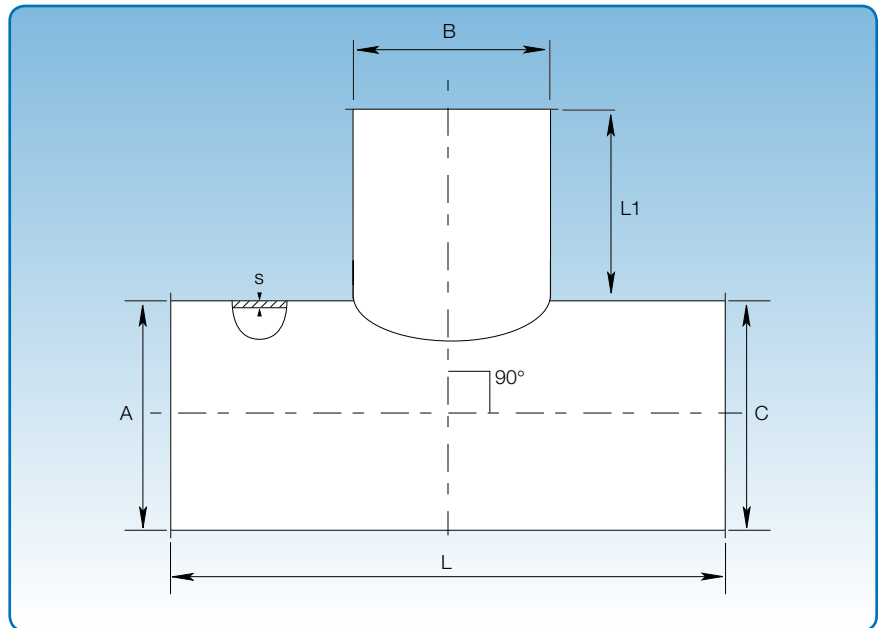
90° T-pieces, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 12/15
 Revised: 01.01.2004

Diameter for 2 mm: $\phi 80 - \phi 1000$ mm.
 Diameter for 3 mm: $\phi 150 - \phi 1000$ mm.

JKF's 90° T-pieces are welded and made from 2,00 and 3,00 mm steel plate (s).

The following applies to the galvanised T-pieces: $A = C = B$.



Dimensional specifications are given in the table below.

Dimensional specifications			
B mm	s mm	L mm	L1 mm
80	2,00	230	75
100	2,00	250	75
120	2,00	270	75
125	2,00	275	75
140	2,00	290	75
150	2,00 and 3,00	300	75
160	2,00 and 3,00	310	75
180	2,00 and 3,00	330	75
200	2,00 and 3,00	350	75
225	2,00 and 3,00	425	100
250	2,00 and 3,00	450	100
275	2,00 and 3,00	475	100
300	2,00 and 3,00	500	100
315	2,00 and 3,00	515	100
350	2,00 and 3,00	550	100
400	2,00 and 3,00	600	100
450	2,00 and 3,00	750	150
500	2,00 and 3,00	800	150
550	2,00 and 3,00	850	150
600	2,00 and 3,00	900	150
630	2,00 and 3,00	930	150
650	2,00 and 3,00	950	150
700	2,00 and 3,00	1100	200
750	2,00 and 3,00	1150	200
800	2,00 and 3,00	1200	200
850	2,00 and 3,00	1250	200
900	2,00 and 3,00	1300	200
950	2,00 and 3,00	1350	200
1000	2,00 and 3,00	1400	200

Tapers, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 13/15
 Revised: 01.01.2004

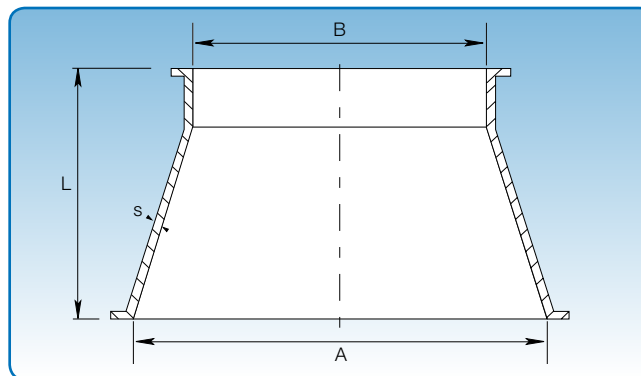
Diameter A for 2 mm: $\phi 100 - \phi 1000$ mm.

Diameter A for 3 mm: $\phi 160 - \phi 1000$ mm.

JKF's tapers are welded and made from 2,00 and 3,00 mm steel plate (s).

The tapers are made to order in larger dimensions. Please note that there is always a straight duct piece in connection with the dimension B.

A and B are combined according to your requirements, however the maximum diameter reduction from A to B is 100 mm. Specification of the ratio between the diameter (A and B) and the length (L) is given in the table below.



Dimensional specifications

A mm	B mm	s mm	L mm	Weight kg
100	80	2,00	70	0,35
120	100	2,00	75	0,45
125	100	2,00	75	0,45
140	100	2,00	125	0,85
150	100	2,00	125	0,60
150	125	2,00	75	0,55
160	100	2,00	150	1,00
160	140	2,00	100	0,80
180	100	2,00	150	1,10
180	150	2,00	100	0,90
200	100	2,00	200	2,90
200	160	2,00	125	1,20
225	125	2,00	200	1,85
225	180	2,00	150	1,60
250	150	2,00	200	2,20
250	200	2,00	150	1,80
275	180	2,00	200	2,28
275	200	2,00	200	2,41
300	200	2,00	200	2,75
300	225	2,00	200	2,65
315	225	2,00	200	2,75
315	250	2,00	200	3,00
350	250	2,00	200	3,30
350	300	2,00	150	2,60
400	300	2,00	200	3,90
400	315	2,00	200	2,20
450	350	2,00	200	4,50
500	400	2,00	200	5,05
550	450	2,00	200	5,60
600	500	2,00	200	6,10
650	550	2,00	200	6,70
700	600	2,00	200	7,40
750	650	2,00	200	8,15
800	700	2,00	200	8,95
850	750	2,00	200	9,85
900	800	2,00	200	10,85
950	850	2,00	200	11,95
1000	900	2,00	200	13,15
160	150	3,00	100	0,90
180	150	3,00	100	1,35
200	160	3,00	125	1,75
225	180	3,00	150	2,35
250	200	3,00	150	2,70

Tapers, 2 and 3 mm

Technical catalogue: Duct systems
Section: 02
Page: 14/15
Revised: 01.01.2004

Dimensional specifications				
A mm	B mm	s mm	L mm	Weight kg
275	200	3,00	200	3,61
300	225	3,00	200	4,00
315	250	3,00	200	4,35
350	300	3,00	150	3,90
400	315	3,00	200	3,35
450	350	3,00	200	6,70
500	400	3,00	200	7,55
550	450	3,00	200	8,40
600	500	3,00	200	9,00
650	550	3,00	200	9,85
700	600	3,00	200	10,80
750	650	3,00	200	11,85
800	700	3,00	200	13,05
850	750	3,00	200	14,35
900	800	3,00	200	15,75
950	850	3,00	200	17,35
1000	900	3,00	200	19,10

Transition pieces, 2 and 3 mm

Technical catalogue: Duct systems
 Section: 02
 Page: 15/15
 Revised: 01.01.2004

Diameter D for 2 mm: $\phi 120 - \phi 1000$ mm.
 Diameter D for 3 mm: $\phi 150 - \phi 1000$ mm.

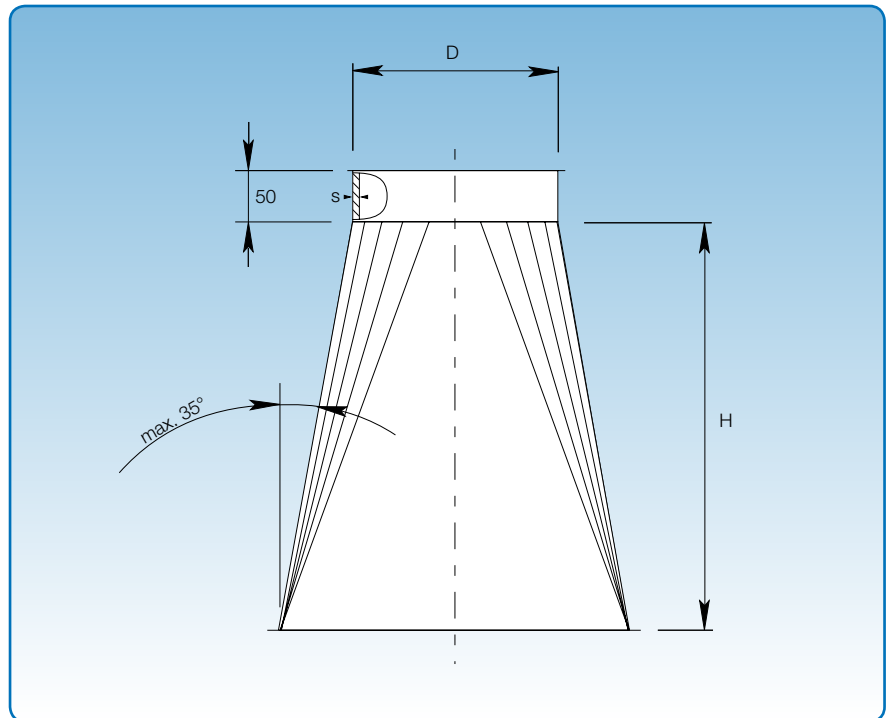
JKF's transition pieces are made from 2,00 and 3,00 mm steel plate (s).

The following formula applies to all transition pieces.

Calculation of the length H:

$$H = 250 + 0,5 \times (\text{maximum value of } LU - D) \text{ or } (BU - D).$$

The transition pieces are made to order in other dimensions. The transition pieces can also be made asymmetrical.



Example:

$$D = 350, LU = 400, BU = 600, EXL = 200, EXB = 300$$

$$H = 240 + (0,5 \times 250) = 240 + 125$$

$$H = 365 \text{ mm}$$

