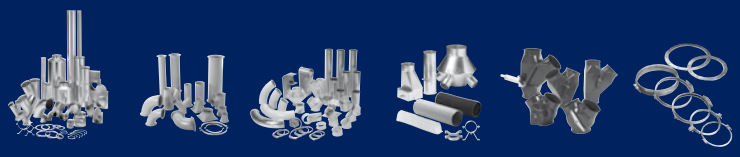
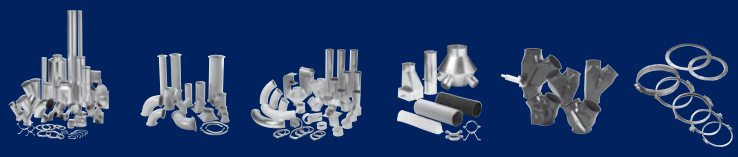
# Data sheet

## Ducts Systems



KONGSKILDE





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# Kongskilde Duct Systems



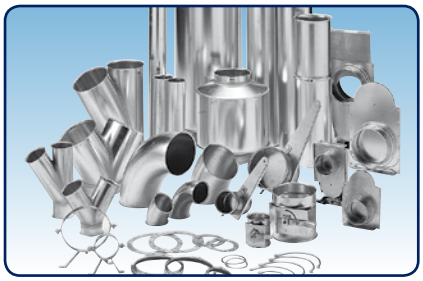
Kongskilde's programme includes galvanised duct systems and welded duct systems in 2 and 3 mm material thickness, and thus represent the basic element in extraction and transport of particles and air.
Kongskilde's duct systems have a circular cross section, with a wide range of ducts, bends, trouser-, branch-, end-, transition and taper pieces, throttle valves, diverters, jet- and rain caps etc. to ensure individual adaptation and a high degree of flexibility.
This catalogue covers Kongskilde's standard components for the following dimensions: ø80 – ø1000 mm.
Special customised components are available to order.

**Galvanised duct system**
The galvanised duct system includes all components necessary for a complete and flexible extraction solution and can be used for particle transport, welding extraction etc.

- laser welded ducts
- longitudinally lock formed ducts
- pressed bends
- tight sliding dampers
- branch- and trouser pieces
- throttle valves
- adapters

ø80 - ø400 mm ducts are laser welded. Other sizes are longitudinally lock formed ducts. Bends, branch pieces, shaped pieces etc are assembled with overlap and point-welded.
Ducts and shaped pieces are manufactured from hot dip galvanised steel sheet: Dogal 280, DX 51 D, DX 54 D or DX 56 D with material thickness from 0.75 mm – 1.25 mm.

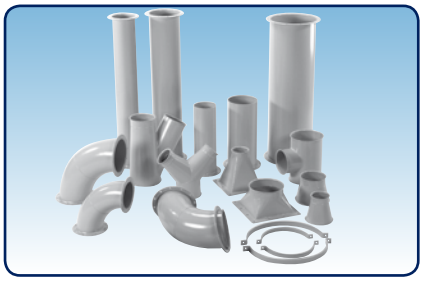
Surface treatment class is Z 275 - i.e. zinc coating is minimum 275 g/m$^2$ double sided.
Pull rings [f.b] are used as standard joint assembly for rapid assembly and separation on ø80 mm to ø800 mm ducts, and loose flanges [f.b.m.fl] are used for ø850 mm to ø1000 mm ducts.



Laser welded and longitudinally lock formed duct system, galvanised



Sliding dampers, throttle valves



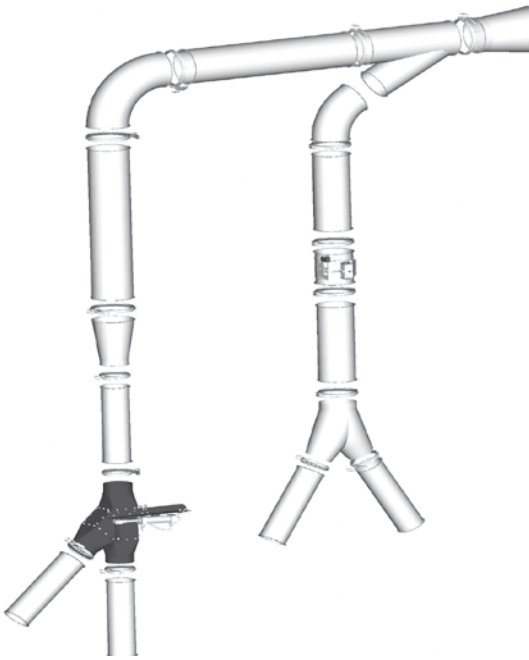
2 and 3 mm duct system

Diverters

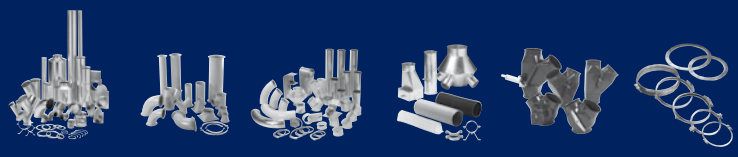
**2 and 3 mm duct system**
The 2 and 3 mm system includes all components necessary for a complete and flexible extraction solution and can be used for particle transport, welding extraction etc.

- laser welded ducts
- plasma welded ducts
- pressed bends
- tight sliding dampers
- branch- and trouser pieces
- throttle valves
- diverters – pressed and welded
- adapters

The heavy duty sheet thickness means that this system is ideal for applications using high pressure or highly abrasive particles.
ø80 - ø400 mm ducts are laser welded. Other sizes are plasma welded. Bends, diverters, branch- and trouser pieces, shaped pieces etc are fully welded.
Ducts and shaped pieces are made of DC 01 or DOMEX 240 sheet metal with a thickness of 2 – 3 mm.
Pull rings [f.b] are used as standard joint assembly for rapid assembly and separation on ø80 mm to ø600 mm ducts, and loose flanges [m.fl] are used for ø650 mm to ø1000 mm ducts.



The duct system can be supplied with no surface treatment, powder coated primed (RAL 7032), or powder coated with zinc primer and top coat paint. Standard colour is RAL 5010, but other colours and hot dip/electro-galvanised



# Kongskilde Duct Systems

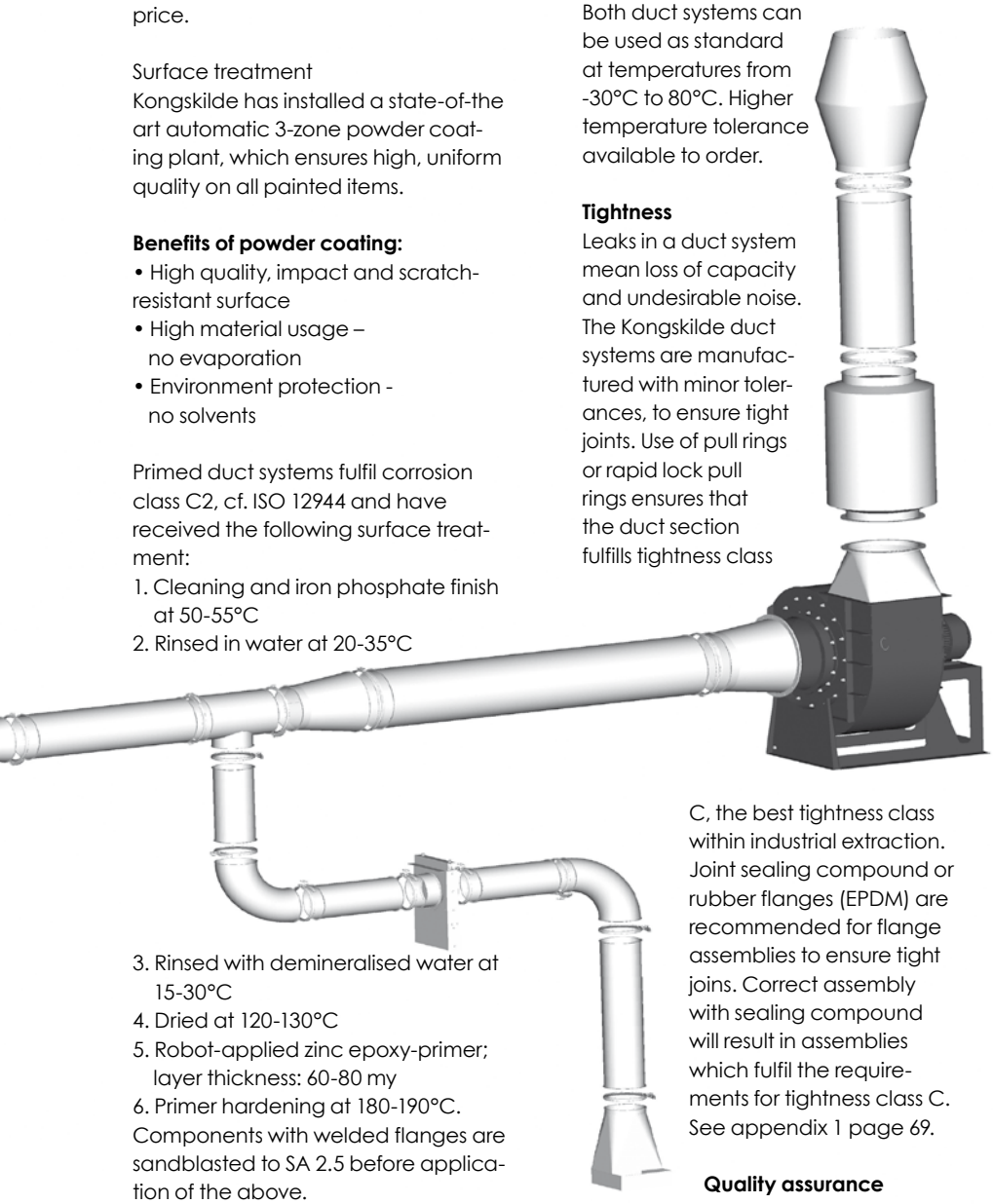


finishes are available at an additional price.

Surface treatment
Kongskilde has installed a state-of-the art automatic 3-zone powder coating plant, which ensures high, uniform quality on all painted items.

**Benefits of powder coating:**
- High quality, impact and scratch-resistant surface
- High material usage – no evaporation
- Environment protection - no solvents

Primed duct systems fulfil corrosion class C2, cf. ISO 12944 and have received the following surface treatment:
1. Cleaning and iron phosphate finish at 50-55°C
2. Rinsed in water at 20-35°C



3. Rinsed with demineralised water at 15-30°C
4. Dried at 120-130°C
5. Robot-applied zinc epoxy-primer; layer thickness: 60-80 my
6. Primer hardening at 180-190°C.

Components with welded flanges are sandblasted to SA 2.5 before application of the above.
Duct systems can also be supplied painted (standard colour RAL 5010), with the before mentioned surface treatment but with a layer thickness of 80-120 my. If a higher corrosion class is required, please specify when ordering. Kongskilde can supply products which fulfil up to corrosion class C4, cf. ISO 12944.

**Temperature range**
Both duct systems can be used as standard at temperatures from -30°C to 80°C. Higher temperature tolerance available to order.

**Tightness**
Leaks in a duct system mean loss of capacity and undesirable noise. The Kongskilde duct systems are manufactured with minor tolerances, to ensure tight joints. Use of pull rings or rapid lock pull rings ensures that the duct section fulfills tightness class C, the best tightness class within industrial extraction. Joint sealing compound or rubber flanges (EPDM) are recommended for flange assemblies to ensure tight joins. Correct assembly with sealing compound will result in assemblies which fulfil the requirements for tightness class C. See appendix 1 page 69.

**Quality assurance**
Kongskilde's quality assurance system is certified according to DS/ISO9001 (DS/EN29001).



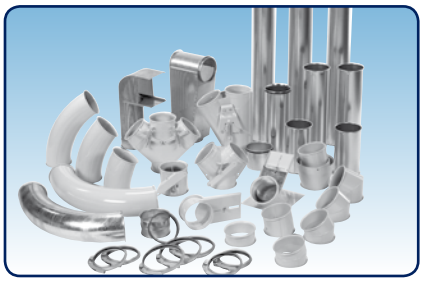
Jet- and rain caps



Pull rings, rapid lock pull rings, flanges



Accessories: Sanding tables, clip bands etc.



JK-6" duct system

# Assembly methods, galvanised duct systems



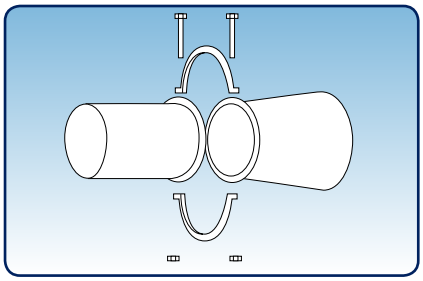
**Assembly methods**
The high, uniform quality of Kongskilde's duct systems along with efficient assembly and sealing ensures quick and easy assembly, with the ability to perform subsequent modifications.

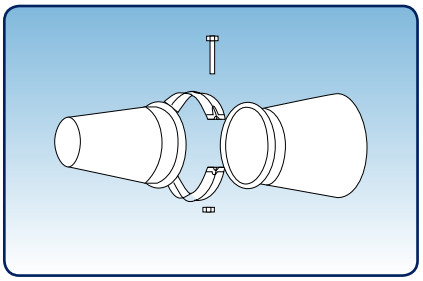
The components for the galvanised duct system are made for a range of different assembly methods, which are also suitable
for other systems.
Galvanised duct systems can be supplied to order for assembly with:
- pull rings [f.b]: ø80 – ø500 mm
- wide pull rings [f.bb]: ø150 – ø750 mm
- rapid lock pull rings with handle [f.lyn]: ø80– ø400 mm
- rapid lock pull rings with bolt [f.lyn]: ø450 – ø600 mm
- loose flanges [f.b.m.fl]: ø80 – ø1000 mm
- hoses [f.sl]: ø80 – ø400 mm
- smooth [gl]: ø80 – ø1000 mm

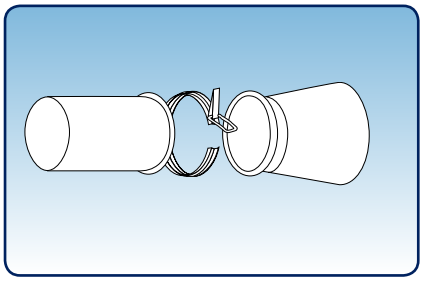
The assembly method depends on duct dimensions, strength, tightness, noise and installation requirements.

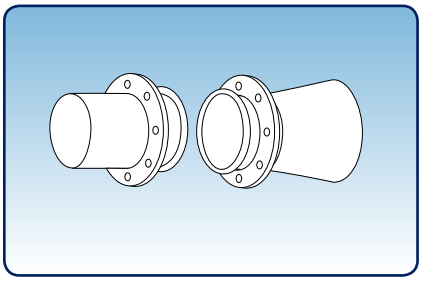
Tightness can be increased when using ø80 - ø300 mm pull rings by fitting a U-shaped rubber gasket ring (EPDM) on the f.b. edge. Rapid lock pull rings have a fixed liner (EPDM), which ensures an airtight join.

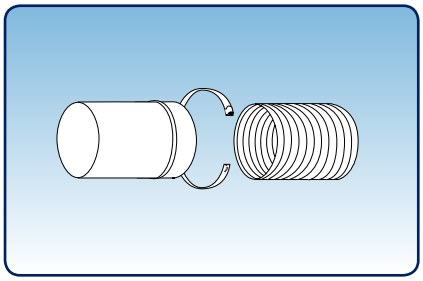
Assembly method must be stated when placing order. Assembly methods are stated under the illustrations.

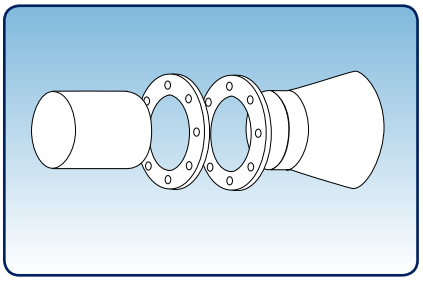

For pull rings [f.b]

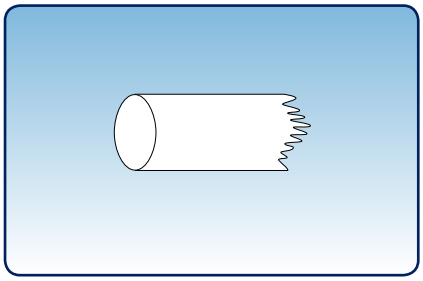

For wide pull rings [f.bb]

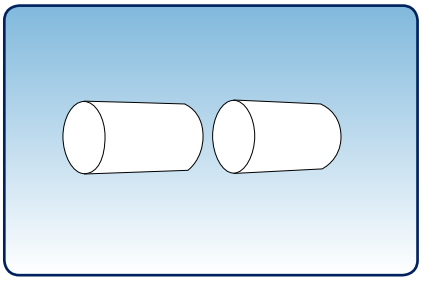

For rapid lock pull rings [f.lyn]

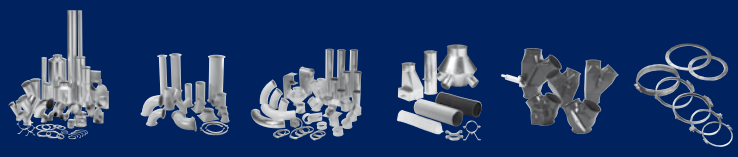

With loose flange fitted [f.b.m.fl]


For hoses [f.sl]


For flanges [f.fl]


Smooth [gl]


Conical [k]



# Assembly methods, 2 and 3 mm duct systems



**Assembly methods**
The high, uniform quality of Kongskilde's duct systems along with efficient assembly and sealing ensures quick and easy assembly, with the ability to perform subsequent modifications.

The components for 2 and 3 mm duct system are made for a range of different assembly methods, which are also suitable for other systems. 2-3 mm duct systems can be supplied to order for assembly with:

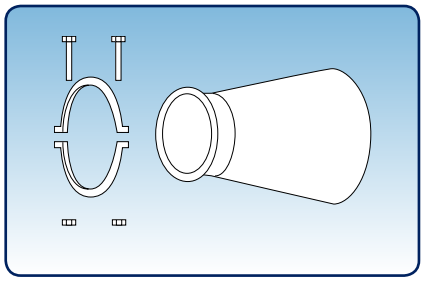
- 2 and 3 mm pull rings [f.b]: ø80 – ø600 mm
- rapid lock pull rings with handle [f.lyn]: ø80– ø400 mm
- rapid lock pull rings with bolt [f.lyn]: ø450 – ø600 mm
- loose flanges [f.b.m.fl]: ø80 – ø600 mm
- welded flanges [m.fl]: ø80 – ø1000 mm
- direct flanges [d.fl]: ø300 – ø1000 mm

The assembly method depends on duct dimensions, strength, tightness, noise and installation requirements.

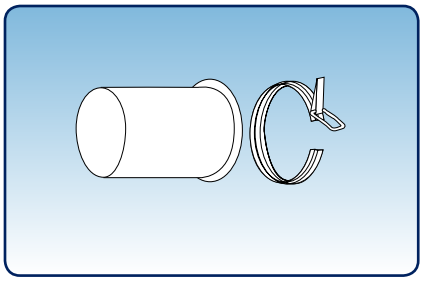
Tightness can be increased when using ø80 - ø300 mm pull rings by fitting a U-shaped rubber gasket ring (EPDM) on the f.b. edge. ø315 – ø600 mm pull rings can be supplied with integral seal at an additional price. Rapid lock pull rings have a fixed liner (EPDM), which ensures an airtight join.

Ducts with rapid lock pull rings, loose flanges or direct flanges assembly methods are fitted with a straight duct-shaped end piece with a length of min. 50 mm.

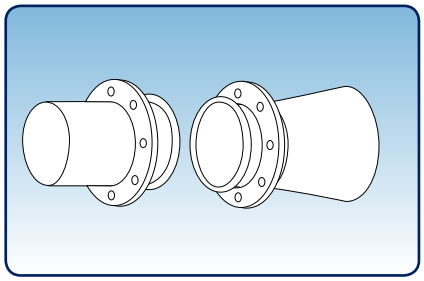
Assembly method must be stated when placing order. Assembly methods are stated under the illustrations.



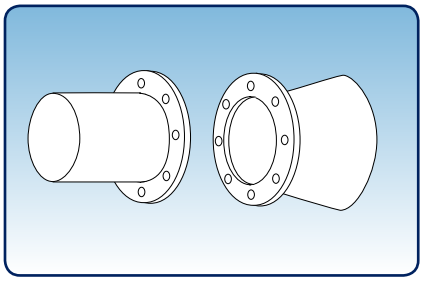
For pull rings [f.b]



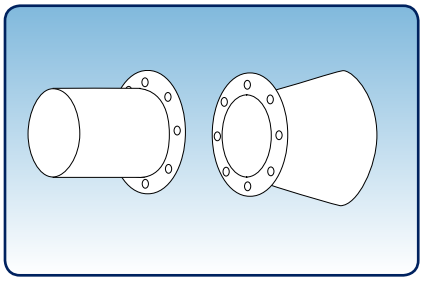
For rapid lock pull rings [f.lyn]



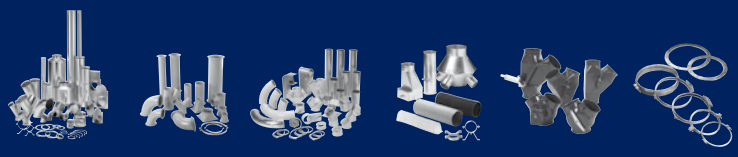
With loose flange fitted [f.b.m.fl]
To max. ø600 mm diameter in 2.00 mm



With welded flanges [m.fl]



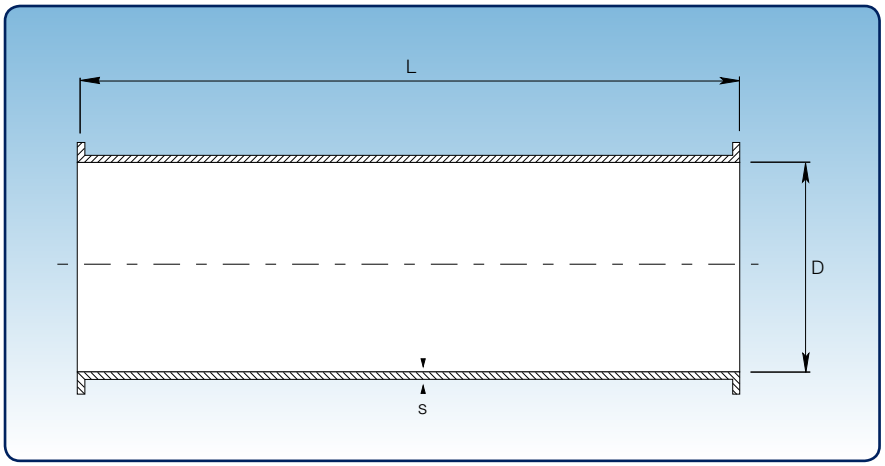
With direct flanges [d.fl]



# Laser welded and longitudinally lock formed ducts, galvanised



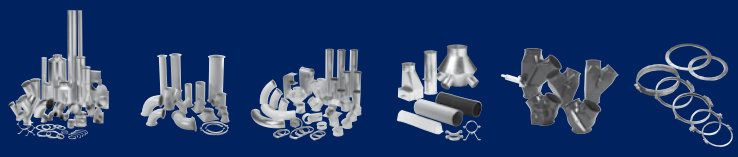
Diameter: ø80 – ø1000 mm.
Laser welded and longitudinally lock formed ducts are galvanised and made from 0.75 mm, 0.90 mm or 1.00 mm sheet metal (s). Ducts are also available in 1.25 mm sheet metal.
Also available in other qualities and dimensions to order.
Ducts of up to ø400 mm diameter are supplied as standard laser welded in lengths of 0.5 m, 1.0 m and 2.0 m. Other sizes from ø450 mm diameter are supplied as longitudinally lock formed ducts in standard lengths of 0.5 m, 1.0 m and 2.0 m.




Dimensional specifications are given in the table below.

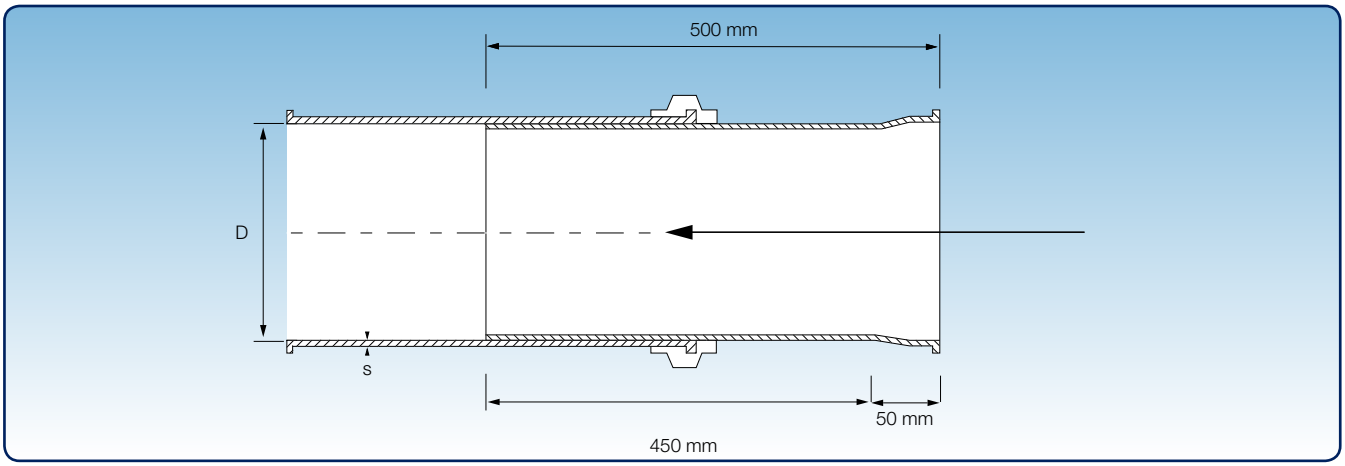
| Dimensions | | | | | | | |
|---|---|---|---|---|---|---|---|
| D mm | s mm | Item no. L = 0.5 m | Weight at L = 0.5 m kg | Item no. L = 1.0 m | Weight at L = 1.0 m kg | Item no. L = 2.0 m | Weight at L = 2.0 m kg |
| **Laser welded ducts** | | | | | | | |
| 80 | 0,75 | 92510701091 | 0,80 | 92510701191 | 1,60 | 92510701291 | 2,90 |
| 100 | 0,75 | 92510711091 | 1,00 | 92510711191 | 2,00 | 92510711291 | 3,70 |
| 120 | 0,75 | 92510721091 | 1,20 | 92510721191 | 2,40 | 92510721291 | 4,40 |
| 125 | 0,75 | 92510731091 | 1,25 | 92510731191 | 2,50 | 92510731291 | 4,60 |
| 140 | 0,75 | 92510741091 | 1,40 | 92510741191 | 2,80 | 92510741291 | 5,10 |
| 150 | 0,75 | 92510751091 | 1,50 | 92510751191 | 3,00 | 92510751291 | 5,50 |
| 160 | 0,75 | 92510761091 | 1,60 | 92510761191 | 3,20 | 92510761291 | 5,80 |
| 180 | 0,75 | 92510771091 | 1,75 | 92510771191 | 3,50 | 92510771291 | 6,70 |
| 200 | 0,75 | 92510781091 | 2,00 | 92510781191 | 4,00 | 92510781291 | 7,20 |
| 225 | 0,75 | 92510791091 | 2,25 | 92510791191 | 4,50 | 92510791291 | 8,20 |
| 250 | 0,75 | 92510801091 | 2,50 | 92510801191 | 5,00 | 92510801291 | 9,00 |
| 275 | 0,75 | 925108010199 | 2,75 | 925108011199 | 5,50 | 925108012199 | 11,00 |
| 300 | 0,75 | 92510811091 | 2,85 | 92510811191 | 5,70 | 92510811291 | 11,00 |
| 315 | 0,75 | 92510821091 | 3,00 | 92510821191 | 6,00 | 92510821291 | 12,00 |
| 350 | 0,75 | 92510831091 | 3,25 | 92510831191 | 6,50 | 92510831291 | 13,00 |
| 375 | 0,75 | 92510839091 | 3,25 | 92510839191 | 6,50 | 92510839291 | 13,00 |
| 400 | 0,90 | 92510841091 | 4,50 | 92510841191 | 9,00 | 92510841291 | 18,00 |
| **Longitudinally lock formed ducts** | | | | | | | |
| 450 | 0,90 | 9251085101 | 5,15 | 9251085111 | 10,30 | 9251085121 | 20,60 |
| 475 | 0,90 | 9251085901 | 5,43 | 9251085911 | 10,85 | 9251085921 | 21,70 |
| 500 | 0,90 | 9251086101 | 5,70 | 9251086111 | 11,40 | 9251086121 | 22,80 |
| 550 | 0,90 | 9251087101 | 6,25 | 9251087111 | 12,50 | 9251087121 | 25,00 |
| 600 | 0,90 | 9251088101 | 6,80 | 9251088111 | 13,60 | 9251088121 | 27,20 |
| 630 | 0,90 | 9251089101 | 7,20 | 9251089111 | 14,40 | 9251089121 | 28,80 |
| 650 | 0,90 | 9251090101 | 7,50 | 9251090111 | 15,00 | 9251090121 | 30,00 |
| 700 | 0,90 | 9251091101 | 8,00 | 9251091111 | 16,00 | 9251091121 | 32,00 |
| 750 | 0,90 | 9251092101 | 8,50 | 9251092111 | 17,00 | 9251092121 | 34,00 |
| 800 | 1,00 | 9251093101 | 10,00 | 9251093111 | 20,00 | 9251093121 | 40,00 |
| 850 | 1,00 | 9251094105 | 22,20 | 9251094115 | 32,95 | 9251094125 | 54,45 |
| 900 | 1,00 | 9251095105 | 23,60 | 9251095115 | 35,10 | 9251095125 | 48,10 |
| 950 | 1,00 | 9251096105 | 24,99 | 9251096115 | 37,24 | 9251096125 | 61,74 |
| 1000 | 1,00 | 9251097105 | 26,38 | 9251097115 | 39,38 | 9251097125 | 65,38 |

Item numbers designated with D ≤ 800 mm are for ducts assembled with pull rings [f.b]. Item numbers designated D ≥ 850 mm are for ducts with loose flanges [f.b.m.fl].
Ducts are also available for other assembly methods. See p. 6 for assembly methods.



# Telescopic ducts, galvanised






Dimensional specifications are given in the table below.

Diameter: ø80 - ø500 mm.

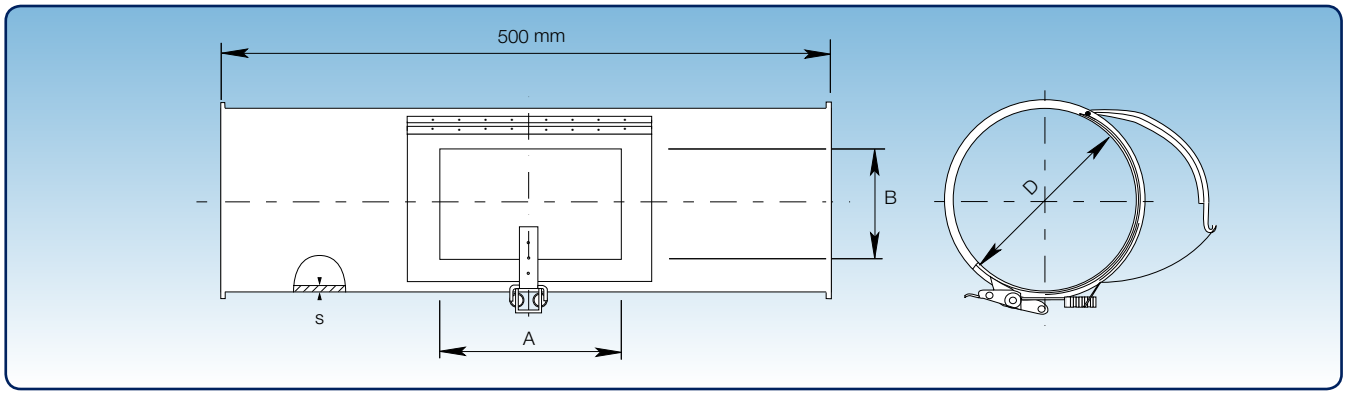
Telescopic ducts are made from 0.75 mm and 0.90 mm galvanised sheet metal and supplied with rapid lock pull rings, incl. rubber seal.

| | Dimensions | | |
|---|---|---|---|
| Item no. | D mm | s mm | Weight kg |
| 9251099389 | 80 | 0,75 | 0,99 |
| 9251099394 | 100 | 0,75 | 1,20 |
| 9251099401 | 120 | 0,75 | 1,39 |
| 9251099411 | 125 | 0,75 | 1,45 |
| 9251099421 | 140 | 0,75 | 1,60 |
| 9251099431 | 150 | 0,75 | 1,70 |
| 9251099441 | 160 | 0,75 | 1,80 |
| 9251099451 | 180 | 0,75 | 2,07 |
| 9251099461 | 200 | 0,75 | 2,29 |
| 9251099471 | 225 | 0,75 | 2,53 |
| 9251099481 | 250 | 0,75 | 2,78 |
| 9251099491 | 275 | 0,75 | 3,07 |
| 9251099501 | 300 | 0,75 | 3,37 |
| 9251099511 | 315 | 0,75 | 3,58 |
| 9251099521 | 350 | 0,75 | 3,95 |
| 9251099531 | 400 | 0,90 | 5,00 |
| 9251099541 | 450 | 0,90 | 5,70 |
| 9251099551 | 500 | 0,90 | 6,30 |

The item numbers stated are for telescopic ducts assembled using pull rings [f.b].
Telescopic ducts are also available for other assembly methods. See p. 6 for assembly methods.

# Ducts with access door, galvanised





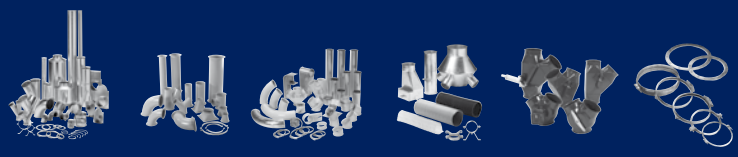

Dimensional specifications are given in the table below.

Diameter: ø80 – ø1000 mm.

Access doors are made of 1.25 mm galvanised sheet metal, such that the inside is smooth and has a close fit.

| | Dimensions | | | |
|---|---|---|---|---|
| Item no. | D mm | s mm | B × A mm | Weight kg |
| 9254670371 | 80 | 0,90 | 80 x 150 | 0,80 |
| 9254671371 | 100 | 0,90 | 100 x 150 | 1,00 |
| 9254672371 | 120 | 0,90 | 100 x 150 | 1,20 |
| 9254673371 | 125 | 0,90 | 100 x 150 | 1,25 |
| 9254674371 | 140 | 0,90 | 100 x 150 | 1,40 |
| 9254675371 | 150 | 0,90 | 100 x 150 | 1,50 |
| 9254676371 | 160 | 0,90 | 100 x 150 | 1,60 |
| 9254677371 | 180 | 0,90 | 100 x 150 | 1,75 |
| 9254678371 | 200 | 0,90 | 100 x 150 | 2,00 |
| 9254679371 | 225 | 0,90 | 100 x 150 | 2,25 |
| 9254680371 | 250 | 0,90 | 100 x 150 | 2,50 |
| 9254680379 | 275 | 0,90 | 100 x 150 | 2,65 |
| 9254681371 | 300 | 0,90 | 100 x 150 | 2,85 |
| 9254682371 | 315 | 0,90 | 100 x 150 | 3,00 |
| 9254683371 | 350 | 0,90 | 150 x 200 | 3,25 |
| 9254684371 | 400 | 0,90 | 150 x 200 | 4,50 |
| 9254685371 | 450 | 0,90 | 150 x 200 | 5,15 |
| 9254686371 | 500 | 0,90 | 150 x 200 | 5,70 |
| 9254687371 | 550 | 0,90 | 150 x 200 | 6,25 |
| 9254688371 | 600 | 0,90 | 150 x 200 | 6,80 |
| 9254689371 | 630 | 0,90 | 150 x 200 | 7,20 |
| 9254690371 | 650 | 0,90 | 150 x 200 | 7,50 |
| 9254691371 | 700 | 0,90 | 150 x 200 | 8,00 |
| 9254692371 | 750 | 0,90 | 150 x 200 | 8,50 |
| 9254693371 | 800 | 1,00 | 150 x 200 | 10,00 |
| 9254694371 | 850 | 1,00 | 150 x 200 | 10,75 |
| 9254695371 | 900 | 1,00 | 150 x 200 | 11,50 |
| 9254696371 | 950 | 1,00 | 150 x 200 | 12,25 |
| 9254697371 | 1000 | 1,00 | 150 x 200 | 13,00 |

Item numbers designated with D ≤ 800 mm are for ducts assembled with pull rings [f.b]. Item numbers designated D ≥ 850 mm are for ducts with loose flanges [f.b.m.fl].
Ducts with access doors are also available for other assembly methods. See p. 6 for assembly methods.

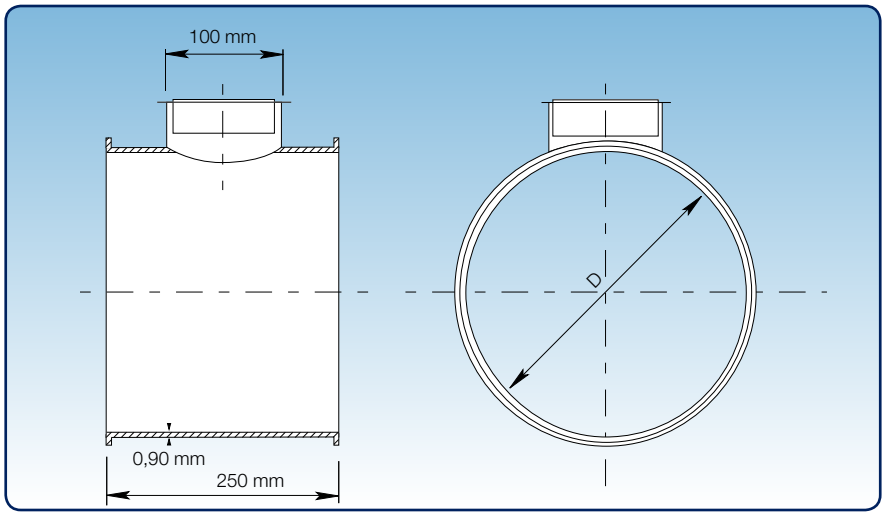


# Ducts with cleaning spigot, galvanised



Diameter: ø100 - ø400 mm.

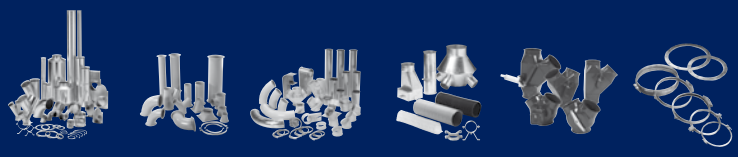
The PVC cover is easy to fit and remove. All cleaning spigots have a ø100 mm opening.




Dimensional specifications are given in the table below.

| Dimensions | | |
|---|---|---|
| Item no. | D mm | Weight kg |
| 9254671101 | 100 | 0,50 |
| 9254671102 | 120 | 0,60 |
| 9254671103 | 125 | 0,65 |
| 9254671104 | 140 | 0,70 |
| 9254671105 | 150 | 0,75 |
| 9254675101 | 160 | 0,80 |
| 9254675102 | 180 | 0,85 |
| 9254675103 | 200 | 1,00 |
| 9254675104 | 225 | 1,15 |
| 9254675105 | 250 | 1,25 |
| 9254675106 | 275 | 1,35 |
| 9254680101 | 300 | 1,45 |
| 9254680102 | 315 | 1,50 |
| 9254680103 | 350 | 1,65 |
| 9254680104 | 400 | 2,25 |

The item numbers stated are for ducts with cleaning spigots assembled using pull rings [f.b].
Ducts with cleaning spigots are also available for other assembly methods. See p. 6 for assembly methods.

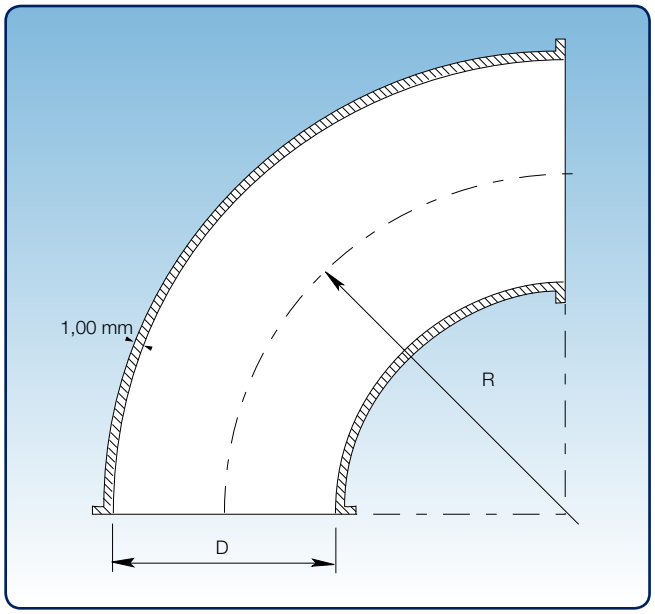


# Pressed bends, galvanised



Diameter: ø80 - ø400 mm.

Galvanised bends are made of 1.00 mm sheet metal.

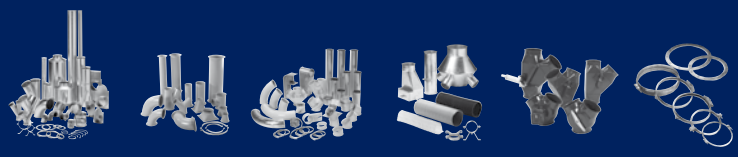



Dimensional specifications are given in the table below.
Diameter = (D). R = 1.5 x D for all dimensions.

**Dimensions**

| | 90° | | 60° | | 45° | | 30° | | 15° | | 7.5° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D mm | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg |
| 80 | 9251170192 | 0,44 | 9251170162 | 0,24 | 9251170142 | 0,20 | 9251170132 | 0,12 | 9251170112 | 0,10 | 9251170102 | 0,10 |
| 100 | 9251171192 | 0,62 | 9251171162 | 0,40 | 9251171142 | 0,30 | 9251171132 | 0,20 | 9251171112 | 0,14 | 9251171102 | 0,13 |
| 120 | 9251172192 | 0,90 | 9251172162 | 0,60 | 9251172142 | 0,40 | 9251172132 | 0,30 | 9251172112 | 0,18 | 9251172102 | 0,16 |
| 125 | 9251173192 | 0,90 | 9251173162 | 0,65 | 9251173142 | 0,45 | 9251173132 | 0,32 | 9251173112 | 0,18 | 9251173102 | 0,18 |
| 140 | 9251174192 | 1,10 | 9251174162 | 0,80 | 9251174142 | 0,55 | 9251174132 | 0,40 | 9251174112 | 0,24 | 9251174102 | 0,20 |
| 150 | 9251175192 | 1,50 | 9251175162 | 0,90 | 9251175142 | 0,70 | 9251175132 | 0,50 | 9251175112 | 0,25 | 9251175102 | 0,20 |
| 160 | 9251176192 | 1,70 | 9251176162 | 1,10 | 9251176142 | 0,80 | 9251176132 | 0,50 | 9251176112 | 0,30 | 9251176102 | 0,29 |
| 180 | 9251177192 | 2,00 | 9251177162 | 1,30 | 9251177142 | 1,00 | 9251177132 | 0,70 | 9251177112 | 0,40 | 9251177102 | 0,30 |
| 200 | 9251178192 | 2,50 | 9251178162 | 1,85 | 9251178142 | 1,25 | 9251178132 | 1,00 | 9251178112 | 0,50 | 9251178102 | 0,35 |
| 225 | 9251179192 | 3,00 | 9251179162 | 2,00 | 9251179142 | 1,60 | 9251179132 | 1,20 | 9251179112 | 0,60 | 9251179102 | 0,37 |
| 250 | 9251180192 | 4,00 | 9251180162 | 3,00 | 9251180142 | 2,00 | 9251180132 | 1,50 | 9251180112 | 0,75 | 9251180102 | 0,50 |
| 275 | 92511801929 | 4,80 | 92511801629 | 3,60 | 92511801429 | 2,40 | 92511801329 | 1,80 | 92511801129 | 0,80 | 92511801029 | 0,55 |
| 300 | 9251181192 | 5,90 | 9251181162 | 3,90 | 9251181142 | 2,90 | 9251181132 | 2,00 | 9251181112 | 0,90 | 9251181102 | 0,60 |
| 315 | 9251182192 | 5,90 | 9251182162 | 3,80 | 9251182142 | 2,95 | 9251182132 | 2,00 | 9251182112 | 1,12 | 9251182102 | 0,55 |
| 350 | 9251183192 | 7,30 | 9251183162 | 4,80 | 9251183142 | 3,70 | 9251183132 | 2,55 | 9251183112 | 1,30 | 9251183102 | 1,00 |
| 400 | 9251184192 | 10,20 | 9251184162 | 6,70 | 9251184142 | 5,10 | 9251184132 | 3,60 | 9251184112 | 1,60 | 9251184102 | 1,20 |

The item numbers stated are for bends assembled using pull rings [f.b].
Bends are also available for other assembly methods. See p. 6 for assembly methods.



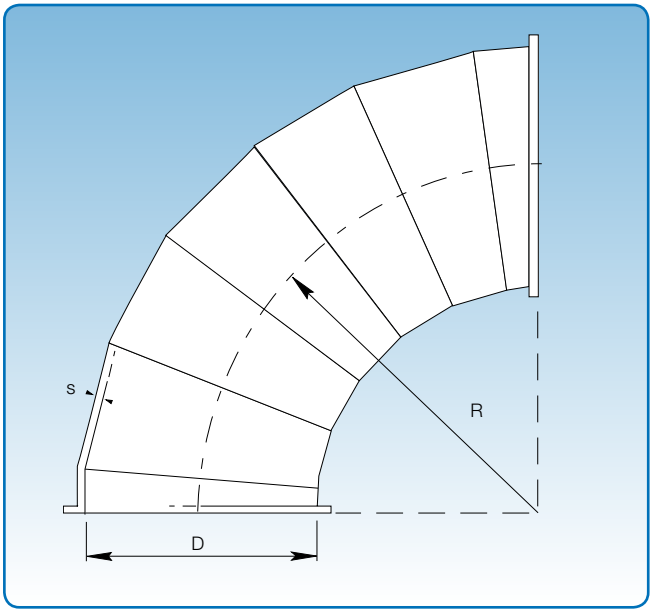
# Segment bends, galvanised



Diameter: ø450 - ø1000 mm.

Galvanised segment bends are made from 0.90 mm and 1.00 mm sheet metal (s).

They are available in other radii and dimensions to order.




Dimensional specifications are given in the table below.
R = 1.5 x D for all dimensions.

**Dimensions**

| | | 90° | | 60° | | 45° | | 30° | | 15° | | 7.5° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D mm | s mm | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg |
| 450 | 0,90 | 9251185792 | 12,00 | 9251185762 | 9,00 | 9251185742 | 6,00 | 9251185732 | 4,50 | 9251185712 | 2,25 | 9251185702 | 1,10 |
| 500 | 0,90 | 9251186792 | 15,00 | 9251186762 | 11,20 | 9251186742 | 7,50 | 9251186732 | 5,60 | 9251186712 | 2,80 | 9251186702 | 1,40 |
| 550 | 0,90 | 9251187792 | 18,00 | 9251187762 | 13,50 | 9251187742 | 9,00 | 9251187732 | 6,80 | 9251187712 | 3,40 | 9251187702 | 1,70 |
| 600 | 0,90 | 9251188792 | 21,50 | 9251188762 | 16,10 | 9251188742 | 10,75 | 9251188732 | 8,05 | 9251188712 | 4,00 | 9251188702 | 2,00 |
| 630 | 0,90 | 9251189792 | 22,40 | 9251189762 | 16,80 | 9251189742 | 11,20 | 9251189732 | 8,40 | 9251189712 | 4,20 | 9251189702 | 2,10 |
| 650 | 0,90 | 9251190792 | 25,00 | 9251190762 | 18,80 | 9251190742 | 12,50 | 9251190732 | 9,40 | 9251190712 | 4,70 | 9251190702 | 2,35 |
| 700 | 0,90 | 9251191792 | 29,00 | 9251191762 | 21,80 | 9251191742 | 14,50 | 9251191732 | 10,90 | 9251191712 | 5,40 | 9251191702 | 2,70 |
| 750 | 0,90 | 9251192792 | 33,00 | 9251192762 | 24,80 | 9251192742 | 16,50 | 9251192732 | 12,40 | 9251192712 | 6,20 | 9251192702 | 3,10 |
| 800 | 1,00 | 9251193792 | 37,50 | 9251193762 | 28,10 | 9251193742 | 18,75 | 9251193732 | 14,05 | 9251193712 | 7,00 | 9251193702 | 3,50 |
| 850 | 1,00 | 9251194792 | 42,50 | 9251194762 | 32,00 | 9251194742 | 21,25 | 9251194732 | 16,00 | 9251194712 | 8,00 | 9251194702 | 4,00 |
| 900 | 1,00 | 9251195792 | 48,00 | 9251195762 | 36,00 | 9251195742 | 24,00 | 9251195732 | 18,00 | 9251195712 | 9,00 | 9251195702 | 4,50 |
| 950 | 1,00 | 9251196792 | 53,00 | 9251196762 | 39,80 | 9251196742 | 26,50 | 9251196732 | 20,00 | 9251196712 | 10,00 | 9251196702 | 5,00 |
| 1000 | 1,00 | 9251197792 | 59,00 | 9251197762 | 44,00 | 9251197742 | 29,50 | 9251197732 | 22,00 | 9251197712 | 11,00 | 9251197702 | 5,50 |

Item numbers designated D ≤ 800 mm are for segment bends assembled using pull rings [f.b]. Item numbers designated D ≥ 850 mm are for ducts with loose flanges [f.b.m.fl].
Segment bends are also available for other assembly methods. See p. 6 for assembly methods.

# 30° straight branch pieces, galvanised



Diameter: ø80 – ø1000 mm.

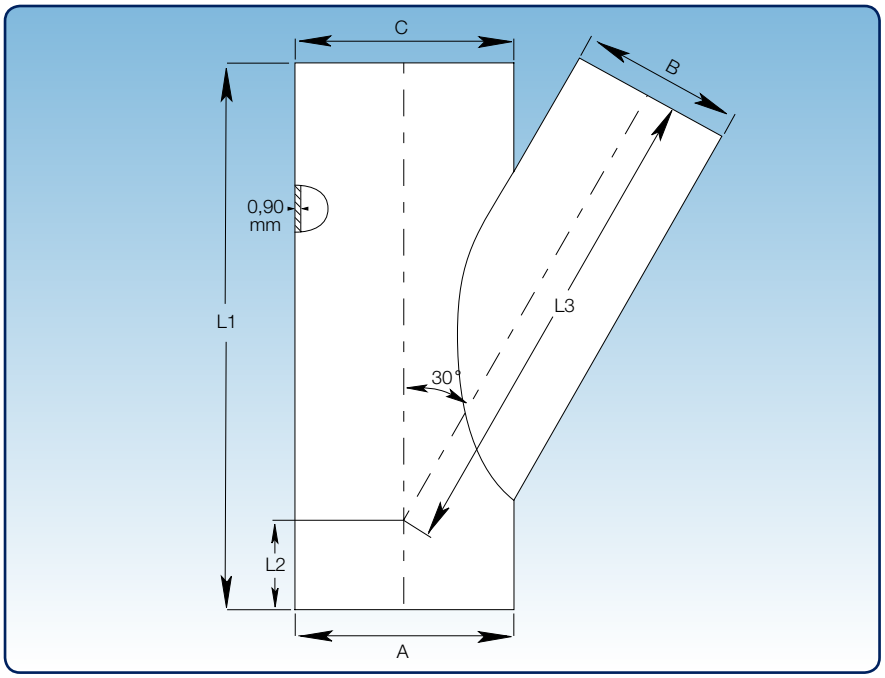
Galvanised branch pieces are made of 0.90 mm sheet metal.

When assembled with loose flanges, [f.b.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 ≥ B. A = C must be max. 1000 mm.

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.




**Calculating L2 and L3:**

L1 = see table

$$L2 = \frac{1}{2} \times \left(L1 - \frac{A}{tg\square}\right)$$

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

**Example:**

A = 650, B = 400, C = 650

L1 = 1050 mm

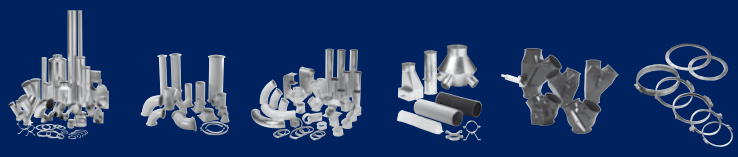
$$L2 = 0,5 \times \left(1050 - \frac{650}{tg\ 29,7}\right) = 0,5 \times (1050 - 1139,57)$$

L2 = - 44,79 p - 45 mm

$$L3 = \frac{1050 + 45}{\cos 29,7} - \left(\frac{400}{2} \times tg\ 29,7\right) = 1260,60 - 114,08$$

L3 = 1146,52 p 1147 mm

| Dimensions | | | | | |
|---|---|---|---|---|---|
| A = C mm | B mm | L1 mm | L2 mm | L3 mm | □ |
| Select (80 - 1000) | 80 | 350 | Calculate | Calculate | 28,0 |
| | 100 | 350 | | | 28,8 |
| | 120 | 350 | | | 28,8 |
| | 125 | 400 | | | 29,0 |
| | 140 | 450 | | | 29,1 |
| | 150 | 450 | | | 29,2 |
| | 160 | 450 | | | 29,2 |
| | 180 | 550 | | | 29,3 |
| | 200 | 550 | | | 29,3 |
| | 225 | 600 | | | 29,4 |
| | 250 | 750 | | | 29,5 |
| | 275 | 750 | | | 29,6 |
| | 300 | 750 | | | 29,6 |
| | 315 | 850 | | | 29,6 |
| | 350 | 950 | | | 29,6 |
| | 400 | 1050 | | | 29,7 |
| | 450 | 1250 | | | 29,7 |
| | 500 | 1250 | | | 29,7 |
| | 550 | 1450 | | | 29,8 |
| | 600 | 1450 | | | 29,8 |
| | 630 | 1650 | | | 29,8 |
| | 650 | 1650 | | | 29,8 |
| | 700 | 1650 | | | 29,8 |
| | 750 | 1850 | | | 29,9 |
| | 800 | 1850 | | | 29,9 |
| | 850 | 2050 | | | 29,9 |
| | 900 | 2050 | | | 29,9 |



# 45° straight branch pieces, galvanised



Diameter: ø80 – ø1000 mm.

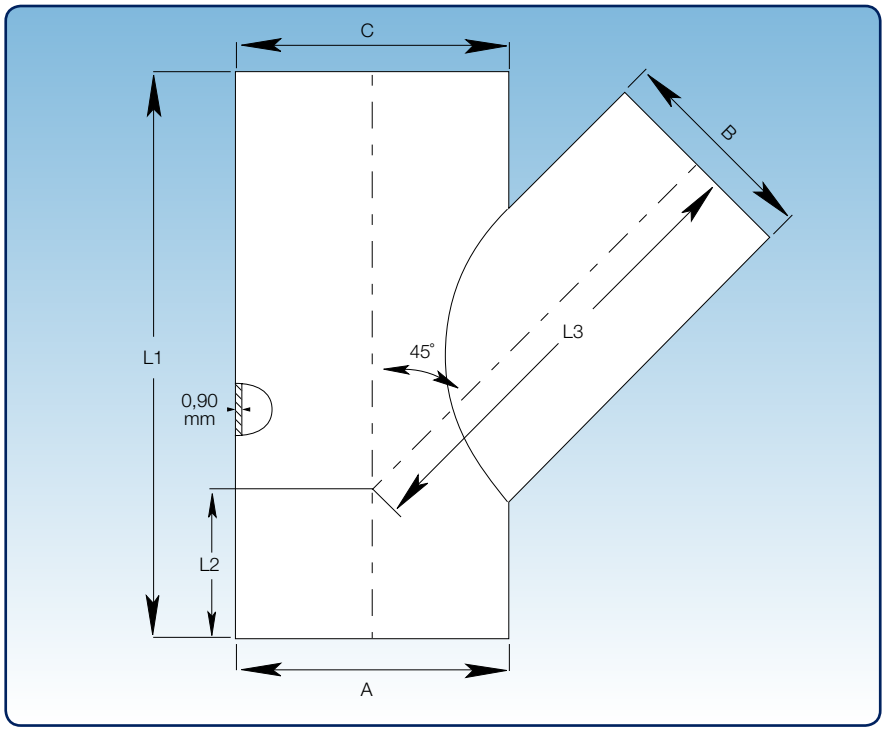
Galvanised branch pieces are made of 0.90 mm sheet metal.

When supplied with loose flanges, [f.b.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 ≥ B. A = C must be max. 1000 mm.

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.




**Calculating L2 and L3:**

L1 = see table

$$L2 = \frac{1}{2} \times \left(L1 - \frac{A}{tg\square}\right)$$

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

**Example:**

A = 500, B = 450, C = 500

L1 = 950 mm

$$L2 = 0{,}5 \times \left(950 - \frac{500}{tg\ 44{,}7}\right) = 0{,}5 \times (950 - 505{,}26)$$

L2 = - 222,37 p - 222 mm

$$L3 = \frac{950 + -222}{\cos 44{,}7} - \left(\frac{450}{2} \times tg\ 44{,}7\right) = 1024{,}19 - 222{,}66$$

L3 = 801,53 p 802 mm

**Dimensions**

| A = C mm | B mm | L1 mm | L2 mm | L3 mm | □ |
|---|---|---|---|---|---|
| Select (80 - 1000) | 80 | 300 | Calculate | Calculate | 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 |
| | 225 | 500 | | | 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 | 950 | | | 44,8 |
| | 550 | 1150 | | | 44,8 |
| | 600 | 1050 | | | 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 |

# 30° conical branch pieces, galvanised



Diameter A: ø100 - ø1000 mm.

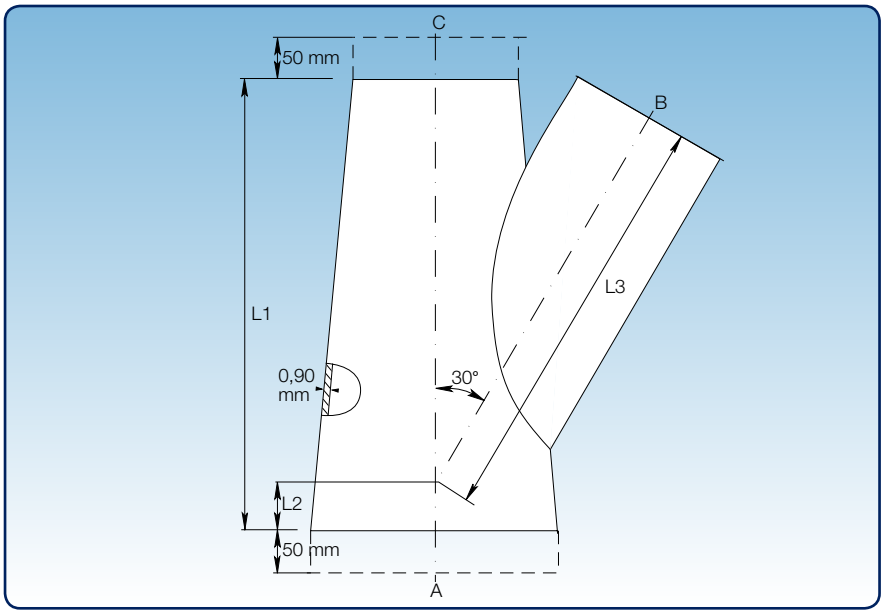
Galvanised branch pieces are made of 0.90 mm sheet metal.

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

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

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

**Example:**

A = 650, B = 500, C = 450

L1 = 1250 mm

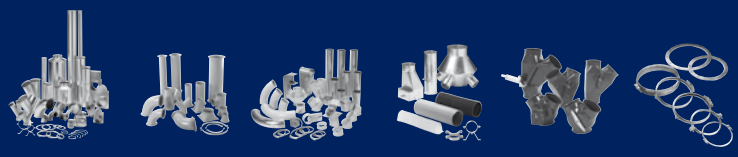
$$L2 = \frac{1250}{2} - \left(\frac{650 + 450}{4 \times \text{tg } 29{,}7}\right) = 625 - 476{,}31$$

L2 = 142,87 p 143 mm

$$L3 = \frac{1250 - 143}{\cos 29{,}7} - \left(\frac{500}{2} \times \text{tg } 29{,}7\right) = 1274{,}42 - 142{,}60$$

L3 = 1131,82 p 1132 mm

| Dimensions | | | | | | |
|---|---|---|---|---|---|---|
| A mm | B mm | C mm | L1 mm | L2 mm | L3 mm | □ |
| | 80 | | 350 | | | 28,0 |
| | 100 | | 350 | | | 28,8 |
| | 120 | | 350 | | | 28,8 |
| | 125 | | 400 | | | 29,0 |
| | 140 | | 450 | | | 29,1 |
| | 150 | | 450 | | | 29,2 |
| | 160 | | 450 | | | 29,2 |
| | 180 | | 550 | | | 29,3 |
| | 200 | | 550 | | | 29,3 |
| Select (100 - 1000) | 225 | Select (100 - 1000) | 600 | Calculate | Calculate | 29,4 |
| | 250 | | 750 | | | 29,5 |
| | 275 | | 750 | | | 29,6 |
| | 300 | | 750 | | | 29,6 |
| | 315 | | 850 | | | 29,6 |
| | 350 | | 950 | | | 29,6 |
| | 400 | | 1050 | | | 29,7 |
| | 450 | | 1250 | | | 29,7 |
| | 500 | | 1250 | | | 29,7 |
| | 550 | | 1250 | | | 29,8 |
| | 600 | | 1450 | | | 29,8 |
| | 630 | | 1650 | | | 29,8 |
| | 650 | | 1650 | | | 29,8 |
| | 700 | | 1650 | | | 29,8 |
| | 750 | | 1850 | | | 29,9 |
| | 800 | | 1850 | | | 29,9 |
| | 850 | | 2050 | | | 29,9 |
| | 900 | | 2050 | | | 29,9 |



# 45° conical branch pieces, galvanised



Diameter A: ø100 - ø1000 mm.

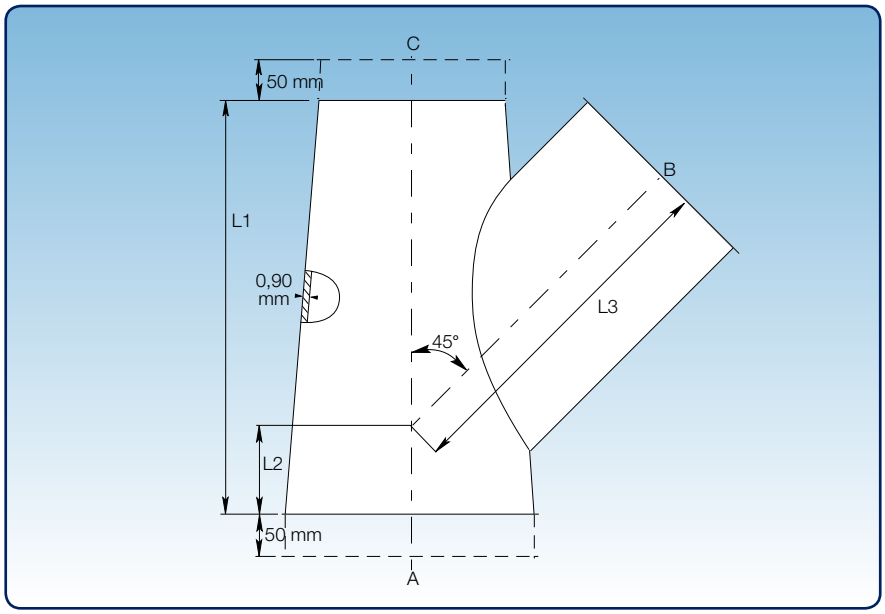
Galvanised branch pieces are made of 0.90 mm sheet metal.

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

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

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

**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 p 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 p 575 mm

| Dimensions | | | | | | |
|---|---|---|---|---|---|---|
| A mm | B mm | C mm | L1 mm | L2 mm | L3 mm | □ |
| | 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 |
| | 225 | | 500 | | | 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 |
| Select (100 - 1000) | | Select (100 - 1000) | | Calculate | Calculate | |

# 30° branch plates, galvanised



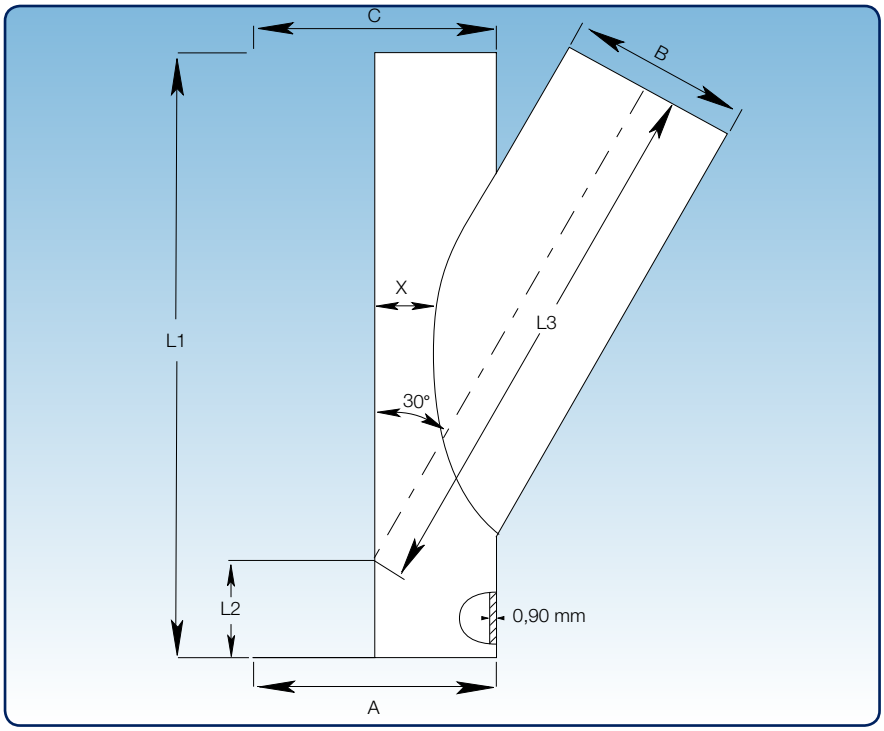
Diameter: ø80 – ø1000 mm.

Galvanised branch plates are made of 0.90 mm sheet metal.

State A-, B- and C dimensions when ordering. Options are limited by A = C, and A ≥ B. A = C must be max. 1000 mm.

The branch determines the length of L1. Branch plates are always straight with the branch centrally located.

If B < 300: X = 50 mm
If B > 300: X = 100 mm




**Calculating L2 and L3:**

L1 = see table

$$L2 = \frac{1}{2} \times \left(L1 - \frac{A}{tg\square}\right)$$

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

**Example:**

A = 700, B = 350, C = 700

L1 = 950 mm

$$L2 = 0{,}5 \times \left(950 - \frac{700}{tg\ 29{,}6}\right) = 0{,}5 \times (950 - 1232{,}22)$$

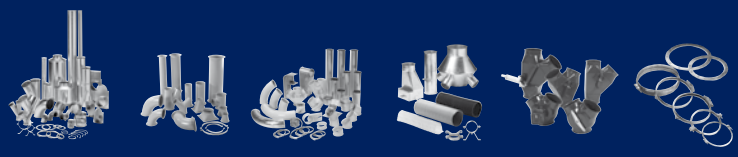
L2 = - 141,11 p - 141 mm

$$L3 = \frac{950 + 141}{\cos 29{,}6} - \left(\frac{350}{2} \times tg\ 29{,}6\right) = 1254{,}75 - 99{,}41$$

L3 = 1155,34 p 1155 mm

**Dimensions**

| A = C mm | B mm | L1 mm | L2 mm | L3 mm | □ |
|---|---|---|---|---|---|
| Select (80 - 1000) | 80 | 350 | Calculate | Calculate | 28,0 |
| | 100 | 350 | | | 28,8 |
| | 120 | 350 | | | 28,8 |
| | 125 | 400 | | | 29,0 |
| | 140 | 450 | | | 29,1 |
| | 150 | 450 | | | 29,2 |
| | 160 | 450 | | | 29,2 |
| | 180 | 550 | | | 29,3 |
| | 200 | 550 | | | 29,3 |
| | 225 | 600 | | | 29,4 |
| | 250 | 750 | | | 29,5 |
| | 275 | 750 | | | 29,6 |
| | 300 | 750 | | | 29,6 |
| | 315 | 850 | | | 29,6 |
| | 350 | 950 | | | 29,6 |
| | 400 | 1050 | | | 29,7 |
| | 450 | 1250 | | | 29,7 |
| | 500 | 1250 | | | 29,7 |
| | 550 | 1450 | | | 29,8 |
| | 600 | 1450 | | | 29,8 |
| | 650 | 1650 | | | 29,8 |
| | 700 | 1650 | | | 29,8 |
| | 750 | 1850 | | | 29,8 |
| | 800 | 1850 | | | 29,9 |
| | 850 | 2050 | | | 29,9 |
| | 900 | 2050 | | | 29,9 |



# 45° branch plates, galvanised



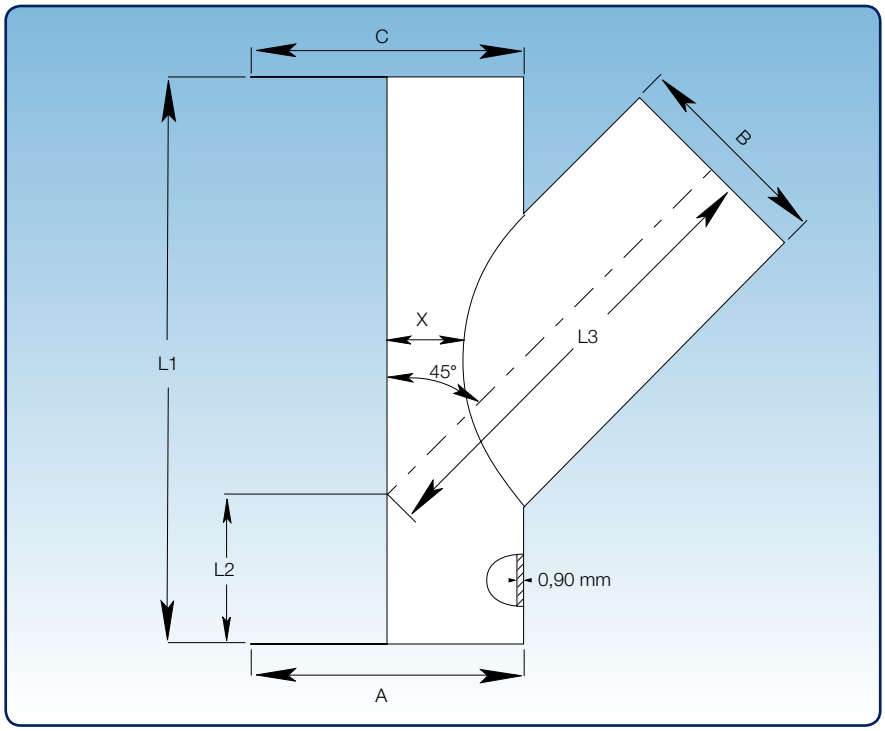
Diameter: ø80 – ø1000 mm.

Galvanised branch plates are made of 0.90 mm sheet metal.

State A-, B- and C dimensions when ordering. Options are limited by A = C, and A ≥ B. A = C must be max. 1000 mm.

The branch determines the length of L1. Branch plates are always straight with the branch centrally located.

If B < 300: X = 50 mm
If B > 300: X = 100 mm




**Calculating L2 and L3:**

L1 = see table

$$L2 = \frac{1}{2} \times \left(L1 - \frac{A}{tg\square}\right)$$

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

**Example:**

A = 550, B = 500, C = 550

L1 = 1050 mm

$$L2 = 0{,}5 \times \left(1050 - \frac{550}{tg\ 44{,}8}\right) = 0{,}5 \times (1050 - 550)$$

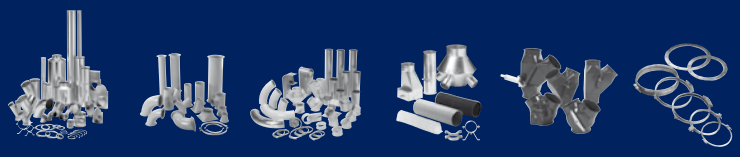
L2 = 248,07 p 248 mm

$$L3 = \frac{1050 - 248}{\cos 44{,}8} - \left(\frac{500}{2} \times tg\ 44{,}8\right) = 1130{,}26 - 248{,}26$$

L3 = 882 mm

**Dimensions**

| A = C mm | B mm | L1 mm | L2 mm | L3 mm | □ |
|---|---|---|---|---|---|
| Select (80 - 1000) | 80 | 300 | Calculate | Calculate | 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 |
| | 225 | 500 | | | 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 |
| | 650 | 1150 | | | 44,8 |
| | 700 | 1300 | | | 44,8 |
| | 750 | 1300 | | | 44,8 |
| | 800 | 1450 | | | 44,8 |
| | 850 | 1450 | | | 44,9 |
| | 900 | 1650 | | | 44,9 |



# 30° and 45° trouser pieces, galvanised



Diameter: ø80 – ø1000 mm.

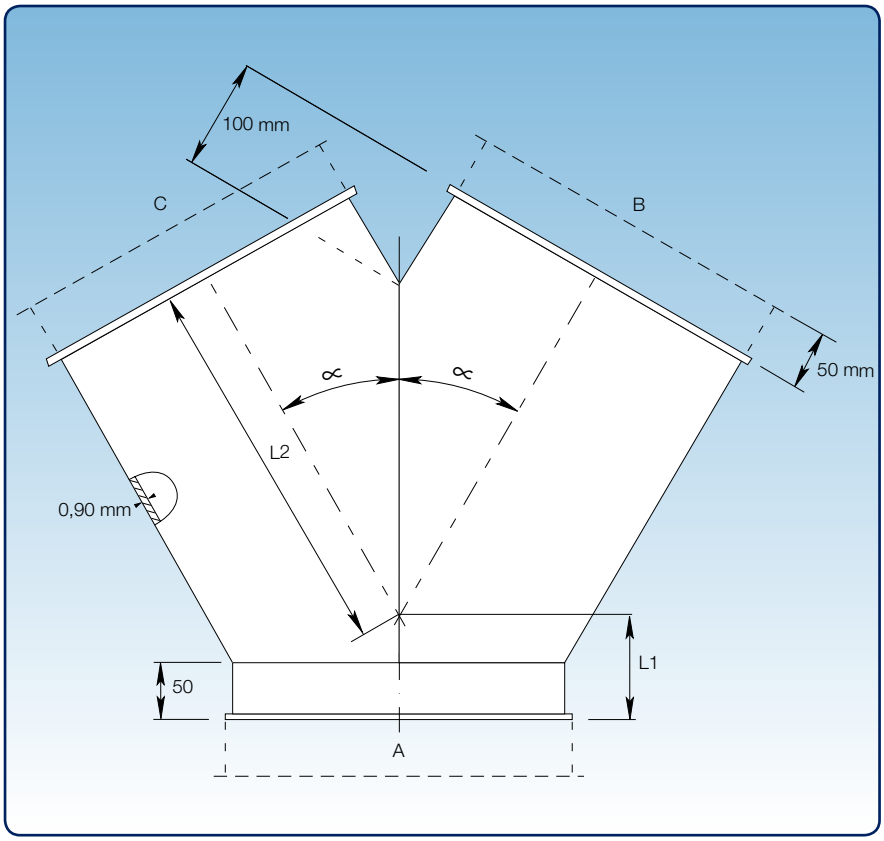
Galvanised trouser pieces are made of 0.90 mm sheet metal.

State A-, B- and C dimensions when ordering.

Trouser pieces are extended by 50 mm on legs B and C when assembled by wide pull rings [f.bb], rapid lock pull rings [f.lyn], or loose flanges [f.b.m.fl].

Kongskilde can also supply trouser pieces in other angles and qualities.

For galvanised trouser pieces:
A ≥ B and A ≥ C. When C ≠ B, the highest value of B and C shall be used for calculation.




□ = 30° or 45°

**Calculation of L1 and L2 for 2 × 30°:**

L1 = (A × 0,134) + 50

L2 = (B × 0,866) + 100

**Example:**

A = B = C = 200
L1 = (200 × 0,134) + 50 = 76,8
L2 = (200 × 0,866) + 100 = 273,2

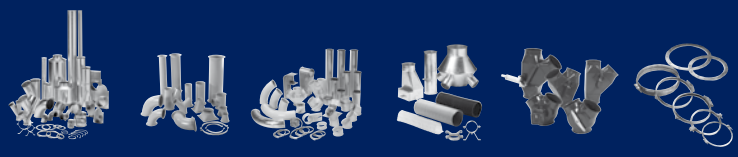
**Calculation of L1 and L2 for 2 × 45°:**

L1 = (A × 0,207) + 50

L2 = (B × 0,5) + 100

**Example:**

A = B = C = 200
L1 = (200 × 0,207) + 50 = 91,4
L2 = (200 × 0,5) + 100 = 200

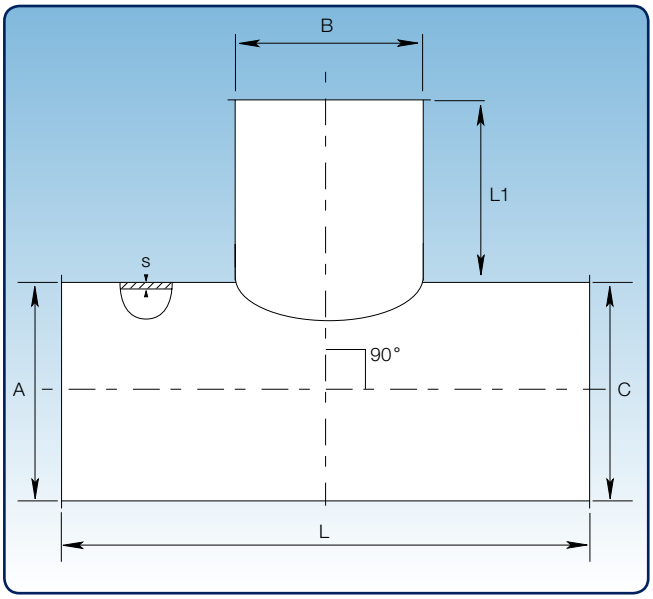


# 90° T-pieces, galvanised



Diameter: ø80 – ø1000 mm.

Galvanised T-pieces are made of 0.90 - 1.00 mm sheet metal (s).
Dimensions: A=C ≥ B.
State A-, B- and C dimensions when ordering.




Dimensional specifications are given in the table below.

**Dimensions**

| B mm | s mm | L mm | L1 mm |
|---|---|---|---|
| 80 | 0,90 | 230 | 75 |
| 100 | 0,90 | 250 | 75 |
| 120 | 0,90 | 270 | 75 |
| 125 | 0,90 | 275 | 75 |
| 140 | 0,90 | 290 | 75 |
| 150 | 0,90 | 300 | 75 |
| 160 | 0,90 | 310 | 75 |
| 180 | 0,90 | 330 | 75 |
| 200 | 0,90 | 350 | 75 |
| 225 | 0,90 | 425 | 100 |
| 250 | 0,90 | 450 | 100 |
| 275 | 0,90 | 475 | 100 |
| 300 | 0,90 | 500 | 100 |
| 315 | 0,90 | 515 | 100 |
| 350 | 0,90 | 550 | 100 |
| 400 | 0,90 | 600 | 100 |
| 450 | 0,90 | 750 | 150 |
| 500 | 0,90 | 800 | 150 |
| 550 | 0,90 | 850 | 150 |
| 600 | 0,90 | 900 | 150 |
| 630 | 0,90 | 930 | 150 |
| 650 | 0,90 | 950 | 150 |
| 700 | 0,90 | 1100 | 200 |
| 750 | 0,90 | 1150 | 200 |
| 800 | 1,00 | 1200 | 200 |
| 850 | 1,00 | 1250 | 200 |
| 900 | 1,00 | 1300 | 200 |
| 950 | 1,00 | 1350 | 200 |
| 1000 | 1,00 | 1400 | 200 |

# Tapers, galvanised

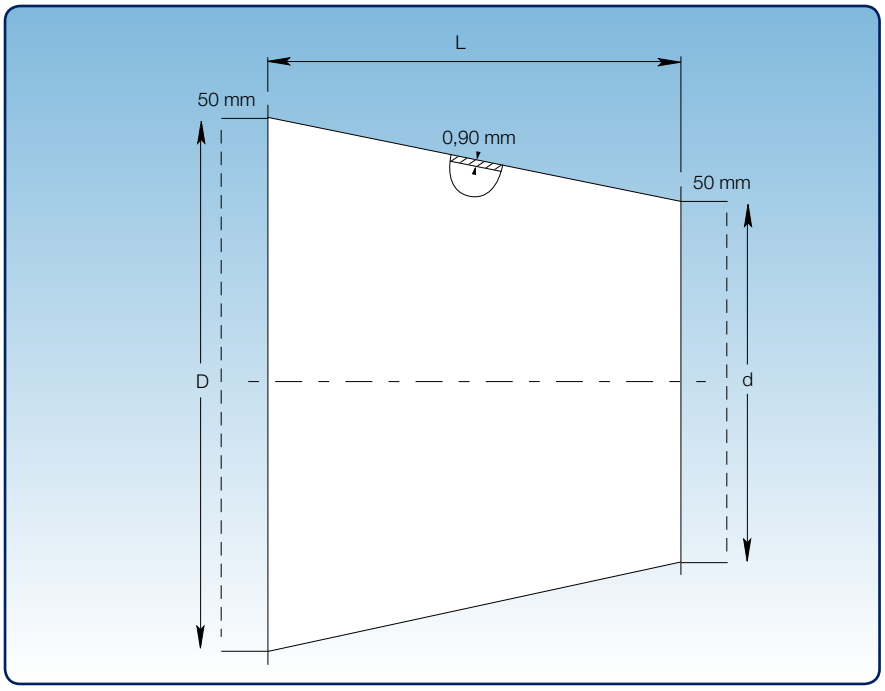


Diameter: ø80 – ø1000 mm.

Tapers are spot welded and made of 0.90 mm galvanised sheet metal.

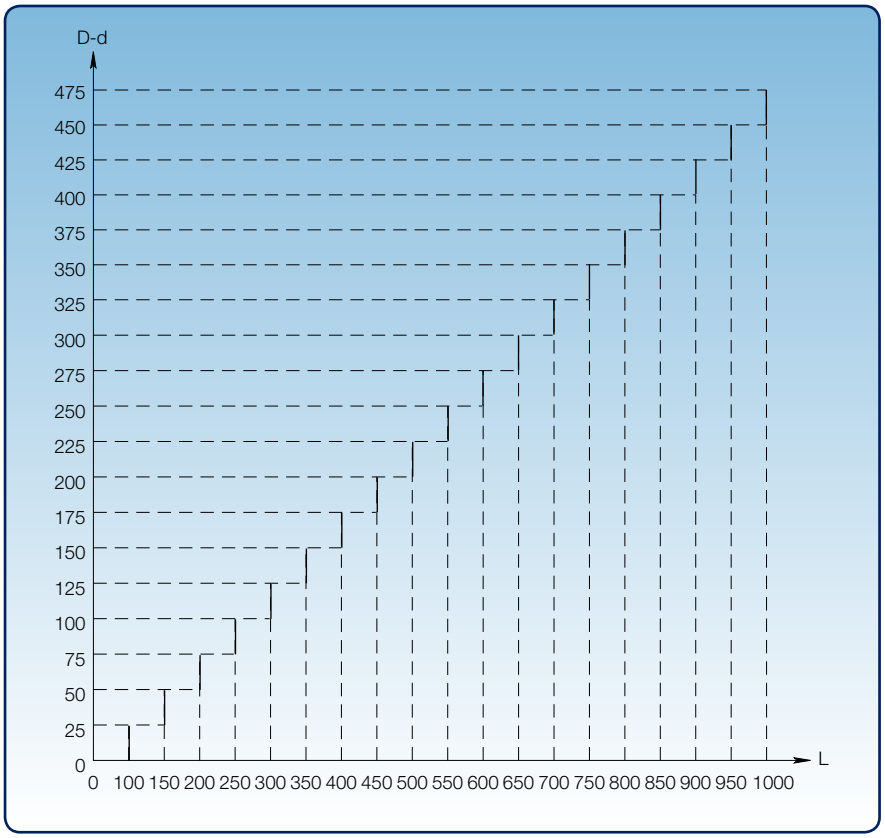
When assembling with wide pull rings [f.bb], rapid lock pull rings [f.lyn] and loose flanges [f.b.m.fl] length (L) is increased by 2 x 50 mm.

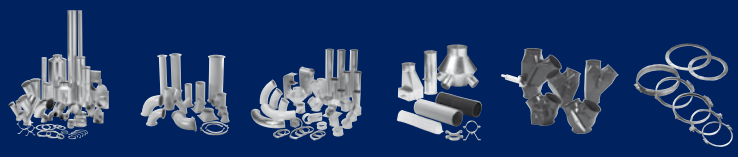
State D- and d dimensions when ordering. Length L is stated in the table below.




Determining taper length L:

The difference between the larger and smaller diameter (D - d) is plotted on the vertical axis of the coordinate system. By following the line from this point to the intersection, the length (L) can be read at the corresponding point on the horizontal axis.





# Transition pieces, galvanised

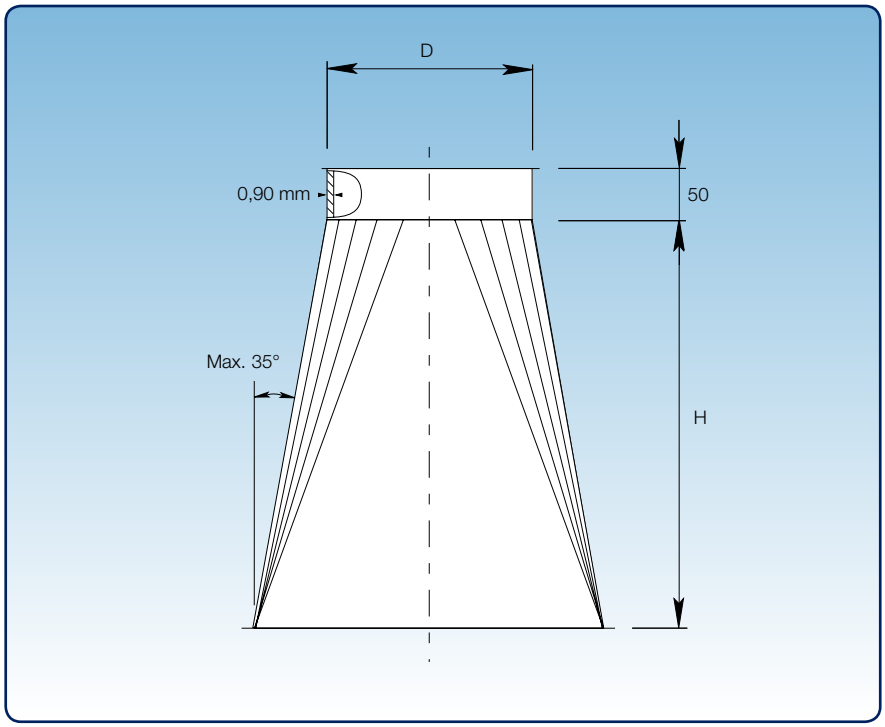


Diameter: ø80 – ø1000 mm.

Transition pieces are spot welded and made of 0.90 mm galvanised sheet metal.

Transition pieces can be made to order in other dimensions, and can be made asymmetrical.

State dimensions for BU × LU and D plus assembly method when ordering (p. 6).




**Calculating H:**

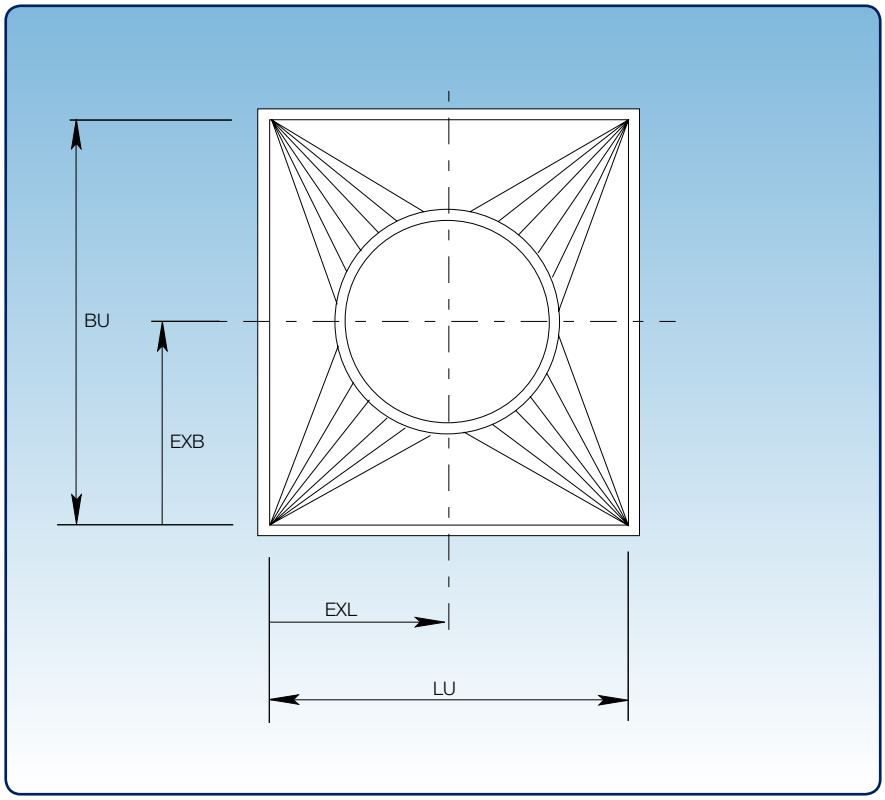
H = 240 + 0,5 × (max. value of LU – D)
or (BU – D)

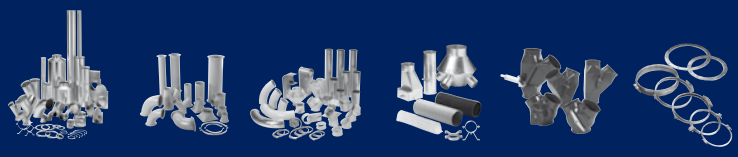
**Example**

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

H = 240 + (0,5 × 250) = 240 + 125

H = 365 mm



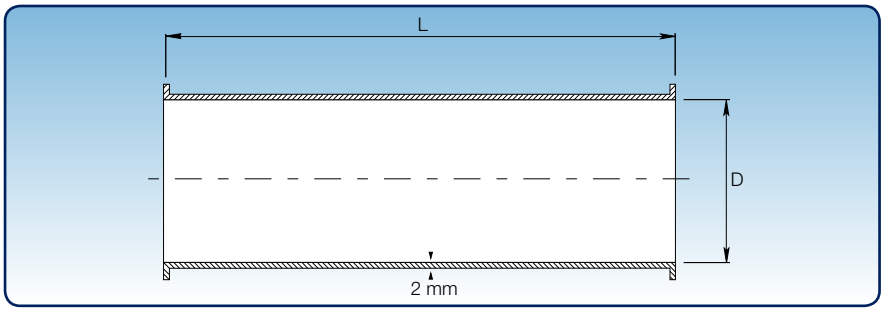


# Ducts, 2 and 3 mm



Diameter for 2 mm: ø80 - ø1250 mm.

2 and 3 mm ducts D ≤ 600 mm supplied as standard for pull rings [f.b]. Ducts with D = ø630 mm - ø1250 mm supplied with flanges [m.fl].

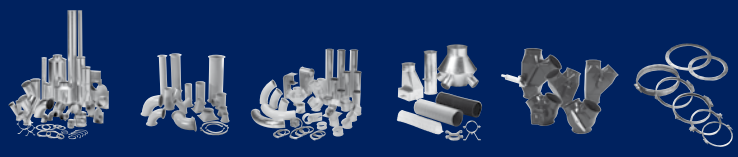



Dimensional specifications are given in the table below.

**Dimensions**

| | L = 0.2 m | | L = 0.5 m | | L = 1.0 m | | L = 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| D mm | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg |
| 80 | 9251040121 | 0,80 | 9251040131 | 2,00 | 9251040141 | 4,00 | 9251040151 | 8,00 |
| 100 | 9251041291 | 1,10 | 9251041131 | 2,50 | 9251041141 | 5,00 | 9251041151 | 10,00 |
| 120 | 9251042291 | 1,30 | 9251042131 | 3,10 | 9251042141 | 6,20 | 9251042151 | 12,40 |
| 125 | 9251043291 | 1,40 | 9251043131 | 3,20 | 9251043141 | 6,40 | 9251043151 | 12,80 |
| 140 | 9251044291 | 1,50 | 9251044131 | 3,50 | 9251044141 | 7,00 | 9251044151 | 14,20 |
| 150 | 9251045291 | 1,60 | 9251045131 | 3,80 | 9251045141 | 7,60 | 9251045151 | 15,20 |
| 160 | 9251046291 | 1,70 | 9251046131 | 4,10 | 9251046141 | 8,20 | 9251046151 | 16,40 |
| 180 | 9251047291 | 1,80 | 9251047131 | 4,60 | 9251047141 | 9,10 | 9251047151 | 18,20 |
| 200 | 9251048291 | 2,10 | 9251048131 | 5,10 | 9251048141 | 10,20 | 9251048151 | 20,40 |
| 225 | 9251049291 | 2,40 | 9251049131 | 5,80 | 9251049141 | 11,30 | 9251049151 | 22,70 |
| 250 | 9251050291 | 2,70 | 9251050131 | 6,30 | 9251050141 | 12,60 | 9251050151 | 25,20 |
| 300 | 9251051291 | 3,20 | 9251051131 | 7,60 | 9251051141 | 15,20 | 9251051151 | 30,40 |
| 315 | 9251052291 | 3,30 | 9251052131 | 7,70 | 9251052141 | 15,50 | 9251052151 | 31,00 |
| 350 | 9251053291 | 3,80 | 9251053131 | 8,90 | 9251053141 | 16,80 | 9251053151 | 33,80 |
| 400 | 9251054291 | 4,30 | 9251054131 | 10,10 | 9251054141 | 20,20 | 9251054151 | 40,40 |
| 450 | 9251055291 | 4,90 | 9251055131 | 11,40 | 9251055141 | 22,80 | 9251055151 | 45,60 |
| 500 | 9251056291 | 5,40 | 9251056131 | 12,60 | 9251056141 | 25,20 | 9251056151 | 50,40 |
| 550 | 9251057291 | 6,00 | 9251057131 | 13,90 | 9251057141 | 27,80 | 9251057151 | 55,60 |
| 600 | 9251058291 | 6,60 | 9251058131 | 15,20 | 9251058141 | 30,40 | 9251058151 | 60,80 |
| 630 | 9251059295 | 12,80 | 9251059135 | 22,30 | 9251059145 | 38,20 | 9251059155 | 70,00 |
| 650 | 9251060295 | 13,20 | 9251060135 | 23,00 | 9251060145 | 39,40 | 9251060155 | 72,00 |
| 700 | 9251061295 | 14,20 | 9251061135 | 24,70 | 9251061145 | 42,30 | 9251061155 | 77,50 |
| 750 | 9251062295 | 17,80 | 9251062135 | 29,00 | 9251062145 | 48,00 | 9251062155 | 85,80 |
| 800 | 9251063295 | 18,90 | 9251063135 | 31,00 | 9251063145 | 52,20 | 9251063155 | 91,70 |
| 850 | 9251064295 | 20,00 | 9251064135 | 32,90 | 9251064145 | 54,40 | 9251064155 | 97,00 |
| 900 | 9251065295 | 21,20 | 9251065135 | 34,80 | 9251065145 | 57,40 | 9251065155 | 102,70 |
| 950 | 9251066295 | 22,40 | 9251066135 | 36,80 | 9251066145 | 60,80 | 9251066155 | 108,80 |
| 1000 | 9251067295 | 23,50 | 9251067135 | 38,60 | 9251067145 | 63,80 | 9251067155 | 114,20 |
| 1100 | - | - | 9251068135 | 42,50 | 9251068145 | 71,10 | 9251068155 | 126,50 |
| 1250 | - | - | 9251069135 | 45,20 | 9251069145 | 76,70 | 9251069155 | 129,70 |

Item numbers designated with D ≤ 600 mm are for ducts assembled with pull rings [f.b].
Item numbers designated with D ≥ 630 mm are for ducts with flanges [m.fl].
2 and 3 mm ducts are also available for other assembly methods. See p. 7 for assembly methods.

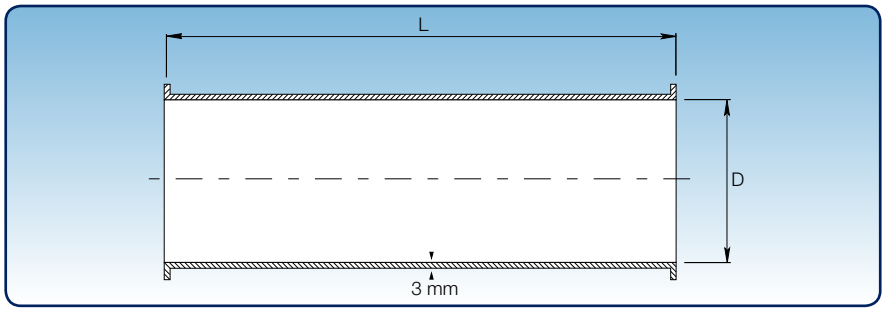


# Ducts, 2 and 3 mm



Diameter for 3 mm: ø150 - ø1250 mm.

2 and 3 mm ducts D ≤ 600 mm supplied as standard for pull rings [f.b]. Ducts with D = ø630 mm - ø1250 mm supplied with flanges [m.fl].

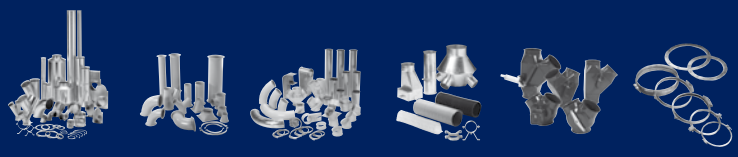



Dimensional specifications are given in the table below.

**Dimensions**

| D mm | L = 0.2 m Item no. | kg | L = 0.5 m Item no. | kg | L = 1.0 m Item no. | kg | L = 2.0 m Item no. | kg |
|---|---|---|---|---|---|---|---|---|
| 150 | 9251045391 | 2,40 | 9251045161 | 5,70 | 9251045171 | 11,40 | 9251045181 | 22,80 |
| 160 | 9251046391 | 2,50 | 9251046161 | 6,10 | 9251046171 | 12,20 | 9251046181 | 24,40 |
| 180 | 9251047391 | 2,70 | 9251047161 | 6,80 | 9251047171 | 13,60 | 9251047181 | 27,20 |
| 200 | 9251048391 | 3,20 | 9251048161 | 7,60 | 9251048171 | 15,20 | 9251048181 | 30,40 |
| 225 | 9251049391 | 3,60 | 9251049161 | 8,60 | 9251049171 | 17,10 | 9251049181 | 34,20 |
| 250 | 9251050391 | 4,00 | 9251050161 | 9,60 | 9251050171 | 19,00 | 9251050181 | 38,00 |
| 300 | 9251051391 | 4,80 | 9251051161 | 11,40 | 9251051171 | 22,80 | 9251051181 | 45,60 |
| 315 | 9251052391 | 5,00 | 9251052161 | 11,70 | 9251052171 | 23,30 | 9251052181 | 46,60 |
| 350 | 9251053391 | 5,70 | 9251053161 | 13,30 | 9251053171 | 26,60 | 9251053181 | 53,20 |
| 400 | 9251054391 | 6,50 | 9251054161 | 15,20 | 9251054171 | 30,40 | 9251054181 | 60,80 |
| 450 | 9251055391 | 7,30 | 9251055161 | 17,10 | 9251055171 | 34,20 | 9251055181 | 68,40 |
| 500 | 9251056391 | 8,10 | 9251056161 | 19,00 | 9251056171 | 38,00 | 9251056181 | 76,00 |
| 550 | 9251057391 | 8,40 | 9251057161 | 20,90 | 9251057171 | 41,80 | 9251057181 | 83,60 |
| 600 | 9251058391 | 9,70 | 9251058161 | 22,70 | 9251058171 | 45,40 | 9251058181 | 90,80 |
| 630 | 9251059395 | 15,90 | 9251059165 | 35,20 | 9251059175 | 54,00 | 9251059185 | 101,60 |
| 650 | 9251060395 | 16,30 | 9251060165 | 31,20 | 9251060175 | 55,80 | 9251060185 | 105,00 |
| 700 | 9251061395 | 17,70 | 9251061165 | 33,50 | 9251061175 | 59,90 | 9251061185 | 112,70 |
| 750 | 9251062395 | 21,50 | 9251062165 | 36,00 | 9251062175 | 66,80 | 9251062185 | 123,40 |
| 800 | 9251063395 | 23,00 | 9251063165 | 41,00 | 9251063175 | 71,20 | 9251063185 | 131,60 |
| 850 | 9251064395 | 24,40 | 9251064165 | 43,50 | 9251064175 | 76,70 | 9251064185 | 139,90 |
| 900 | 9251065395 | 25,70 | 9251065165 | 46,10 | 9251065175 | 80,00 | 9251065185 | 148,10 |
| 950 | 9251066395 | 27,20 | 9251066165 | 48,70 | 9251066175 | 84,60 | 9251066185 | 156,40 |
| 1000 | 9251067395 | 28,50 | 9251067165 | 52,20 | 9251067175 | 89,00 | 9251067185 | 168,60 |
| 1100 | - | - | 9251068165 | 56,30 | 9251068175 | 98,00 | 9251068185 | 181,00 |
| 1250 | - | - | 9251069165 | 61,00 | 9251069175 | 108,20 | 9251069185 | 202,70 |

Item numbers designated with D ≤ 600 mm are for ducts assembled with pull rings [f.b].
Item numbers designated with D ≥ 630 mm are for ducts with flanges [m.fl].
2 and 3 mm ducts are also available for other assembly methods. See p. 7 for assembly methods.

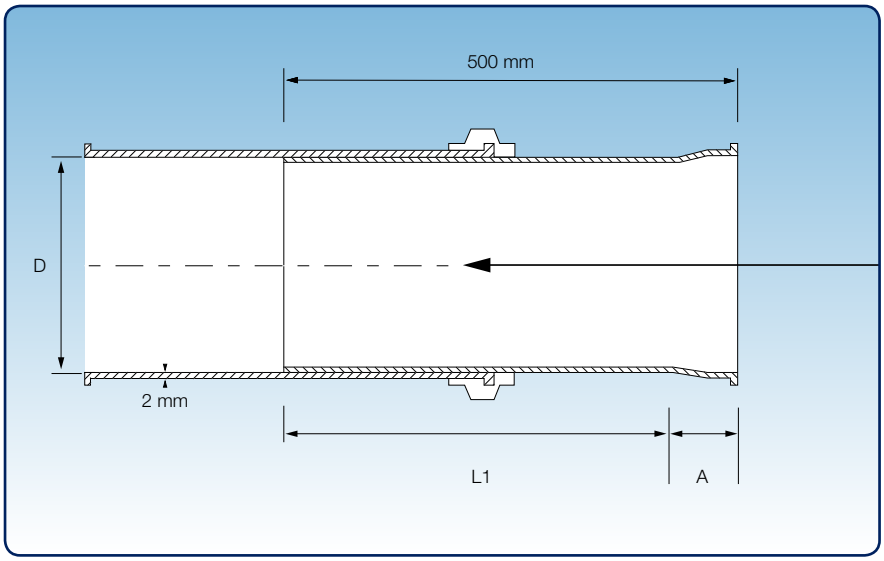


# Telescopic ducts, 2 mm



Diameter: ø100 - ø600 mm.

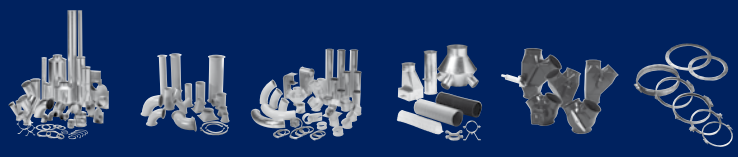
Welded telescopic ducts are made of 2.00 mm sheet metal (s), and supplied with rapid lock pull rings with rubber gasket.




Dimensional specifications are given in the table below.

| | Dimensions | | | |
|---|---|---|---|---|
| Item no. | A mm | L1 mm | D mm | Weight kg |
| 9251069191 | 55 | 445 | 100 | 2,70 |
| 9251069201 | 55 | 445 | 120 | 3,10 |
| 9251069211 | 55 | 445 | 125 | 3,40 |
| 9251069221 | 65 | 435 | 140 | 3,70 |
| 9251069231 | 65 | 435 | 150 | 3,90 |
| 9251069241 | 65 | 435 | 160 | 4,20 |
| 9251069251 | 65 | 435 | 180 | 4,90 |
| 9251069261 | 65 | 435 | 200 | 5,20 |
| 9251069271 | 65 | 435 | 225 | 5,80 |
| 9251069281 | 65 | 435 | 250 | 6,50 |
| 9251069291 | 65 | 435 | 275 | 6,70 |
| 9251069301 | 65 | 435 | 300 | 7,80 |
| 9251069311 | 65 | 435 | 315 | 8,10 |
| 9251069321 | 65 | 435 | 350 | 9,00 |
| 9251069331 | 65 | 435 | 400 | 10,10 |
| 9251069341 | 65 | 435 | 450 | 11,70 |
| 9251069351 | 70 | 435 | 500 | 12,30 |
| 9251069361 | 70 | 456 | 550 | 14,60 |
| 9251069371 | 70 | 435 | 600 | 15,90 |

The item numbers stated are for primed telescopic ducts assembled using pull rings [f.b].
Telescopic ducts are also available for other assembly methods. See p. 7 for assembly methods.



# Ducts with direct flange, 2 and 3 mm

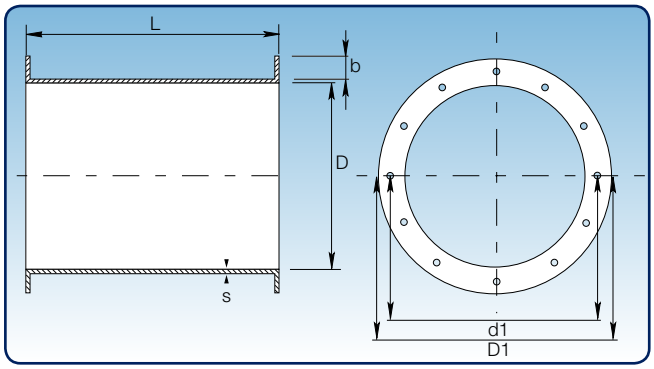


Diameter: ø300 - ø1000 mm.

Ducts with direct flanges are welded and made of 2.00 and 3.00 mm sheet metal (s).

Ducts are supplied with direct flanges [d.fl] in same material as ducts.

Direct flanges can be fitted along with Kongskilde's standard range of loose and welded flanges.
Item numbers stated are for primed ducts.



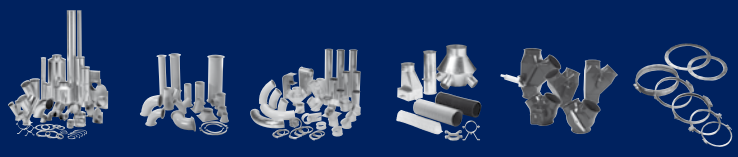

Dimensional specifications are given in the table below.

**Dimensions**

| D | s | D1 | d1 | Weight at L = 0.2 m | | Weight at L = 0.5 m | | Weight at L = 1.0 m | | Weight at L = 2.0 m | | Quant. holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mm | mm | mm | mm | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | |
| 300 | 2,00 | 354 | 336 | 9251051299 | 3,20 | 9251051139 | 7,60 | 9251051149 | 15,20 | 9251051159 | 30,40 | 12 |
| 315 | 2,00 | 370 | 351 | 9251052299 | 3,30 | 9251052139 | 7,90 | 9251052149 | 15,80 | 9251052159 | 31,60 | 12 |
| 350 | 2,00 | 415 | 389 | 9251053299 | 3,80 | 9251053139 | 8,90 | 9251053149 | 17,80 | 9251053159 | 35,60 | 12 |
| 400 | 2,00 | 465 | 439 | 9251054299 | 4,30 | 9251054139 | 10,10 | 9251054149 | 20,20 | 9251054159 | 40,40 | 16 |
| 450 | 2,00 | 515 | 489 | 9251055299 | 4,90 | 9251055139 | 11,40 | 9251055149 | 22,80 | 9251055159 | 45,60 | 16 |
| 500 | 2,00 | 565 | 540 | 9251056299 | 5,40 | 9251056139 | 12,60 | 9251056149 | 25,20 | 9251056159 | 50,40 | 16 |
| 550 | 2,00 | 615 | 590 | 9251057299 | 6,00 | 9251057139 | 13,90 | 9251057149 | 27,80 | 9251057159 | 55,60 | 16 |
| 600 | 2,00 | 665 | 640 | 9251058299 | 6,60 | 9251058139 | 15,20 | 9251058149 | 30,40 | 9251058159 | 60,80 | 16 |
| 630 | 2,00 | 695 | 670 | 9251059299 | 6,40 | 9251059139 | 15,90 | 9251059149 | 31,80 | 9251059159 | 63,60 | 24 |
| 650 | 2,00 | 715 | 690 | 9251060299 | 6,60 | 9251060139 | 16,40 | 9251060149 | 32,80 | 9251060159 | 65,60 | 24 |
| 700 | 2,00 | 785 | 750 | 9251061299 | 7,10 | 9251061139 | 17,60 | 9251061149 | 35,20 | 9251061159 | 70,40 | 24 |
| 750 | 2,00 | 835 | 800 | 9251062299 | 7,60 | 9251062139 | 18,90 | 9251062149 | 37,80 | 9251062159 | 75,60 | 24 |
| 800 | 2,00 | 885 | 850 | 9251063299 | 8,10 | 9251063139 | 20,20 | 9251063149 | 40,40 | 9251063159 | 80,80 | 24 |
| 850 | 2,00 | 935 | 900 | 9251064299 | 8,60 | 9251064139 | 21,40 | 9251064149 | 42,80 | 9251064159 | 85,60 | 24 |
| 900 | 2,00 | 985 | 950 | 9251065299 | 9,10 | 9251065139 | 22,70 | 9251065149 | 45,30 | 9251065159 | 90,60 | 24 |
| 950 | 2,00 | 1035 | 1000 | 9251066299 | 9,60 | 9251066139 | 24,00 | 9251066149 | 48,00 | 9251066159 | 96,00 | 24 |
| 1000 | 2,00 | 1085 | 1050 | 9251067299 | 10,10 | 9251067139 | 25,20 | 9251067149 | 50,40 | 9251067159 | 100,80 | 24 |
| 300 | 3,00 | 354 | 336 | 9251051399 | 4,80 | 9251051169 | 11,40 | 9251051179 | 22,80 | 9251051189 | 45,60 | 12 |
| 315 | 3,00 | 370 | 351 | 9251052399 | 5,00 | 9251052169 | 11,90 | 9251052179 | 23,70 | 9251052189 | 47,40 | 12 |
| 350 | 3,00 | 415 | 389 | 9251053399 | 5,70 | 9251053169 | 13,30 | 9251053179 | 26,60 | 9251053189 | 53,20 | 12 |
| 400 | 3,00 | 465 | 439 | 9251054399 | 6,50 | 9251054169 | 15,20 | 9251054179 | 30,40 | 9251054189 | 60,80 | 16 |
| 450 | 3,00 | 515 | 489 | 9251055399 | 7,30 | 9251055169 | 17,10 | 9251055179 | 34,20 | 9251055189 | 68,40 | 16 |
| 500 | 3,00 | 565 | 540 | 9251056399 | 8,10 | 9251056169 | 19,00 | 9251056179 | 38,00 | 9251056189 | 76,00 | 16 |
| 550 | 3,00 | 615 | 590 | 9251057399 | 8,40 | 9251057169 | 20,90 | 9251057179 | 41,80 | 9251057189 | 83,60 | 16 |
| 600 | 3,00 | 665 | 640 | 9251058399 | 9,70 | 9251058169 | 22,70 | 9251058179 | 45,40 | 9251058189 | 90,80 | 16 |
| 630 | 3,00 | 695 | 670 | 9251059399 | 9,50 | 9251059169 | 23,80 | 9251059179 | 47,60 | 9251059189 | 95,20 | 24 |
| 650 | 3,00 | 715 | 690 | 9251060399 | 9,70 | 9251060169 | 24,60 | 9251060179 | 49,20 | 9251060189 | 98,40 | 24 |
| 700 | 3,00 | 785 | 750 | 9251061399 | 10,60 | 9251061169 | 26,40 | 9251061179 | 52,80 | 9251061189 | 105,60 | 24 |
| 750 | 3,00 | 835 | 800 | 9251062399 | 11,30 | 9251062169 | 28,30 | 9251062179 | 56,60 | 9251062189 | 113,20 | 24 |
| 800 | 3,00 | 885 | 850 | 9251063399 | 12,10 | 9251063169 | 30,20 | 9251063179 | 60,40 | 9251063189 | 120,80 | 24 |
| 850 | 3,00 | 935 | 900 | 9251064399 | 12,90 | 9251064169 | 32,10 | 9251064179 | 64,20 | 9251064189 | 128,40 | 24 |
| 900 | 3,00 | 985 | 950 | 9251065399 | 13,60 | 9251065169 | 34,00 | 9251065179 | 68,00 | 9251065189 | 136,00 | 24 |
| 950 | 3,00 | 1035 | 1000 | 9251066399 | 14,40 | 9251066169 | 35,90 | 9251066179 | 71,80 | 9251066189 | 143,60 | 24 |
| 1000 | 3,00 | 1085 | 1050 | 9251067399 | 15,10 | 9251067169 | 37,80 | 9251067179 | 75,60 | 9251067189 | 151,20 | 24 |

**Duct length/flange width/hole size**

| D | b | L = 0.2 m | L = 0.5 m | L = 1.0 m | L = 2.0 | Hole size |
|---|---|---|---|---|---|---|
| mm | mm | mm | mm | mm | mm | mm |
| 300 - 315 | 25 | 200 | 455 | 955 | 1955 | 9 |
| 350 - 650 | 30 | 200 | 445 | 945 | 1945 | 11 |
| 700 - 1000 | 40 | 200 | 425 | 925 | 1925 | 11 |

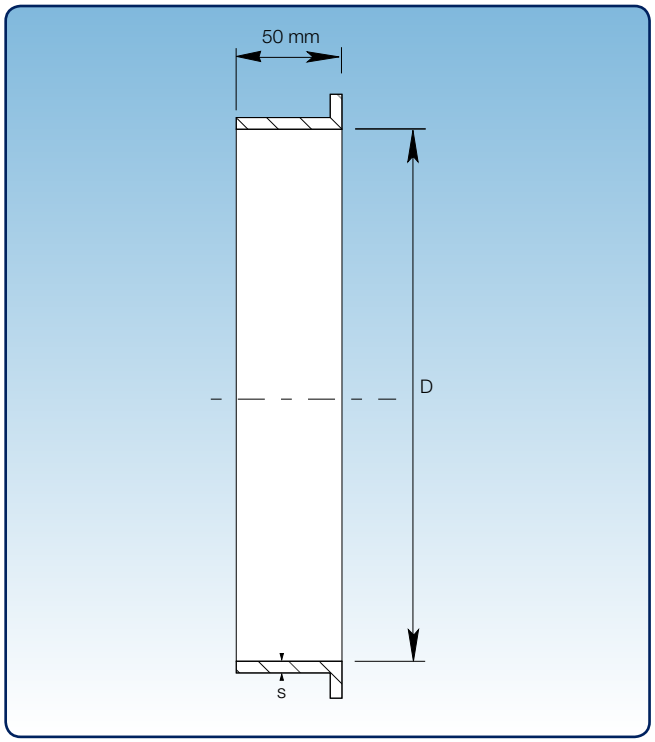


# Welding ends, 2 and 3 mm



Diameter: ø80 - ø600 mm.

Welding ends are made of 2.00 and 3.00 mm sheet metal (s) and supplied untreated.

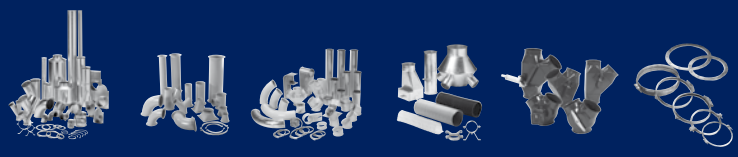



Dimensional specifications are given in the table below.

**Dimensions**

| D mm | Item no. | s = 2 mm | Weight kg | Item no. | s = 3 mm | Weight kg |
|---|---|---|---|---|---|---|
| 80 | 9251010700 | | 0,22 | | | |
| 100 | 9251011700 | | 0,27 | | | |
| 120 | 9251012700 | | 0,33 | | | |
| 125 | 9251013700 | | 0,34 | | | |
| 140 | 9251014700 | | 0,38 | | | |
| 150 | 9251015700 | | 0,41 | 9251015800 | | 0,62 |
| 160 | 9251016700 | | 0,44 | 9251016800 | | 0,66 |
| 180 | 9251017700 | | 0,49 | 9251017800 | | 0,74 |
| 200 | 9251018700 | | 0,55 | 9251018800 | | 0,82 |
| 225 | 9251019700 | | 0,61 | 9251019800 | | 0,92 |
| 250 | 9251020700 | | 0,68 | 9251020800 | | 1,02 |
| 275 | 9251020710 | | 0,75 | 9251021810 | | 1,12 |
| 300 | 9251021700 | | 0,82 | 9251021800 | | 1,23 |
| 315 | 9251022700 | | 0,86 | 9251022800 | | 1,29 |
| 350 | 9251023700 | | 0,95 | 9251023800 | | 1,43 |
| 400 | 9251024700 | | 1,09 | 9251024800 | | 1,63 |
| 450 | 9251025700 | | 1,27 | 9251025800 | | 1,89 |
| 500 | 9251026700 | | 1,36 | 9251026800 | | 2,04 |
| 550 | 9251027700 | | 1,50 | 9251027800 | | 2,24 |
| 600 | 9251028700 | | 1,63 | 9251028800 | | 2,45 |

The item numbers stated are for primed welding ends assembled using pull rings [f.b].
Welding ends are also available for other assembly methods. See p. 7 for assembly methods.

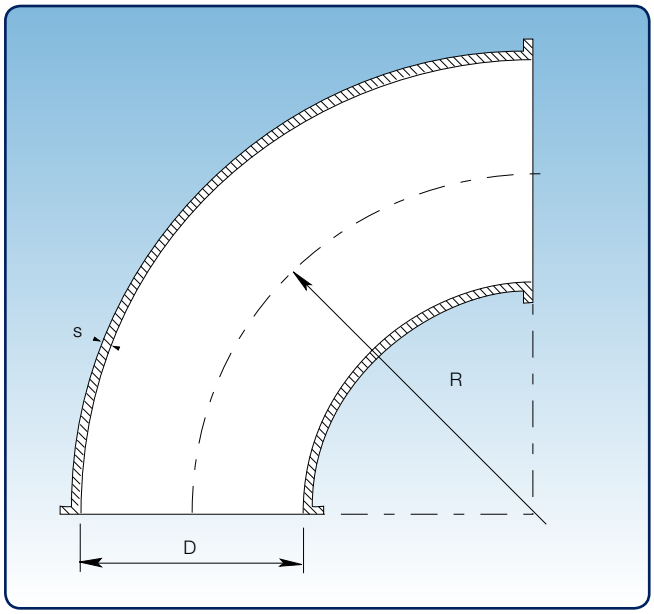


# Pressed bends, 2 and 3 mm



Diameter for 2 mm: ø100 - ø400 mm.
Diameter for 3 mm: ø150 - ø200 mm.

Pressed bends are made of 2.00 and 3.00 mm sheet metal (s).

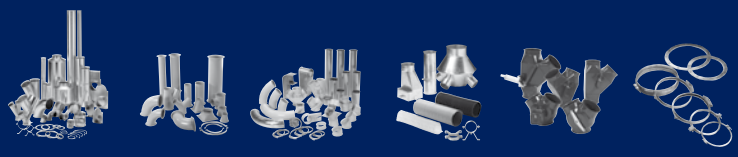



Dimensional specifications are given in the table below.
R = 1.5 x D for all dimensions.

**Dimensions**

| D | s | 90° | | 60° | | 45° | | 30° | | 15° | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| mm | mm | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg |
| 100 | 2,00 | 9251141292 | 1,20 | 9251141262 | 0,90 | 9251141242 | 0,60 | 9251141232 | 0,40 | 9251141212 | 0,20 |
| 120 | 2,00 | 9251142292 | 1,80 | 9251142262 | 1,20 | 9251142242 | 0,90 | 9251142232 | 0,60 | 9251142212 | 0,30 |
| 125 | 2,00 | 9251143292 | 2,00 | 9251143262 | 1,30 | 9251143242 | 1,00 | 9251143232 | 0,70 | 9251143212 | 0,40 |
| 150 | 2,00 | 9251145292 | 2,90 | 9251145262 | 2,00 | 9251145242 | 1,40 | 9251145232 | 1,00 | 9251145212 | 0,50 |
| 160 | 2,00 | 9251146292 | 3,20 | 9251146262 | 2,20 | 9251146242 | 1,60 | 9251146232 | 1,10 | 9251146212 | 0,70 |
| 180 | 2,00 | 9251147292 | 3,80 | 9251147262 | 2,70 | 9251147242 | 1,90 | 9251147232 | 1,40 | 9251147212 | 0,70 |
| 200 | 2,00 | 9251148292 | 5,00 | 9251148262 | 3,40 | 9251148242 | 2,50 | 9251148232 | 1,70 | 9251148212 | 0,70 |
| 250 | 2,00 | 9251150292 | 8,90 | 9251150262 | 5,90 | 9251150242 | 4,40 | 9251150232 | 2,90 | 9251150212 | 1,40 |
| 300 | 2,00 | 9251151292 | 12,90 | 9251151262 | 7,60 | 9251151242 | 6,40 | 9251151232 | 4,30 | 9251151212 | 1,90 |
| 350 | 2,00 | 9251153292 | 17,80 | 9251153262 | 12,00 | 9251153242 | 9,30 | 9251153232 | 5,20 | 9251153212 | 3,20 |
| 400 | 2,00 | 9251154292 | 23,50 | 9251154262 | 15,70 | 9251154242 | 11,80 | 9251154232 | 7,50 | 9251154212 | 4,10 |
| | | | | | | | | | | | |
| 150 | 3,00 | 9251145392 | 4,30 | 9251145362 | 3,00 | 9251145342 | 2,20 | 9251145332 | 1,50 | 9251145312 | 0,80 |
| 160 | 3,00 | 9251146392 | 4,80 | 9251146362 | 3,20 | 9251146342 | 2,40 | 9251146332 | 1,60 | 9251146312 | 1,00 |
| 180 | 3,00 | 9251147392 | 6,20 | 9251147362 | 4,10 | 9251147342 | 3,10 | 9251147332 | 2,10 | 9251147312 | 1,10 |
| 200 | 3,00 | 9251148392 | 7,50 | 9251148362 | 5,10 | 9251148342 | 3,70 | 9251148332 | 2,50 | 9251148312 | 1,30 |

The item numbers stated are for primed pressed bends assembled using pull rings [f.b].
Pressed bends are also available for other assembly methods. See p. 7 for assembly methods.

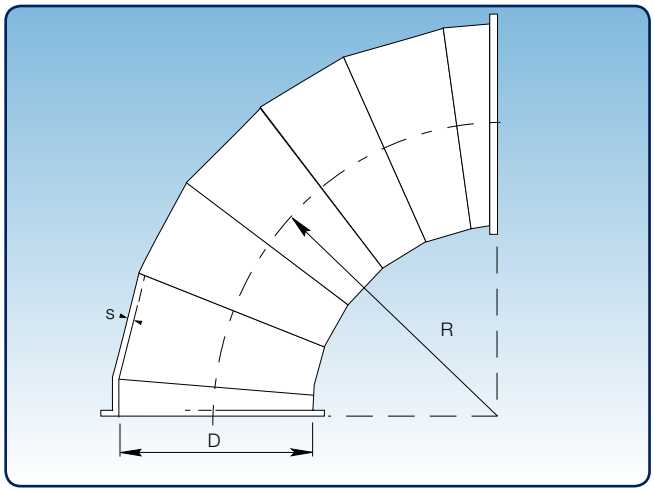


# Segment bends, 2 and 3 mm



Diameter for 2 mm: ø140 - ø1000 mm.
Diameter for 3 mm: ø225 - ø1000 mm.

Segment bends are available in other radii and dimensions to order.
2 and 3 mm segment bends are supplied as standard for pull rings [f.b]. Segment bends with D = ø630 mm - ø1000 mm supplied with flange [m.fl].

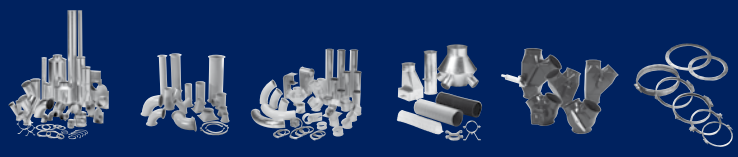



Dimensional specifications are given in the table below.
R = 1.5 x D for all dimensions.

**Dimensions**

| D | s | 90° | | 60° | | 45° | | 30° | | 15° | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| mm | mm | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg | Item no. | kg |
| 140 | 2,00 | 9251144292 | 2,90 | 9251144262 | 2,00 | 9251144242 | 1,40 | 9251144232 | 1,00 | 9251144212 | 0,50 |
| 225 | 2,00 | 9251149292 | 7,60 | 9251149262 | 5,20 | 9251149242 | 3,80 | 9251149232 | 2,60 | 9251149212 | 1,40 |
| 275 | 2,00 | 92511588929 | 9,60 | 92511588629 | 7,20 | 92511588429 | 4,80 | 9251152232 | 3,60 | 92511588129 | 1,80 |
| 315 | 2,00 | 9251152292 | 13,30 | 9251152262 | 8,60 | 9251152242 | 6,50 | 92511588329 | 4,40 | 9251152212 | 2,20 |
| 450 | 2,00 | 9251155892 | 24,20 | 9251155862 | 16,20 | 9251155842 | 12,10 | 9251155832 | 8,10 | 9251155812 | 4,00 |
| 500 | 2,00 | 9251156892 | 29,90 | 9251156862 | 20,00 | 9251156842 | 15,00 | 9251156832 | 10,00 | 9251156812 | 5,00 |
| 550 | 2,00 | 9251157892 | 36,20 | 9251157862 | 24,20 | 9251157842 | 18,10 | 9251157832 | 12,10 | 9251157812 | 6,00 |
| 600 | 2,00 | 9251158892 | 43,10 | 9251158862 | 28,80 | 9251158842 | 21,60 | 9251158832 | 14,40 | 9251158812 | 7,20 |
| 630 | 2,00 | 9251159895 | 53,78 | 9251159865 | 38,08 | 9251159845 | 30,18 | 9251159835 | 22,18 | 9251159815 | 14,28 |
| 650 | 2,00 | 9251160895 | 57,17 | 9251160865 | 40,37 | 9251160845 | 31,87 | 9251160835 | 23,47 | 9251160815 | 14,97 |
| 700 | 2,00 | 9251161895 | 65,85 | 9251161865 | 46,25 | 9251161845 | 36,45 | 9251161835 | 26,65 | 9251161815 | 16,85 |
| 750 | 2,00 | 9251162895 | 77,67 | 9251162865 | 55,17 | 9251162845 | 43,97 | 9251162835 | 32,67 | 9251162815 | 21,20 |
| 800 | 2,00 | 9251163895 | 87,61 | 9251163865 | 62,01 | 9251163845 | 49,21 | 9251163835 | 36,41 | 9251163815 | 23,61 |
| 850 | 2,00 | 9251164895 | 98,25 | 9251164865 | 69,25 | 9251164845 | 54,85 | 9251164835 | 40,35 | 9251164815 | 25,95 |
| 900 | 2,00 | 9251165895 | 109,40 | 9251165865 | 77,00 | 9251165845 | 60,80 | 9251165835 | 44,50 | 9251165815 | 28,30 |
| 950 | 2,00 | 9251166895 | 121,14 | 9251166865 | 85,04 | 9251166845 | 66,94 | 9251166835 | 48,84 | 9251166815 | 30,84 |
| 1000 | 2,00 | 9251167895 | 133,58 | 9251167865 | 93,48 | 9251167845 | 73,48 | 9251167835 | 53,48 | 9251167815 | 33,38 |
| | | | | | | | | | | | |
| 225 | 3,00 | 9251149392 | 11,10 | 9251149362 | 7,40 | 9251149342 | 5,60 | 9251149332 | 3,70 | 9251149312 | 1,90 |
| 250 | 3,00 | 9251150392 | 11,10 | 9251150362 | 7,40 | 9251150342 | 5,60 | 9251150332 | 3,70 | 9251150312 | 1,90 |
| 275 | 3,00 | 92511589929 | 14,40 | 92511589629 | 10,80 | 92511589429 | 7,20 | 92511589329 | 5,40 | 92511589129 | 2,70 |
| 300 | 3,00 | 9251151392 | 16,10 | 9251151362 | 10,70 | 9251151342 | 8,00 | 9251151332 | 5,40 | 9251151312 | 2,70 |
| 315 | 3,00 | 9251152392 | 19,65 | 9251152362 | 12,90 | 9251152342 | 9,75 | 9251152332 | 6,60 | 9251152312 | 3,30 |
| 350 | 3,00 | 9251153392 | 22,00 | 9251153362 | 14,60 | 9251153342 | 11,00 | 9251153332 | 7,30 | 9251153312 | 3,70 |
| 400 | 3,00 | 9251154392 | 28,60 | 9251154362 | 19,10 | 9251154342 | 14,30 | 9251154332 | 9,50 | 9251154312 | 4,80 |
| 450 | 3,00 | 9251155992 | 36,40 | 9251155962 | 24,20 | 9251155942 | 18,20 | 9251155932 | 12,10 | 9251155912 | 6,10 |
| 500 | 3,00 | 9251156992 | 44,90 | 9251156962 | 29,90 | 9251156942 | 22,40 | 9251156932 | 15,00 | 9251156912 | 7,50 |
| 550 | 3,00 | 9251157992 | 54,40 | 9251157962 | 36,20 | 9251157942 | 27,20 | 9251157932 | 18,10 | 9251157912 | 9,10 |
| 600 | 3,00 | 9251158992 | 64,70 | 9251158962 | 43,20 | 9251158942 | 32,40 | 9251158932 | 21,60 | 9251158912 | 10,80 |
| 630 | 3,00 | 9251159995 | 77,48 | 9251159965 | 53,78 | 9251159945 | 41,98 | 9251159935 | 30,08 | 9251159915 | 18,28 |
| 650 | 3.00 | 9251160995 | 82,57 | 9251160965 | 57,17 | 9251160945 | 44,57 | 9251160935 | 31,87 | 9251160915 | 19,27 |
| 700 | 3,00 | 9251161995 | 95,25 | 9251161965 | 65,85 | 9251161945 | 51,15 | 9251161935 | 36,45 | 9251161915 | 21,75 |
| 750 | 3,00 | 9251162995 | 111,47 | 9251162965 | 77,67 | 9251162945 | 60,77 | 9251162935 | 43,97 | 9251162915 | 27,07 |
| 800 | 3,00 | 9251163995 | 126,01 | 9251163965 | 87,61 | 9251163945 | 68,41 | 9251163935 | 49,21 | 9251163915 | 30,01 |
| 850 | 3,00 | 9251164995 | 141,35 | 9251164965 | 98,05 | 9251164945 | 76,55 | 9251164935 | 54,85 | 9251164915 | 33,15 |
| 900 | 3,00 | 9251165995 | 158,10 | 9251165965 | 109,40 | 9251165945 | 75,10 | 9251165935 | 60,80 | 9251165915 | 36,40 |
| 950 | 3,00 | 9251166995 | 175,34 | 9251166965 | 121,14 | 9251166945 | 94,04 | 9251166935 | 66,94 | 9251166915 | 39,84 |
| 1000 | 3,00 | 9251167995 | 193,68 | 9251167965 | 133,58 | 9251167945 | 103,58 | 9251167935 | 73,48 | 9251167915 | 43,48 |

Item numbers designated with D ≤ 600 mm are for segment bends assembled with pull rings [f.lyn]. Item numbers designated with D ≥ 630 mm are for ducts with flange [m.fl]. 2 and 3 mm ducts are also available for other assembly methods. See p. 7 for assembly methods.



# 30° straight branch pieces, 2 and 3 mm



Diameter for 2 mm: ø100 - ø1000 mm.
Diameter for 3 mm: ø150 - ø1000 mm.

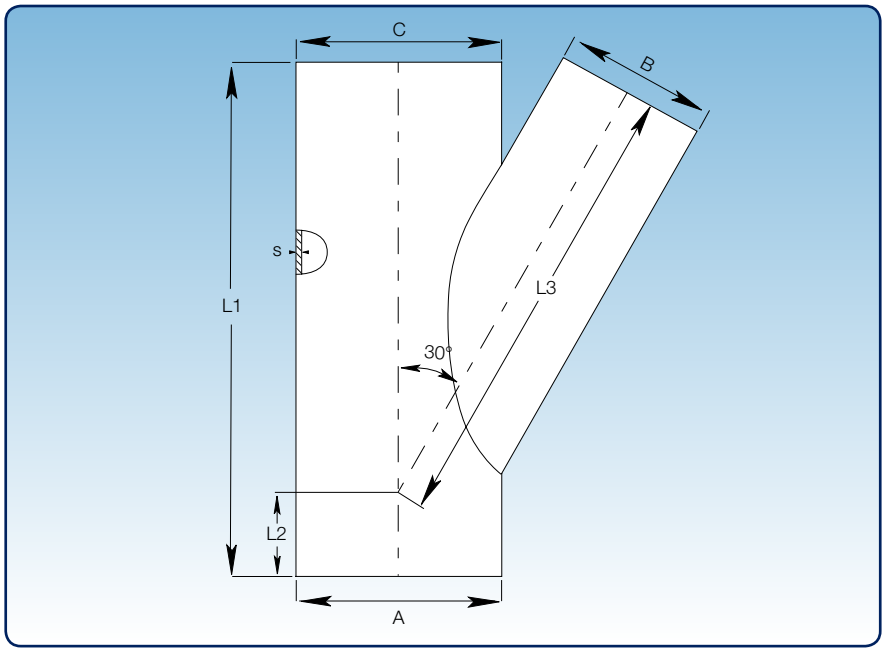
Straight branch pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). Straight branch pieces with A = C ≤ 600 mm are supplied for assembly with pull rings [f.b] and for A = C ≥ 630 mm with flanges [m.fl].
When assembled with loose flanges, [f.b.m.fl], and flanges [m.fl] L1 is extended by 2 x 50 mm.

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

$$L2 = \frac{L1}{2} - \left(\frac{A}{2 \times tg\ 30°}\right)$$

$$L3 = \frac{L1-L2}{\cos 30°} - \left(\frac{B}{2} \times tg\ 30°\right)$$

**Example:**

A = B = C = 450

L1 = 1250 mm

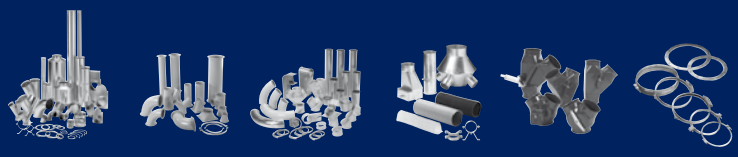
$$L2 = \frac{1250}{2} - \left(\frac{450}{tg\ 30°}\right) = 625 - 389{,}71$$

L2 = 235,29 p 235 mm

$$L3 = \frac{1250 - 235}{\cos 30°} - \left(\frac{450}{2} \times tg\ 30°\right) = 1172{,}06 - 129{,}92$$

L3 = 1042,14 p 1042 mm

| Dimensions | | | | |
|---|---|---|---|---|
| A = C mm | B mm | L1 mm | L2 mm | L3 mm |
| Select (100 - 1000) | 80 | 350 | Calculate | Calculate |
| | 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 | | |
| | 450 | 1250 | | |
| | 500 | 1250 | | |
| | 550 | 1450 | | |
| | 600 | 1450 | | |
| | 650 | 1650 | | |
| | 700 | 1650 | | |
| | 750 | 1850 | | |
| | 800 | 1850 | | |
| | 850 | 2050 | | |
| | 900 | 2050 | | |



# 45° straight branch pieces, 2 and 3 mm



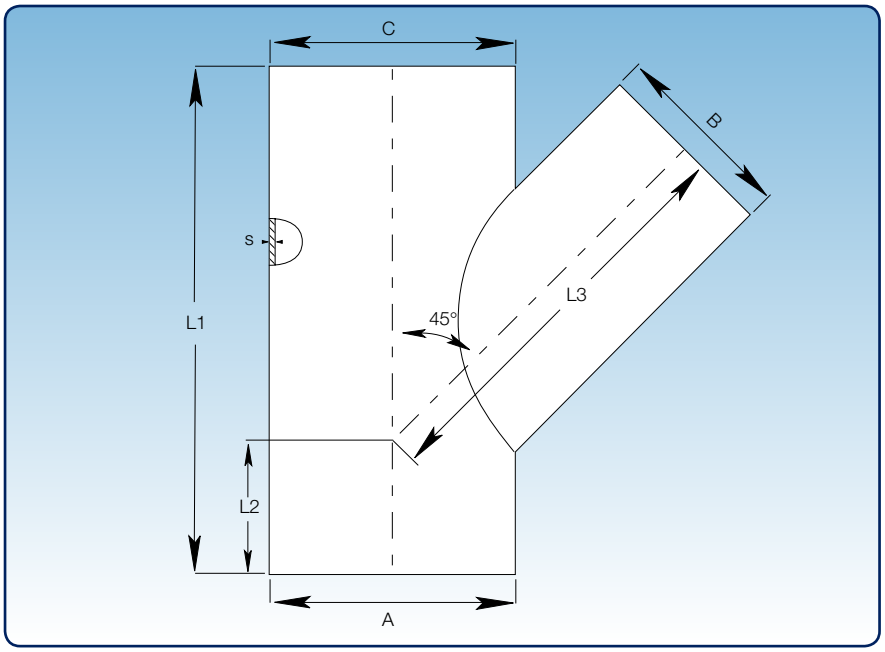
Diameter for 2 mm: ø100 - ø1000 mm.
Diameter for 3 mm: ø150 - ø1000 mm.

Straight branch pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). Straight branch pieces with A = C ≤ 600 mm are supplied for assembly with pull rings [f.b] and for A = C ≥ 630 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 ≥ 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

$$L2 = \frac{L1}{2} - \left(\frac{A}{2 \times tg\ 45°}\right)$$

$$L3 = \frac{L1-L2}{\cos 45°} - \left(\frac{B}{2} \times tg\ 45\right)$$

**Example:**

A = B = C = 600

L1 = 1150 mm

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

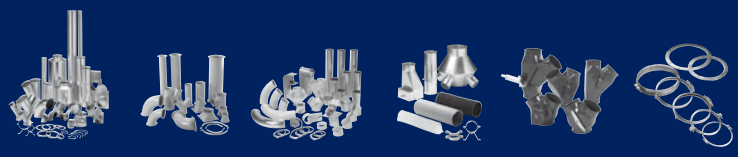
L2 = 275 mm

$$L3 = \frac{1150 - 275}{\cos 45°} - \left(\frac{600}{2} \times tg\ 45°\right)$$

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 | | |



# 30° conical branch pieces, 2 and 3 mm



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

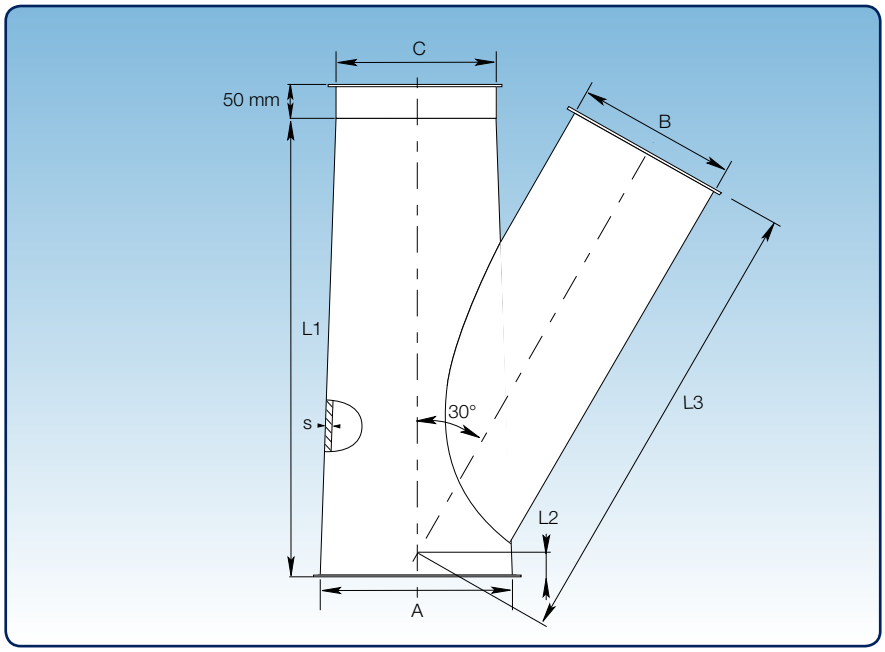
Conical branch pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). Conical branch pieces with A ≤ 600 mm are supplied for assembly with pull rings [f.b] and for A ≥ 630 mm with flanges [m.fl].

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

$$L2 = \left(\frac{L1}{2}\right) - \left(\frac{A + C}{4 \times \text{tg } 30°}\right)$$

$$L3 = \left(\frac{L1-L2}{\cos 30°}\right) - \left(\frac{B}{2} \times \text{tg } 30°\right)$$

**Example:**

A = 500, B = 300, C = 400

L1 = 750 mm

$$L2 = \frac{750}{2} - \frac{500 + 400}{4 \times \text{tg } 30°} = 375 - 389{,}71$$

L2 = - 14,71 p - 15 mm

$$L3 = \frac{750 - 15}{\cos 30°} - \left(\frac{300}{2} \times \text{tg } 30°\right) = 848{,}70 - 86{,}61$$

L3 = 762,1 p 762 mm

| Dimensions | | | | | |
|---|---|---|---|---|---|
| A mm | B mm | C mm | L1 mm | L2 mm | L3 mm |
| Select (100 - 1000) | 80 | Select (100 - 1000) | 350 | Calculate | Calculate |
| | 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 | | |
| | 450 | | 1250 | | |
| | 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



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

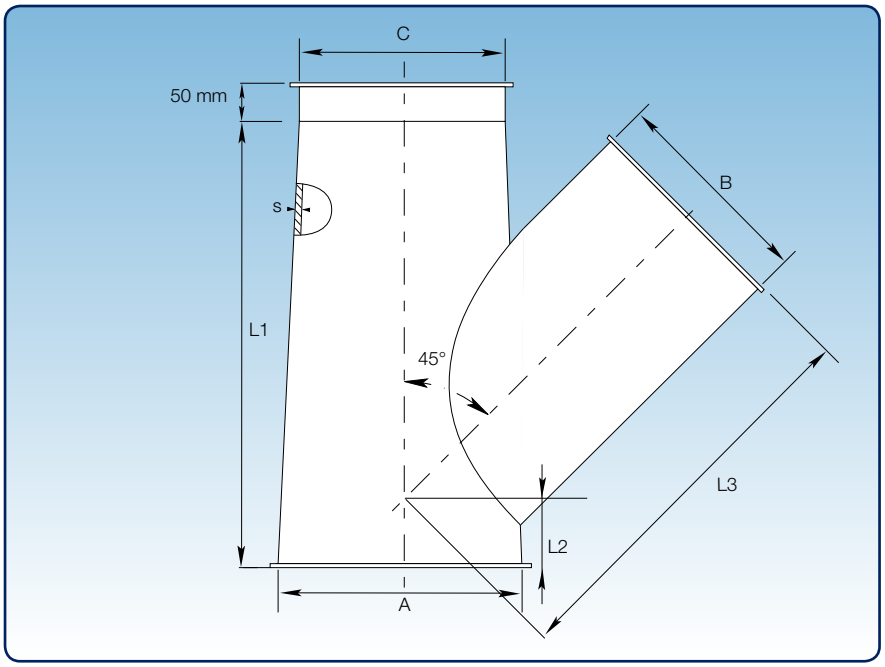
Conical branch pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). Conical branch pieces with A ≤ 600 mm are supplied for assembly with pull rings [f.b] and for A ≥ 630 mm with flanges [m.fl].

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

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

$$L3 = \left(\frac{L1\text{-}L2}{\cos 45°}\right) - \left(\frac{B}{2} \times tg\ 45°\right)$$

**Example:**

A = 650, B = 315, C = 600

L1 = 600 mm

$$L2 = \frac{600}{2} - \frac{650 + 600}{4 \times tg\ 45°} = 300 - 312{,}5$$

L2 = - 12,5 p - 13 mm

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

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 | | |

# 30° trouser pieces, 2 and 3 mm

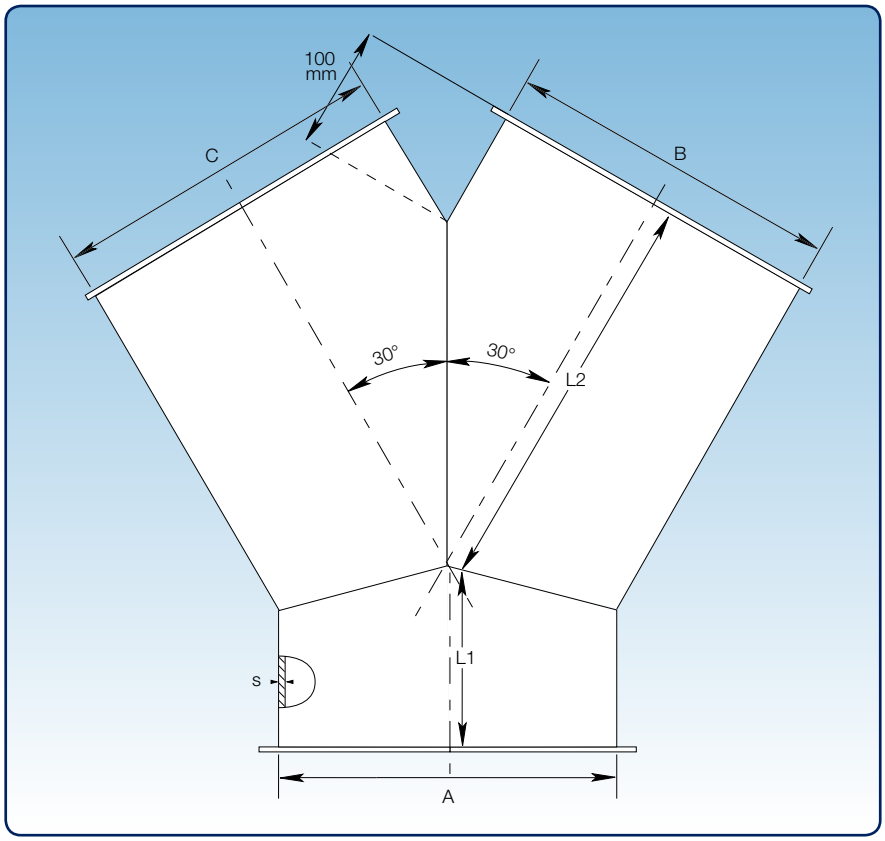


Diameter A for 2 mm: ø100 - ø1000 mm.
Diameter A for 3 mm: ø150 - ø1000 mm.

Trouser pieces are welded and made of 2.00 and 3.00 mm sheet metal (s).
Trouser pieces with A = B = C ≤ 600 mm are supplied for assembly with pull rings [f.b].
Trouser pieces with A = B = C ≥ 630 mm are supplied for assembly with flanges [m.fl].

Produced as straight trouser pieces when A=B=C.

State A, B and C dimensions when ordering.




**Calculating L1 and L2:**

L1= 0,5 × A

L2= cos 30° × A + 100

**Example:**

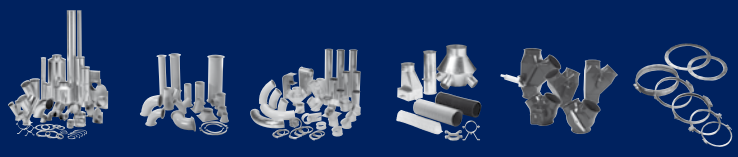
A = B = C = 350

L1 = 0,5 × 350 = 175

L1 = 175 mm

L2 = (0,866 × 350) + 100 = 403,1

L2 = 403 mm



# 90° T-pieces, 2 and 3 mm

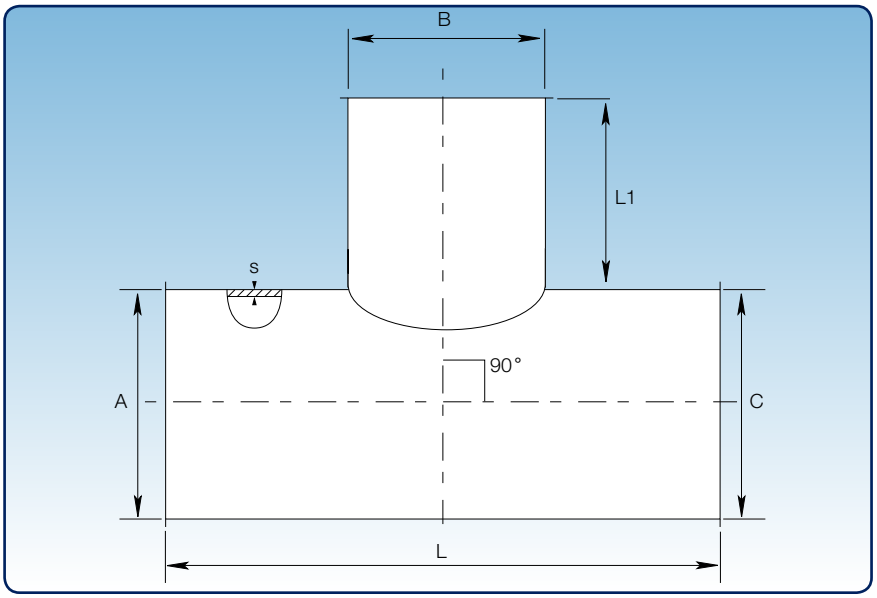


Diameter for 2 mm: ø80 – ø1000 mm.
Diameter for 3 mm: ø150 - ø1000 mm.

90° T-pieces are welded and made of 2.00 and 3.00 mm sheet metal (s). T-pieces with A = C ≤ 600 mm are supplied for assembly with pull rings [f.b]. T-pieces with A = C ≥ 630 mm are supplied with flanges [m.fl].

For dimensions: A = C ≥B.

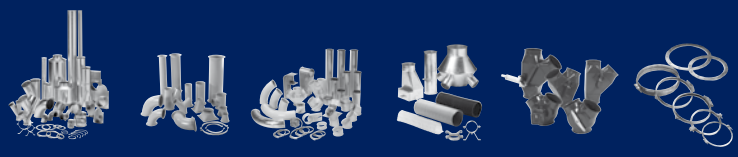
State A, B and C dimensions when ordering.




Dimensional specifications are given in the table below.

**Dimensions**

| 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 |

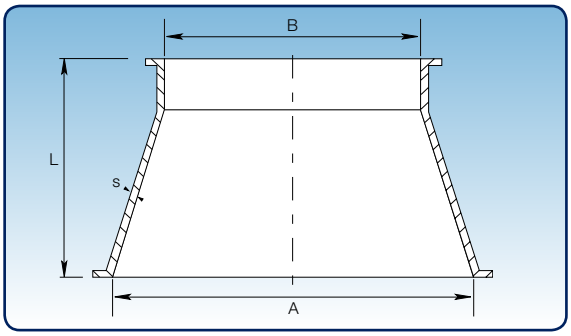


# Tapers, 2 and 3 mm



Diameter A for 2 mm: ø100 - ø1000 mm.
Diameter A for 3 mm: ø160 - ø1000 mm.

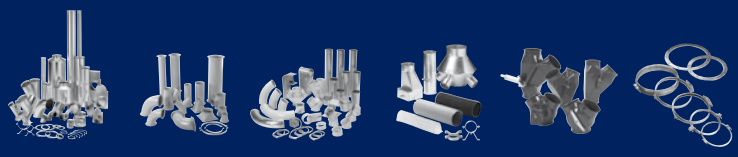
Tapers are made in standard dimensions as stated in the table. Other dimensions can be made to order. Tapers with A ≤ 600 mm are supplied as standard for assembly with pull rings [f.b]. Tapers with A ≥ 630 mm are supplied as standard with flanges [m.fl]. When ordering standard tapers, state A and B dimensions and assembly method. L will depend on the difference between A and B.




Dimensional specifications for standard tapers are given in the table below.

**Dimensions**

| Item no. | A mm | B mm | s mm | L mm | Weight kg |
|---|---|---|---|---|---|
| 9251842417 | 100 | 80 | 2,00 | 150 | 0,74 |
| 9251842428 | 120 | 100 | 2,00 | 150 | 0,89 |
| 9251844435 | 125 | 100 | 2,00 | 150 | 0,92 |
| 9251844437 | 125 | 120 | 2,00 | 150 | 0,92 |
| 9251844448 | 140 | 100 | 2,00 | 200 | 1,38 |
| 9251846454 | 150 | 100 | 2,00 | 200 | 1,48 |
| 9251846455 | 150 | 120 | 2,00 | 200 | 1,48 |
| 9251846456 | 150 | 125 | 2,00 | 150 | 1,11 |
| 9251846457 | 150 | 140 | 2,00 | 150 | 1,11 |
| 9251847464 | 160 | 100 | 2,00 | 250 | 1,97 |
| 9251847465 | 160 | 120 | 2,00 | 200 | 1,58 |
| 9251847466 | 160 | 125 | 2,00 | 200 | 1,58 |
| 9251847467 | 160 | 150 | 2,00 | 150 | 1,18 |
| 9251847468 | 160 | 140 | 2,00 | 150 | 1,18 |
| 9251848475 | 180 | 100 | 2,00 | 300 | 1,84 |
| 9251848476 | 180 | 125 | 2,00 | 250 | 1,68 |
| 9251848477 | 180 | 150 | 2,00 | 200 | 1,57 |
| 9251849482 | 200 | 100 | 2,00 | 300 | 1,98 |
| 9251849483 | 200 | 125 | 2,00 | 250 | 1,79 |
| 9251849484 | 200 | 140 | 2,00 | 250 | 1,88 |
| 9251849485 | 200 | 150 | 2,00 | 200 | 1,65 |
| 9251849486 | 200 | 160 | 2,00 | 200 | 1,68 |
| 9251849487 | 200 | 180 | 2,00 | 150 | 1,36 |
| 9251850496 | 225 | 180 | 2,00 | 150 | 1,66 |
| 9251850497 | 225 | 200 | 2,00 | 200 | 2,22 |
| 9251851399 | 250 | 150 | 2,00 | 300 | 3,70 |
| 9251851401 | 250 | 160 | 2,00 | 300 | 3,70 |
| 9251851403 | 250 | 180 | 2,00 | 250 | 3,08 |
| 9251851405 | 250 | 200 | 2,00 | 200 | 2,47 |
| 9251851407 | 250 | 225 | 2,00 | 150 | 1,85 |
| 9251852110 | 275 | 250 | 2,00 | 150 | 2,03 |
| 9251852111 | 275 | 225 | 2,00 | 200 | 2,71 |
| 9251852112 | 275 | 200 | 2,00 | 250 | 3,39 |
| 9251852415 | 300 | 200 | 2,00 | 300 | 4,44 |
| 9251852416 | 300 | 225 | 2,00 | 250 | 3,70 |
| 9251852417 | 300 | 250 | 2,00 | 200 | 2,96 |
| 9251852418 | 300 | 275 | 2,00 | 150 | 2,22 |
| 9251853426 | 315 | 300 | 2,00 | 150 | 2,33 |
| 9251853427 | 315 | 275 | 2,00 | 200 | 3,11 |
| 9251853428 | 315 | 250 | 2,00 | 250 | 3,88 |
| 9251854435 | 350 | 250 | 2,00 | 300 | 5,18 |
| 9251854436 | 350 | 275 | 2,00 | 200 | 3,45 |
| 9251854437 | 350 | 300 | 2,00 | 250 | 4,32 |
| 9251855445 | 400 | 315 | 2,00 | 300 | 5,92 |
| 9251855446 | 400 | 350 | 2,00 | 300 | 5,92 |
| 9251855447 | 400 | 300 | 2,00 | 250 | 4,93 |



# Tapers, 2 and 3 mm

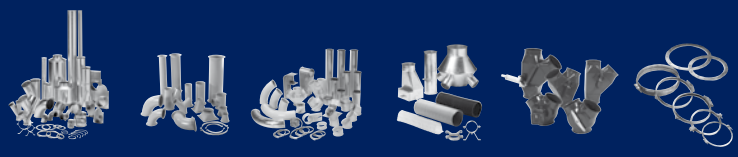


**Dimensions**

| Item no. | A mm | B mm | s mm | L mm | Weight kg |
|---|---|---|---|---|---|
| 9251856458 | 450 | 350 | 2,00 | 200 | 4,44 |
| 9251857466 | 500 | 450 | 2,00 | 300 | 6,66 |
| 9251857467 | 450 | 400 | 2,00 | 200 | 4,93 |
| 9251857468 | 500 | 400 | 2,00 | 300 | 7,40 |
| 9251858478 | 550 | 450 | 2,00 | 300 | 8,14 |
| 9251859488 | 600 | 500 | 2,00 | 300 | 8,88 |
| 9251860498 | 630 | 550 | 2,00 | 300 | 14,82 |
| 9251861408 | 650 | 550 | 2,00 | 300 | 15,17 |
| 9251862418 | 700 | 600 | 2,00 | 300 | 17,38 |
| 9251863428 | 750 | 650 | 2,00 | 300 | 19,94 |
| 9251864438 | 800 | 700 | 2,00 | 300 | 11,84 |
| 9251865448 | 850 | 750 | 2,00 | 300 | 21,71 |
| 9251866458 | 900 | 800 | 2,00 | 300 | 23,63 |
| 9251867458 | 950 | 850 | 2,00 | 300 | 24,97 |
| 9251868458 | 1000 | 900 | 2,00 | 300 | 26,30 |
| 9251846760 | 160 | 150 | 3,00 | 150 | 1,78 |
| 9251849780 | 200 | 150 | 3,00 | 200 | 2,66 |
| 9251849781 | 200 | 160 | 3,00 | 200 | 2,74 |
| 9251849782 | 200 | 180 | 3,00 | 150 | 2,16 |
| 9251850796 | 225 | 180 | 3,00 | 200 | 3,03 |
| 9251850797 | 225 | 200 | 3,00 | 150 | 2,39 |
| 9251851706 | 250 | 225 | 3,00 | 150 | 2,66 |
| 9251851707 | 250 | 200 | 3,00 | 200 | 3,48 |
| 9251852210 | 275 | 250 | 3,00 | 150 | 3,00 |
| 9251852211 | 275 | 225 | 3,00 | 200 | 3,11 |
| 9251852715 | 300 | 200 | 3,00 | 300 | 5,77 |
| 9251852717 | 300 | 250 | 3,00 | 200 | 4,14 |
| 9251852718 | 300 | 275 | 3,00 | 150 | 3,22 |
| 9251853727 | 315 | 275 | 3,00 | 200 | 4,44 |
| 9251853728 | 315 | 300 | 3,00 | 150 | 3,44 |
| 9251854735 | 350 | 300 | 3,00 | 200 | 4,88 |
| 9251854736 | 350 | 315 | 3,00 | 200 | 5,03 |
| 9251855748 | 400 | 350 | 3,00 | 200 | 5,62 |
| 9251856758 | 450 | 400 | 3,00 | 200 | 6,36 |
| 9251857767 | 500 | 400 | 3,00 | 300 | 10,21 |
| 9251857768 | 500 | 450 | 3,00 | 200 | 7,10 |
| 9251858778 | 550 | 450 | 3,00 | 300 | 11,32 |
| 9251859788 | 600 | 500 | 3,00 | 300 | 12,43 |
| 9251860798 | 630 | 550 | 3,00 | 300 | 18,60 |
| 9251861708 | 650 | 550 | 3,00 | 300 | 19,09 |
| 9251862718 | 700 | 600 | 3,00 | 300 | 21,67 |
| 9251883728 | 750 | 650 | 3,00 | 300 | 24,60 |
| 9251864738 | 800 | 700 | 3,00 | 300 | 26,00 |
| 9251865748 | 850 | 750 | 3,00 | 300 | 27,71 |
| 9251866758 | 900 | 800 | 3,00 | 300 | 29,40 |
| 9251867758 | 950 | 850 | 3,00 | 300 | 31,11 |
| 9251868758 | 1000 | 900 | 3,00 | 300 | 32,81 |

Specifications for relationship between diameter (A - B) and length (L) for non-standard tapers. Length L will depend on the difference between A and B. Please state A, B and L measurements when ordering.

| A - B [mm] | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L [mm] | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |



# Transition pieces, 2 and 3 mm



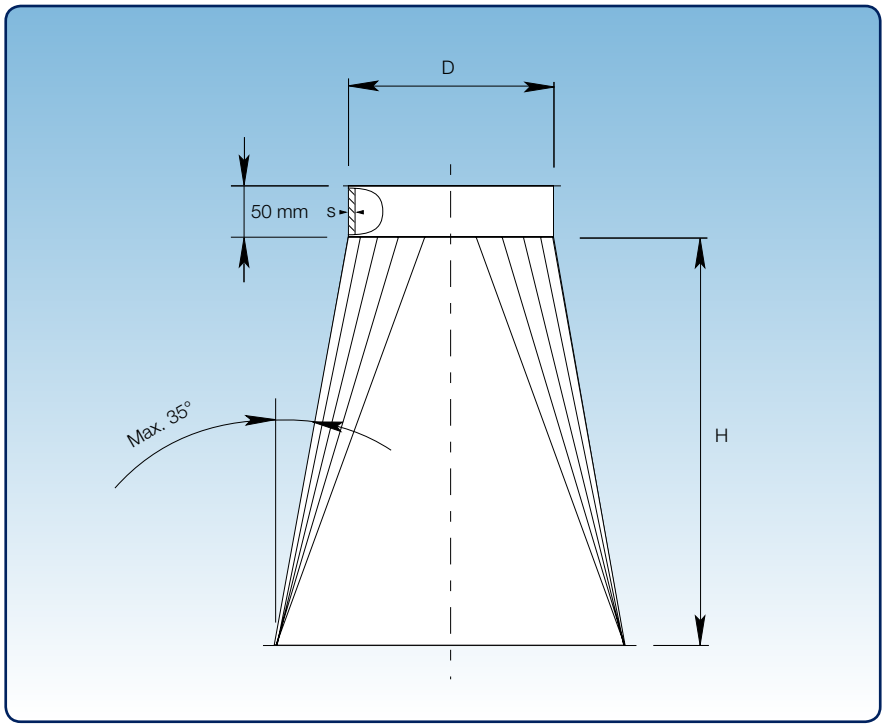
Diameter D for 2 mm: ø120 - ø1000 mm.
Diameter D for 3 mm: ø150 - ø1000 mm.

Transition pieces are made of 2.00 and 3.00 mm sheet metal (s).

Transition pieces with D ≤ 600 mm are supplied as standard for assembly with pull rings [f.b]. Transition pieces with D ≥ 650 mm are supplied with flanges [m.fl].

State dimensions for BU × LU and D plus assembly method when ordering (p. 7).

Can be made to order in other dimensions. Also available in asymmetric format.




**Calculating H:**

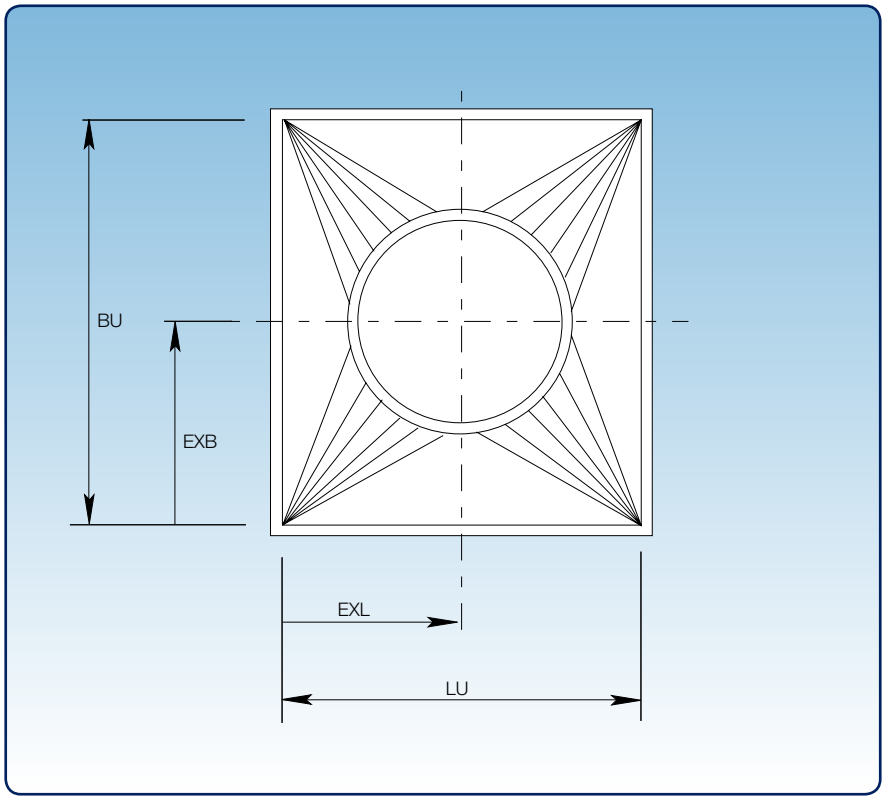
H = 240 + 0,5 × (max. value of LU – D)
or (BU – D)

**Example:**

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

H = 240 + (0,5 × 250) = 240 + 125

H = 365 mm



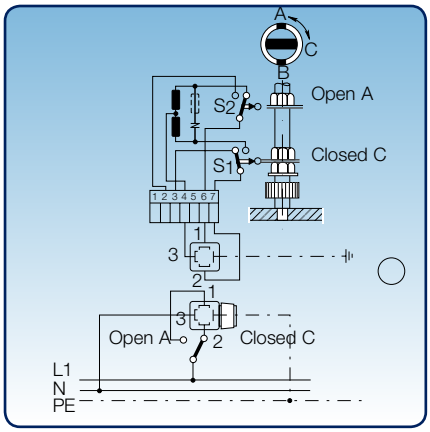
# Automation for sliding dampers, throttle valves and diverters



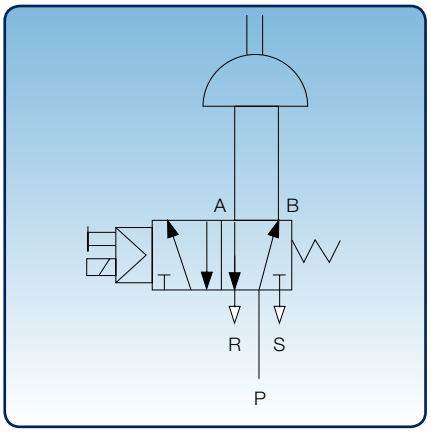
The circuit diagrams shown apply to standard systems for sliding dampers, diverters and throttle valves.

These systems are valid for pneumatic connection of max. 6 bar and mains connection of 230 V AC.
Systems with other voltage ratings can be supplied.

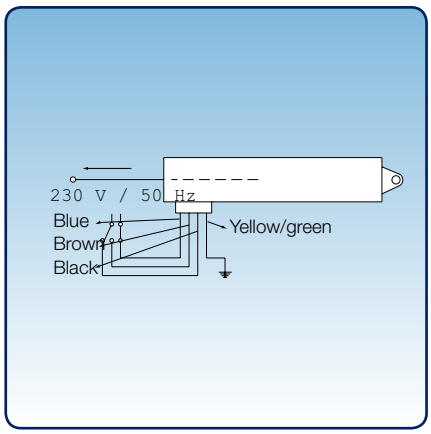
Relevant circuit diagrams can be supplied for other voltages.



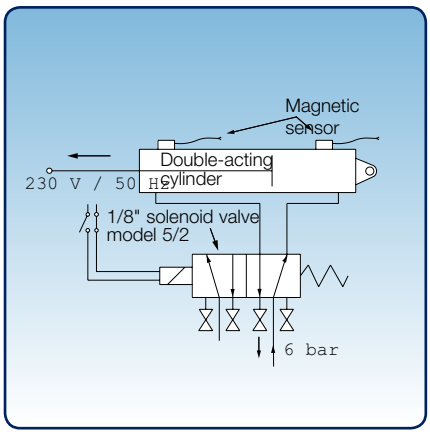

Circuit diagram for electrical motor for diverters, pressed, diameter: ø100 - ø300 mm.



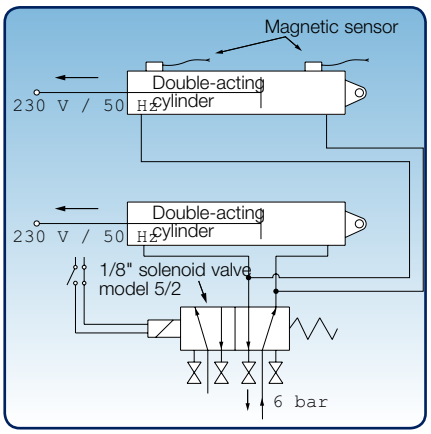

Circuit diagram for pneumatic actuator for diverters, pressed, diameter: ø100 - ø300 mm and throttle valves, diameter: ø80 - ø400 mm.



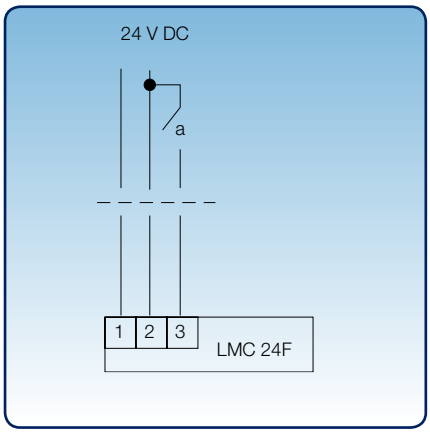

Circuit diagram for electrical cylinder for diverters, welded, diameter: ø80 - ø550 mm and sliding damper standard, diameter: ø80 - ø275 mm.



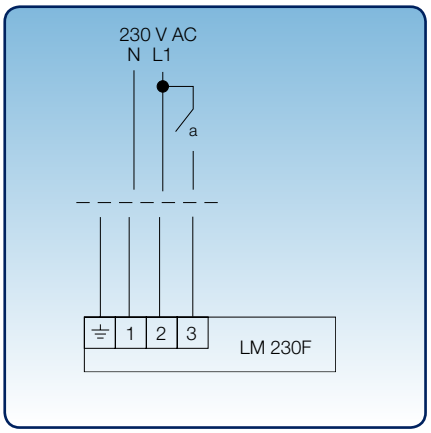

Circuit diagram for pneumatic cylinder for diverters, welded, diameter: ø80 - ø550 mm and sliding damper standard, diameter: ø80 - ø550 mm.



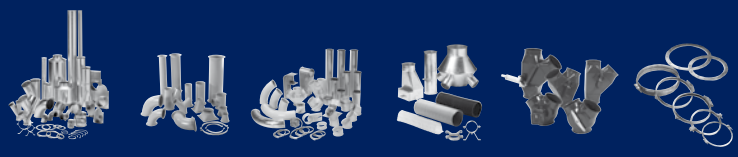

Circuit diagram for 2 pneumatic cylinders for tight sliding dampers, diameter: ø80 - ø550 mm.




Circuit diagram for 24 V DC electric motor for throttle valves.

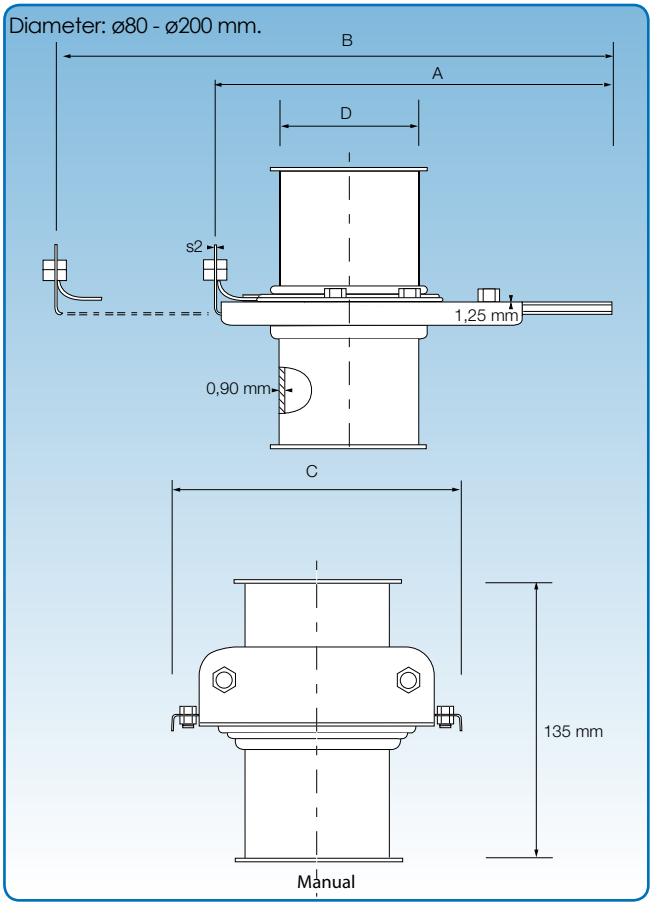



Circuit diagram for 230 V AC electric motor for throttle valves.

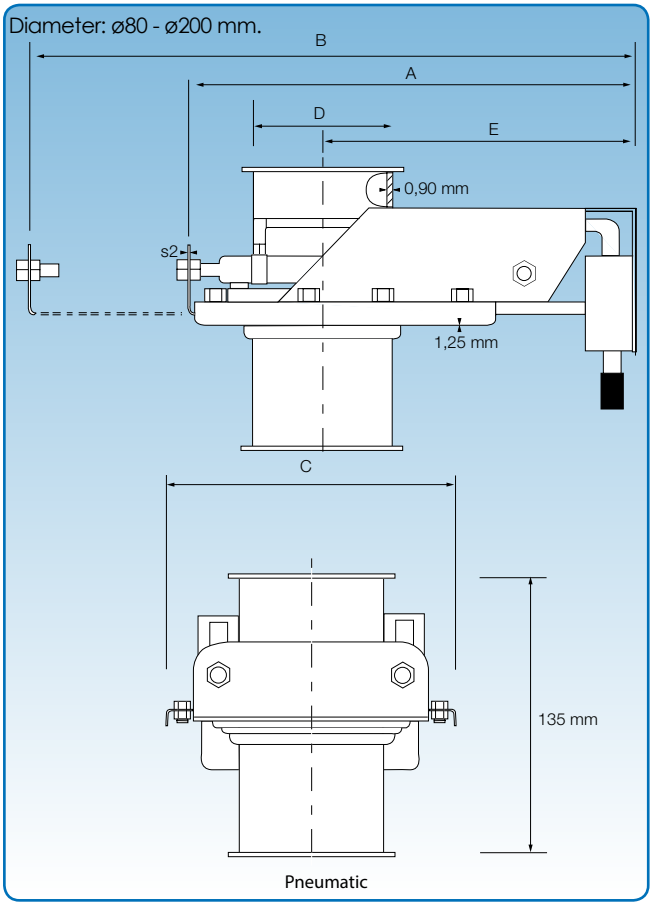


# Tight sliding dampers, galvanised, manual & pneumatic






Dimensional specifications are given in the table below.




Dimensional specifications are given in the table below.

General
Sliding dampers are made of form-pressed half-parts, in 1.25 mm galvanised sheet metal.
The damper plate slides in the polyether and PEHD gaskets to ensure optimum tightness.

With pneumatic actuator
The pneumatic damper is fitted with 2 pneumatic cylinders running in parallel.
Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar.

**Dimensions**

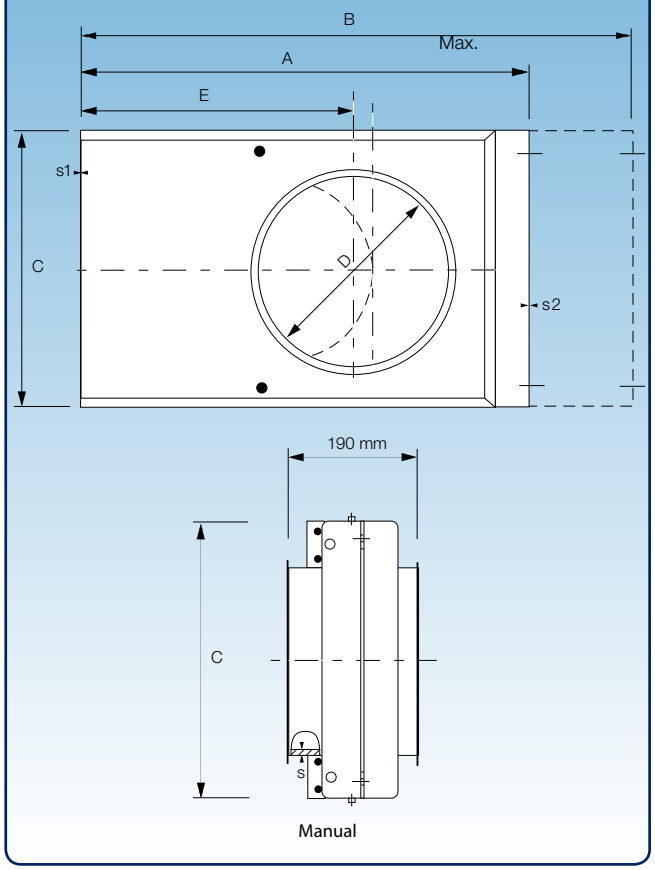
| Item no. (Man.) | Item no. (Pneu.) | D mm | s2 mm | A (Man.) mm | A (Pneu.) mm | B (Man.) mm | B (Pneu.) mm | C mm | E mm | Weight (Man.) kg | Weight (Pneu.) kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9251410112 | 9251410412 | 80 | 1,50 | 225 | 260 | 320 | 355 | 160 | 190 | 1,20 | 2,30 |
| 9251411112 | 9251411412 | 100 | 1,50 | 265 | 305 | 380 | 415 | 190 | 225 | 1,50 | 3,80 |
| 9251412112 | 9251412412 | 120 | 2,00 | 325 | 360 | 460 | 500 | 215 | 260 | 2,10 | 3,60 |
| 9251413112 | 9251413412 | 125 | 2,00 | 325 | 360 | 460 | 500 | 215 | 260 | 2,10 | 3,60 |
| 9251414112 | 9251414412 | 140 | 2,00 | 375 | 415 | 540 | 580 | 240 | 300 | 2,90 | 3,80 |
| 9251415112 | 9251415412 | 150 | 2,00 | 375 | 415 | 540 | 580 | 240 | 300 | 2,90 | 4,40 |
| 9251416112 | 9251416412 | 160 | 2,00 | 405 | 445 | 585 | 620 | 250 | 325 | 3,20 | 4,90 |
| 9251418112 | 9251418412 | 180 | 2,00 | 455 | 495 | 655 | 695 | 290 | 355 | 4,10 | 6,00 |
| 9251420112 | 9251420412 | 200 | 2,00 | 485 | 525 | 705 | 745 | 300 | 385 | 4,40 | 6,30 |

The item numbers stated are for sliding dampers assembled using pull rings [f.b].
Sliding dampers are also available for other assembly methods. See p. 6 for assembly methods.

# Tight sliding dampers, galvanised, manual & pneumatic



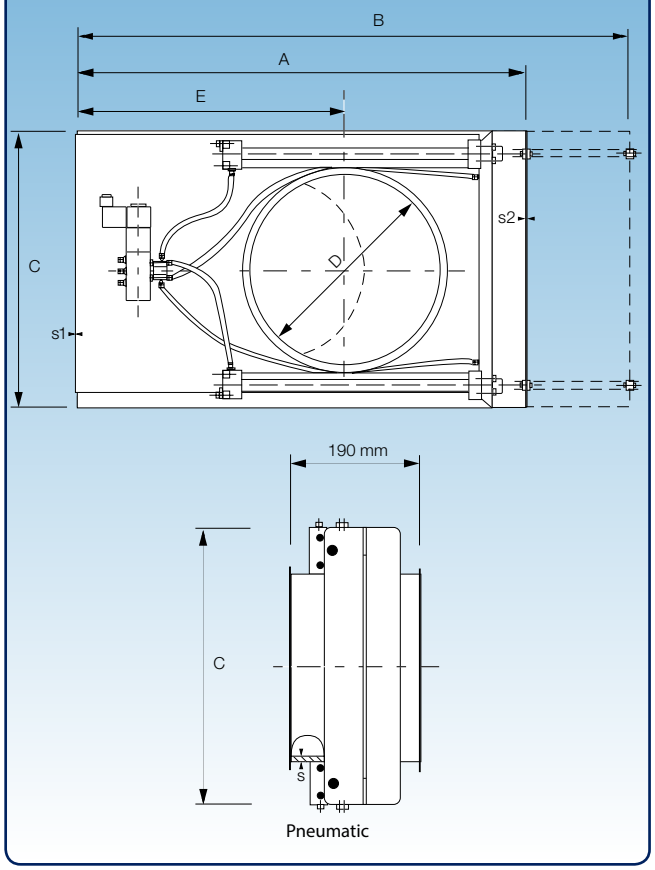
Diameter: ø225 - ø550 mm.




Manual

Dimensional specifications are given in the table below.

Diameter: ø225 - ø550 mm.




Pneumatic

Dimensional specifications are given in the table below.

**General**

Sliding dampers are made of 1.50 mm, 2.00 mm and 2.50 mm galvanised sheet metal (s).
The damper plate slides in the polyether and PEHD gaskets to ensure optimum tightness.

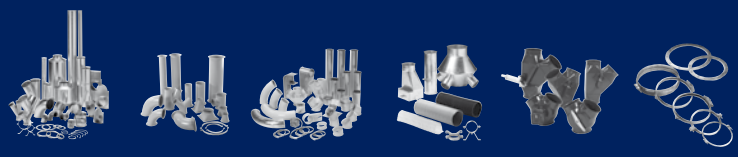
**With pneumatic actuator**

The pneumatic damper is fitted with 2 pneumatic cylinders running in parallel.
Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar.

**Dimensions**

| Item no. (Man.) | Item no. (Pneu.) | D mm | s mm | s1 mm | s2 mm | A mm | B max. mm | C mm | E mm | Weight (Man.) kg | Weight (Pneu.) kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9251422112 | 9251422412 | 225 | 1,50 | 1,50 | 2,50 | 580 | 830 | 360 | 390 | 10,70 | 13,40 |
| 9251425112 | 9251425412 | 250 | 1,50 | 1,50 | 2,50 | 660 | 960 | 385 | 455 | 14,00 | 15,00 |
| 9251427112 | 9251427412 | 275 | 2,00 | 2,00 | 3,00 | 680 | 980 | 410 | 465 | 17,60 | 19,78 |
| 9251430112 | 9251430412 | 300 | 2,00 | 2,00 | 3,00 | 725 | 1045 | 435 | 495 | 18,90 | 21,00 |
| 9251431112 | 9251431412 | 315 | 2,00 | 2,00 | 3,00 | 855 | 1255 | 485 | 600 | 25,40 | 27,90 |
| 9251435112 | 9251435412 | 350 | 2,00 | 2,00 | 3,00 | 855 | 1255 | 485 | 600 | 24,60 | 26,00 |
| 9251440112 | 9251440412 | 400 | 2,00 | 2,50 | 3,00 | 1005 | 1505 | 545 | 725 | 35,60 | 36,84 |
| 9251445112 | 9251445412 | 450 | 2,00 | 2,50 | 3,00 | 1055 | 1555 | 595 | 750 | 40,60 | 44,60 |
| 9251450112 | 9251450412 | 500 | 2,00 | 3,00 | 3,00 | 1140 | 1670 | 645 | 805 | 50,50 | 56,20 |
| 9251455112 | 9251455412 | 550 | 2,00 | 3,00 | 3,00 | 1301 | 1901 | 691 | 915 | 60,70 | 65,30 |

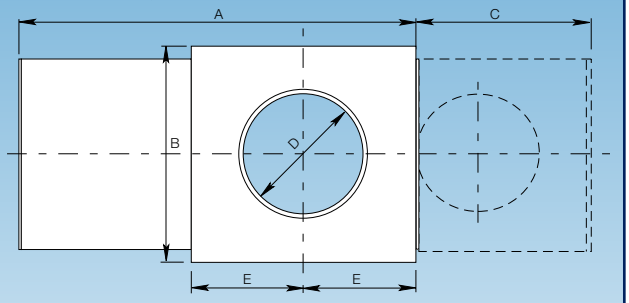
The item numbers stated are for sliding dampers assembled using pull rings [f.b].
Sliding dampers are also available for other assembly methods. See p. 6 for assembly methods.



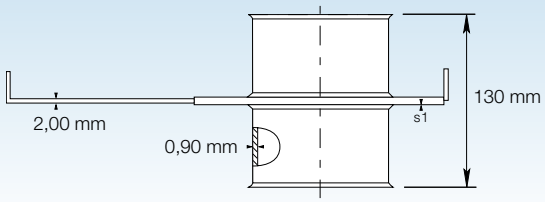
# Sliding dampers, galvanised, manual



Diameter: ø80 - ø500 mm.




Dimensional specifications for diameter (D) are given in the table below.




Dimensional specifications for integration length (L) are given in the table below.

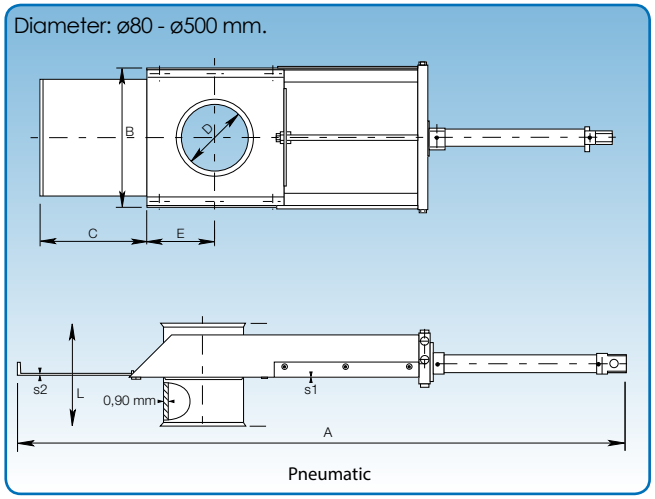
Sliding dampers are made of 1.25 and 1.50 mm galvanised sheet metal with a damper of 2.00 mm galvanised sheet metal.

| | Dimensions | | | | | | |
|---|---|---|---|---|---|---|---|
| Item no. (Man.) | D mm | s1 mm | A mm | B mm | C mm | E mm | Weight kg |
| 9251470112 | 80 | 1,25 | 255 | 145 | 105 | 75 | 1,10 |
| 9251471112 | 100 | 1,25 | 340 | 185 | 150 | 95 | 1,60 |
| 9251472112 | 120 | 1,25 | 340 | 185 | 150 | 95 | 1,70 |
| 9251473112 | 125 | 1,25 | 340 | 185 | 150 | 95 | 1,80 |
| 9251474112 | 140 | 1,25 | 405 | 225 | 175 | 115 | 2,40 |
| 9251475112 | 150 | 1,25 | 405 | 225 | 175 | 115 | 2,30 |
| 9251476112 | 160 | 1,25 | 405 | 225 | 175 | 115 | 2,30 |
| 9251477112 | 180 | 1,25 | 525 | 295 | 225 | 150 | 3,80 |
| 9251478112 | 200 | 1,25 | 525 | 295 | 225 | 150 | 4,00 |
| 9251479112 | 225 | 1,50 | 590 | 325 | 270 | 160 | 4,60 |
| 9251480112 | 250 | 1,50 | 650 | 350 | 300 | 175 | 5,20 |
| 9251480142 | 275 | 1,50 | 705 | 380 | 325 | 190 | 6,40 |
| 9251481112 | 300 | 1,50 | 755 | 400 | 345 | 205 | 6,50 |
| 9251481142 | 315 | 1,50 | 785 | 420 | 365 | 210 | 7,00 |
| 9251482112 | 350 | 1,50 | 885 | 450 | 435 | 200 | 7,60 |
| 9251483112 | 400 | 1,50 | 960 | 500 | 460 | 250 | 9,30 |
| 9251485112 | 450 | 1,50 | 1050 | 550 | 500 | 275 | 10,70 |
| 9251486112 | 500 | 1,50 | 1160 | 600 | 550 | 300 | 14,10 |

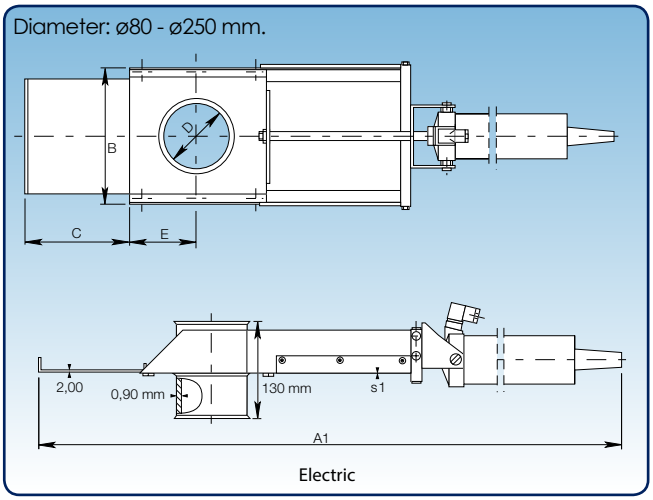
The item numbers stated are for sliding dampers assembled using pull rings [f.b].
Sliding dampers are also available for other assembly methods. See p. 6 for assembly methods.

# Sliding dampers, galvanised, pneumatic and electric






Dimensional specifications for integration length (L) are given in the table below.




Dimensional specifications for integration length (L) are given in the table below.

**General**

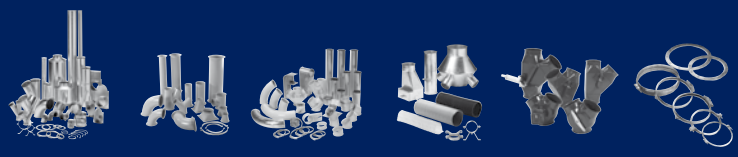
Sliding dampers are made of 0.90 mm galvanised sheet metal (s) with a damper of 2.00 mm galvanised sheet metal (s2).
Pneumatic pressure: 4-6 bar.
Damper is fitted with a pneumatic cylinder.
Solenoid and setting switches for position indication available as optional extras.

**With electric actuator**

Damper fitted with a 230 V AC - 50 Hz electric shaft motor.

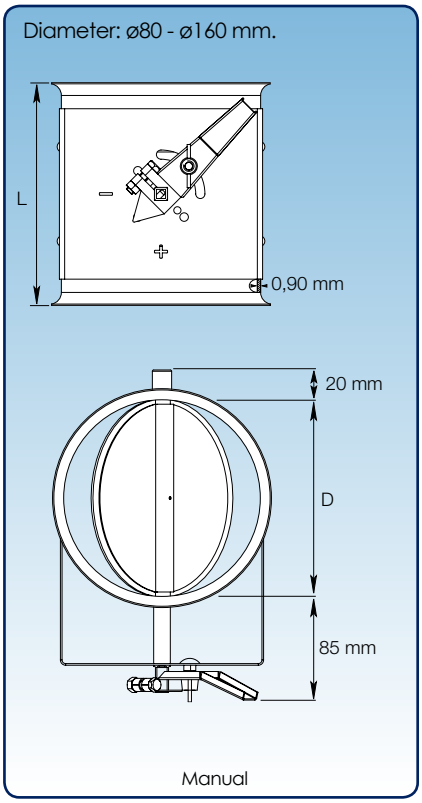
| Dimensions | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no. (Pneu.) | Item no. (Elec.) | D mm | s1 mm | A mm | A1 mm | B mm | C mm | C1 mm | E mm | Weight (Pneu.) kg | Weight (Elec.) kg |
| 9251470512 | 9251470312 | 80 | 1,25 | 550 | 700 | 145 | 105 | 100 | 75 | 3,24 | 5,20 |
| 9251471512 | 9251471312 | 100 | 1,25 | 800 | 865 | 185 | 150 | 160 | 95 | 4,19 | 6,20 |
| 9251472512 | 9251472312 | 120 | 1,25 | 800 | 865 | 185 | 150 | 160 | 95 | 4,51 | 6,43 |
| 9251473512 | 9251473312 | 125 | 1,25 | 800 | 865 | 185 | 150 | 160 | 95 | 4,51 | 6,27 |
| 9251474512 | 9251474312 | 140 | 1,25 | 975 | 980 | 225 | 175 | 200 | 115 | 5,46 | 7,41 |
| 9251475512 | 9251470312 | 150 | 1,25 | 975 | 980 | 225 | 175 | 200 | 115 | 5,50 | 5,50 |
| 9251476512 | 9251476312 | 160 | 1,25 | 975 | 980 | 225 | 175 | 200 | 115 | 5,70 | 7,50 |
| 9251477512 | 9251477312 | 180 | 1,25 | 1180 | 1250 | 295 | 225 | 250 | 150 | 8,10 | 9,40 |
| 9251478512 | 9251478312 | 200 | 1,25 | 1180 | 1250 | 295 | 225 | 250 | 150 | 8,60 | 9,70 |
| 9251479512 | 9251479312 | 225 | 1,50 | 1365 | 1370 | 325 | 270 | 300 | 160 | 9,50 | 10,60 |
| 9251480512 | 9251480312 | 250 | 1,50 | 1390 | 1400 | 350 | 300 | 300 | 175 | 10,90 | 11,40 |
| 9251480262 | - | 275 | 1,50 | 1725 | - | 380 | 325 | - | 190 | 12,77 | - |
| 9251481512 | - | 300 | 1,50 | 1750 | - | 400 | 345 | - | 205 | 14,40 | - |
| 9251481442 | - | 315 | 1,50 | 1770 | - | 420 | 365 | - | 210 | 14,90 | - |
| 9251482512 | - | 350 | 1,50 | 2000 | - | 450 | 435 | - | 200 | 16,90 | - |
| 9251483512 | - | 400 | 1,50 | 2150 | - | 500 | 460 | - | 250 | 19,60 | - |
| 9251485512 | - | 450 | 1,50 | 2225 | - | 550 | 500 | - | 275 | 23,90 | - |
| 9251486512 | - | 500 | 1,50 | 2575 | - | 600 | 550 | - | 300 | 27,80 | - |

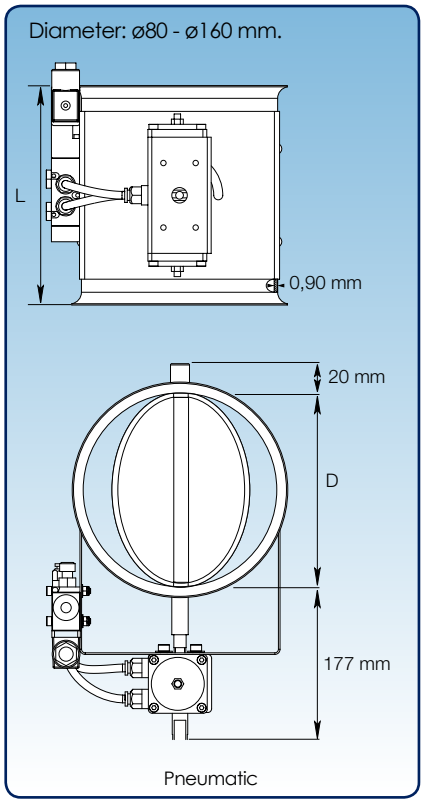
The item numbers stated are for sliding dampers assembled using pull rings [f.b].
Sliding dampers are also available for other assembly methods. See p. 6 for assembly methods.

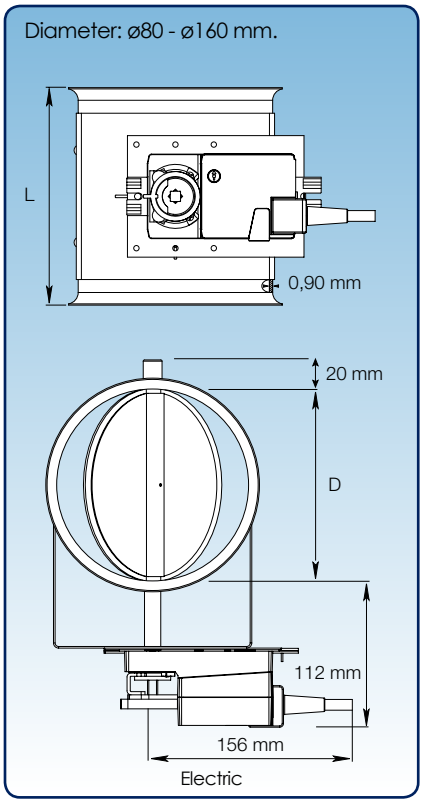


# Throttle valves, galvanised, manual, pneumatic and electric






**General**
Galvanised throttle valves are made of 0.90 mm sheet metal and damper in double sheet. Throttle handle indicates damper position, and can be variably set between open and closed.
Available with natural rubber gasket.
Maximum closure 96%.
Larger throttle valves can be supplied upon request.

**With pneumatic actuator**
The damper is turned by a pneumatic actuator controlled by an electrically-operated valve.
Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar.
Valve setting indicators are available as an optional extra. Solenoid included as standard.

**With electric actuator**
The damper is operated by an electric motor activated by a changeover switch.
Valve setting indicators are available as an optional extra.
Electrical connection: 230 V AC - 50 Hz or 24 V DC.

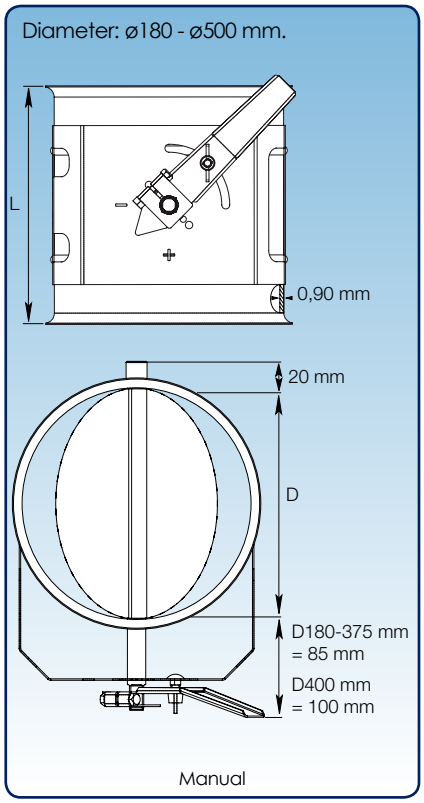
**Dimensions**

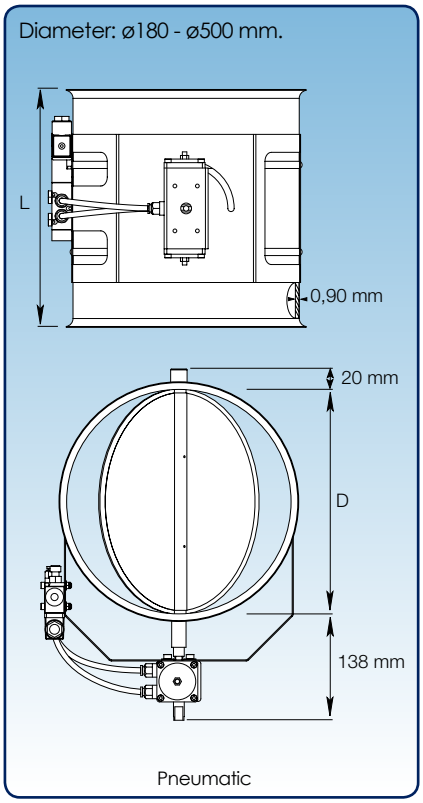
| Item no. (Man.) | Item no. (Pneu.) | Item no. (Elec.) | D mm | L mm | Weight (Man.) kg | Weight (Pneu.) kg | Weight (Elec.) kg |
|---|---|---|---|---|---|---|---|
| 9251510112 | 9251510412 | 9251510312 | 80 | 125 | 0,65 | 1,90 | 1,60 |
| 9251511112 | 9251511412 | 9251511312 | 100 | 125 | 0,75 | 2,00 | 1,70 |
| 9251512112 | 9251512412 | 9251512312 | 120 | 135 | 0,90 | 2,15 | 1,85 |
| 9251513112 | 9251513412 | 9251513312 | 125 | 135 | 0,95 | 2,20 | 1,90 |
| 9251514112 | 9251514412 | 9251514312 | 140 | 170 | 1,15 | 2,40 | 2,10 |
| 9251515112 | 9251515412 | 9251515312 | 150 | 170 | 1,25 | 2,50 | 2,20 |
| 9251516112 | 9251516412 | 9251516312 | 160 | 170 | 1,35 | 2,60 | 2,30 |

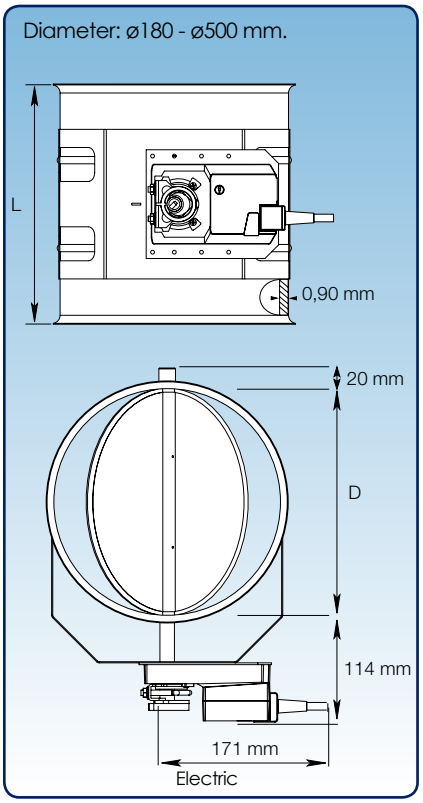
The item numbers stated are for throttle valves assembled using pull rings [f.b].
Throttle valves are also available for other assembly methods. See p. 6 for assembly methods.

# Throttle valves, galvanised, manual, pneumatic and electric






**General**
Throttle valves are made of 0.90 mm sheet metal and damper in double sheet.
Throttle handle indicates damper position, and can be variably set between open and closed. Available with natural rubber gasket. Maximum closure 96%.
Larger throttle valves can be supplied upon request.

**With pneumatic actuator**
The damper is turned by a pneumatic actuator controlled by an electrically-operated valve.
Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar.
Valve setting indicators are available as an optional extra. Larger throttle valves can be made to order.

**With electric actuator**
The damper is operated by an electric motor activated by a changeover switch.
Valve setting indicators are available as an optional extra.
Electrical connection: 230 V AC - 50 Hz or 24 V DC.
Larger throttle valves can be made to order.

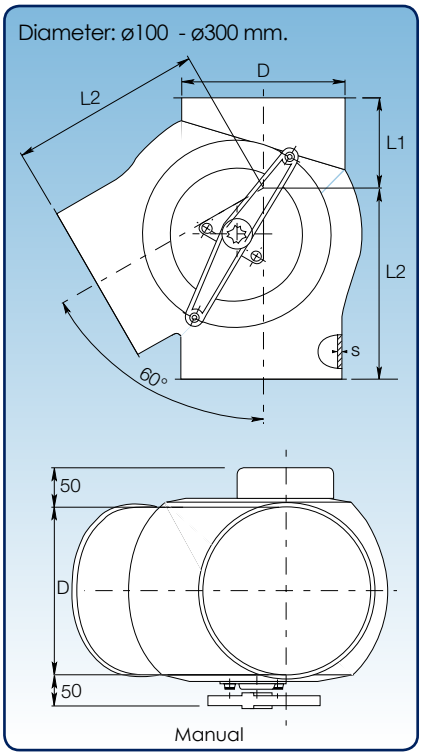
**Dimensions**

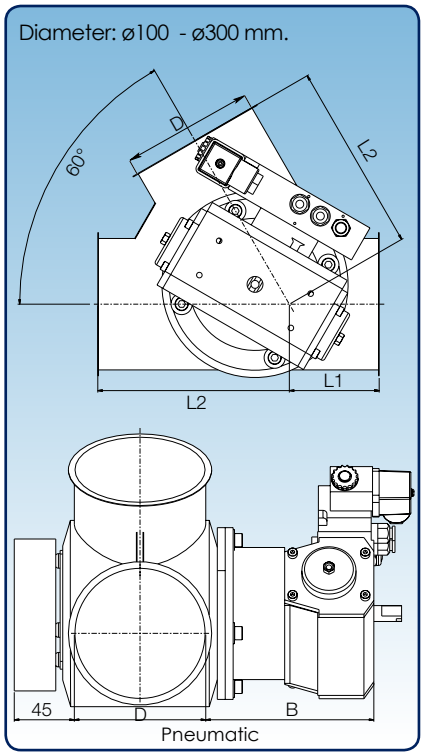
| Item no. (Man.) | Item no. (Pneu.) | Item no. (Elec.) | D mm | L mm | Weight (Man.) kg | Weight (Pneu.) kg | Weight (Elec.) kg |
|---|---|---|---|---|---|---|---|
| 9251517112 | 9251517412 | 9251517312 | 180 | 210 | 1,90 | 2,85 | 3,55 |
| 9251518112 | 9251518412 | 9251518312 | 200 | 210 | 2,20 | 3,15 | 3,85 |
| 9251519112 | 9251519412 | 9251519312 | 225 | 240 | 2,55 | 3,60 | 4,20 |
| 9251520112 | 9251520412 | 9251520312 | 250 | 265 | 3,05 | 4,00 | 5,05 |
| 9251520612 | 9251520812 | 9251520712 | 275 | 290 | 3,50 | 4,50 | 5,50 |
| 9251521112 | 9251521412 | 9251521312 | 300 | 315 | 4,30 | 5,20 | 6,30 |
| 9251521612 | 9251521812 | 9251521712 | 315 | 330 | 4,30 | 5,50 | 6,50 |
| 9251522112 | 9251522412 | 9251522312 | 350 | 365 | 4,77 | 6,30 | 6,50 |
| 9251523112 | 9251523412 | 9251523312 | 400 | 415 | 5,50 | 7,60 | 7,50 |
| 9251524112 | 9251524412 | 9251524312 | 450 | 465 | 6,10 | 9,30 | 9,70 |
| 9251525112 | 9251525412 | 9251525312 | 500 | 515 | 13,10 | 11,03 | 11,45 |

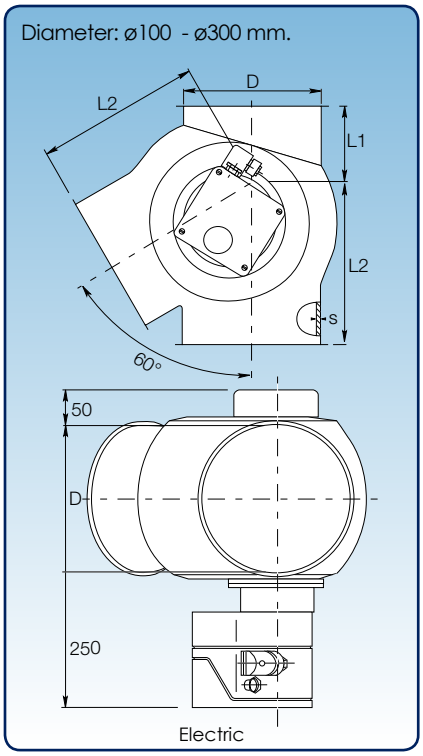
The item numbers stated are for throttle valves assembled using pull rings [f.b].
Throttle valves are also available for other assembly methods. See p. 6 for assembly methods.

# 60° branch diverters, pressed, manual, pneumatic and electric






Dimensional specifications are given in the table below.

**General**
60° branch diverters, pressed, designed for falling and forced direction transport.
Damper suspended on brass bearings.
Supplied as standard with left branch.

**With pneumatic actuator**
The damper is turned by a pneumatic actuator controlled by an electrically-operated valve. Solenoid valve: monostable 5/2 valve with
1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar.
Valve setting indicators are available as an optional extra.

**With electric actuator**
The damper is operated by an electric motor activated by a changeover switch. Electrical connection: 230 V AC - 50 Hz or 24 V DC.
Valve setting indicators are supplied as standard.

**Dimensions**

| Item no. (Man.) | Item no. (Pneu.) | Item no. (Elec.) | D mm | s mm | B mm | L1 mm | L2 mm | Weight (Man.) kg | Weight (Pneu.) kg | Weight (Elec.) kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 9251700036 | 9251720036 | 9251710036 | 100 | 1,50 | 145 | 70 | 145 | 2,20 | 5,20 | 6,90 |
| 9251701036 | 9251721036 | 9251711036 | 120 | 1,50 | 145 | 160 | 240 | 6,00 | 9,00 | 10,70 |
| 9251702036 | 9251722036 | 9251712036 | 125 | 1,50 | 145 | 90 | 170 | 4,00 | 7,00 | 8,70 |
| 9251703036 | 9251723036 | 9251713036 | 150 | 2,00 | 145 | 100 | 190 | 5,70 | 8,70 | 10,40 |
| 9251704036 | 9251724036 | 9251714036 | 160 | 2,00 | 145 | 95 | 225 | 6,10 | 9,10 | 10,80 |
| 9251705036 | 9251725036 | 9251715036 | 180 | 2,00 | 145 | 195 | 315 | 11,00 | 14,00 | 15,70 |
| 9251706036 | 9251726036 | 9251716036 | 200 | 2,00 | 145 | 110 | 230 | 8,30 | 11,30 | 13,00 |
| 9251707036 | 9251727036 | 9251717036 | 250 | 2,00 | 145 | 135 | 270 | 13,10 | 16,10 | 17,90 |
| 9251708036 | 9251727336 | 9251717336 | 300 | 2,00 | 145 | 160 | 325 | 19,30 | 22,30 | 24,10 |

The item numbers stated are for branch diverters assembled using pull rings [f.b].
Branch diverters are also available for other assembly methods. See p. 7 for assembly methods.

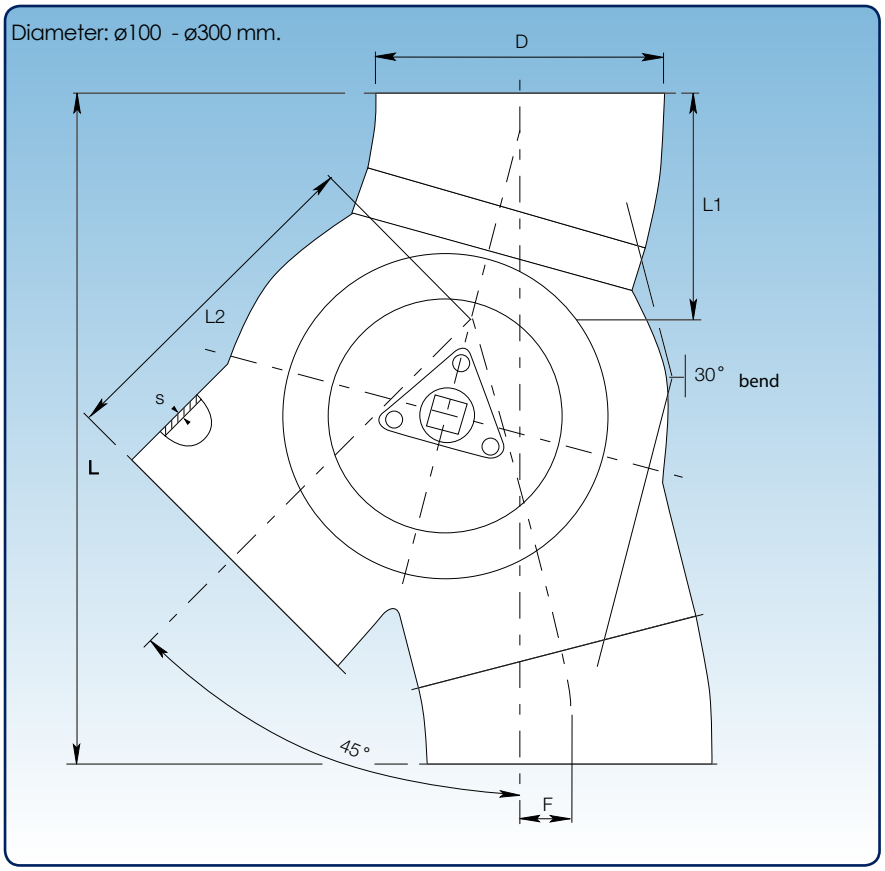
# 45° branch diverters, pressed, manual



Suggestion for use of Kongskilde bends. Example shows a trouser diverter and two 15° bends.

Pressed diverters are made of 1.50 - 2.00 mm sheet metal (s) with a standard 2.00 mm damper suspended on brass bearings.

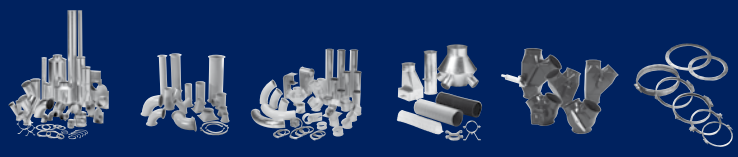
Supplied as standard with left branch.




Dimensional specifications are given in the table below.

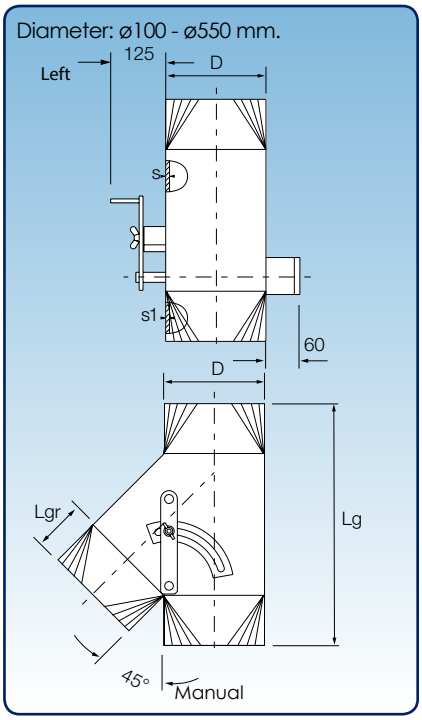
**Dimensions**

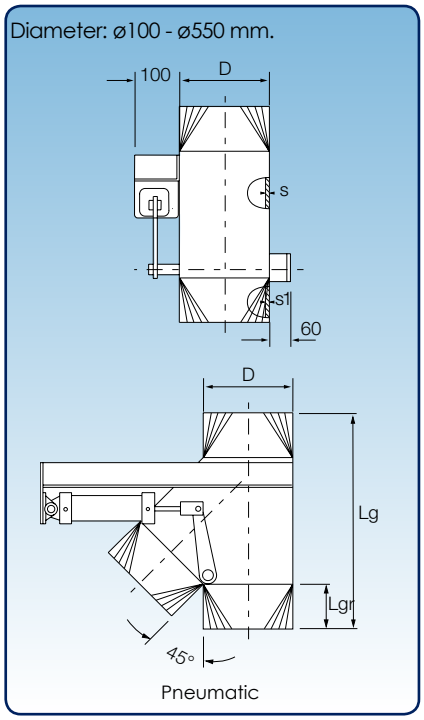
| D mm | s mm | F mm | L mm | L1 mm | L2 mm | Weight kg |
|---|---|---|---|---|---|---|
| 100 | 1,50 | 25 | 270 | 100 | 145 | 2,80 |
| 120 | 1,50 | 25 | 380 | 145 | 240 | 5,90 |
| 125 | 1,50 | 25 | 335 | 120 | 170 | 5,30 |
| 150 | 2,00 | 30 | 375 | 135 | 190 | 7,80 |
| 160 | 2,00 | 40 | 410 | 130 | 225 | 7,80 |
| 180 | 2,00 | 40 | 600 | 230 | 315 | 13,40 |
| 200 | 2,00 | 40 | 455 | 155 | 230 | 11,30 |
| 250 | 2,00 | 35 | 550 | 190 | 270 | 17,70 |
| 300 | 2,00 | 55 | 660 | 230 | 325 | 25,90 |

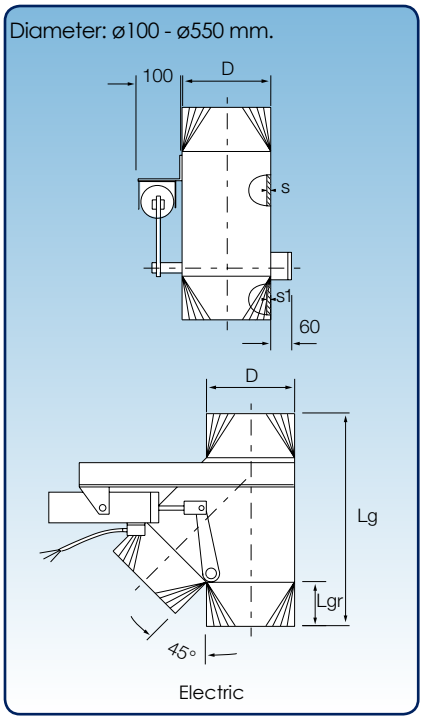


# 45° branch diverters, welded, manual, pneumatic and electric






**General**
Diameter: ø100 - ø550 mm.
Designed for falling and pneumatic transport. Available with rubber gasket on damper plate for pneumatic transport.
Damper suspended on nylon bearings.
Supplied as standard with left branch.

**With pneumatic actuator**
The damper is turned by a pneumatic cylinder controlled by an electrically-operated valve.
Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar. Valve setting indicators are available as an optional extra.

**With electric actuator**
The damper is operated by an electric motor activated by a changeover switch. Power supply: 230 V AC - 50 Hz. Switch box with damper setting indicators available as an optional extra. Not supplied with profile for damper plate.

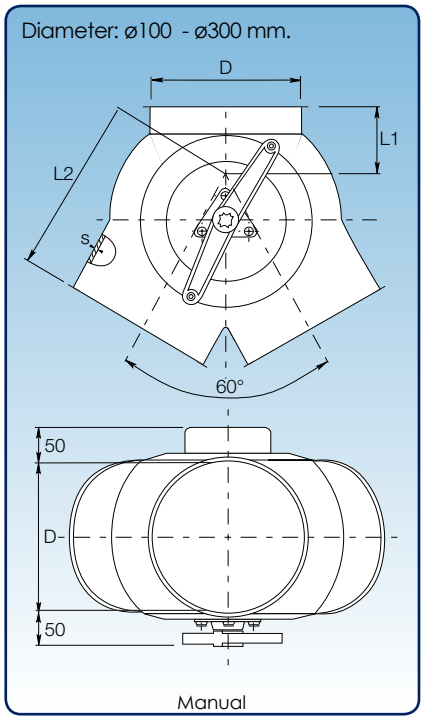
**Dimensions**

| Item no. (Man.) | Item no. (Pneu.) | Item no. (Elec.) | D mm | s mm | s1 mm | Damper plate mm | Lg mm | Lgr mm | Weight (Man.) kg | Weight (Pneu.) kg | Weight (Elec.) kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9251700064 | 9251740064 | 9251710064 | 100 | 3,00 | 2,00 | 4,00 | 360 | 105 | 2,80 | 5,80 | 7,50 |
| 9251701064 | 9251741064 | 9251711064 | 120 | 3,00 | 2,00 | 4,00 | 400 | 110 | 5,90 | 8,90 | 10,60 |
| 9251702064 | 9251742064 | 9251712064 | 125 | 3,00 | 2,00 | 4,00 | 400 | 110 | 5,30 | 8,30 | 10,00 |
| 9251702164 | 9251742964 | 9251712964 | 140 | 3,00 | 2,00 | 5,00 | 495 | 145 | 7,80 | 10,80 | 12,50 |
| 9251703064 | 9251743064 | 9251713064 | 150 | 3,00 | 2,00 | 5,00 | 495 | 145 | 7,80 | 10,80 | 12,50 |
| 9251704064 | 9251744064 | 9251714064 | 160 | 3,00 | 2,00 | 5,00 | 560 | 145 | 7,80 | 10,80 | 12,50 |
| 9251705064 | 9251745064 | 9251715064 | 180 | 3,00 | 2,00 | 5,00 | 560 | 145 | 13,40 | 16,40 | 18,10 |
| 9251706064 | 9251746064 | 9251716064 | 200 | 3,00 | 2,00 | 5,00 | 855 | 250 | 11,30 | 14,30 | 16,00 |
| 9251707064 | 9251747064 | 9251717064 | 250 | 3,00 | 2,00 | 6,00 | 1000 | 250 | 17,70 | 21,10 | 22,50 |
| 9251708064 | 9251747364 | 9251717364 | 300 | 4,00 | 3,00 | 6,00 | 1225 | 295 | 25,90 | 29,30 | 30,70 |
| 9251708564 | 9251747564 | 9251717564 | 315 | 4,00 | 3,00 | 6,00 | 1315 | 295 | 27,40 | 30,80 | 32,20 |
| 9251709064 | 9251747664 | 9251717664 | 350 | 4,00 | 3,00 | 6,00 | 1315 | 295 | 30,00 | 33,40 | 34,80 |
| 9251709264 | 9251747964 | 9251717964 | 400 | 4,00 | 3,00 | 6,00 | 1490 | 345 | 40,00 | 43,40 | 44,80 |
| 9251709364 | 9251748064 | 9251718064 | 450 | 4,00 | 3,00 | 6,00 | 1135 | 248 | 45,00 | 48,40 | 49,80 |
| 9251709464 | 9251748364 | 9251718364 | 500 | 4,00 | 3,00 | 6,00 | 1205 | 248 | 50,00 | 53,40 | 54,80 |
| 9251709564 | 9251748664 | 9251718664 | 550 | 4,00 | 3,00 | 6,00 | 1275 | 248 | 55,00 | 58,40 | 59,80 |

The item numbers stated are for branch diverters assembled using pull rings [f.b].
Branch diverters are also available for other assembly methods. See p. 7 for assembly methods.

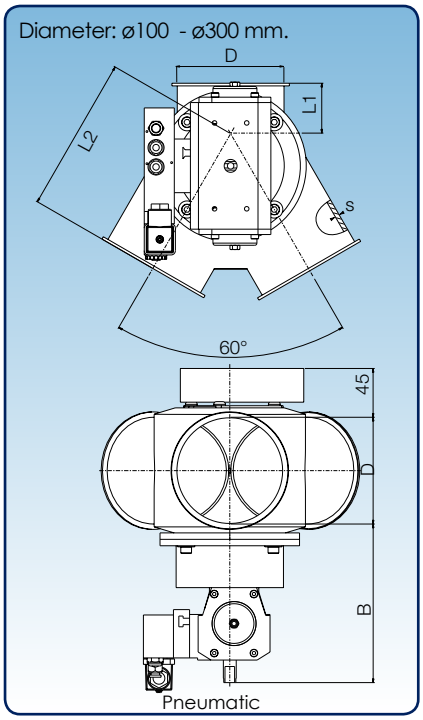
# 60° trouser diverters, pressed, manual, pneumatic and electric





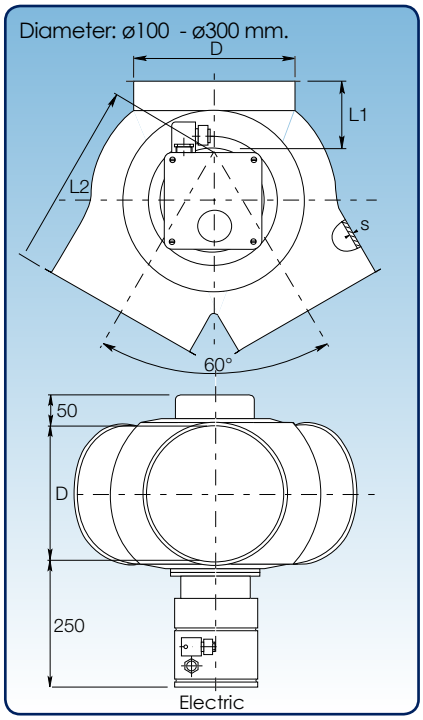

Dimensional specifications are given in the table below.

**General**
Trouser diverters, welded, are designed for falling and forced direction transport. Pressed diverters are made of 1.50 - 2.00 mm sheet metal (s) with a standard 2.00 mm damper suspended on brass bearings.




Dimensional specifications are given in the table below.

**With pneumatic actuator**
The damper is turned by a pneumatic actuator controlled by an electrically-operated valve.
Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar.
Valve setting indicators are available as an optional extra.

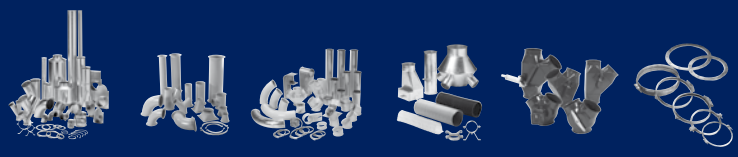



Dimensional specifications are given in the table below.

**With electric actuator**
The damper is operated by an electric motor activated by a changeover switch.
Power supply: 230 V AC - 50 Hz or 24 V DC.
Switch box with damper setting indicators supplied as standard.
Not supplied with profile for damper plate.

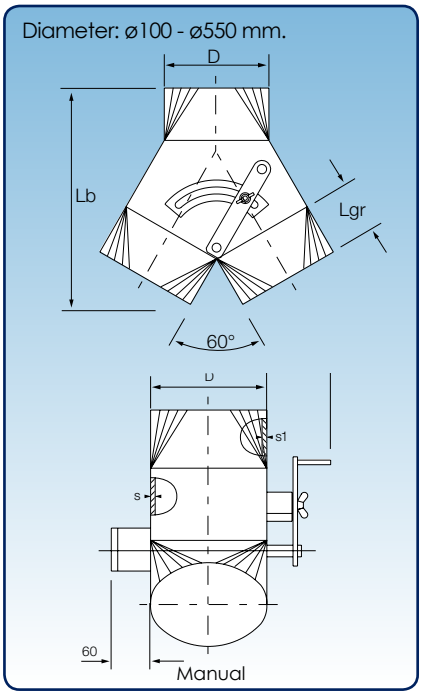
| Dimensions | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Item no. (Man.) | Item no. (Pneu.) | Item no. (Elec.) | D mm | s mm | B mm | L1 mm | L2 mm | Weight (Man.) kg | Weight (Pneu.) kg | Weight (Elec.) kg |
| 9251700037 | 9251720037 | 9251710037 | 100 | 1,50 | 145 | 70 | 145 | 2,00 | 5,00 | 6,70 |
| 9251701037 | 9251721037 | 9251711037 | 120 | 1,50 | 145 | 160 | 240 | 4,70 | 7,80 | 9,40 |
| 9251702037 | 9251722037 | 9251712037 | 125 | 1,50 | 145 | 90 | 170 | 3,90 | 6,90 | 8,60 |
| 9251703037 | 9251723037 | 9251713037 | 150 | 2,00 | 145 | 100 | 190 | 5,60 | 8,80 | 10,50 |
| 9251704037 | 9251724037 | 9251714037 | 160 | 2,00 | 145 | 95 | 225 | 5,60 | 8,50 | 10,30 |
| 9251705037 | 9251725037 | 9251715037 | 180 | 2,00 | 145 | 195 | 315 | 10,60 | 13,70 | 15,30 |
| 9251706037 | 9251726037 | 9251716037 | 200 | 2,00 | 145 | 110 | 230 | 7,90 | 10,90 | 12,60 |
| 9251707037 | 9251727037 | 9251717037 | 250 | 2,00 | 185 | 135 | 270 | 12,50 | 15,50 | 17,30 |
| 9251708037 | 9251727337 | 9251717337 | 300 | 2,00 | 185 | 160 | 325 | 18,25 | 21,30 | 23,10 |

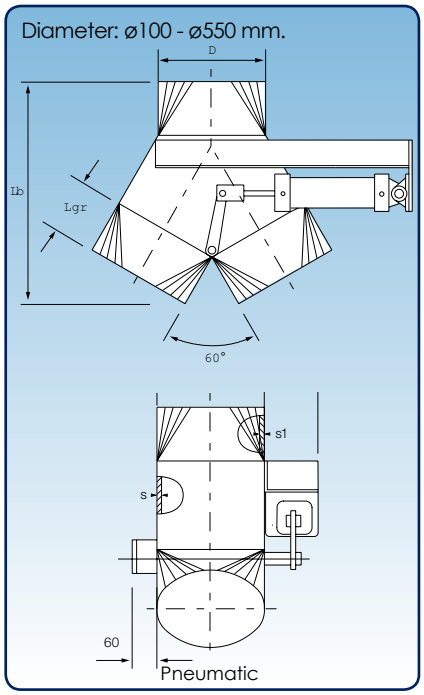
The item numbers stated are for trouser diverters assembled using pull rings [f.b].
Trouser diverters are also available for other assembly methods. See p. 7 for assembly methods.

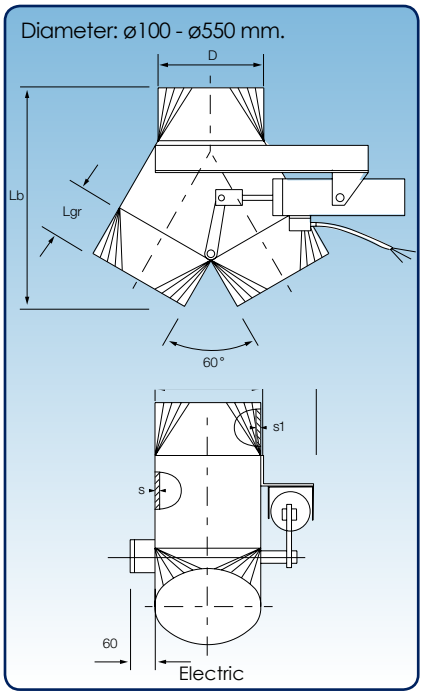


# 60° trouser diverters, welded, manual, pneumatic and electric






Dimensional specifications are given in the table below.

**General**
Trouser diverters, welded, manual, are designed for falling and pneumatic transport.
Available with rubber gasket on damper plate for pneumatic transport.

**With pneumatic actuator**
The damper is turned by a pneumatic cylinder controlled by an electrically-operated valve. Solenoid valve: monostable 5/2 valve with 1 x 230 V AC - 50/60 Hz electric coil or 24 V DC. Pneumatic pressure: 4-6 bar. Valve setting indicators are available as an optional extra.

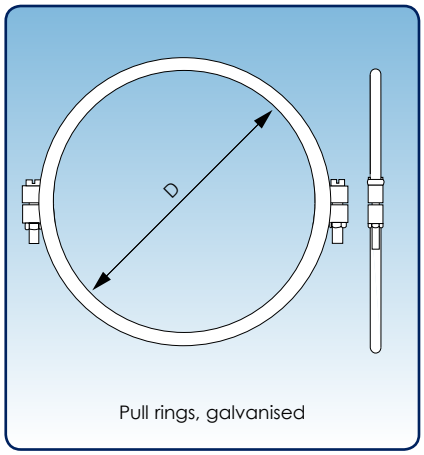
**With electric actuator**
The damper is operated by an electric motor activated by a changeover switch. Power supply: 230 V AC - 50 Hz. Switch box with damper setting indicators available as an optional extra.

**Dimensions**

| Item no. (Man.) | Item no. (Pneu.) | Item no. (Elec.) | D mm | s mm | s1 mm | S2 mm | Lb mm | Lgr mm | Weight (Man.) kg | Weight (Pneu.) kg | Weight (Elec.) kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9251700067 | 9251720067 | 9251710067 | 100 | 3,00 | 2,00 | 4,00 | 305 | 105 | 2,00 | 6,70 | 6,70 |
| 9251701067 | 9251721067 | 9251711067 | 120 | 3,00 | 2,00 | 4,00 | 330 | 110 | 4,70 | 7,80 | 9,40 |
| 9251702067 | 9251722067 | 9251712067 | 125 | 3,00 | 2,00 | 4,00 | 330 | 110 | 3,90 | 6,90 | 8,60 |
| 9251702167 | 9251722967 | 9251712967 | 140 | 3,00 | 2,00 | 5,00 | 455 | 145 | 5,80 | 10,50 | 10,50 |
| 9251703067 | 9251723067 | 9251713067 | 150 | 3,00 | 2,00 | 5,00 | 455 | 145 | 5,80 | 8,80 | 10,50 |
| 9251704067 | 9251724067 | 9251714067 | 160 | 3,00 | 2,00 | 5,00 | 455 | 145 | 5,60 | 9,00 | 10,30 |
| 9251705067 | 9251725067 | 9251715067 | 180 | 3,00 | 2,00 | 5,00 | 525 | 145 | 10,60 | 13,70 | 15,30 |
| 9251706067 | 9251726067 | 9251716067 | 200 | 3,00 | 2,00 | 5,00 | 525 | 145 | 11,30 | 10,90 | 12,60 |
| 9251706967 | 9251746967 | 9251716967 | 225 | 3,00 | 2,00 | 5,00 | 820 | 250 | 12,50 | 12,60 | 23,10 |
| 9251707067 | 9251727067 | 9251717067 | 250 | 3,00 | 2,00 | 5,00 | 820 | 250 | 12,50 | 15,90 | 17,30 |
| 9251707267 | 9251727267 | 9251717267 | 275 | 3,00 | 2,00 | 5,00 | 900 | 250 | 18,30 | 21,70 | 23,10 |
| 9251708067 | 9251727367 | 9251717367 | 300 | 3,00 | 2,00 | 5,00 | 900 | 250 | 18,30 | 21,70 | 23,10 |
| 9251708567 | 9251747567 | 9251717567 | 315 | 3,00 | 2,00 | 6,00 | 880 | 250 | 19,60 | 22,00 | 24,40 |
| 9251709067 | 9251727667 | 9251717667 | 350 | 3,00 | 2,00 | 6,00 | 880 | 250 | 24,00 | 27,40 | 28,80 |
| 9251709267 | 9251727967 | 9251717967 | 400 | 3,00 | 2,00 | 6,00 | 930 | 295 | 37,00 | 37,00 | 36,80 |
| 9251709367 | 9251728067 | 9251718067 | 450 | 4,00 | 3,00 | 6,00 | 965 | 295 | 37,00 | 40,00 | 41,80 |
| 9251709467 | 9251728367 | 9251718367 | 500 | 4,00 | 3,00 | 6,00 | 1040 | 295 | 42,00 | 45,00 | 46,80 |
| 9251709567 | 9251728667 | 9251718667 | 550 | 4,00 | 3,00 | 6,00 | 1170 | 345 | 48,00 | 51,00 | 52,80 |

# Pull rings, galvanised





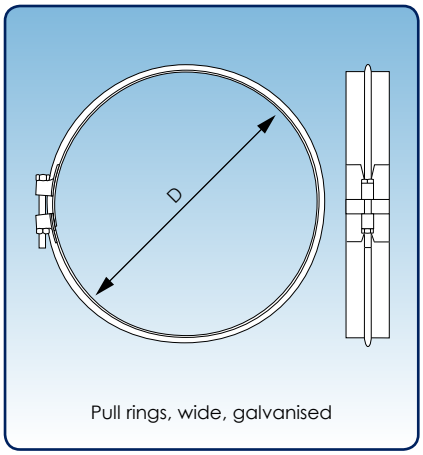

Pull rings, galvanised

Diameter: ø80 - ø500 mm.
Galvanised pull rings [f.b] are in two pieces. Pull rings are electro-galvanised. EPDM rubber rings are available as optional extras for sealing ø80 - ø300 mm diameter assemblies.

They are supplied in plastic bags of 10, along with the necessary nuts and bolts.

**Pull rings, galv.**

| Item no. | D mm | 10 pcs. Weight kg |
|---|---|---|
| 9251670011 | 80 | 0,55 |
| 9251671011 | 100 | 0,60 |
| 9251672011 | 120 | 0,65 |
| 9251673011 | 125 | 0,70 |
| 9251674011 | 140 | 0,75 |
| 9251675011 | 150 | 0,80 |
| 9251676011 | 160 | 0,83 |
| 9251677011 | 180 | 0,85 |
| 9251678011 | 200 | 0,90 |
| 9251679011 | 225 | 0,95 |
| 9251680011 | 250 | 1,00 |
| 9251680511 | 275 | 1,05 |
| 9251681011 | 300 | 1,25 |
| 9251682011 | 315 | 1,30 |
| 9251682611 | 325 | 1,30 |
| 9251683011 | 350 | 1,35 |
| 9251684011 | 400 | 1,45 |
| 9251684711 | 425 | 1,50 |
| 9251685011 | 450 | 1,65 |
| 9251686011 | 500 | 1,90 |



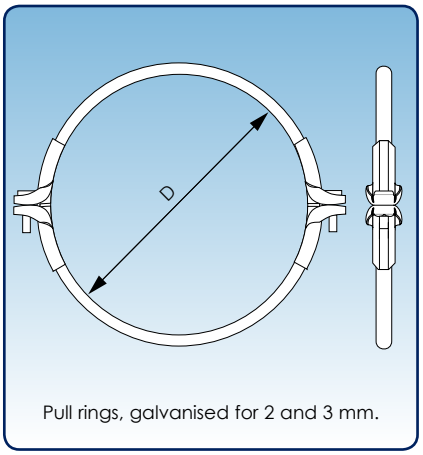

Pull rings, wide, galvanised

Diameter: ø150 - ø800 mm.
Wide galvanised pull rings [f.bb] are made from hot dip galvanised sheet metal.

These rings are supplied individually with nuts and bolts.

**Pull rings, wide, galvanised.**

| Item no. | D mm | Pce. Weight kg |
|---|---|---|
| 9251675001 | 150 | 0,22 |
| 9251676001 | 160 | 0,23 |
| 9251677001 | 180 | 0,24 |
| 9251678001 | 200 | 0,25 |
| 9251679001 | 225 | 0,30 |
| 9251680001 | 250 | 0,35 |
| 9251680501 | 275 | 0,40 |
| 9251681001 | 300 | 0,45 |
| 9251682001 | 315 | 0,47 |
| 9251682601 | 325 | 0,49 |
| 9251683001 | 350 | 0,50 |
| 9251683701 | 375 | 0,52 |
| 9251684001 | 400 | 0,55 |
| 9251684701 | 425 | 0,55 |
| 9251685001 | 450 | 0,60 |
| 9251685901 | 475 | 0,60 |
| 9251686001 | 500 | 0,65 |
| 9251686501 | 525 | 0,67 |
| 9251687001 | 550 | 0,70 |
| 9251688001 | 600 | 0,75 |
| 9251689001 | 630 | 0,78 |
| 9251690001 | 650 | 0,80 |
| 9251691001 | 700 | 0,86 |
| 9251692001 | 750 | 0,90 |
| 9251693001 | 800 | 0,98 |



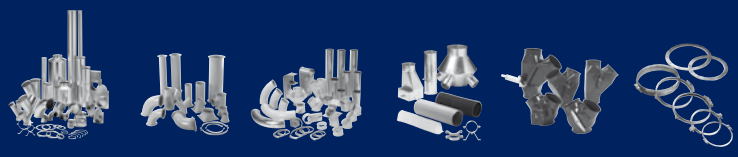

Pull rings, galvanised for 2 and 3 mm.

Diameter: ø80 - ø600 mm.
Galvanised pull rings [f.b] are in two pieces. Pull rings are electro-galvanised.

**Insert with sealing compound**
Kongskilde supplies pull rings with sealing compound inserted, made of Terostat VII material. The insert has a protective plastic film which must be removed before the pull ring can be used. The sealing compound is not soluble. Working temperature range is -50°C to +100°C. The rings are supplied in plastic bags of 10, along with the necessary nuts and bolts.

**Pull rings, 2 and 3 mm, galv.**

| Item no. | D mm | 10 pcs. Weight kg |
|---|---|---|
| **Rubber ring insert (EPDM)** | | |
| 9251670021 | 80 | 1,76 |
| 9251671021 | 100 | 1,87 |
| 9251672021 | 120 | 2,04 |
| 9251673021 | 125 | 2,21 |
| 9251674021 | 140 | 2,25 |
| 9251675021 | 150 | 2,38 |
| 9251676021 | 160 | 2,55 |
| 9251677021 | 180 | 2,72 |
| 9251678021 | 200 | 2,83 |
| 9251679021 | 225 | 3,20 |
| 9251680021 | 250 | 3,40 |
| 9251680521 | 275 | 3,45 |
| 9251681021 | 300 | 3,57 |
| **Insert with sealing compound** | | |
| 9251682021 | 315 | 4,25 |
| 9251683021 | 350 | 4,42 |
| 9251684021 | 400 | 4,93 |
| 9251685021 | 450 | 5,61 |
| 9251686021 | 500 | 6,46 |
| 9251687021 | 550 | 7,14 |
| 9251688021 | 600 | 8,50 |



# Rubber gasket rings



Diameter: ø80 - ø300 mm.

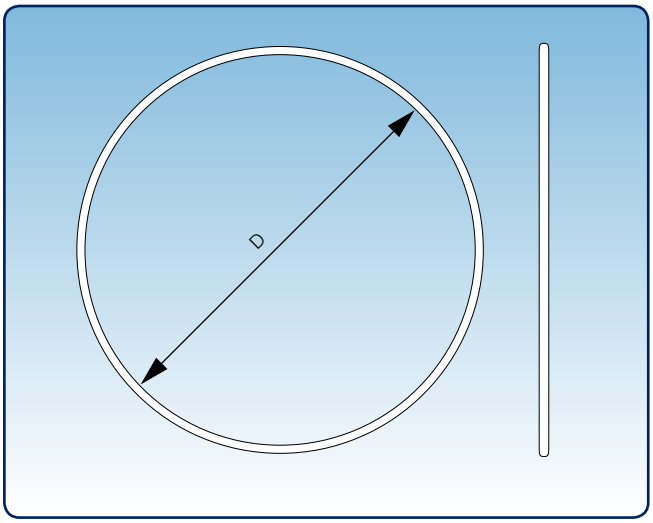
Standard rubber gasket rings are made of EPDM 80 rubber and used for f.b. assemblies to improve degree of tightness.

One ring is fitted for each assembly.
Rings are fitted on either f.b. edge before assembly.

Rubber gasket rings are U-shaped in cross section.
Hardness is 80 shore, and working temperature range is -40°C to +100°C.

Same dimensions are available in NITRIL rubber.
Hardness is 80 shore, and working temperature range is -15°C to +80°C.
NITRIL rubber is resistant to oil and petrol, and to some degree to acids and bases.

Supplied in plastic bags of 10 pcs.




Dimensional specifications are given in the table below.

| Dimensions | | |
|---|---|---|
| Item no. | D mm | Weight/10 pcs. kg |
| 925820170080 | 80 | 0,20 |
| 925820170100 | 100 | 0,30 |
| 925820170120 | 120 | 0,50 |
| 925820170125 | 125 | 0,50 |
| 925820170140 | 140 | 0,60 |
| 925820170150 | 150 | 0,60 |
| 925820170160 | 160 | 0,70 |
| 925820170180 | 180 | 0,70 |
| 925820170200 | 200 | 0,80 |
| 925820170225 | 225 | 1,10 |
| 925820170250 | 250 | 1,12 |
| 925820170275 | 275 | 1,12 |
| 925820170300 | 300 | 1,30 |

# Rapid lock pull rings, galvanised

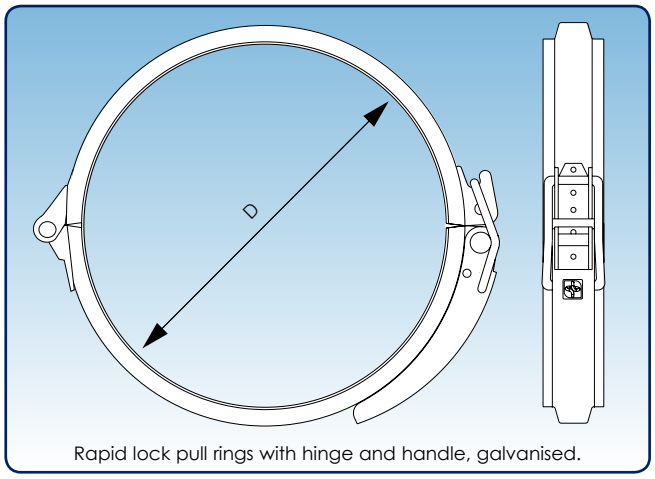


Rapis lock pull rings [f.lyn] are electro-galvanised and used for fast, tight assembly of duct systems.

Fitted with an insert which provides a dust-resistant join and provides stability to the duct system, ensuring electrical conductivity through the assembly.

2 and 3 mm duct systems are fitted with a rapid lock pull ring with an insert which facilitates a larger size.

A silicon insert is required for temperatures above 80°C, which can tolerate temperatures up to 275°C.

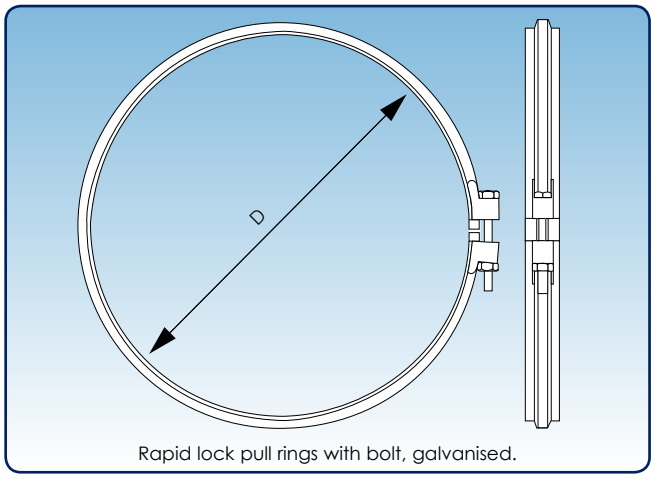



Rapid lock pull rings with hinge and handle, galvanised.

Diameter: ø80 - ø425 mm.

Handle is extended and made of a strong material for hand operation of rapid lock pull rings.

The powerful steel spring ensures high quality opening/closing mechanism and long service life.
Supplied individually.




Rapid lock pull rings with bolt, galvanised.

Diameter: ø450 – ø600 mm

Supplied individually with nuts and bolts.

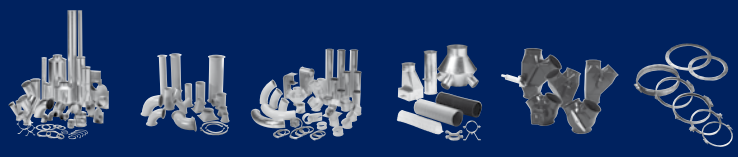
**Rapid lock pull rings with hinge and handle, galvanised.**

| Item no. | D mm | Weight kg |
|---|---|---|
| 9251670012 | 80 | 1,90 |
| 9251671012 | 100 | 2,10 |
| 9251672012 | 120 | 2,30 |
| 9251673012 | 125 | 2,40 |
| 9251674012 | 140 | 2,50 |
| 9251675012 | 150 | 2,60 |
| 9251676012 | 160 | 2,80 |
| 9251677012 | 180 | 3,00 |
| 9251678012 | 200 | 3,20 |
| 9251679012 | 225 | 3,40 |
| 9251680012 | 250 | 3,70 |
| 9251680512 | 275 | 3,90 |
| 9251681012 | 300 | 4,20 |

| Item no. | D mm | Weight kg |
|---|---|---|
| 9251682012 | 315 | 4,40 |
| 9251682612 | 325 | 4,50 |
| 9251683012 | 350 | 4,80 |
| 9251683612 | 355 | 4,80 |
| 9251683712 | 375 | 5,10 |
| 9251684012 | 400 | 5,30 |
| 9251684712 | 425 | 5,60 |

**Rapid lock pull rings with bolt, galvanised.**

| | | |
|---|---|---|
| 9251685012 | 450 | 5,80 |
| 9251685912 | 475 | 6,10 |
| 9251686012 | 500 | 6,30 |
| 9251687012 | 550 | 6,80 |
| 9251688012 | 600 | 7,30 |



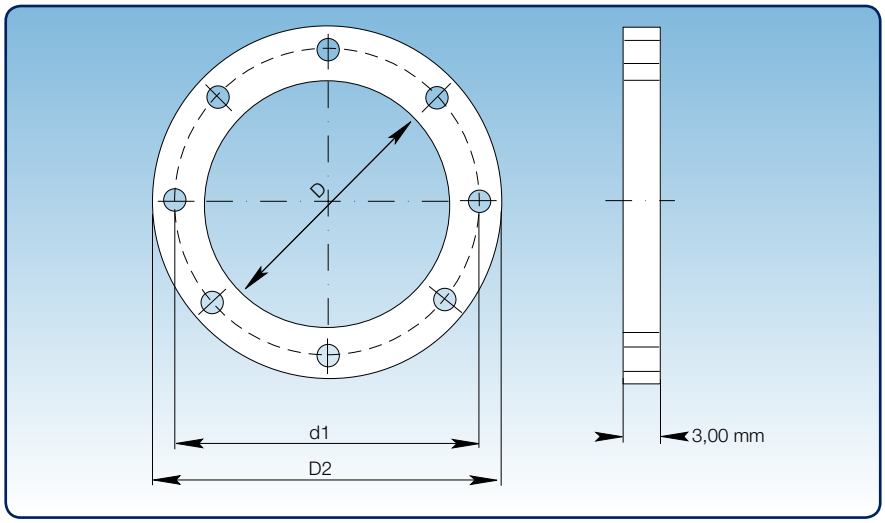
# Flanges



Diameter: ø80 - ø1250 mm.
Flanges are made in accordance with Kongskilde's standard, and are a standard component in the product range.

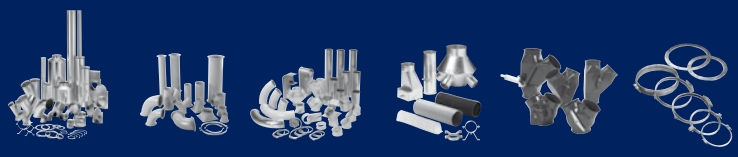
Flanges are stock items in hot dip galvanised finish, but can be supplied either untreated or painted.

Flanges in other dimensions or profiles are available to order.




Dimensional specifications are given in the table below.

| | Dimensions | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Item no. | Diameter: nominal | D mm | d1 mm | D2 mm | s mm | Flange width mm | Hole size mm | Quant. holes | Weight kg |
| 9251670005 | 80 | 83 | 115 | 133 | 3,00 | 25 | 9 | 8 | 0,26 |
| 9251671005 | 100 | 103 | 135 | 153 | 3,00 | 25 | 9 | 8 | 0,31 |
| 9251672005 | 120 | 123 | 155 | 173 | 3,00 | 25 | 9 | 8 | 0,36 |
| 9251673005 | 125 | 128 | 160 | 178 | 3,00 | 25 | 9 | 8 | 0,38 |
| 9251674005 | 140 | 143 | 175 | 193 | 3,00 | 25 | 9 | 8 | 0,41 |
| 9251675005 | 150 | 155 | 185 | 205 | 5,00 | 25 | 9 | 8 | 0,55 |
| 9251676005 | 160 | 165 | 195 | 215 | 5,00 | 25 | 9 | 8 | 0,58 |
| 9251677005 | 180 | 185 | 215 | 235 | 5,00 | 25 | 9 | 8 | 0,64 |
| 9251678005 | 200 | 205 | 235 | 255 | 5,00 | 25 | 9 | 12 | 0,70 |
| 9251679005 | 225 | 230 | 260 | 280 | 5,00 | 25 | 9 | 12 | 0,75 |
| 9251680005 | 250 | 255 | 285 | 305 | 5,00 | 25 | 9 | 12 | 0,85 |
| 9251680505 | 275 | 280 | 310 | 330 | 5,00 | 25 | 9 | 12 | 0,96 |
| 9251681005 | 300 | 305 | 336 | 355 | 5,00 | 25 | 9 | 12 | 1,01 |
| 9251682005 | 315 | 320 | 351 | 370 | 5,00 | 25 | 9 | 12 | 1,26 |
| 9251683505 | 325 | 330 | 360 | 380 | 5,00 | 25 | 9 | 12 | 1,38 |
| 9251683005 | 350 | 355 | 389 | 415 | 6,00 | 26 | 11 | 12 | 1,64 |
| 9251684505 | 375 | 380 | 424 | 440 | 6,00 | 30 | 11 | 12 | 1,77 |
| 9251684005 | 400 | 405 | 439 | 465 | 6,00 | 30 | 11 | 16 | 1,85 |
| 9251685505 | 425 | 430 | 462 | 490 | 6,00 | 30 | 11 | 16 | 1,96 |
| 9251685005 | 450 | 455 | 389 | 515 | 6,00 | 30 | 11 | 16 | 2,04 |
| 9251686505 | 475 | 480 | 515 | 540 | 6,00 | 30 | 11 | 16 | 2,18 |
| 9251686005 | 500 | 505 | 540 | 565 | 6,00 | 30 | 11 | 16 | 2,30 |
| 9251687005 | 550 | 555 | 590 | 615 | 6,00 | 30 | 11 | 16 | 2,50 |
| 9251688005 | 600 | 605 | 640 | 665 | 6,00 | 30 | 11 | 16 | 2,80 |
| 9251689005 | 630 | 635 | 670 | 695 | 6,00 | 30 | 11 | 24 | 2,90 |
| 9251690005 | 650 | 655 | 690 | 715 | 6,00 | 30 | 11 | 24 | 3,00 |
| 9251691005 | 700 | 705 | 750 | 785 | 6,00 | 40 | 11 | 24 | 4,30 |
| 9251692005 | 750 | 755 | 800 | 835 | 6,00 | 40 | 11 | 24 | 4,50 |
| 9251693005 | 800 | 805 | 850 | 885 | 6,00 | 40 | 11 | 24 | 4,90 |
| 9251694005 | 850 | 855 | 900 | 935 | 6,00 | 40 | 11 | 24 | 5,20 |
| 9251695005 | 900 | 905 | 950 | 985 | 6,00 | 40 | 11 | 24 | 5,50 |
| 9251696005 | 950 | 955 | 1000 | 1035 | 6,00 | 40 | 11 | 24 | 5,80 |
| 9251697005 | 1000 | 1005 | 1050 | 1085 | 6,00 | 40 | 11 | 24 | 6,00 |
| 9251698005 | 1250 | 1255 | 1300 | 1335 | 6,00 | 40 | 11 | 28 | 7,50 |



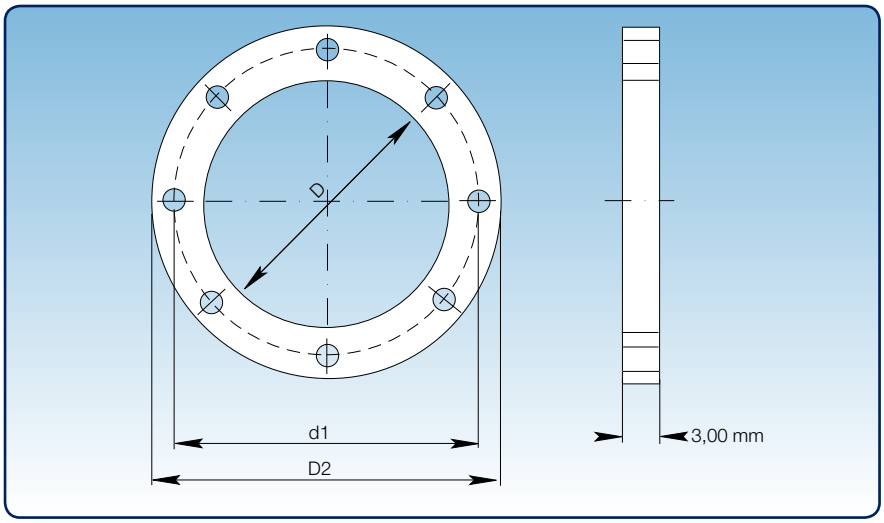
# Rubber flanges



Diameter: ø80 - ø1250 mm.

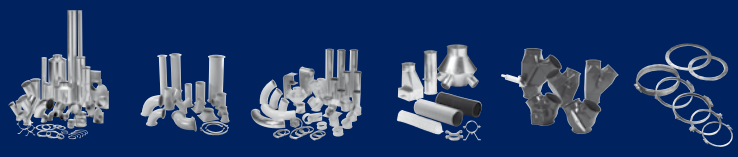
Rubber flanges are made of NITRIL rubber, adapted to Kongskilde's standard flange range.

Hardness: 65 shore.
Temperature range: -10°C to +70°C.
Resistant to oil and petrol and to a limited extent acid and base chemicals.




Dimensional specifications are given in the table below.

| Item no. | Diameter nominal | D mm | d1 mm | D2 mm | Flange width mm | Hole size mm | Quant. holes | Weight kg |
|---|---|---|---|---|---|---|---|---|
| | | | Dimensions | | | | | |
| 925820150080 | 80 | 83 | 115 | 133 | 25 | 8 | 8 | 0,02 |
| 925820150100 | 100 | 103 | 135 | 153 | 25 | 8 | 8 | 0,03 |
| 925820150120 | 120 | 123 | 155 | 173 | 25 | 8 | 8 | 0,04 |
| 925820150125 | 125 | 128 | 160 | 178 | 25 | 8 | 8 | 0,05 |
| 925820150140 | 140 | 143 | 175 | 193 | 25 | 8 | 8 | 0,05 |
| 925820150150 | 150 | 155 | 185 | 205 | 25 | 8 | 8 | 0,06 |
| 925820150160 | 160 | 165 | 195 | 215 | 25 | 8 | 8 | 0,06 |
| 925820150180 | 180 | 185 | 215 | 235 | 25 | 8 | 8 | 0,07 |
| 925820150200 | 200 | 205 | 235 | 255 | 25 | 8 | 12 | 0,08 |
| 925820150225 | 225 | 230 | 260 | 280 | 25 | 8 | 12 | 0,09 |
| 925820150250 | 250 | 255 | 285 | 305 | 25 | 8 | 12 | 0,10 |
| 925820150275 | 275 | 280 | 310 | 330 | 25 | 8 | 12 | 0,10 |
| 925820150300 | 300 | 305 | 336 | 355 | 25 | 8 | 12 | 0,11 |
| 925820150315 | 315 | 320 | 351 | 370 | 25 | 8 | 12 | 0,13 |
| 925820150350 | 350 | 355 | 389 | 415 | 26 | 10 | 12 | 0,15 |
| 925820150400 | 400 | 405 | 439 | 465 | 30 | 10 | 16 | 0,18 |
| 925820150450 | 450 | 455 | 389 | 515 | 30 | 10 | 16 | 0,21 |
| 925820150500 | 500 | 505 | 540 | 565 | 30 | 10 | 16 | 0,22 |
| 925820150550 | 550 | 555 | 590 | 615 | 30 | 10 | 16 | 0,25 |
| 925820150600 | 600 | 605 | 640 | 665 | 30 | 10 | 16 | 0,29 |
| 925820150630 | 630 | 635 | 670 | 695 | 30 | 10 | 24 | 0,33 |
| 925820150650 | 650 | 655 | 690 | 715 | 30 | 10 | 24 | 0,35 |
| 925820150700 | 700 | 705 | 750 | 785 | 40 | 10 | 24 | 0,38 |
| 925820150750 | 750 | 755 | 800 | 835 | 40 | 10 | 24 | 0,41 |
| 925820150800 | 800 | 805 | 850 | 885 | 40 | 10 | 24 | 0,49 |
| 925820150850 | 850 | 855 | 900 | 935 | 40 | 10 | 24 | 0,52 |
| 925820150900 | 900 | 905 | 950 | 985 | 40 | 10 | 24 | 0,54 |
| 925820150950 | 950 | 955 | 1000 | 1035 | 40 | 10 | 24 | 0,55 |
| 925820151000 | 1000 | 1005 | 1050 | 1085 | 40 | 10 | 24 | 0,56 |
| 925820151100 | 1100 | 1105 | 1150 | 1185 | 40 | 10 | 24 | 0,59 |
| 925820151200 | 1200 | 1205 | 1250 | 1285 | 40 | 10 | 24 | 0,61 |
| 925820151250 | 1250 | 1255 | 1300 | 1335 | 40 | 10 | 28 | 0,62 |



# Jet caps, galvanised



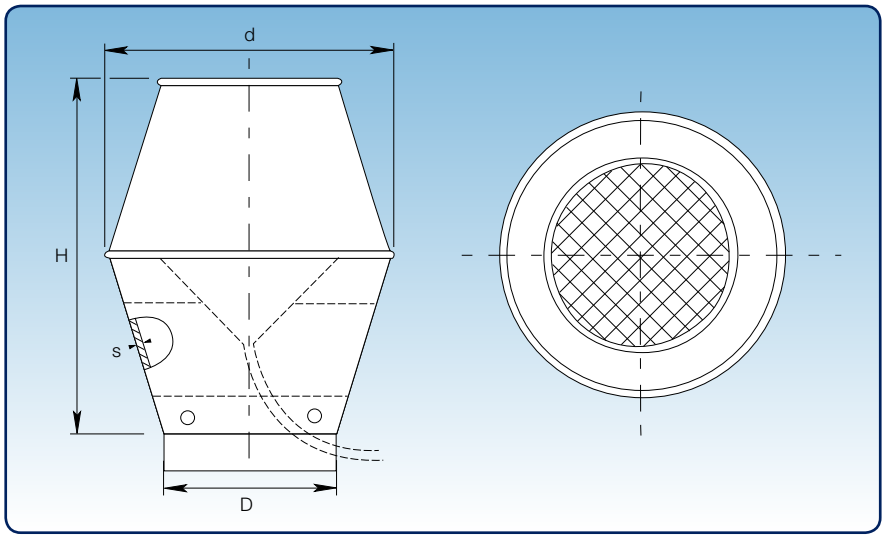
Diameter: ø120 - ø1000 mm.

Supplied with the same Kongskilde assembly methods as duct systems.

Jet caps from diameter ø700 - ø1000 mm are fitted with flanges as standard.

Jet caps are fitted with an internal cone and drain hose for disposal of water.

See next page for pressure loss curves.

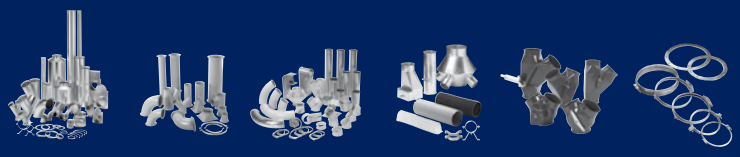



Dimensional specifications are given in the table below.

**Dimensions**

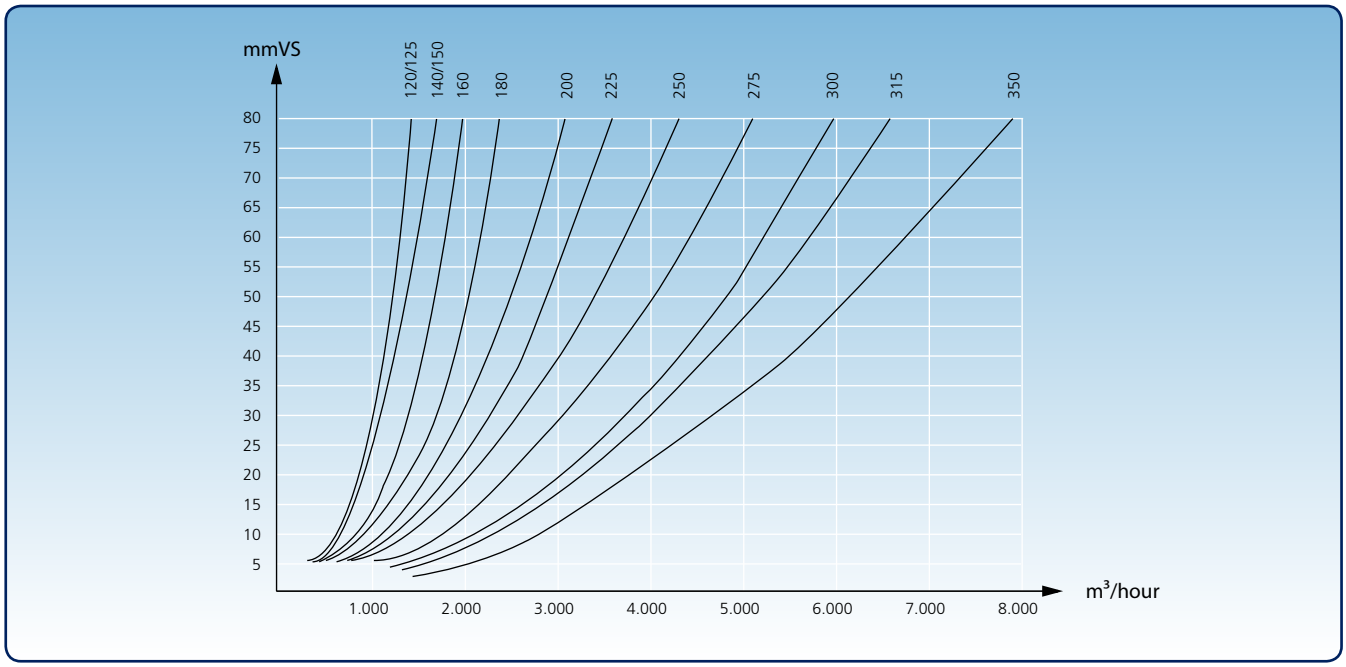
| Item no. | D mm | d mm | s mm | H mm | Weight kg |
|---|---|---|---|---|---|
| 9251902202 | 120 | 185 | 0,75 | 325 | 3,00 |
| 9251903202 | 125 | 195 | 0,75 | 340 | 3,50 |
| 9251904202 | 140 | 215 | 0,75 | 365 | 3,80 |
| 9251905202 | 150 | 230 | 0,90 | 390 | 4,00 |
| 9251906202 | 160 | 245 | 0,90 | 410 | 5,00 |
| 9251907202 | 180 | 275 | 0,90 | 445 | 5,40 |
| 9251908202 | 200 | 305 | 0,90 | 490 | 4,00 |
| 9251909202 | 225 | 345 | 0,90 | 535 | 4,80 |
| 9251910202 | 250 | 380 | 0,90 | 590 | 5,70 |
| 9251912202 | 275 | 420 | 0,90 | 640 | 9,00 |
| 9251913202 | 300 | 460 | 0,90 | 690 | 8,00 |
| 9251914202 | 315 | 480 | 0,90 | 720 | 8,70 |
| 9251915202 | 350 | 535 | 0,90 | 785 | 10,70 |
| 9251916202 | 400 | 610 | 0,90 | 885 | 13,50 |
| 9251917202 | 450 | 690 | 0,90 | 985 | 16,70 |
| 9251918202 | 500 | 765 | 0,90 | 1095 | 21,00 |
| 9251919202 | 550 | 840 | 0,90 | 1200 | 28,00 |
| 9251920202 | 600 | 915 | 0,90 | 1300 | 36,00 |
| 9251921202 | 630 | 960 | 0,90 | 1360 | 40,00 |
| 9251922202 | 650 | 990 | 0,90 | 1390 | 42,00 |
| 9251923202 | 700 | 1070 | 1,25 | 1505 | 49,00 |
| 9251924202 | 750 | 1145 | 1,25 | 1595 | 56,00 |
| 9251925202 | 800 | 1220 | 1,25 | 1695 | 68,00 |
| 9251926202 | 850 | 1295 | 1,25 | 1795 | 80,00 |
| 9251927202 | 900 | 1375 | 1,25 | 1900 | 100,00 |
| 9251928202 | 950 | 1450 | 1,25 | 1975 | 105,60 |
| 9251929202 | 1000 | 1525 | 1,25 | 2000 | 150,00 |

Item numbers designated with D ≤ 650 mm are for jet caps assembled with wide pull rings [f.lyn].
Jet caps are also available for other assembly methods. See p. 6 for assembly methods.

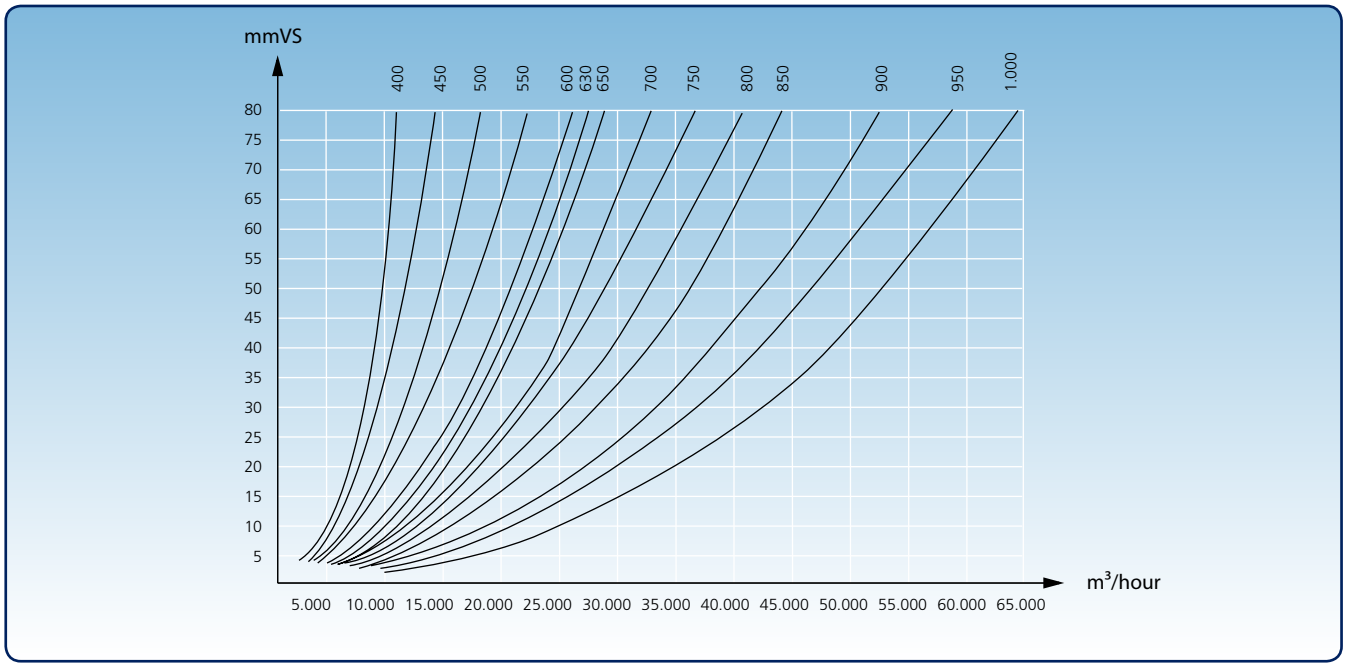


# Jet caps, galvanised
# Technical data

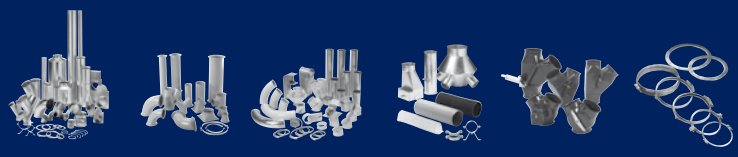





Pressure loss curves for diameter ø120 - ø350 mm.




Pressure loss curves for diameter ø400 - ø1000 mm.



# Rain caps, galvanised

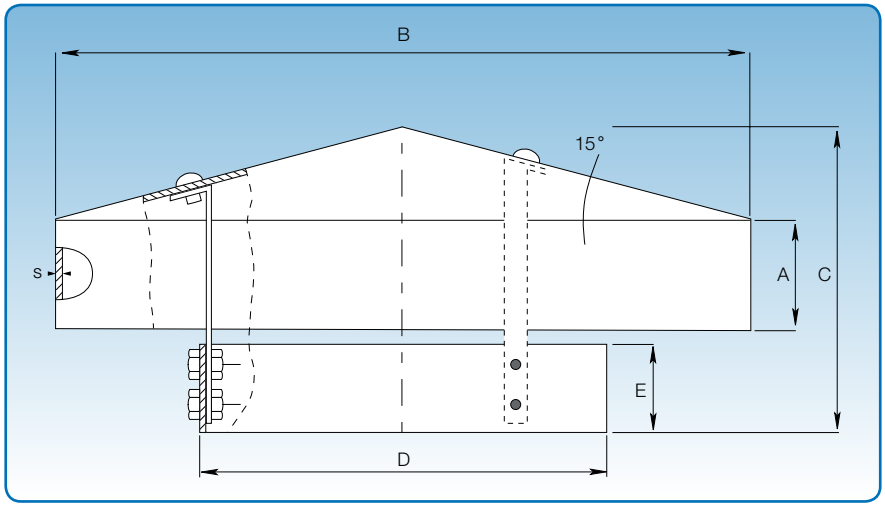


Diameter: ø80 - ø1250 mm.

Supplied with the same Kongskilde assembly methods as duct systems.

Rain caps from diameter ø700 - ø1000 mm are fitted with flanges as standard.

Rain caps of diameter ø80 - ø225 mm are supplied with a skirt and from ø250 - ø1000 mm with skirt and internal cone.




Dimensional specifications are given in the table below.

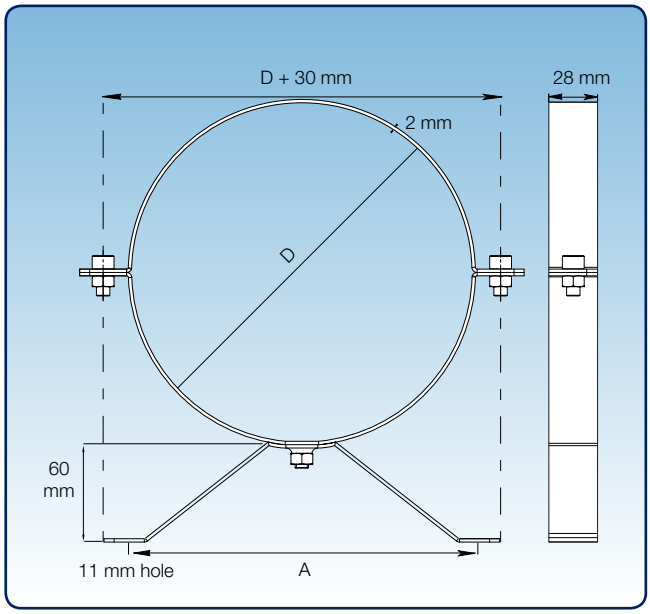
**Dimensions**

| Item no. | D mm | s mm | B mm | C mm | A mm | E mm | Weight kg |
|---|---|---|---|---|---|---|---|
| 9251970122 | 80 | 0,90 | 200 | 130 | 50 | 75 | 1,30 |
| 9251971122 | 100 | 0,90 | 200 | 130 | 50 | 75 | 1,35 |
| 9251972122 | 120 | 0,90 | 250 | 150 | 50 | 75 | 1,40 |
| 9251973122 | 125 | 0,90 | 250 | 150 | 50 | 75 | 1,50 |
| 9251974122 | 140 | 0,90 | 350 | 190 | 50 | 100 | 1,90 |
| 9251975122 | 150 | 0,90 | 350 | 190 | 50 | 100 | 2,20 |
| 9251976122 | 160 | 0,90 | 350 | 190 | 50 | 100 | 2,40 |
| 9251977122 | 180 | 0,90 | 400 | 220 | 50 | 100 | 2,66 |
| 9251978122 | 200 | 0,90 | 400 | 220 | 50 | 100 | 4,00 |
| 9251979122 | 225 | 0,90 | 500 | 240 | 50 | 100 | 5,30 |
| 9251980122 | 250 | 0,90 | 500 | 240 | 50 | 100 | 5,90 |
| 9251980162 | 275 | 0,90 | 500 | 240 | 50 | 100 | 6,00 |
| 9251981122 | 300 | 0,90 | 650 | 340 | 100 | 150 | 6,10 |
| 9251982122 | 315 | 0,90 | 650 | 340 | 100 | 150 | 6,12 |
| 9251983122 | 350 | 0,90 | 650 | 340 | 100 | 150 | 6,14 |
| 9251984122 | 400 | 0,90 | 750 | 371 | 100 | 150 | 6,30 |
| 9251985122 | 450 | 0,90 | 750 | 370 | 100 | 150 | 7,00 |
| 9251986122 | 500 | 0,90 | 950 | 440 | 150 | 150 | 9,70 |
| 9251987122 | 550 | 0,90 | 950 | 440 | 150 | 150 | 9,70 |
| 9251988122 | 600 | 0,90 | 1050 | 480 | 150 | 150 | 12,00 |
| 9251989122 | 630 | 0,90 | 1050 | 480 | 150 | 150 | 10,40 |
| 9251990122 | 650 | 0,90 | 1050 | 480 | 150 | 150 | 11,00 |
| 9251991122 | 700 | 0,90 | 1200 | 570 | 200 | 200 | 19,20 |
| 9251992122 | 750 | 0,90 | 1200 | 570 | 200 | 200 | 20,90 |
| 9251993122 | 800 | 1,25 | 1400 | 610 | 200 | 200 | 22,30 |
| 9251994122 | 850 | 1,25 | 1400 | 610 | 200 | 200 | 26,90 |
| 9251995122 | 900 | 1,25 | 1550 | 680 | 250 | 200 | 29,70 |
| 9251996122 | 950 | 1,25 | 1550 | 680 | 250 | 200 | 31,35 |
| 9251997122 | 1000 | 1,25 | 1700 | 720 | 250 | 200 | 34,50 |
| 9251998122 | 1100 | 1,25 | 1850 | 745 | 250 | 200 | 38,00 |
| 9251999122 | 1250 | 1,25 | 2000 | 765 | 250 | 200 | 43,20 |

The item numbers stated are for rain caps assembled using wide pull rings [f.lyn]. Rain caps are also available for other assembly methods. See p. 6 for assembly methods.

# Clip bands, galvanised

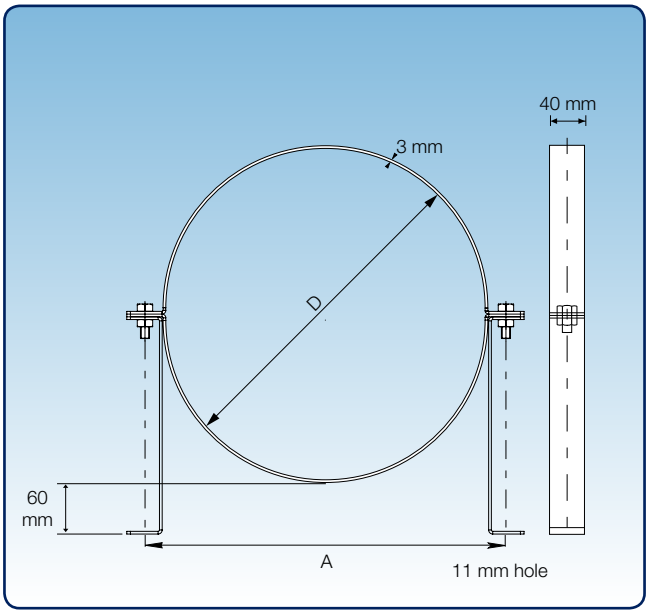





Diameter: ø80 - ø315 mm.

Supplied for mounting Kongskilde duct systems. 3 different mounting principles: with legs, wall mounted and hanging.

Recommended distance between bands: 1 band to every other assembly.



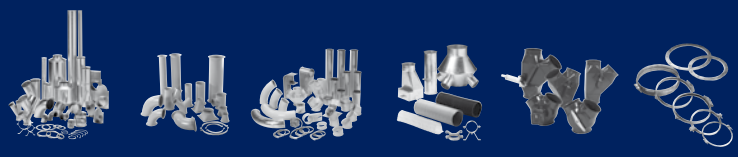

Diameter: ø350 - ø800 mm.

Supplied for mounting Kongskilde duct systems. 3 different mounting principles: with legs, wall mounted and hanging.

Recommended distance between bands: 1 band to every other assembly.

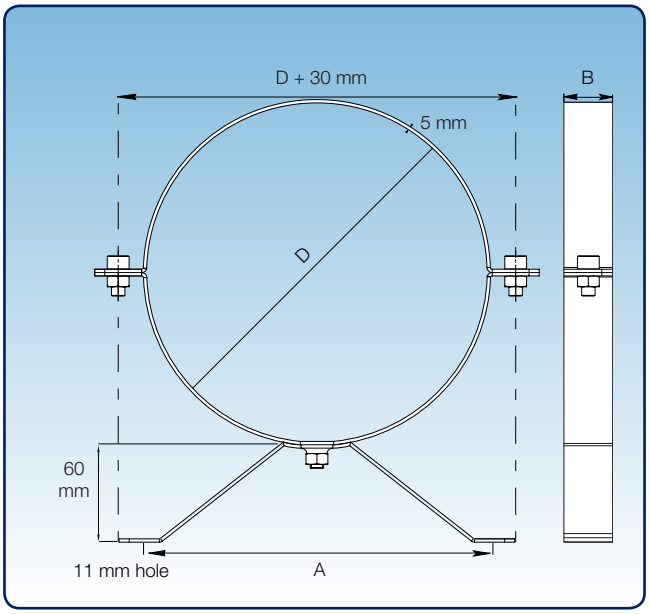
| s = 2 mm | | | |
|---|---|---|---|
| Item no. | D mm | A mm | Weight kg |
| 9254640290 | 80 | 132 | 0,27 |
| 9254641290 | 100 | 132 | 0,29 |
| 9254642290 | 120 | 132 | 0,32 |
| 9254643290 | 125 | 132 | 0,33 |
| 9254644290 | 140 | 132 | 0,35 |
| 9254645290 | 150 | 132 | 0,36 |
| 9254646290 | 160 | 132 | 0,38 |
| 9254647290 | 180 | 210 | 0,43 |
| 9254648290 | 200 | 210 | 0,46 |
| 9254649290 | 225 | 210 | 0,50 |
| 9254650290 | 250 | 210 | 0,53 |
| 9254650390 | 275 | 210 | 0,57 |
| 9254651290 | 300 | 210 | 0,60 |
| 9254652290 | 315 | 210 | 0,62 |

| s = 3 mm | | | |
|---|---|---|---|
| Item no. | D mm | A mm | Weight kg |
| 9254653290 | 350 | 240 | 1,66 |
| 9254683290 | 375 | 426 | 1,71 |
| 9254654290 | 400 | 451 | 1,83 |
| 9254684290 | 425 | 476 | 1,91 |
| 9254655290 | 450 | 501 | 2,01 |
| 9254685290 | 475 | 526 | 2,08 |
| 9254656290 | 500 | 551 | 2,27 |
| 9254657290 | 550 | 601 | 2,33 |
| 9254658290 | 600 | 651 | 2,42 |
| 9254658330 | 630 | 681 | 2,51 |
| 9254658390 | 650 | 701 | 3,64 |
| 9254659290 | 700 | 761 | 3,88 |
| 9254659390 | 750 | 811 | 4,09 |
| 9254659490 | 800 | 861 | 4,31 |



# Clip bands, primed, heavy design

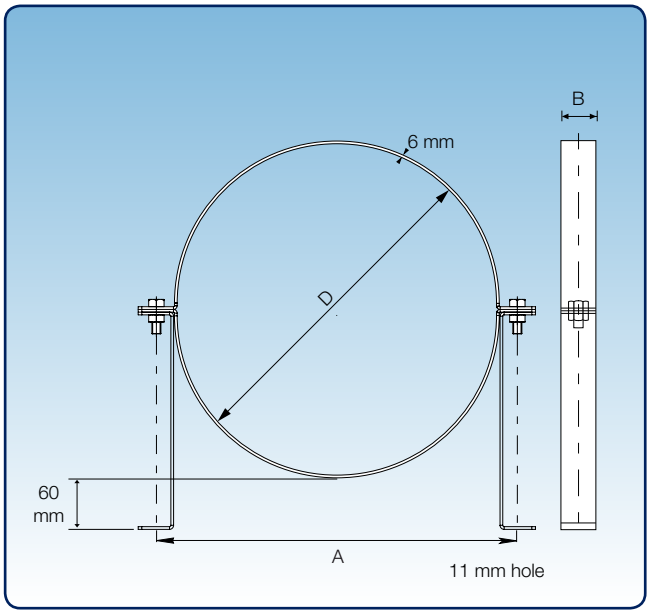





Diameter: ø80 - ø315 mm.

Supplied for mounting Kongskilde duct systems. Can be used for 3 different mounting principles.

Recommended distance between bands: 1 band to every other assembly.




Diameter: ø350 - ø1000 mm.

Supplied for mounting Kongskilde duct systems. Can be used for 3 different mounting principles.

Recommended distance between bands: 1 band to every other assembly.

| | s = 5 mm | | | |
|---|---|---|---|---|
| Item no. | D mm | B mm | A mm | Weight kg |
| 9254621080 | 80 | 25 | 120 | 0,58 |
| 9254621100 | 100 | 25 | 120 | 0,64 |
| 9254621120 | 120 | 25 | 120 | 0,70 |
| 9254621125 | 125 | 25 | 120 | 0,72 |
| 9254621140 | 140 | 25 | 120 | 0,77 |
| 9254621150 | 150 | 25 | 120 | 0,79 |
| 9254621160 | 160 | 25 | 120 | 0,82 |
| 9254621180 | 180 | 25 | 120 | 0,94 |
| 9254621200 | 200 | 25 | 240 | 1,00 |
| 9254621225 | 225 | 25 | 240 | 1,08 |
| 9254621250 | 250 | 25 | 240 | 1,16 |
| 9254621275 | 275 | 25 | 240 | 1,23 |
| 9254621300 | 300 | 25 | 240 | 1,31 |
| 9254621315 | 315 | 25 | 240 | 1,35 |

| | s = 6 mm | | | |
|---|---|---|---|---|
| Item no. | D mm | B mm | A mm | Weight kg |
| 9254623280 | 350 | 30 | 401 | 2,60 |
| 9254624280 | 400 | 30 | 451 | 2,89 |
| 9254625280 | 450 | 30 | 501 | 3,18 |
| 9254626280 | 500 | 30 | 551 | 3,49 |
| 9254627280 | 550 | 30 | 601 | 3,77 |
| 9254628280 | 600 | 30 | 651 | 4,06 |
| 9254629280 | 630 | 30 | 681 | 4,21 |
| 9254630280 | 650 | 30 | 701 | 4,36 |
| 9254631280 | 700 | 40 | 761 | 6,33 |
| 9254632280 | 750 | 40 | 811 | 6,74 |
| 9254633280 | 800 | 40 | 861 | 7,11 |
| 9254634280 | 850 | 40 | 911 | 7,50 |
| 9254635280 | 900 | 40 | 961 | 7,89 |
| 9254636280 | 950 | 40 | 1011 | 8,30 |
| 9254637280 | 1000 | 40 | 1061 | 8,69 |

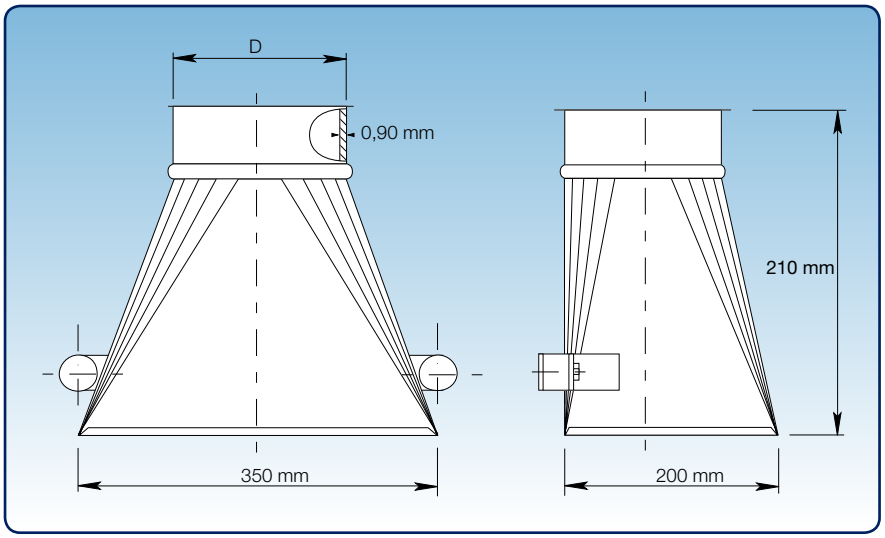
# Cutting screens, galvanised



Diameter: ø100 - ø150 mm.

Kongskilde's standard range includes cutting screens made of 0.90 mm galvanised sheet metal (s).

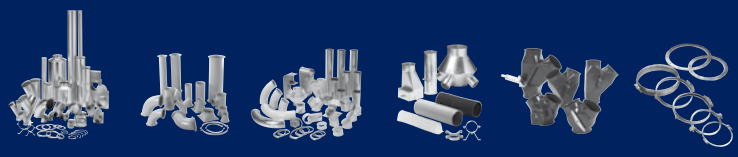
Screens supplied with mounting magnets.




Dimensional specifications are given in the table below.

| Dimensions | | |
|---|---|---|
| Item no. | D mm | Weight kg |
| 9254671601 | 100 | 1,50 |
| 9254671602 | 120 | 1,75 |
| 9254671603 | 125 | 1,89 |
| 9254671604 | 140 | 2,00 |
| 9254671605 | 150 | 2,25 |

The item numbers stated are for cutting screens assembled using rapid lock pull rings [f.lyn].



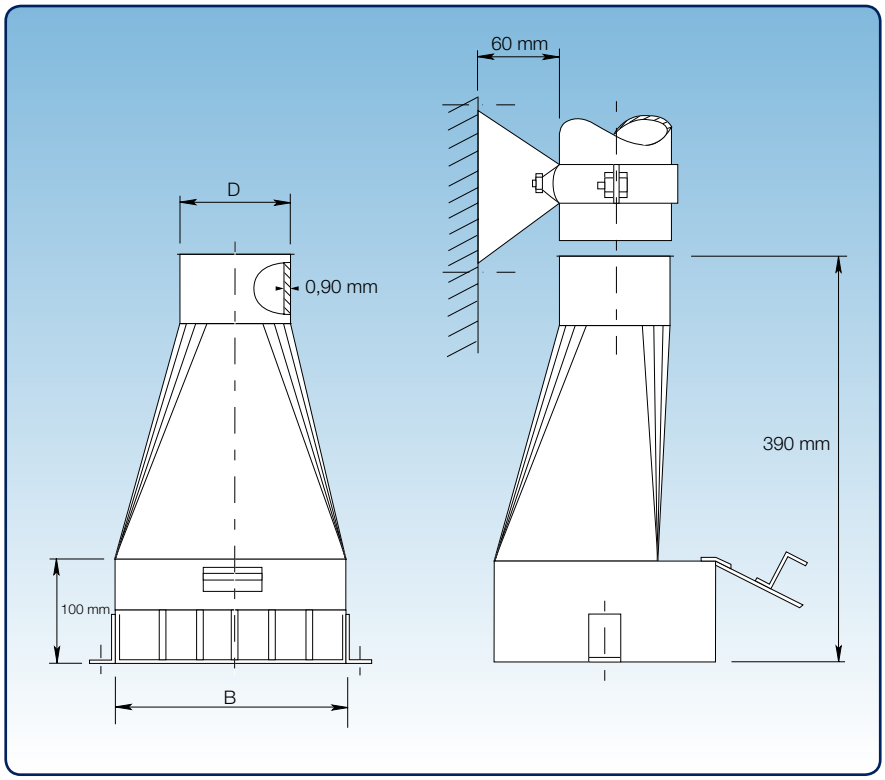
# Sweep ups, galvanised



Diameter: ø100 - ø200 mm.

Sweep ups for suction of floor areas are made of 0.90 mm galvanised sheet metal.

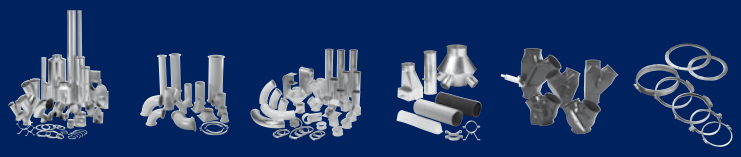
Sweep ups are fitted with grill and no gate as standard. Can be supplied with both.




Dimensional specifications are given in the table below.

| Item no. | Dimensions D mm | B mm | Weight kg |
|---|---|---|---|
| 9254671501 | 100 | 220 | 3,53 |
| 9254672501 | 120 | 220 | 3,77 |
| 9254673501 | 125 | 220 | 3,77 |
| 9254674501 | 140 | 220 | 3,79 |
| 9254675501 | 150 | 285 | 3,81 |
| 9254676501 | 160 | 285 | 3,88 |
| 9254677501 | 180 | 285 | 4,58 |
| 9254678501 | 200 | 285 | 4,80 |

The item numbers stated are for sweep ups assembled using rapid lock pull rings [f.lyn].



# Appendix 1



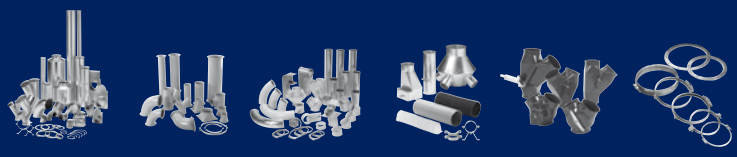
**Resistance up to overpressure of 9 bar**
Ducts and assemblies 2 and 3 mm thickness with welded flanges and flat gaskets up to a diameter of 600 mm.
Ducts up to L = 2000 mm
Galvanised ducts and assemblies 0.9 mm thickness with loose flanges and flat gaskets up to a diameter of 400 mm.
Ducts up to L = 2000 mm

**Resistance up to overpressure of 6 bar**
Ducts and assemblies 2 and 3 mm thickness with welded flanges and flat gaskets of diameter 600 mm up to 800 mm.
Ducts up to L = 2000 mm

**Resistance up to overpressure of 3 bar**
Galvanised ducts and assemblies 0.75 mm thickness with 1 pull ring and U-shaped gasket or rapid lock pull rings with U-shaped gasket up to
a diameter of 200 mm.
Ducts up to L = 2000 mm
Bends 30° up to 90°

**Resistance up to overpressure of 1.5 bar**
Galvanised ducts and assemblies 0.9 mm thickness with 1 pull ring and U-shaped gasket or rapid lock pull rings with U-shaped gasket up to
a diameter of 400 mm.
Ducts up to L = 2000 mm

To ensure assemblies are tight, screws have to be tightened correctly (torque setting 25 Nm). Using a loose flange assembly, M10 (M12) screws have to be tightened to 40 Nm (60 Nm). The entire duct system must be checked regularly for wear and corrosion to ensure its integrity. Worn components must be replaced.



123001891 EXP/GB/Duct systems/DATA/0416

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