



Ductmann Spiral tube & fittings

Price List September 2021

► Introduction

Ductmann are one mile from Junction 10 of the M6 we are ideally located to service the whole of the UK we manufacture 'Supply Only' Spiral Tube and Rectangular Ductwork and are distributors of Flat Oval Ductwork, with over 1500 tonnes of ductwork per annum from our 2 acre site in the West Midlands. We stock over half a million pounds worth of off the shelf Spiral Tube and Spiral Fittings, enter our website and select your priced shopping list for next day delivery or collect from our trade counter. No order is too small we offer next day small order carrier delivery service to anywhere in the UK.

We are well aware of the problems associated with contracting and can turn round none stock rectangular and spiral ductwork manufacture in extremely fast lead times ensuring you have those critical deliveries complete and on time. We have many long standing regular customers who can gladly support our claims.

We are well aware of current Health & Safety issues when delivering to site and to fulfil our obligations our lorries have been specially adapted with safety rails, no stand areas on the rear and Lloyds tested safety harnesses and support points, our drivers attend a safety induction course especially for site loading and unloading. Where possible ductwork is delivered in purpose made Lloyds tested cages.

We offer a free estimating service electronically or post send us your drawings and we will use our expertise to break down your drawings to a priced and simplified shopping list.

In addition to standard ductwork we offer the following bespoke services.

- 1 Spiral Ductwork, Rectangular Ductwork to none standard specifications
- 2 Flat Oval Ductwork distributors, Koolduct
- 3 Paper Waste ductwork (clipped ductwork for easy section removal and cleaning)
- 4 Fume and Dust Extraction Ductwork
- 5 Chlorinated rubber finishes to Swimming Pool ductwork
- 6 Powder Coated finishes to any Ral colour delivered to site each item bubble wrapped for protection until installed
- 7 Fire Rated ductwork and Smoke Rated ductwork to BS 476 Part 24:1987 and BSEN 1366 Part 1, brochure on request
- 8 All items can be delivered to site with bagged ends to prevent dust ingress during delivery and on site prior to installation
- 9 Delivery in purpose built cages for safe off loading and distribution on site. These cages are annually tested by Lloyds and carry an inclusive load of 750 Kilo's
- 10 Double Skin clad ductwork for thermal, acoustic or fire protection
- 11 Stainless Steel Ductwork
- 12 Stainless Steel Flue Systems

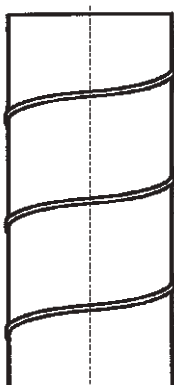
Large discounts are available on bulk orders and to regular customers. We take all major credit/debit card payments.

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All dimensions in millimetres unless otherwise stated.

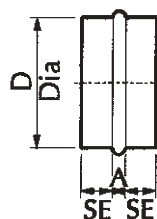
► Spiral Ducting



Code
S

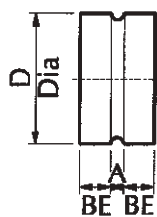
Manufactured in standard 3m lengths from hot dipped galvanised mild steel strip of spirally wound construction to DW144 specification.

► Couplers



Male Coupler

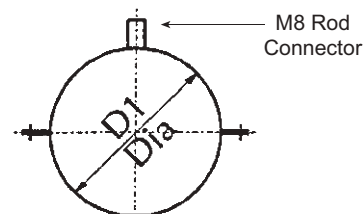
Code
CM



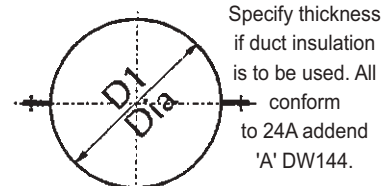
Female Coupler

Code
CF

► Split Ring Supports



Typical up to 315 diameter



Typical 255 diameter & above
Split Ring Duct Supports

SPIRAL TUBE

| Diameter Ø | Prices | Material ThK |
|---------------|-----------|-----------------|
| | £/3 Metre | |
| 80 | 28.10 | 0.50 |
| 100 | 25.33 | 0.50 |
| 125 | 31.80 | 0.50 |
| 150 | 38.05 | 0.50 |
| 160 | 40.70 | 0.50 |
| 180 | 54.75 | 0.50 |
| 200 | 59.07 | 0.50 |
| 224 | 68.00 | 0.60 |
| 250 | 73.73 | 0.60 |
| 280 | 85.23 | 0.60 |
| 300 | 88.74 | 0.60 |
| 315 | 95.79 | 0.60 |
| 355 | 144.25 | 0.60 |
| 400 | 162.46 | 0.60 |
| 450 | 182.68 | 0.80 |
| 500 | 202.97 | 0.80 |
| 560 | 227.32 | 0.80 |
| 600 | 243.57 | 0.80 |
| 630 | 255.97 | 0.80 |
| 710 | 288.43 | 0.80 |
| 800 | 324.89 | 0.80 |
| 900 | 456.91 | 1.00 |
| 1000 | 507.65 | 1.00 |
| 1118 | 726.16 | 1.20 |
| 1250 | 810.31 | 1.20 |
| 1422 | 925.56 | 1.20 |
| 1524 | 988.23 | 1.20 |

COUPLERS

| Diameter Ø | Prices BE/SE | Dimensions | |
|---------------|-----------------|------------|-------|
| | | 'A' | BE/SE |
| 80 | 2.50 | 10 | 40 |
| 100 | 2.06 | 10 | 40 |
| 125 | 2.90 | 10 | 40 |
| 150 | 2.40 | 10 | 40 |
| 160 | 3.08 | 10 | 40 |
| 180 | 3.27 | 10 | 40 |
| 200 | 3.00 | 10 | 40 |
| 224 | 3.62 | 10 | 40 |
| 250 | 3.78 | 10 | 40 |
| 280 | 5.22 | 10 | 40 |
| 300 | 4.99 | 10 | 40 |
| 315 | 5.44 | 10 | 40 |
| 355 | 7.49 | 10 | 50 |
| 400 | 7.79 | 10 | 50 |
| 450 | 9.63 | 10 | 50 |
| 500 | 12.86 | 10 | 50 |
| 560 | 14.07 | 10 | 50 |
| 600 | 16.30 | 10 | 50 |
| 630 | 18.03 | 10 | 50 |
| 710 | 22.29 | 15 | 50 |
| 800 | 25.72 | 15 | 50 |
| 900 | 30.30 | 15 | 50 |
| 1000 | 33.37 | 15 | 50 |
| 1118 | 44.80 | 20 | 50 |
| 1250 | 46.26 | 20 | 50 |
| 1422 | 51.71 | 20 | 50 |
| 1524 | 52.92 | 20 | 50 |

SPLIT RING SUPPORTS

Fabricated Split Rings
Code SR

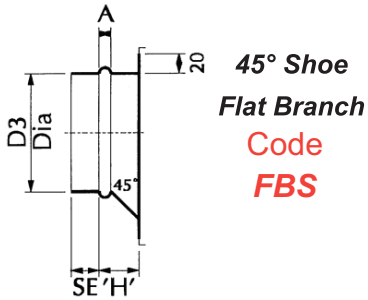
Pressed Split Rings
Code ODO

| Duct Diameter | Material | Rod Diameter | Prices (EACH) | Prices (EACH) | |
|---------------|----------|--------------|---------------|---------------|---------------|
| | | | | Material | Prices (EACH) |
| 80 | 25 x 2 | M8 | 6.86 | 20 x 2 | 2.41 |
| 100 | 25 x 2 | M8 | 5.40 | 20 x 2 | 2.41 |
| 125 | 25 x 2 | M8 | 5.55 | 20 x 2 | 3.18 |
| 150 | 25 x 2 | M8 | 5.71 | 20 x 2 | 3.67 |
| 160 | 25 x 2 | M8 | 6.86 | - | - |
| 180 | 25 x 2 | M8 | 6.86 | - | - |
| 200 | 25 x 2 | M8 | 6.86 | 20 x 2 | 4.78 |
| 224 | 25 x 2 | M8 | 6.86 | - | - |
| 250 | 25 x 2 | M8 | 8.50 | 20 x 2 | 5.90 |
| 280 | 25 x 2 | M8 | 10.86 | - | - |
| 300 | 25 x 2 | M8 | 10.86 | - | - |
| 315 | 25 x 2 | M8 | 10.91 | - | - |
| 355 | 25 x 3 | M8 | 12.86 | - | - |
| 400 | 25 x 3 | M8 | 13.04 | - | - |
| 450 | 25 x 3 | M8 | 14.62 | - | - |
| 500 | 30 x 3 | M8 | 19.73 | - | - |
| 560 | 30 x 3 | M8 | 24.33 | - | - |
| 600 | 30 x 3 | M8 | 24.33 | - | - |
| 630 | 30 x 3 | M8 | 24.90 | - | - |
| 710 | 30 x 3 | M8 | 25.34 | - | - |
| 800 | 30 x 3 | M8 | 26.31 | - | - |
| 900 | 40 x 5 | M10 | 45.20 | - | - |
| 1000 | 40 x 5 | M10 | 47.48 | - | - |
| 1118 | 40 x 5 | M10 | 50.43 | - | - |
| 1250 | 40 x 5 | M12 | 61.73 | - | - |
| 1422 | 40 x 5 | M12 | 85.75 | - | - |
| 1524 | 50 x 6 | M12 | 111.47 | - | - |

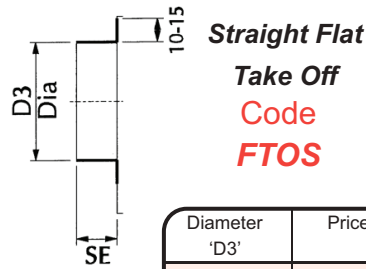
Other non standard sizes available - 381, 432, 610, 660, 762, 813, 864, 914, 965, 1016, 1067, 1168, 1219, 1270, 1321, 1600, 2000. Cut lengths supplied at 10% extra cost.

Use flange joint for sizes above 1000 diameter. Dimensions 'A' & 'SE/SB' are identical for all pressed and fabricated fittings.

► **Flat Take Offs** Suitable for fitting to rectangular ductwork



**45° Shoe
Flat Branch**
Code
FBS

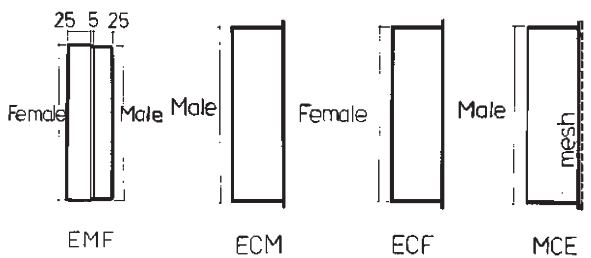


**Straight Flat
Take Off**
Code
FTOS

| Diameter 'D3' | Prices | Dimensions 'H' |
|---------------|--------|----------------|
| 80 | 25.90 | 75 |
| 100 | 24.90 | 75 |
| 125 | 27.29 | 75 |
| 150 | 25.72 | 75 |
| 160 | 30.12 | 75 |
| 180 | 30.87 | 75 |
| 200 | 34.08 | 75 |
| 224 | 44.26 | 110 |
| 250 | 44.26 | 110 |
| 280 | 52.43 | 110 |
| 300 | 57.88 | 110 |
| 315 | 61.35 | 125 |
| 355 | 72.20 | 125 |
| 400 | 89.17 | 125 |
| 450 | 102.89 | 160 |
| 500 | 121.76 | 160 |
| 560 | 130.34 | 160 |
| 600 | 135.48 | 160 |
| 630 | 149.20 | 210 |

| Diameter 'D3' | Prices |
|---------------|--------|
| 80 | 3.83 |
| 100 | 3.99 |
| 125 | 4.19 |
| 150 | 4.55 |
| 160 | 4.81 |
| 180 | 5.77 |
| 200 | 5.67 |
| 224 | 6.87 |
| 250 | 7.44 |
| 280 | 9.26 |
| 300 | 9.70 |
| 315 | 10.13 |
| 355 | 11.11 |
| 400 | 11.38 |
| 450 | 16.51 |
| 500 | 20.59 |
| 560 | 24.01 |
| 600 | 28.29 |
| 630 | 32.42 |
| 710 | 33.45 |
| 800 | 40.72 |
| 900 | 42.66 |
| 1000 | 49.25 |
| 1118 | 62.85 |
| 1250 | 64.05 |
| 1422 | 81.74 |
| 1524 | 102.22 |

► **End Caps**



Code
EMF

Code
ECM

Code
ECF

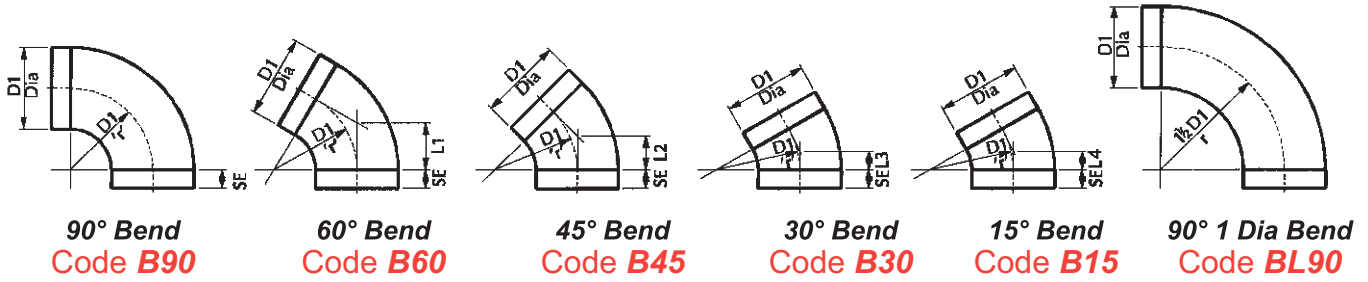
Code
MCE

| Diameter 'D1' | Prices EMF |
|---------------|------------|
| 80 | 6.77 |
| 100 | 6.77 |
| 125 | 7.35 |
| 150 | 7.52 |
| 160 | 7.52 |
| 180 | 11.08 |
| 200 | 10.00 |
| 224 | - |
| 250 | 17.55 |
| 300 | - |
| 315 | 24.50 |
| 355 | 21.28 |
| 400 | 21.28 |

| Diameter 'D1' | Prices ECM | Prices ECF |
|---------------|------------|------------|
| 224 | 18.87 | 18.87 |
| 280 | 18.87 | 18.87 |
| 300 | 20.46 | 20.46 |
| 355 | 23.87 | 23.87 |
| 400 | 25.90 | 25.90 |
| 450 | 29.31 | 29.31 |
| 500 | 29.99 | 29.99 |
| 560 | 41.47 | 41.47 |
| 600 | 52.42 | 52.42 |
| 630 | 52.71 | 52.71 |
| 710 | 72.47 | 72.45 |
| 800 | 82.48 | 82.48 |
| 900 | 115.63 | 115.63 |
| 1000 | 138.75 | 138.75 |
| 1118 | 192.71 | 192.71 |
| 1250 | 215.84 | 215.84 |
| 1422 | 323.74 | 323.74 |
| 1524 | 369.99 | 369.99 |

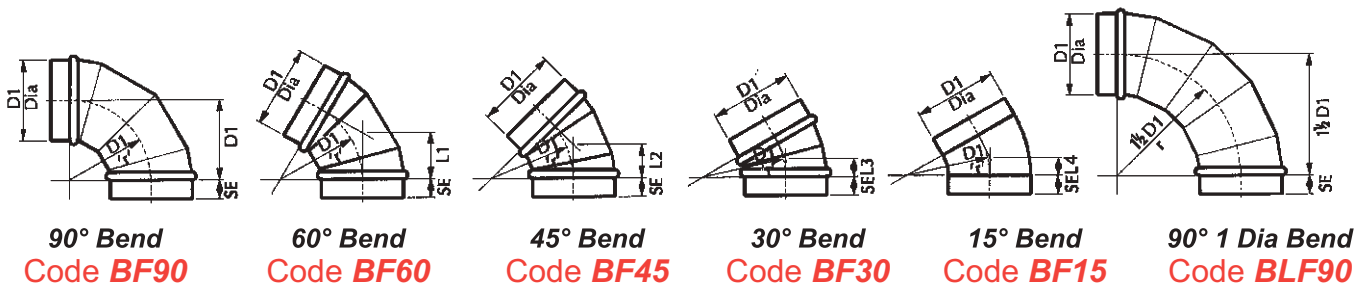
| Diameter 'D1' | Prices MCE |
|---------------|------------|
| 80 | 4.44 |
| 100 | 4.44 |
| 125 | 4.44 |
| 150 | 5.17 |
| 160 | 31.18 |
| 180 | 32.01 |
| 200 | 7.39 |
| 224 | 33.64 |
| 250 | 9.58 |
| 280 | 41.03 |
| 300 | 42.66 |
| 315 | 44.30 |
| 355 | 45.94 |
| 400 | 53.11 |
| 450 | 85.41 |
| 500 | 100.11 |
| 560 | 101.65 |
| 600 | 108.93 |
| 630 | 114.33 |
| 710 | 141.46 |
| 800 | 177.83 |
| 900 | 215.68 |

► Pressed Bends



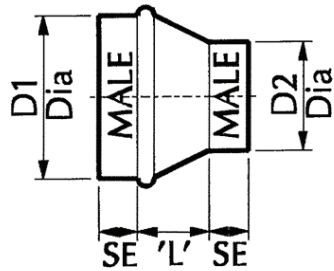
| Diameter 'D1' | Prices | | | | | | Dimensions | | | |
|------------------|--------|-------|-------|-------|-------|------|------------|------|------|------|
| | B90 | B60 | B45 | B30 | B15 | BL90 | 'L1' | 'L2' | 'L3' | 'L4' |
| 80 | 9.72 | 12.17 | 7.80 | 7.53 | | | 46 | 33 | 21 | 11 |
| 100 | 8.91 | 10.16 | 7.80 | 7.53 | 11.33 | POA | 58 | 41 | 27 | 13 |
| 125 | 12.09 | 13.01 | 9.47 | 8.52 | 12.77 | POA | 72 | 52 | 33 | 16 |
| 150 | 16.17 | 20.20 | 12.09 | 11.63 | 16.54 | POA | 87 | 62 | 40 | 20 |
| 160 | 19.11 | 20.86 | 15.87 | 11.95 | 16.60 | POA | 92 | 66 | 43 | 21 |
| 180 | 23.07 | 29.18 | 15.71 | 15.13 | 28.97 | POA | 104 | 75 | 48 | 24 |
| 200 | 25.07 | 29.85 | 16.61 | 16.49 | 21.77 | POA | 115 | 83 | 54 | 26 |

► Fabricated Bends



| Diameter 'D1' | Prices | | | | | | Dimensions | | | |
|------------------|---------|---------|--------|--------|-------|---------|------------|------|------|------|
| | BF90 | BF60 | BF45 | BF30 | BF15 | BLF90 | 'L1' | 'L2' | 'L3' | 'L4' |
| 224 | 32.76 | 32.53 | 25.99 | 25.99 | 17.98 | 60.80 | | | | |
| 250 | 32.76 | 32.53 | 25.99 | 25.99 | 17.98 | 60.80 | 144 | 104 | 67 | 33 |
| 280 | 34.09 | 33.43 | 25.99 | 25.99 | 21.61 | 86.69 | 162 | 116 | 75 | 37 |
| 300 | 34.09 | 33.43 | 25.99 | 25.99 | 24.81 | 86.69 | 173 | 124 | 80 | 40 |
| 315 | 34.09 | 33.43 | 25.99 | 25.99 | 25.99 | 86.69 | 182 | 130 | 84 | 41 |
| 355 | 40.18 | 38.38 | 34.09 | 31.90 | 32.20 | 93.84 | 205 | 147 | 95 | 47 |
| 400 | 51.05 | 45.85 | 36.83 | 34.09 | 34.68 | 101.85 | 231 | 166 | 107 | 53 |
| 450 | 64.41 | 52.62 | 42.76 | 35.94 | 35.34 | 111.68 | 260 | 186 | 121 | 59 |
| 500 | 83.61 | 71.22 | 52.04 | 37.13 | 37.13 | 125.11 | 289 | 207 | 134 | 66 |
| 560 | 112.09 | 98.07 | 65.02 | 49.54 | 49.54 | 149.22 | 323 | 232 | 150 | 74 |
| 600 | 136.25 | 117.66 | 69.91 | 55.76 | 55.76 | 208.68 | 346 | 249 | 161 | 79 |
| 630 | 138.44 | 122.01 | 76.16 | 55.76 | 55.76 | 208.68 | 364 | 261 | 169 | 83 |
| 710 | 210.47 | 192.26 | 105.27 | 89.75 | 86.68 | 303.82 | 410 | 294 | 190 | 94 |
| 800 | 250.13 | 239.04 | 148.64 | 117.66 | | 348.49 | 462 | 331 | 214 | 105 |
| 900 | 402.42 | 286.82 | 222.88 | 142.44 | | 661.24 | 520 | 373 | 241 | 119 |
| 1000 | 588.20 | 467.65 | 359.09 | 185.77 | | 795.26 | 577 | 414 | 268 | 132 |
| 1118 | 872.98 | 658.21 | 507.63 | 297.14 | | 1045.47 | 646 | 463 | 300 | 147 |
| 1250 | 1040.10 | 778.31 | 588.20 | 334.32 | | 1422.40 | 722 | 518 | 335 | 165 |
| 1422 | 1485.87 | 1113.46 | 928.68 | 482.93 | | 1767.47 | 821 | 589 | 381 | 187 |
| 1524 | 1789.29 | 1334.64 | 990.59 | 588.20 | | 1805.01 | 880 | 631 | 408 | 201 |

► Short Conical Reducers (Pressed)



Concentric
Code
RCS

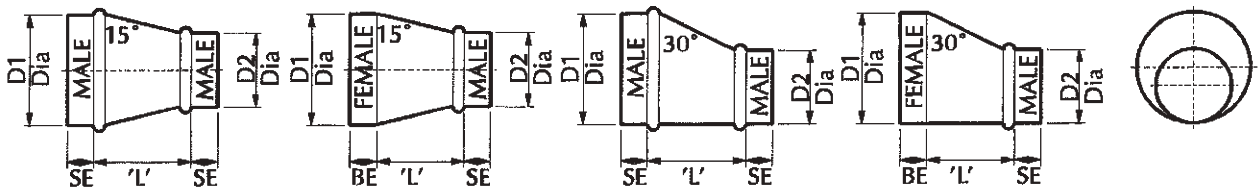
▼ Prices

| Diameter 'D1' | Diameter D2 | | | | | | | | |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 |
| 100 | 7.72 | | | | | | | | |
| 125 | 9.03 | 9.03 | | | | | | | |
| 150 | | 13.34 | 11.53 | | | | | | |
| 160 | | 10.31 | 10.31 | 11.18 | | | | | |
| 180 | | | 14.69 | 13.34 | 13.34 | | | | |
| 200 | | 18.01 | 18.01 | 16.33 | 13.83 | | | | |
| 224 | | | | 19.17 | 20.01 | 19.85 | 19.35 | | |
| 250 | | | 20.84 | 21.34 | 21.83 | | 21.68 | 21.68 | |
| 300 | | | | | | | 34.19 | | 25.00 |
| 315 | | | | | | | | | 24.01 |

▼ Dimension 'L'

| Diameter 'D1' | Diameter D2 | | | | | | | | |
|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 |
| 100 | 18 | | | | | | | | |
| 125 | 28 | 22 | | | | | | | |
| 150 | | 34 | 22 | | | | | | |
| 160 | | 37 | 26 | 14 | | | | | |
| 180 | | | 37 | 24 | 19 | | | | |
| 200 | | 58 | 46 | 34 | 26 | | | | |
| 224 | | | | 45 | 40 | 30 | 20 | | |
| 250 | | | 70 | 59 | 53 | | 40 | 20 | |
| 300 | | | | | | 0 | 65 | | 40 |
| 315 | | | | | | | | | 40 |

► Long Fabricated Reducers



Concentric
Code
RCL

Concentric
Code
RCFL

Eccentric
Code
REL

Eccentric
Code
REFL

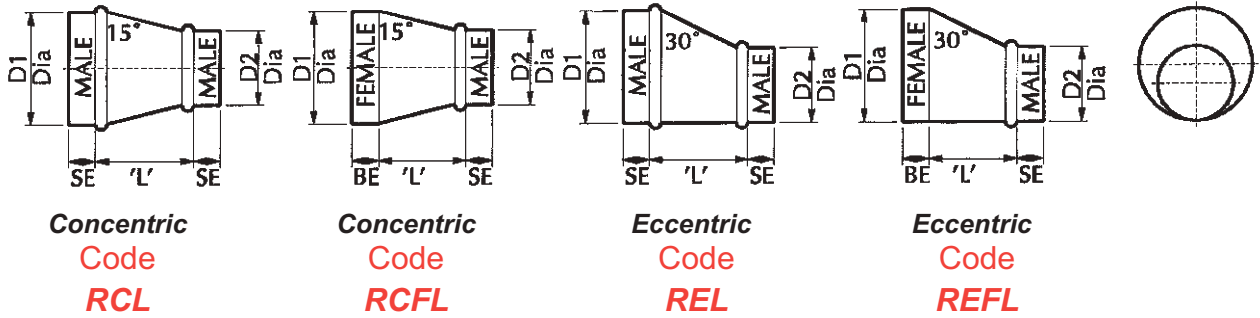
▼ Prices Concentric (Eccentric PLUS 30%)

| Diameter 'D1' | Diameter D2 | | | | | | | | |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|--|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | |
| 100 | 14.70 | | | | | | | | |
| 125 | 14.70 | 14.70 | | | | | | | |
| 150 | 15.21 | 15.21 | 14.70 | | | | | | |
| 160 | 15.12 | 16.19 | 17.11 | 14.37 | | | | | |
| 180 | 18.37 | 17.11 | 17.11 | 17.11 | 17.11 | | | | |
| 200 | | 19.73 | 19.73 | 17.11 | 17.11 | 17.11 | | | |
| 224 | | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | | |
| 250 | | 24.95 | 24.55 | 24.24 | 24.24 | 24.24 | 22.30 | 22.30 | |
| 280 | | | | 28.90 | 28.90 | 28.90 | 27.55 | 26.30 | |
| 300 | | 37.46 | | 37.46 | 37.46 | 36.14 | 36.14 | 36.14 | |
| 315 | | | | 39.35 | 36.14 | 36.14 | 36.14 | 36.14 | |
| 355 | | | | | | | 44.58 | 42.59 | |
| 400 | | | | | | | 49.20 | 49.20 | |

▼ Dimension 'L'

| Diameter 'D1' | Diameter D2 | | | | | | | | |
|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|--|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | |
| 100 | 70 | | | | | | | | |
| 125 | 110 | 80 | | | | | | | |
| 150 | 150 | 120 | 80 | | | | | | |
| 160 | 170 | 135 | 90 | 50 | | | | | |
| 180 | 205 | 170 | 135 | 80 | 70 | | | | |
| 200 | | 205 | 160 | 120 | 120 | 70 | | | |
| 224 | | 245 | 205 | 160 | 140 | 110 | 70 | | |
| 250 | | 290 | 245 | 205 | 190 | 150 | 110 | 80 | |
| 280 | | | | 255 | 240 | 205 | 170 | 130 | |
| 300 | | | | 280 | 280 | 240 | 205 | 160 | |
| 315 | | | | 315 | 310 | 270 | 230 | 190 | |
| 355 | | | | | | | 300 | 260 | |
| 400 | | | | | | | 380 | 330 | |

► Long Fabricated Reducers



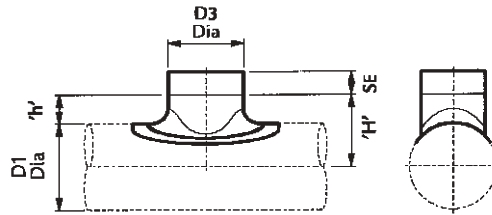
▼ Prices Concentric (Eccentric Plus 30%)

| Diameter 'D1' | Diameter D2 | | | | | | | | | | | | | | | | | | |
|---------------|-------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1118 | 1250 | 1422 | |
| 280 | 24.24 | | | | | | | | | | | | | | | | | | |
| 300 | 36.14 | 36.14 | | | | | | | | | | | | | | | | | |
| 315 | 36.14 | 36.14 | 36.14 | | | | | | | | | | | | | | | | |
| 355 | 42.59 | 36.14 | 36.14 | 36.14 | | | | | | | | | | | | | | | |
| 400 | 49.20 | 49.83 | 49.83 | 49.83 | 42.59 | | | | | | | | | | | | | | |
| 450 | 52.52 | 50.53 | 50.53 | 50.53 | 46.03 | 46.03 | | | | | | | | | | | | | |
| 500 | 59.10 | 55.78 | 55.78 | 55.78 | 50.53 | 47.92 | 47.92 | | | | | | | | | | | | |
| 560 | 72.20 | 72.20 | 72.20 | 72.20 | 68.92 | 68.56 | 68.56 | 68.27 | | | | | | | | | | | |
| 600 | | | 72.20 | 72.20 | 68.92 | 68.92 | 68.92 | 67.61 | 67.61 | | | | | | | | | | |
| 630 | | | 78.77 | 78.77 | 78.98 | 75.49 | 75.49 | 75.49 | 75.49 | 75.49 | | | | | | | | | |
| 710 | | | | | 137.86 | 137.86 | 131.23 | 131.23 | 131.23 | 121.40 | 121.40 | | | | | | | | |
| 800 | | | | | | | | 100.46 | 137.55 | 137.55 | 129.24 | 129.24 | | | | | | | |
| 900 | | | | | | | | 206.75 | 206.75 | 193.60 | 193.60 | 193.60 | 193.60 | | | | | | |
| 1000 | | | | | | | | 206.75 | 206.75 | 262.53 | 262.53 | 216.63 | 216.63 | 207.30 | | | | | |
| 1118 | | | | | | | | | | | | 275.62 | 275.62 | 328.17 | 318.31 | 314.05 | | | |
| 1250 | | | | | | | | | | | | 491.92 | 460.44 | 424.23 | 367.13 | 328.49 | 282.73 | | |
| 1422 | | | | | | | | | | | | | | 606.84 | 533.16 | 485.60 | 440.71 | 393.17 | |
| 1524 | | | | | | | | | | | | | | 765.23 | 655.85 | 633.19 | 582.26 | 534.16 | 435.06 |

▼ Dimension 'L'

| Diameter 'D1' | Diameter D2 | | | | | | | | | | | | | | | | | | |
|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|------|------|------|-----|
| | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1118 | 1250 | 1422 | |
| 280 | 80 | | | | | | | | | | | | | | | | | | |
| 300 | 110 | 70 | | | | | | | | | | | | | | | | | |
| 315 | 140 | 90 | 56 | | | | | | | | | | | | | | | | |
| 355 | 210 | 160 | 125 | 100 | | | | | | | | | | | | | | | |
| 400 | 290 | 240 | 200 | 180 | 110 | | | | | | | | | | | | | | |
| 450 | 380 | 320 | 290 | 250 | 195 | 120 | | | | | | | | | | | | | |
| 500 | 470 | 410 | 476 | 350 | 280 | 200 | 120 | | | | | | | | | | | | |
| 560 | 480 | 510 | 480 | 455 | 390 | 305 | 220 | 140 | | | | | | | | | | | |
| 600 | 636 | 584 | 550 | 554 | 454 | 376 | 290 | 203 | 100 | | | | | | | | | | |
| 630 | | | 600 | 575 | 510 | 430 | 340 | 235 | 150 | 70 | | | | | | | | | |
| 710 | | | | | 650 | 570 | 480 | 393 | 290 | 200 | 170 | | | | | | | | |
| 800 | | | | | | 722 | 636 | 550 | 445 | 376 | 325 | 188 | | | | | | | |
| 900 | | | | | | | | 722 | 619 | 550 | 500 | 360 | 203 | | | | | | |
| 1000 | | | | | | | | 900 | 792 | 722 | 670 | 532 | 376 | 203 | | | | | |
| 1118 | | | | | | | | | | | 875 | 740 | 560 | 380 | 210 | | | | |
| 1250 | | | | | | | | | | | 1100 | 965 | 810 | 636 | 463 | 258 | | | |
| 1422 | | | | | | | | | | | | | 1090 | 910 | 730 | 560 | 380 | | |
| 1524 | | | | | | | | | | | | | | 1260 | 1090 | 910 | 730 | 560 | 210 |

► **Pressed Saddles** Suitable for mounting onto spiral tube.



Code **PS**

▼
Prices

| Diameter 'D1' | Dimensions D3 | | | | | | | | | | | | |
|------------------|---------------|------|------|-------|-------|-------|-------|-------|-------|-----|-------|-------|--|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | |
| 80 | 7.09 | | | | | | | | | | | | |
| 100 | 7.09 | 7.09 | | | | | | | | | | | |
| 125 | 7.09 | 7.09 | 8.25 | | | | | | | | | | |
| 150 | 7.09 | 7.09 | 8.25 | 11.02 | | | | | | | | | |
| 160 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | | | | | | | | |
| 180 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | | | | | | | |
| 200 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | | | | | | |
| 224 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | 19.96 | | | | | |
| 250 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | 19.96 | 22.43 | | | | |
| 280 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | 19.96 | 22.43 | poa | | | |
| 300 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | 19.96 | 22.43 | poa | 26.64 | | |
| 315 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 355 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | 14.33 | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 400 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | poa | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 450 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | poa | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 500 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | poa | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 560 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | poa | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 600 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | poa | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |
| 630 | 7.09 | 7.09 | 8.25 | 11.02 | 14.33 | poa | 15.62 | 19.96 | 22.43 | poa | 26.64 | 31.60 | |

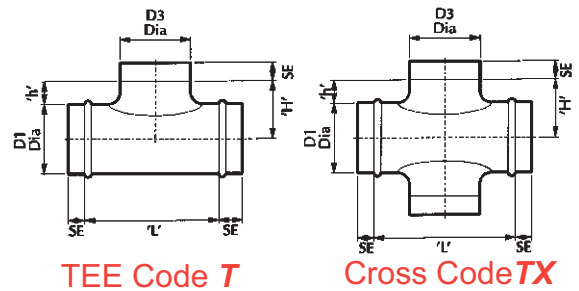
| | | | | | | | | | | | | | |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Dimension 'h' | 12 | 15 | 20 | 20 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|

poa (price on application) supplied fabricated to order. Sizes 180, 224, 300, 315 diameter saddles are only available as 'pressed' fittings whilst existing stocks last.

We can supply all sizes as fabricated items to order.

▶ Pressed Tees & Crosses

Formed by assembling pressed saddles onto fabricated body



**Dimensions
'H' & 'h'
as pressed
saddles**

TEE Code T

Cross Code TX

▼ Prices For Tee (T)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | |
|---------------|-------------|-------|-------|-------|-------|-----|-------|-----|-------|-----|-------|--------|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 |
| 80 | 25.90 | | | | | | | | | | | |
| 100 | 27.49 | 18.34 | | | | | | | | | | |
| 125 | 29.31 | 24.66 | 24.66 | | | | | | | | | |
| 150 | 31.68 | 26.99 | 24.66 | 25.43 | | | | | | | | |
| 160 | 31.68 | 26.99 | 24.66 | 25.43 | 30.83 | | | | | | | |
| 180 | 38.14 | 27.68 | 29.99 | 30.30 | 35.46 | poa | | | | | | |
| 200 | 39.53 | 33.91 | 32.98 | 36.99 | 38.71 | poa | 40.85 | | | | | |
| 224 | 47.76 | 34.68 | 33.67 | 36.99 | 41.92 | poa | 50.23 | poa | | | | |
| 250 | 47.76 | 36.62 | 36.77 | 37.50 | 42.79 | poa | 50.46 | poa | 57.05 | | | |
| 280 | 54.50 | 38.21 | 40.63 | 41.03 | 45.88 | poa | 53.57 | poa | 62.27 | poa | | |
| 300 | 56.52 | 38.79 | 41.07 | 41.67 | 45.88 | poa | 53.57 | poa | 62.27 | poa | 70.91 | |
| 315 | 57.88 | 41.63 | 41.58 | 42.20 | 46.52 | poa | 54.54 | poa | 63.27 | poa | poa | 69.68 |
| 355 | | 47.48 | 45.20 | 48.33 | 51.56 | poa | 63.75 | poa | 72.24 | poa | poa | 81.27 |
| 400 | | 52.16 | 54.40 | 54.29 | 54.29 | poa | 68.53 | poa | 77.21 | poa | poa | 86.11 |
| 450 | | 55.27 | 58.19 | 60.04 | 64.94 | poa | 71.15 | poa | 79.65 | poa | poa | 87.99 |
| 500 | | 57.50 | 59.85 | 62.44 | 69.73 | poa | 76.15 | poa | 83.95 | poa | poa | 92.59 |
| 560 | | 58.88 | 61.15 | 64.04 | 70.29 | poa | 78.12 | poa | 87.02 | poa | poa | 95.43 |
| 600 | | 60.54 | 62.90 | 65.78 | 71.45 | poa | 78.66 | poa | 89.10 | poa | poa | 97.61 |
| 630 | | 63.12 | 65.28 | 68.50 | 73.44 | poa | 82.21 | poa | 92.98 | poa | poa | 101.75 |

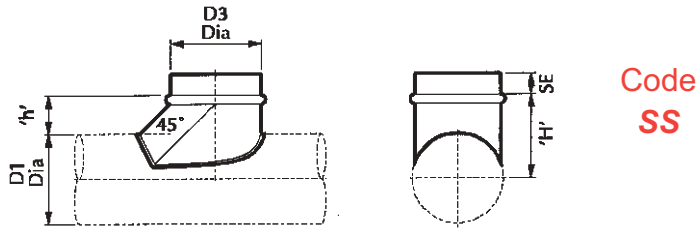
▼ Dimension 'L'

| L = | Diameter D3 | | | | | | | | | | | |
|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 |
| | 140 | 160 | 200 | 245 | 245 | 270 | 300 | 325 | 350 | 430 | 450 | 465 |

▼ Prices For Crosses (TX)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | |
|---------------|-------------|-------|-------|-------|--------|-----|--------|-----|--------|-----|--------|--------|
| | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 |
| 80 | 37.61 | | | | | | | | | | | |
| 100 | 39.91 | 26.59 | | | | | | | | | | |
| 125 | 42.48 | 35.77 | 35.77 | | | | | | | | | |
| 150 | 45.94 | 39.11 | 35.77 | 35.43 | | | | | | | | |
| 160 | 45.94 | 39.11 | 35.77 | 36.87 | 44.71 | | | | | | | |
| 180 | 55.31 | 40.12 | 43.49 | 43.92 | 51.42 | poa | | | | | | |
| 200 | 57.31 | 49.17 | 47.83 | 53.64 | 56.13 | poa | 59.23 | | | | | |
| 224 | 69.23 | 50.29 | 48.80 | 53.64 | 60.76 | poa | 72.81 | poa | | | | |
| 250 | 69.23 | 53.11 | 53.37 | 54.34 | 62.00 | poa | 73.19 | poa | 82.71 | | | |
| 280 | 79.01 | 55.41 | 58.92 | 59.44 | 66.52 | poa | 77.69 | poa | 90.28 | poa | | |
| 300 | 81.93 | 56.22 | 59.51 | 60.45 | 66.52 | poa | 77.69 | poa | 90.28 | poa | 102.85 | |
| 315 | 83.98 | 60.41 | 60.27 | 61.13 | 67.52 | poa | 79.05 | poa | 91.73 | poa | poa | 101.03 |
| 355 | 84.81 | 68.91 | 65.50 | 70.06 | 74.76 | poa | 92.46 | poa | 105.97 | poa | poa | 117.86 |
| 400 | | 75.62 | 78.92 | 78.74 | 78.74 | poa | 99.39 | poa | 111.95 | poa | poa | 124.85 |
| 450 | | 80.10 | 84.36 | 87.10 | 94.14 | poa | 103.19 | poa | 115.46 | poa | poa | 127.59 |
| 500 | | 83.39 | 86.73 | 90.53 | 101.15 | poa | 110.44 | poa | 121.74 | poa | poa | 134.28 |
| 560 | | 85.40 | 88.69 | 92.82 | 101.92 | poa | 113.28 | poa | 126.17 | poa | poa | 138.41 |
| 600 | | 87.77 | 91.21 | 95.35 | 103.62 | poa | 114.07 | poa | 129.22 | poa | poa | 141.52 |
| 630 | | 91.56 | 94.69 | 99.31 | 106.46 | poa | 119.17 | poa | 134.79 | poa | poa | 147.54 |

► Shoe Saddles



Code
SS

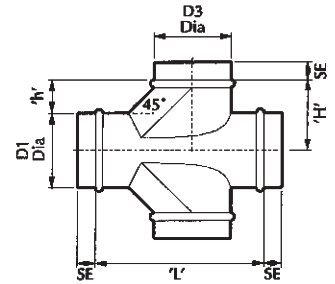
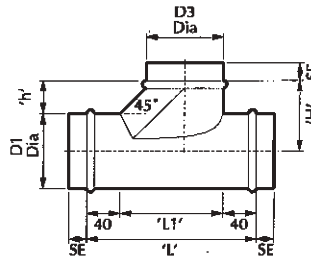
▼ Prices

| Diameter D1 | Diameter D3 | | | | | | | | | | | | | | | | | |
|----------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 24.66 | | | | | | | | | | | | | | | | | |
| 125 | 24.66 | 27.24 | | | | | | | | | | | | | | | | |
| 150 | 24.66 | 24.66 | 26.82 | | | | | | | | | | | | | | | |
| 160 | 24.66 | 27.24 | 29.65 | 32.89 | | | | | | | | | | | | | | |
| 180 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | | | | | | | | | | | | | |
| 200 | 24.66 | 24.66 | 26.82 | 32.89 | 36.04 | 32.39 | | | | | | | | | | | | |
| 224 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | | | | | | | | | | | |
| 250 | 24.66 | 24.66 | 26.82 | 32.89 | 36.04 | 32.39 | 42.31 | 38.54 | | | | | | | | | | |
| 280 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | 42.31 | 54.40 | | | | | | | | | |
| 300 | 24.66 | 24.66 | 26.82 | 32.89 | 36.04 | 32.39 | 42.31 | 38.54 | 54.40 | 54.40 | | | | | | | | |
| 315 | 24.66 | 24.66 | 26.82 | 32.89 | 36.04 | 32.39 | 42.31 | 38.54 | 54.40 | 54.40 | 58.59 | | | | | | | |
| 355 | 24.66 | 27.24 | 29.65 | 32.89 | 36.04 | 32.39 | 42.31 | 38.54 | 54.40 | 49.34 | 64.75 | 86.41 | | | | | | |
| 400 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 32.39 | 42.31 | 38.54 | 54.40 | 54.40 | 64.75 | 86.41 | 101.15 | | | | | |
| 450 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | 42.31 | 54.40 | 49.34 | 64.75 | 86.41 | 101.15 | 121.76 | | | | |
| 500 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | 42.31 | 54.40 | 54.40 | 64.75 | 86.41 | 101.15 | 121.76 | 153.49 | | | |
| 560 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | 42.31 | 54.40 | 54.40 | 64.75 | 86.41 | 101.15 | 121.76 | 153.49 | 170.64 | | |
| 600 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | 42.31 | 54.40 | 54.40 | 64.75 | 86.41 | 101.15 | 121.76 | 153.49 | 170.64 | 188.62 | |
| 630 | 26.93 | 27.24 | 29.65 | 32.89 | 36.04 | 36.04 | 42.31 | 42.31 | 54.40 | 54.40 | 64.75 | 86.41 | 101.15 | 121.76 | 153.49 | 170.64 | 188.62 | 231.50 |

| Dim 'h' | 75 | 75 | 75 | 75 | 75 | 75 | 110 | 110 | 110 | 110 | 125 | 125 | 125 | 160 | 160 | 160 | 160 | 210 |
|---------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | | | | | | | | | | | | | |

► Shoe Tees / Crosses

Dimensions
'H' & 'h'
as shoe
saddles



TEE Code **TS**

Cross Code **TSX**

Prices for Tee (TS)

L1 equals L-80

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 62.24 | | | | | | | | | | | | | | | | | |
| 125 | 63.40 | 66.33 | | | | | | | | | | | | | | | | |
| 150 | 65.38 | 67.79 | 73.44 | | | | | | | | | | | | | | | |
| 160 | 65.38 | 68.39 | 73.44 | 72.24 | | | | | | | | | | | | | | |
| 180 | 69.57 | 68.75 | 78.00 | 78.16 | 85.38 | | | | | | | | | | | | | |
| 200 | 72.16 | 74.97 | 80.76 | 80.89 | 86.94 | 90.89 | | | | | | | | | | | | |
| 224 | 74.56 | 77.49 | 83.56 | 83.64 | 88.63 | 93.87 | 99.65 | | | | | | | | | | | |
| 250 | 77.55 | 80.20 | 86.60 | 86.71 | 91.83 | 97.18 | 104.99 | 114.23 | | | | | | | | | | |
| 280 | 82.83 | 85.77 | 92.09 | 92.30 | 99.14 | 104.66 | 111.91 | 120.18 | 129.89 | | | | | | | | | |
| 300 | 84.60 | 87.71 | 94.34 | 94.42 | 99.09 | 105.093 | 114.23 | 123.00 | 135.41 | 147.17 | | | | | | | | |
| 315 | 84.60 | 87.71 | 94.34 | 94.42 | 99.09 | 105.09 | 114.23 | 123.00 | 135.41 | 147.17 | 148.62 | | | | | | | |
| 355 | 88.24 | 91.38 | 98.46 | 98.46 | 103.15 | 109.30 | 116.46 | 127.43 | 137.50 | 152.24 | 153.58 | 178.22 | | | | | | |
| 400 | 94.01 | 97.39 | 104.29 | 104.48 | 109.51 | 115.67 | 122.74 | 134.18 | 144.60 | 159.69 | 160.86 | 186.086 | 204.40 | | | | | |
| 450 | 98.13 | 101.80 | 109.02 | 109.69 | 114.10 | 120.66 | 128.29 | 139.78 | 149.78 | 165.13 | 166.47 | 193.36 | 212.05 | 233.50 | | | | |
| 500 | 103.15 | 107.05 | 114.23 | 114.57 | 119.66 | 122.39 | 134.33 | 145.59 | 156.03 | 171.58 | 173.00 | 200.97 | 220.92 | 241.95 | 265.86 | | | |
| 560 | 107.56 | 111.63 | 119.52 | 119.66 | 125.07 | 131.77 | 139.41 | 151.42 | 161.96 | 178.49 | 179.93 | 209.24 | 228.64 | 250.59 | 276.80 | 297.63 | | |
| 600 | 110.87 | 114.75 | 123.31 | 123.41 | 128.63 | 135.94 | 143.61 | 155.63 | 168.11 | 182.87 | 184.13 | 215.27 | 235.26 | 258.00 | 284.39 | 311.44 | 306.23 | |
| 630 | 113.57 | 117.93 | 126.10 | 126.20 | 130.45 | 138.98 | 146.99 | 159.17 | 170.08 | 186.34 | 187.72 | 218.95 | 238.66 | 263.24 | 290.52 | 317.90 | 340.66 | 357.87 |

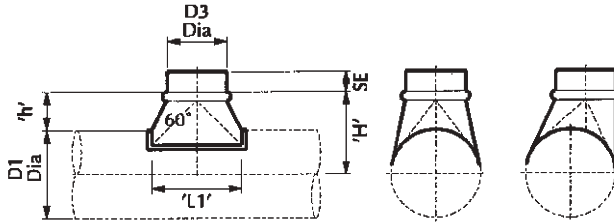
Dimension 'L'

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| L = | 225 | 270 | 295 | 305 | 325 | 345 | 404 | 430 | 460 | 480 | 510 | 550 | 595 | 680 | 730 | 790 | 840 | 910 |

Prices for Crosses (TSX)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 90.27 | | | | | | | | | | | | | | | | | |
| 125 | 91.93 | 96.19 | | | | | | | | | | | | | | | | |
| 150 | 94.80 | 98.27 | 106.49 | | | | | | | | | | | | | | | |
| 160 | 94.80 | 98.27 | 106.49 | 104.77 | | | | | | | | | | | | | | |
| 180 | 100.27 | 99.69 | 113.15 | 113.31 | 123.78 | | | | | | | | | | | | | |
| 200 | 104.65 | 108.69 | 117.14 | 117.30 | 126.07 | 131.80 | | | | | | | | | | | | |
| 224 | 108.13 | 112.35 | 121.12 | 121.28 | 128.52 | 136.15 | 144.52 | | | | | | | | | | | |
| 250 | 112.45 | 116.30 | 125.60 | 125.73 | 133.19 | 140.95 | 152.22 | 165.63 | | | | | | | | | | |
| 280 | 120.06 | 124.36 | 133.51 | 133.77 | 143.80 | 151.70 | 162.28 | 174.30 | 188.36 | | | | | | | | | |
| 300 | 122.67 | 127.23 | 136.77 | 136.93 | 143.72 | 152.41 | 165.63 | 178.36 | 196.32 | 213.38 | | | | | | | | |
| 315 | 122.67 | 127.23 | 136.77 | 136.93 | 143.72 | 152.41 | 165.63 | 178.36 | 196.32 | 213.38 | 215.49 | | | | | | | |
| 355 | 127.96 | 132.52 | 142.75 | 142.75 | 149.54 | 158.47 | 168.92 | 184.80 | 199.32 | 220.78 | 222.65 | 258.39 | | | | | | |
| 400 | 136.29 | 141.17 | 151.27 | 151.49 | 158.80 | 167.73 | 177.98 | 194.53 | 209.69 | 231.27 | 233.18 | 269.88 | 296.40 | | | | | |
| 450 | 142.32 | 147.61 | 158.09 | 159.06 | 165.48 | 174.99 | 186.04 | 202.65 | 217.21 | 239.45 | 241.38 | 280.39 | 307.43 | 338.67 | | | | |
| 500 | 149.54 | 155.22 | 165.63 | 166.14 | 173.48 | 177.48 | 194.79 | 211.13 | 226.22 | 248.84 | 250.86 | 291.43 | 320.36 | 350.79 | 385.48 | | | |
| 560 | 155.94 | 161.89 | 173.34 | 173.48 | 181.38 | 191.05 | 202.19 | 219.54 | 234.84 | 258.79 | 260.73 | 303.06 | 331.48 | 363.36 | 401.34 | 431.56 | | |
| 600 | 160.86 | 170.96 | 178.82 | 178.94 | 186.52 | 197.07 | 208.26 | 225.64 | 243.79 | 265.14 | 267.00 | 312.15 | 341.14 | 374.11 | 412.39 | 451.64 | 486.08 | |
| 630 | 164.65 | 170.96 | 182.87 | 183.03 | 189.18 | 201.55 | 213.18 | 230.79 | 246.61 | 270.26 | 272.17 | 317.46 | 346.02 | 381.71 | 421.15 | 460.99 | 493.96 | 518.88 |

► Conical Saddles



Equal
Code
CES

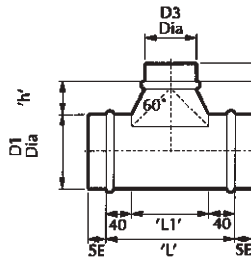
Flatback
Code
CFBS

▼ Prices

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 |
| 100 | 28.79 | | | | | | | | | | | | | | | | |
| 125 | 28.79 | 29.86 | | | | | | | | | | | | | | | |
| 150 | 28.79 | 29.86 | 30.83 | | | | | | | | | | | | | | |
| 160 | 28.79 | 29.86 | 30.83 | 31.28 | | | | | | | | | | | | | |
| 180 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | | | | | | | | | | | | |
| 200 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | | | | | | | | | | | |
| 224 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | | | | | | | | | | |
| 250 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | | | | | | | | | |
| 280 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | | | | | | | | |
| 300 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | | | | | | | |
| 315 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | | | | | | |
| 355 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | 67.12 | | | | | |
| 400 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | 67.12 | 76.80 | | | | |
| 450 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | 67.12 | 76.80 | 90.17 | | | |
| 500 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | 67.12 | 76.80 | 90.17 | 99.03 | | |
| 560 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | 67.12 | 76.80 | 90.17 | 99.03 | 108.85 | |
| 600 | 28.79 | 29.86 | 30.83 | 31.28 | 32.08 | 34.95 | 38.63 | 42.05 | 45.69 | 50.87 | 61.89 | 67.12 | 76.80 | 90.17 | 99.03 | 108.85 | 145.62 |

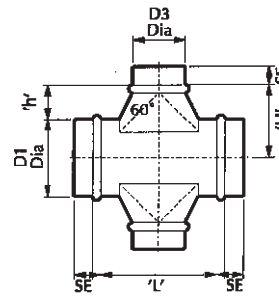
| | | | | | | | | | | | | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dim 'h' | 75 | 75 | 75 | 75 | 75 | 75 | 110 | 110 | 110 | 110 | 125 | 125 | 125 | 160 | 160 | 160 | 210 |
| Dim 'L1' | 186 | 211 | 236 | 246 | 266 | 286 | 352 | 378 | 408 | 428 | 459 | 499 | 544 | 634 | 684 | 744 | 842 |

► Conical Tees / Crosses



Dimensions 'H' & 'h'
as conical saddles
L1 equals L-80

Tees



Crosses

TEE Code
CROSS Codes



TCE
TCEX

TCFB
TCFBX

Prices for Tee (TCE, TCFB)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | |
|---------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 |
| 100 | 57.15 | | | | | | | | | | | | | | | | |
| 125 | 61.71 | 63.05 | | | | | | | | | | | | | | | |
| 150 | 65.62 | 65.62 | 74.83 | | | | | | | | | | | | | | |
| 160 | 65.62 | 67.61 | 76.80 | 77.61 | | | | | | | | | | | | | |
| 180 | 68.60 | 70.29 | 78.77 | 79.35 | 82.78 | | | | | | | | | | | | |
| 200 | 73.03 | 72.17 | 81.10 | 86.42 | 82.78 | 87.67 | | | | | | | | | | | |
| 224 | 78.77 | 76.80 | 85.31 | 88.63 | 89.24 | 91.86 | 98.75 | | | | | | | | | | |
| 250 | 80.05 | 80.41 | 88.63 | 93.25 | 92.62 | 94.51 | 102.36 | 111.62 | | | | | | | | | |
| 280 | 86.55 | 83.87 | 93.86 | 98.47 | 98.47 | 99.11 | 106.96 | 111.62 | 125.70 | | | | | | | | |
| 300 | 88.63 | 88.90 | 97.11 | 98.47 | 101.06 | 102.16 | 111.62 | 119.46 | 132.54 | 128.89 | | | | | | | |
| 315 | 91.86 | 90.60 | 99.88 | 98.47 | 103.71 | 105.01 | 113.29 | 122.35 | 133.59 | 129.45 | 140.19 | | | | | | |
| 355 | 98.47 | 96.08 | 106.49 | 101.71 | 108.29 | 110.26 | 119.46 | 128.61 | 141.10 | 134.62 | 145.45 | 151.86 | | | | | |
| 400 | 105.01 | 103.07 | 112.86 | 114.91 | 114.91 | 114.91 | 124.72 | 135.19 | 144.41 | 143.14 | 154.20 | 160.76 | 174.28 | | | | |
| 450 | 113.56 | 110.26 | 114.91 | 114.91 | 114.91 | 121.40 | 133.20 | 141.76 | 150.95 | 155.20 | 166.58 | 173.21 | 186.86 | 198.83 | | | |
| 500 | 121.40 | 123.74 | 124.72 | 128.00 | 124.72 | 128.00 | 139.44 | 149.64 | 161.40 | 163.96 | 175.63 | 182.45 | 196.30 | 198.98 | 220.05 | | |
| 560 | 121.40 | 121.40 | 124.72 | 128.00 | 124.72 | 128.00 | 144.41 | 154.20 | 167.32 | 166.67 | 178.62 | 185.59 | 199.60 | 212.09 | 223.78 | 236.97 | |
| 600 | 121.40 | 121.40 | 129.84 | 128.00 | 124.72 | 128.00 | 144.41 | 154.20 | 167.32 | 168.44 | 180.61 | 187.73 | 201.89 | 214.45 | 226.30 | 239.27 | 250.10 |

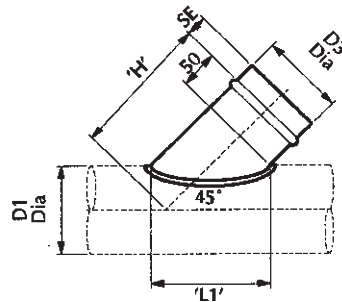
Dimension 'H' & 'L'

| | Diameter D3 | | | | | | | | | | | | | | | | |
|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 |
| H = | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 |
| L = | 266 | 291 | 316 | 326 | 346 | 366 | 432 | 458 | 488 | 508 | 539 | 589 | 624 | 714 | 764 | 824 | 922 |

Prices for Crosses (TCEX, TCFBX)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | |
|---------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 |
| 100 | 82.86 | | | | | | | | | | | | | | | | |
| 125 | 89.46 | 91.44 | | | | | | | | | | | | | | | |
| 150 | 95.12 | 95.12 | 108.50 | | | | | | | | | | | | | | |
| 160 | 95.12 | 98.02 | 111.37 | 112.51 | | | | | | | | | | | | | |
| 180 | 99.46 | 101.90 | 114.18 | 115.07 | 120.06 | | | | | | | | | | | | |
| 200 | 117.58 | 104.65 | 117.58 | 125.30 | 120.06 | 127.12 | | | | | | | | | | | |
| 224 | 123.69 | 111.37 | 123.69 | 128.52 | 129.39 | 133.20 | 143.22 | | | | | | | | | | |
| 250 | 116.12 | 116.58 | 128.52 | 135.20 | 134.32 | 137.03 | 154.61 | 161.84 | | | | | | | | | |
| 280 | 125.49 | 121.61 | 136.12 | 142.77 | 142.77 | 143.73 | 155.10 | 161.84 | 182.24 | | | | | | | | |
| 300 | 128.52 | 127.79 | 140.83 | 142.77 | 146.55 | 148.14 | 161.84 | 173.18 | 192.19 | 186.85 | | | | | | | |
| 315 | 133.20 | 131.41 | 144.84 | 142.77 | 150.40 | 152.23 | 164.22 | 177.42 | 193.72 | 187.73 | 203.28 | | | | | | |
| 355 | 142.77 | 139.37 | 154.41 | 147.49 | 157.03 | 159.88 | 173.18 | 186.51 | 204.56 | 195.21 | 210.90 | 220.19 | | | | | |
| 400 | 152.23 | 149.45 | 163.62 | 166.62 | 166.62 | 166.62 | 180.85 | 196.05 | 209.40 | 207.57 | 223.60 | 233.09 | 252.68 | | | | |
| 450 | 164.65 | 159.88 | 166.62 | 166.62 | 166.62 | 176.05 | 193.12 | 205.54 | 218.86 | 224.98 | 241.56 | 251.18 | 270.96 | 288.29 | | | |
| 500 | 176.05 | 179.44 | 180.85 | 185.63 | 180.85 | 185.63 | 202.19 | 216.95 | 234.04 | 237.76 | 254.64 | 264.50 | 284.62 | 288.52 | 319.05 | | |
| 560 | 176.05 | 176.05 | 180.85 | 185.63 | 180.85 | 185.63 | 209.40 | 223.60 | 242.63 | 241.68 | 258.96 | 269.14 | 289.49 | 307.49 | 324.51 | 343.56 | |
| 600 | 176.05 | 176.05 | 188.29 | 185.63 | 180.85 | 185.63 | 209.40 | 223.60 | 242.63 | 244.15 | 261.89 | 272.21 | 292.72 | 311.02 | 328.17 | 346.93 | 362.68 |

► **45° Branch**



Code
BR

▼
Prices

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 25.28 | | | | | | | | | | | | | | | | | |
| 125 | 25.28 | 26.04 | | | | | | | | | | | | | | | | |
| 150 | 25.28 | 26.04 | 29.30 | | | | | | | | | | | | | | | |
| 160 | 25.28 | 26.04 | 29.30 | 29.69 | | | | | | | | | | | | | | |
| 180 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | | | | | | | | | | | | | |
| 200 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | | | | | | | | | | | | |
| 224 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | | | | | | | | | | | |
| 250 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | | | | | | | | | | |
| 280 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | | | | | | | | | |
| 300 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | | | | | | | | |
| 315 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | | | | | | | |
| 355 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | | | | | | |
| 400 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | 70.41 | | | | | |
| 450 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | 70.41 | 79.55 | | | | |
| 500 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | 70.41 | 79.55 | 89.20 | | | |
| 560 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | 70.41 | 79.55 | 89.20 | 100.40 | | |
| 600 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | 70.41 | 79.55 | 89.20 | 100.40 | 109.79 | |
| 630 | 25.28 | 26.04 | 29.30 | 29.69 | 30.61 | 33.82 | 37.38 | 41.11 | 47.55 | 53.49 | 54.57 | 64.44 | 70.41 | 79.55 | 89.20 | 100.40 | 109.79 | 118.23 |

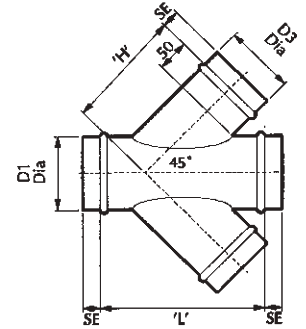
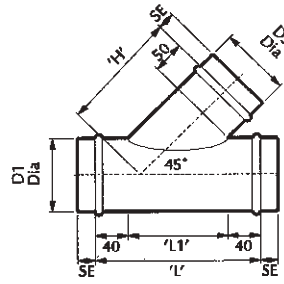
▼
Dimension 'H'

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 170 | | | | | | | | | | | | | | | | | |
| 125 | 188 | 200 | | | | | | | | | | | | | | | | |
| 150 | 205 | 217 | 230 | | | | | | | | | | | | | | | |
| 160 | 212 | 224 | 237 | 242 | | | | | | | | | | | | | | |
| 180 | 227 | 239 | 252 | 257 | 267 | | | | | | | | | | | | | |
| 200 | 241 | 253 | 266 | 271 | 281 | 291 | | | | | | | | | | | | |
| 224 | 257 | 269 | 282 | 287 | 297 | 307 | 319 | | | | | | | | | | | |
| 250 | 276 | 288 | 301 | 306 | 316 | 326 | 338 | 351 | | | | | | | | | | |
| 280 | 297 | 310 | 322 | 327 | 337 | 347 | 359 | 372 | 387 | | | | | | | | | |
| 300 | 311 | 323 | 336 | 341 | 351 | 361 | 373 | 386 | 401 | 411 | | | | | | | | |
| 315 | 322 | 335 | 347 | 352 | 362 | 372 | 384 | 397 | 412 | 422 | 429 | | | | | | | |
| 355 | 350 | 362 | 375 | 380 | 390 | 400 | 412 | 425 | 440 | 450 | 457 | 477 | | | | | | |
| 400 | 382 | 394 | 407 | 412 | 422 | 432 | 444 | 457 | 472 | 482 | 489 | 509 | 532 | | | | | |
| 450 | 417 | 429 | 442 | 447 | 457 | 467 | 479 | 492 | 507 | 517 | 524 | 544 | 567 | 592 | | | | |
| 500 | 452 | 464 | 477 | 482 | 492 | 514 | 514 | 527 | 542 | 559 | 559 | 579 | 602 | 627 | 652 | | | |
| 560 | 495 | 508 | 520 | 525 | 535 | 557 | 557 | 570 | 585 | 602 | 602 | 622 | 670 | 670 | 695 | 725 | | |
| 600 | 530 | 543 | 555 | 560 | 570 | 592 | 592 | 605 | 620 | 637 | 637 | 680 | 705 | 705 | 730 | 760 | 785 | |
| 630 | 544 | 557 | 569 | 574 | 594 | 594 | 606 | 619 | 634 | 652 | 652 | 695 | 719 | 719 | 744 | 774 | 799 | 809 |

| Dim 'L1' | 141 | 176 | 211 | 225 | 253 | 282 | 315 | 352 | 394 | 423 | 444 | 500 | 564 | 634 | 705 | 790 | 860 | 888 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

▶ 45° Branch Tees / Crosses

Dimensions
'H' & 'L'
as 45° Branch



TEE Code **TBR**

Cross Code **TBRX**

Prices for Tee (TBR)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 61.65 | | | | | | | | | | | | | | | | | |
| 125 | 62.19 | 63.19 | | | | | | | | | | | | | | | | |
| 150 | 64.44 | 63.85 | 68.21 | | | | | | | | | | | | | | | |
| 160 | 64.64 | 65.78 | 70.17 | 70.67 | | | | | | | | | | | | | | |
| 180 | 65.16 | 66.26 | 70.67 | 71.35 | 72.24 | | | | | | | | | | | | | |
| 200 | 67.20 | 68.40 | 72.92 | 73.47 | 74.57 | 79.09 | | | | | | | | | | | | |
| 224 | 71.44 | 72.65 | 77.27 | 77.83 | 78.98 | 83.58 | 88.37 | | | | | | | | | | | |
| 250 | 74.99 | 76.37 | 80.94 | 81.57 | 82.83 | 87.41 | 92.30 | 92.30 | | | | | | | | | | |
| 280 | 77.36 | 78.77 | 83.56 | 84.11 | 85.45 | 90.04 | 95.01 | 100.21 | 109.07 | | | | | | | | | |
| 300 | 81.14 | 82.50 | 87.41 | 88.06 | 89.30 | 94.06 | 99.06 | 104.27 | 113.30 | 120.83 | | | | | | | | |
| 315 | 84.79 | 86.18 | 91.09 | 91.78 | 93.07 | 97.81 | 102.82 | 108.16 | 117.19 | 125.49 | 126.83 | | | | | | | |
| 355 | 85.78 | 87.32 | 92.30 | 92.99 | 94.43 | 99.22 | 104.29 | 109.72 | 118.94 | 127.32 | 128.64 | 142.35 | | | | | | |
| 400 | 93.39 | 95.01 | 100.19 | 100.83 | 102.35 | 107.28 | 112.58 | 118.08 | 127.44 | 135.94 | 137.35 | 151.17 | 159.38 | | | | | |
| 450 | 101.11 | 102.93 | 108.13 | 108.91 | 110.48 | 115.65 | 120.94 | 126.65 | 136.05 | 144.66 | 146.16 | 160.28 | 168.68 | 181.29 | | | | |
| 500 | 105.55 | 107.57 | 112.86 | 113.71 | 115.50 | 120.60 | 126.10 | 131.83 | 141.51 | 150.22 | 151.74 | 166.13 | 174.72 | 187.48 | 200.81 | | | |
| 560 | 110.30 | 112.35 | 117.89 | 118.80 | 120.74 | 125.94 | 131.58 | 137.55 | 147.26 | 156.20 | 157.89 | 172.45 | 181.33 | 194.39 | 208.01 | 223.35 | | |
| 600 | 114.51 | 116.84 | 122.35 | 123.31 | 125.20 | 130.54 | 136.29 | 142.38 | 152.28 | 161.39 | 162.97 | 177.62 | 186.85 | 200.16 | 213.88 | 229.60 | 243.14 | |
| 630 | 118.52 | 120.80 | 126.54 | 127.44 | 129.45 | 134.84 | 140.71 | 146.88 | 156.98 | 165.87 | 167.60 | 185.52 | 191.73 | 205.22 | 219.12 | 235.01 | 248.71 | 259.61 |

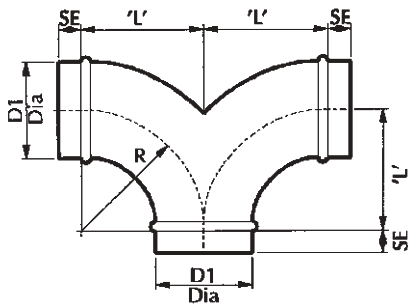
Dimension 'H' & 'L'

| | Diameter D3 | | | | | | | | | | | | | | | | | |
|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| H = | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| L = | 221 | 256 | 291 | 305 | 333 | 362 | 395 | 432 | 474 | 503 | 524 | 580 | 644 | 714 | 785 | 870 | 940 | 968 |

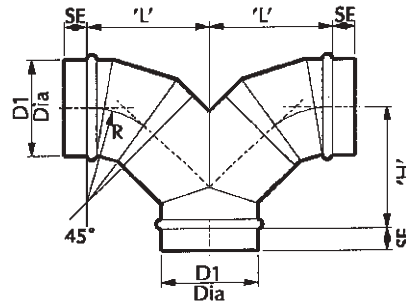
Prices for Crosses (TBRX)

| Diameter 'D1' | Diameter D3 | | | | | | | | | | | | | | | | | |
|---------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
| 100 | 89.37 | | | | | | | | | | | | | | | | | |
| 125 | 90.19 | 91.60 | | | | | | | | | | | | | | | | |
| 150 | 93.41 | 92.61 | 98.93 | | | | | | | | | | | | | | | |
| 160 | 93.74 | 95.34 | 101.79 | 102.52 | | | | | | | | | | | | | | |
| 180 | 94.44 | 96.07 | 102.52 | 103.43 | 104.77 | | | | | | | | | | | | | |
| 200 | 97.47 | 99.17 | 105.74 | 106.54 | 106.84 | 114.70 | | | | | | | | | | | | |
| 224 | 103.60 | 105.35 | 112.13 | 112.86 | 114.52 | 121.17 | 128.09 | | | | | | | | | | | |
| 250 | 108.75 | 110.70 | 117.37 | 118.26 | 120.06 | 126.69 | 133.77 | 141.17 | | | | | | | | | | |
| 280 | 112.23 | 114.23 | 121.12 | 121.99 | 123.88 | 130.54 | 137.76 | 145.35 | 158.15 | | | | | | | | | |
| 300 | 117.63 | 119.67 | 126.69 | 127.69 | 129.49 | 136.38 | 143.61 | 151.16 | 164.22 | 175.23 | | | | | | | | |
| 315 | 122.95 | 125.00 | 132.11 | 133.08 | 134.99 | 141.80 | 150.71 | 156.87 | 169.90 | 181.97 | 183.94 | | | | | | | |
| 355 | 124.36 | 126.61 | 133.77 | 134.84 | 136.93 | 143.84 | 151.27 | 159.08 | 172.48 | 184.65 | 186.52 | 206.39 | | | | | | |
| 400 | 135.41 | 137.76 | 145.23 | 146.21 | 148.39 | 155.55 | 163.25 | 171.25 | 184.80 | 197.06 | 199.19 | 219.22 | 231.10 | | | | | |
| 450 | 146.60 | 149.29 | 156.77 | 157.91 | 160.18 | 167.68 | 175.36 | 183.66 | 197.33 | 209.75 | 211.92 | 232.41 | 244.56 | 262.81 | | | | |
| 500 | 153.05 | 155.94 | 163.60 | 164.86 | 167.52 | 174.86 | 182.87 | 191.20 | 205.18 | 217.88 | 220.08 | 240.83 | 253.37 | 271.90 | 291.12 | | | |
| 560 | 159.92 | 162.94 | 170.90 | 172.32 | 175.09 | 182.61 | 190.78 | 199.41 | 213.59 | 226.46 | 228.84 | 250.02 | 262.93 | 281.89 | 301.61 | 323.86 | | |
| 600 | 166.05 | 169.33 | 177.42 | 178.82 | 181.55 | 189.25 | 197.63 | 206.49 | 220.87 | 234.02 | 236.27 | 257.57 | 270.93 | 290.22 | 310.11 | 332.87 | 352.52 | |
| 630 | 171.81 | 175.11 | 183.38 | 184.80 | 187.73 | 195.50 | 204.02 | 212.97 | 227.61 | 240.51 | 243.04 | 269.01 | 278.05 | 297.55 | 317.74 | 340.74 | 360.67 | 376.40 |

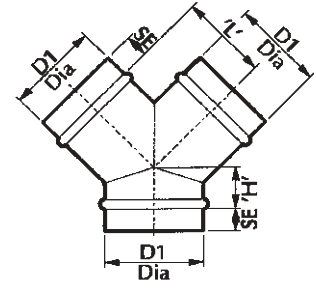
► Twin Bends



Pressed Twin Bend Code **TBP**



Fabricated Twin Bend Code **TBF**



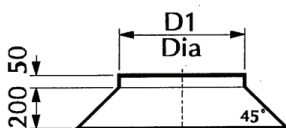
Fabricated 'Y' 45° Code **Y45**

| Diameter 'D1' | Dimensions | | Prices |
|---------------|------------|-----|--------|
| | 'R' | 'L' | |
| 80 | 100 | 100 | 82.30 |
| 100 | 100 | 100 | 82.30 |
| 125 | 125 | 125 | 89.21 |
| 150 | 150 | 150 | 102.91 |
| 160 | 160 | 160 | 106.33 |
| 180 | 180 | 180 | 137.20 |
| 200 | 200 | 200 | 144.08 |
| 224 | 224 | 224 | 168.08 |
| 250 | 250 | 250 | 168.08 |

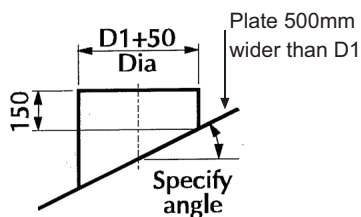
| Diameter 'D1' | Dimensions | | | Prices |
|---------------|------------|------|------|---------|
| | 'R' | 'L' | 'H' | |
| 280 | 280 | 325 | 292 | 212.91 |
| 300 | 300 | 346 | 309 | 212.91 |
| 315 | 315 | 361 | 321 | 218.48 |
| 355 | 355 | 405 | 356 | 252.09 |
| 400 | 400 | 453 | 395 | 308.10 |
| 450 | 450 | 505 | 437 | 364.13 |
| 500 | 500 | 558 | 480 | 392.13 |
| 560 | 560 | 622 | 531 | 504.20 |
| 600 | 600 | 664 | 565 | 532.19 |
| 630 | 630 | 690 | 584 | 560.19 |
| 710 | 710 | 781 | 659 | 728.24 |
| 800 | 800 | 848 | 708 | 1064.36 |
| 900 | 900 | 983 | 821 | 1400.47 |
| 1000 | 1000 | 1089 | 906 | 1695.19 |
| 1118 | 1118 | 1216 | 1009 | 2162.81 |
| 1250 | 1250 | 1354 | 1120 | 2557.40 |

| Diameter 'D1' | Dimensions | | Prices |
|---------------|------------|-----|---------|
| | 'L' | 'H' | |
| 280 | 180 | 83 | 131.27 |
| 300 | 190 | 87 | 132.37 |
| 315 | 197 | 90 | 133.37 |
| 355 | 217 | 98 | 169.54 |
| 400 | 240 | 108 | 180.70 |
| 450 | 265 | 118 | 210.13 |
| 500 | 290 | 129 | 239.10 |
| 560 | 320 | 141 | 274.93 |
| 600 | 340 | 149 | 308.99 |
| 630 | 355 | 155 | 338.75 |
| 710 | 395 | 172 | 452.15 |
| 800 | 440 | 191 | 641.71 |
| 900 | 490 | 211 | 897.49 |
| 1000 | 540 | 232 | 1116.86 |
| 1118 | 600 | 257 | 1607.13 |
| 1250 | 665 | 284 | 1690.25 |

► Weatherings / Cravats



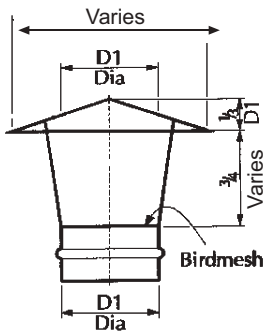
Cravat Code **CR**



Roof Plate Code **RP**

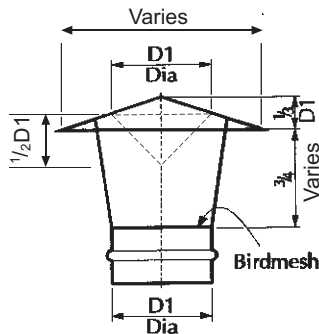
| Diameter 'D1' | CR Prices | RP Prices |
|---------------|-----------|-----------|
| 100 | 46.31 | 54.00 |
| 125 | 46.51 | 54.23 |
| 150 | 49.21 | 57.37 |
| 160 | 49.31 | 57.50 |
| 180 | 49.47 | 57.68 |
| 200 | 53.20 | 62.03 |
| 224 | 79.45 | 92.64 |
| 250 | 72.61 | 84.66 |
| 280 | 79.45 | 92.64 |
| 300 | 86.50 | 100.85 |
| 315 | 93.41 | 108.91 |
| 355 | 99.93 | 116.51 |
| 400 | 121.12 | 141.22 |
| 450 | 138.31 | 161.27 |
| 500 | 160.35 | 186.96 |
| 560 | 163.35 | 190.46 |
| 600 | 165.33 | 192.77 |
| 630 | 186.39 | 217.33 |
| 710 | 214.83 | 250.49 |
| 800 | 259.31 | 302.35 |
| 900 | 294.84 | 343.78 |
| 1000 | 297.92 | 347.38 |

► Terminals



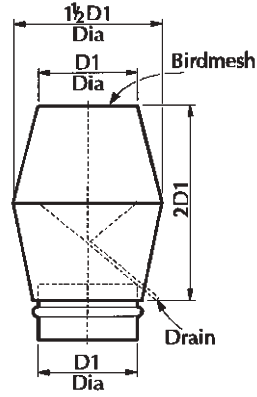
**Rain Cowl
without inverter**

Code
RC



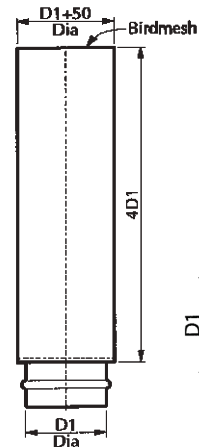
**Rain Cowl
with inverter**

Code
RCI



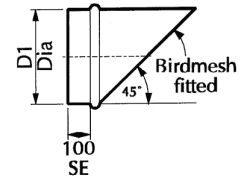
Jet Cowl

Code
JC



Vertical Cowl

Code
VC



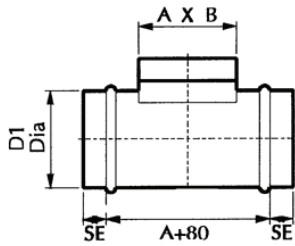
**Side Discharge
Terminal**

Code
SDT

| Diameter 'D1' | RC | RCI | JC | VC | SDT |
|---------------|--------|--------|---------|--------|--------|
| 100 | 29.75 | 61.39 | 372.05 | 88.87 | 52.36 |
| 125 | 33.06 | 64.37 | 376.56 | 93.06 | 53.80 |
| 150 | 36.35 | 77.10 | 377.31 | 98.10 | 39.53 |
| 160 | 60.52 | 78.66 | 380.24 | 100.36 | 59.60 |
| 180 | 63.19 | 82.18 | 384.37 | 100.36 | 67.78 |
| 200 | 41.60 | 91.89 | 399.54 | 103.29 | 40.85 |
| 224 | 79.09 | 102.82 | 405.58 | 106.22 | 78.45 |
| 250 | 51.26 | 111.84 | 414.27 | 111.69 | 43.09 |
| 280 | 98.79 | 128.40 | 491.60 | 125.39 | 85.06 |
| 300 | 103.07 | 133.99 | 508.33 | 130.49 | 87.70 |
| 315 | 106.47 | 138.38 | 527.24 | 150.71 | 89.82 |
| 355 | 118.38 | 153.89 | 532.70 | 168.45 | 112.30 |
| 400 | 137.50 | 178.72 | 599.64 | 232.37 | 119.95 |
| 450 | 157.20 | 204.34 | 832.44 | 258.76 | 145.82 |
| 500 | 173.85 | 225.97 | 974.69 | 285.98 | 156.47 |
| 560 | 198.38 | 257.91 | 1124.49 | 324.56 | 170.51 |
| 600 | 223.78 | 290.96 | 1151.90 | 353.50 | 197.15 |
| 630 | 236.58 | 307.52 | 1604.19 | 369.37 | 237.95 |
| 710 | 296.80 | 385.83 | 1642.10 | 451.08 | 277.88 |
| 800 | 378.06 | 491.50 | 1749.70 | 691.66 | 321.35 |
| 900 | 445.01 | 578.54 | 1827.90 | 812.48 | 361.64 |
| 1000 | 576.44 | 749.40 | 1951.05 | 974.67 | 439.42 |

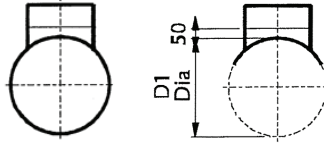
All terminals are supplied with male coupler fitted at base.
If alternative fixing to stack is required, please specify.

► Access Sections & Doors



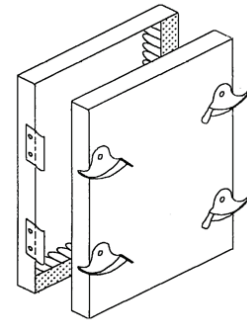
Access Section with door

Code ASDR



Saddle with door

Code SDR

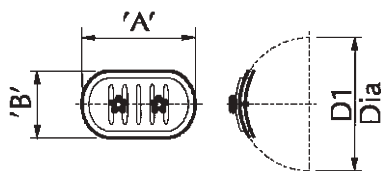


Door

Code DR

| Diameter 'D1' | Door Size 'A' x 'B' | ASDR Prices | SDR Prices |
|---------------|---------------------|-------------|------------|
| 80 | 300 x 150 | 67.24 | 61.93 |
| 100 | 300 x 150 | 67.73 | 61.93 |
| 125 | 300 x 150 | 68.32 | 61.93 |
| 150 | 300 x 150 | 68.92 | 61.93 |
| 160 | 300 x 150 | 69.16 | 61.93 |
| 180 | 300 x 150 | 70.92 | 61.93 |
| 200 | 300 x 200 | 72.60 | 62.48 |
| 224 | 300 x 200 | 75.64 | 62.48 |
| 250 | 300 x 200 | 76.25 | 62.48 |
| 280 | 300 x 200 | 79.47 | 62.48 |
| 300 | 300 x 200 | 79.94 | 62.48 |
| 315 | 300 x 200 | 80.26 | 62.48 |
| 355 | 300 x 300 | 82.83 | 69.32 |
| 400 | 300 x 300 | 90.27 | 69.32 |
| 450 | 300 x 300 | 95.18 | 69.32 |
| 500 | 300 x 300 | 98.79 | 69.32 |
| 560 | 300 x 300 | 100.21 | 69.32 |
| 600 | 450 x 450 | 122.36 | 81.03 |
| 630 | 450 x 450 | 125.67 | 81.03 |
| 710 | 450 x 450 | 127.82 | 81.03 |
| 800 | 450 x 450 | 148.96 | 81.03 |
| 900 | 450 x 450 | 152.37 | 81.03 |
| 1000 | 450 x 450 | 161.96 | 81.03 |
| 1118 | 600 x 400 | 219.23 | 101.15 |
| 1250 | 600 x 400 | 228.65 | 101.15 |

| Size | Prices |
|---------|--------|
| 100X100 | 14.74 |
| 150X100 | 14.74 |
| 150X150 | 14.86 |
| 200X100 | 16.38 |
| 200X150 | 17.10 |
| 200X200 | 17.75 |
| 250X250 | 20.52 |
| 300X150 | 20.97 |
| 300X200 | 21.36 |
| 300X300 | 22.74 |
| 350x350 | 26.08 |
| 400X200 | 24.90 |
| 400X400 | 28.04 |
| 450X300 | 29.00 |
| 450X450 | 29.44 |
| 500X200 | 39.73 |
| 500X400 | 40.61 |
| 500X500 | 41.52 |
| 600X250 | 57.71 |
| 600X400 | 41.52 |
| 600X600 | 46.19 |



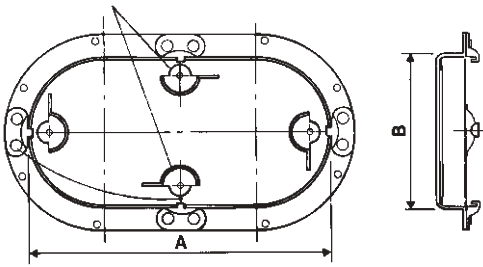
Circular Access Door

Code ADC

| Code | Door Size | Duct Dia | Prices |
|-------------|-----------|------------|--------|
| ADC-18-0080 | 180 x 80 | 80 | 10.01 |
| ADC-18-0100 | | 100 to 125 | |
| ADC-18-0150 | | 150 to 160 | |
| ADC-25-0150 | 250 x 150 | 150 to 160 | 11.73 |
| ADC-25-0180 | | 180 to 224 | |
| ADC-25-0250 | | 250 to 315 | |
| ADC-25-0355 | | 355 to 450 | |
| ADC-40-0400 | 400 x 300 | 400 to 800 | 19.71 |
| ADC-40-450 | | 450 | |
| ADC-40-500 | | 500 | |
| ADC-40-550 | | 550 to 800 | |

N.B. Please specify duct diameter when ordering.

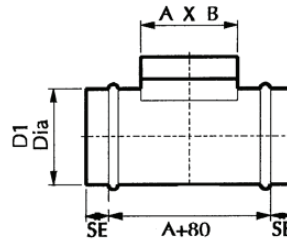
► Pressed Access Door & Saddles



Pressed Access Door

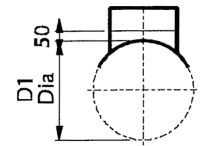
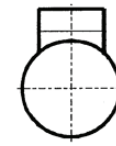
Code CC20

| Code | Size 'A' x 'B' | Price |
|------|----------------|--------------|
| CC00 | 200 x 125 | 25.06 |
| CC10 | 300 x 150 | 28.05 |
| CC20 | 450 x 250 | 39.13 |
| CC30 | 550 x 350 | 48.90 |
| CC40 | 650 x 450 | 70.48 |



Access Section with Door

Code CASDR



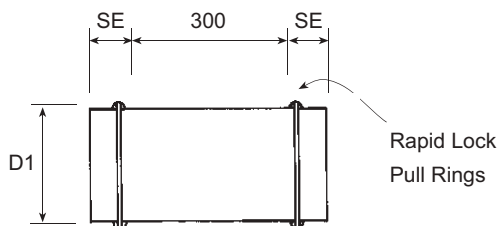
Saddle with Door

Code CSDR

| Diameter 'D1' | Door Size 'A' x 'B' | CASDR Prices | CSDR Prices |
|---------------|---------------------|---------------|---------------|
| 80 | 200 x 125 | 78.25 | 62.92 |
| 100 | 200 x 125 | 78.58 | 62.92 |
| 125 | 200 x 125 | 79.01 | 62.92 |
| 150 | 300 x 150 | 82.96 | 65.99 |
| 160 | 300 x 150 | 82.96 | 65.99 |
| 180 | 300 x 150 | 84.98 | 63.95 |
| 200 | 300 x 150 | 85.50 | 65.99 |
| 224 | 300 x 150 | 88.90 | 65.99 |
| 250 | 460 x 250 | 104.43 | 80.25 |
| 280 | 460 x 250 | 108.02 | 80.25 |
| 300 | 460 x 250 | 108.53 | 80.25 |
| 315 | 460 x 250 | 108.91 | 80.25 |
| 355 | 460 x 250 | 111.30 | 80.25 |
| 400 | 530 x 360 | 135.00 | 98.74 |
| 450 | 530 x 360 | 140.75 | 98.74 |
| 500 | 635 x 360 | 145.00 | 98.74 |
| 560 | 635 x 430 | 181.49 | 134.98 |
| 600 | 635 x 430 | 192.86 | 134.98 |
| 630 | 635 x 430 | 196.70 | 134.98 |
| 710 | 635 x 430 | 199.16 | 134.98 |
| 800 | 635 x 430 | 223.14 | 134.98 |
| 900 | 635 x 430 | 227.00 | 134.98 |
| 1000 | 635 x 430 | 238.11 | 134.98 |
| 1118 | 635 x 430 | 285.19 | 140.62 |
| 1250 | 635 x 430 | 294.16 | 140.62 |

N.B. If doors supplied loose for fitting on site
We recommend that an additional gasket is fitted to these models to achieve a leakage rate to class D of DW142

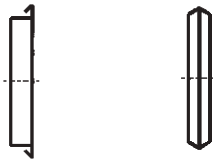
► Removable Section



Code RS

| Code | Diameter 'D1' | Price |
|------|---------------|--------------|
| RS10 | 100 | 49.65 |
| RS12 | 125 | 51.53 |
| RS15 | 150 | 55.36 |
| RS16 | 160 | 57.92 |
| RS18 | 180 | 58.88 |
| RS20 | 200 | 61.00 |
| RS22 | 220 | 63.63 |
| RS25 | 250 | 66.00 |
| RS30 | 300 | 83.89 |

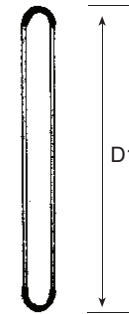
► Joint Flanges



Flange Ring Code **VLF**
Flange Clip Code **VLC**

| Diameter Ø | Prices (each) | | |
|------------|---------------|-------|--------------------------|
| | VLF | VLC | FITTING PRICE PER FLANGE |
| 80 | | | |
| 100 | 5.57 | 6.59 | 5.34 |
| 125 | 5.57 | 6.59 | 5.34 |
| 150 | 5.57 | 6.59 | 5.34 |
| 160 | 5.57 | 6.59 | 5.34 |
| 180 | 5.57 | 6.59 | 5.34 |
| 200 | 5.57 | 6.59 | 5.34 |
| 224 | 5.57 | 6.59 | 5.34 |
| 250 | 5.57 | 6.59 | 5.98 |
| 280 | 5.57 | 6.59 | 6.24 |
| 300 | 6.46 | 11.82 | 6.24 |
| 315 | 6.46 | 11.82 | 6.24 |
| 355 | 7.62 | 14.03 | 6.24 |
| 400 | 8.94 | 14.25 | 6.38 |
| 450 | 9.75 | 15.10 | 8.63 |
| 500 | 11.66 | 18.08 | 8.63 |
| 560 | 12.47 | 19.30 | 9.30 |
| 600 | 13.08 | 20.15 | 10.09 |
| 630 | 13.68 | 21.01 | 11.95 |
| 710 | 19.80 | 30.78 | 14.21 |
| 800 | 23.43 | 36.33 | 15.27 |
| 900 | 26.82 | 37.06 | 15.27 |
| 1000 | 31.60 | 42.19 | 19.92 |
| 1118 | 35.81 | 43.18 | 19.92 |
| 1250 | 39.09 | 47.09 | 21.25 |
| 1422 | 43.39 | 52.33 | 25.24 |
| 1524 | 53.33 | 53.33 | 25.24 |

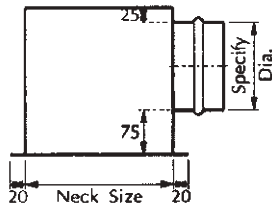
► Rapid Lock Rings



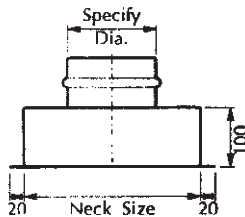
Code **RPC**

| Code | Diameter 'D1' | Price |
|----------|---------------|-------|
| RPC 0080 | 80 | 13.80 |
| RPC 0100 | 100 | 14.48 |
| RPC 0125 | 125 | 15.49 |
| RPC 0150 | 150 | 16.72 |
| RPC 0160 | 160 | 18.98 |
| RPC 0180 | 180 | 19.42 |
| RPC 0200 | 200 | 20.40 |
| RPC 0224 | 224 | 20.40 |
| RPC 0250 | 250 | 20.40 |
| RPC 0300 | 300 | 25.38 |

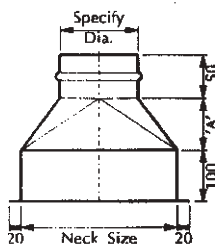
► Grille Boxes



Side Entry
Code **GBSE**



Top Entry
Code **GBTE**



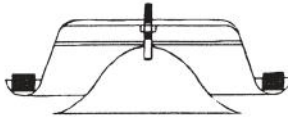
Square-Round
Code **GBSQR**

| Neck Size (mm) | Dim 'A' | Prices | | |
|----------------|---------|-----------|-----------|------------|
| | | Type GBSE | Type GBTE | Type GBSQR |
| 100 x 100 | 100 | 28.35 | 26.05 | 59.12 |
| 150 x 100 | 100 | 30.47 | 26.33 | 59.42 |
| 200 x 100 | 100 | 30.80 | 26.64 | 59.72 |
| 250 x 100 | 100 | 32.93 | 26.93 | 59.98 |
| 300 x 100 | 100 | 33.29 | 27.24 | 60.25 |
| 150 x 150 | 100 | 34.37 | 28.81 | 59.72 |
| 200 x 150 | 100 | 34.73 | 29.19 | 59.98 |
| 250 x 150 | 100 | 36.90 | 29.55 | 60.25 |
| 300 x 150 | 100 | 35.58 | 29.87 | 60.53 |
| 200 x 200 | 100 | 38.66 | 29.59 | 60.25 |
| 250 x 200 | 100 | 39.06 | 29.97 | 60.53 |
| 300 x 200 | 100 | 39.50 | 30.36 | 60.81 |
| 350 x 200 | 150 | 41.04 | 33.35 | 61.73 |
| 400 x 200 | 180 | 45.62 | 34.01 | 62.43 |
| 450 x 200 | 200 | 46.82 | 34.66 | 63.15 |
| 500 x 200 | 100 | 44.70 | 34.08 | 76.45 |
| 225 x 225 | 100 | 42.52 | 32.16 | 60.53 |
| 250 x 250 | 100 | 43.03 | 32.53 | 60.81 |
| 300 x 250 | 100 | 43.47 | 32.98 | 61.13 |
| 400 x 250 | 100 | 44.38 | 33.85 | 61.72 |
| 500 x 250 | 180 | 47.37 | 35.46 | 77.94 |
| 300 x 300 | 150 | 45.15 | 33.93 | 62.05 |
| 400 x 300 | 200 | 49.29 | 35.33 | 63.52 |
| 500 x 300 | 200 | 50.54 | 36.31 | 78.73 |
| 600 x 300 | 300 | 54.92 | 38.17 | 81.51 |
| 350 x 350 | 150 | 49.72 | 34.92 | 62.76 |
| 400 x 400 | 200 | 52.38 | 36.46 | 85.97 |
| 450 x 450 | 200 | 55.50 | 39.74 | 86.73 |
| 550 x 550 | 300 | 61.90 | 43.72 | 90.43 |
| 600 x 600 | 300 | 65.68 | 44.61 | 91.64 |

Other sizes can be supplied on request. If your requirements are for dimensions other than standard, please specify when ordering.

Code **SMA**: ts 25 x 25 x 595 long **£1.00** p/pair, 0.6 & 0.8 sheet metal.

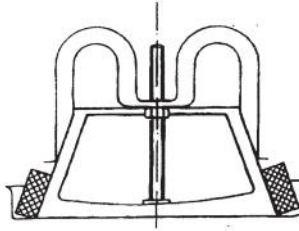
► **Air Valves**



Supply and Extract Valve

Code **EVP**
Plastic

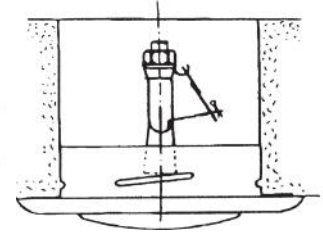
| Diameter | Prices |
|----------|--------|
| 100 | 5.05 |
| 125 | 6.18 |
| 150 | 7.63 |
| 160 | 9.16 |
| 200 | 10.68 |



Supply air Valve

Code **SAV**
Steel

| Diameter | Prices |
|----------|--------|
| 100 | 4.60 |
| 125 | 5.71 |
| 150 | 6.58 |
| 160 | 7.16 |
| 200 | 8.64 |



Extract air Valve with fire damper

Code **EAVFD**
Steel

| Diameter | Prices |
|----------|--------|
| 100 | 34.59 |
| 125 | 39.07 |

Extract air Valve

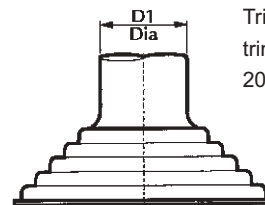
Code **EAV**
Steel

| Diameter | Prices |
|----------|--------|
| 100 | 4.60 |
| 125 | 5.71 |
| 150 | 6.58 |
| 160 | 7.16 |
| 200 | 8.64 |

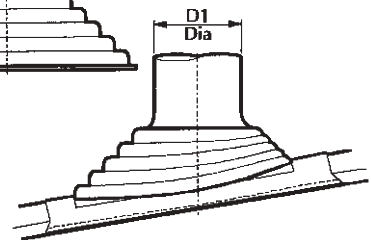
All valves have adjustable airflow calibration and are supplied with fixing rings.

► **Master Flash**

| Code | Diameter 'D1' | Prices | | |
|---------|---------------|--------|----------|------------|
| | | EPDM | Silicone | Fixing Kit |
| MFW - 3 | 6 - 102 | 16.02 | 25.21 | 8.27 |
| MFW - 4 | 75 - 152 | 21.07 | 31.28 | 8.27 |
| MFW - 5 | 102 - 178 | 23.15 | 36.70 | 8.27 |
| MFW - 6 | 127 - 228 | 27.01 | 42.47 | 8.27 |
| MFW - 7 | 152 - 280 | 54.22 | 81.58 | 8.27 |
| MFW - 8 | 178 - 330 | 59.96 | 91.06 | 8.27 |
| MFW - 9 | 254 - 467 | 87.74 | 132.16 | 8.27 |
| MFW - M | 330 - 660 | 249.03 | 411.32 | 24.61 |



Trim to suit pipe diameter, trimmed M-F Opening should be 20% less than pipe diameter.



Code **MFWE**

Code **MFWS**

ADVANCED OZONE RESISTANCE tested to...

EPDM

Silicone

HIGH TEMPERATURE RESISTANCE

70 Hours @ 500 pphm

70 Hours @ 500 pphm

tested to... intermittent

+135°C(+275°F)

+260°C(+500°F)

continuous

+100°C(+212°F)

+225°C(+437°F)

LOW TEMPERATURE RESISTANCE tested to...

-55°C(-65°F)

-74°C(-100°F)

TENSILE STRENGTH minimum...

10Mpa(1450 Psi)

5Mpa(700 Psi)

COMPRESSION SET maximum...

25%

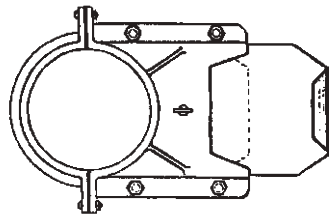
50%

*Complete specification data and testing methods are available upon request.

► Blast Gate Damper

Blast Gate Damper

Code **BGD**



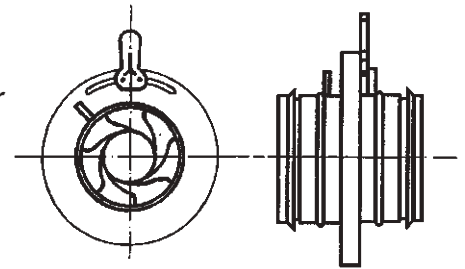
| Diameter | Code | Prices |
|----------|---------|--------|
| 63 | BGD 063 | 20.04 |
| 80 | BGD 080 | 20.04 |
| 100 | BGD 100 | 29.44 |
| 125 | BGD 125 | 32.91 |
| 150 | BGD 150 | 43.43 |
| 160 | BGD 160 | 61.72 |
| 180 | BGD 180 | 61.72 |
| 200 | BGD 200 | 73.17 |
| 224 | BGD 224 | 112.45 |
| 250 | BGD 250 | 132.42 |
| 280 | BGD 280 | 173.59 |
| 300 | BGD 300 | 200.32 |
| 355 | BGD 355 | 432.79 |

Die-cast aluminium with zinc plated blade. Fabricated available in larger sizes.

► Iris Dampers

Iris Damper

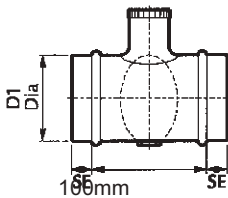
Code **ID**



| Diameter | Code | Price |
|----------|--------|------------------------|
| 100 | ID 100 | PRICE UPON APPLICATION |
| 125 | ID 125 | |
| 150 | ID 150 | |
| 160 | ID 160 | |
| 200 | ID 200 | |
| 250 | ID 250 | |
| 315 | ID 315 | |
| 400 | ID 400 | |
| 500 | ID 500 | |
| 630 | ID 630 | |
| 800 | ID 800 | |

Airflow measuring & regulation damper with sealed ends. Calibrated adjusting handle and manometer testing points.

► Single Blade Balancing Damper



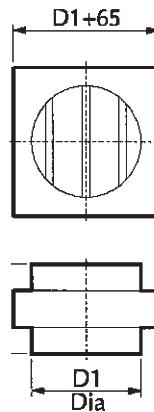
Single Blade Balancing

Code **DPB0080**

| Diameter 'D1' | Prices DPB |
|---------------|------------|
| 80 | 25.53 |
| 100 | 21.37 |
| 125 | 21.60 |
| 150 | 24.61 |
| 160 | 29.93 |
| 180 | 31.35 |
| 200 | 26.19 |
| 224 | 37.14 |
| 250 | 30.72 |
| 280 | 41.59 |
| 300 | 34.14 |
| 315 | 43.65 |
| 355 | 54.80 |
| 400 | 57.55 |
| 450 | 78.84 |
| 500 | 177.70 |
| 560 | 177.70 |
| 600 | 201.40 |
| 630 | 201.40 |

► Opposed Blade Damper

| Diameter 'D1' | Dim 'L' | Prices DOB |
|---------------|---------|------------|
| 100 | 70 | 56.86 |
| 125 | 70 | 61.77 |
| 150 | 70 | 66.62 |
| 160 | 70 | 68.64 |
| 180 | 70 | 70.68 |
| 200 | 70 | 73.43 |
| 224 | 70 | 77.00 |
| 250 | 70 | 80.63 |
| 280 | 70 | 86.66 |
| 300 | 70 | 91.51 |
| 315 | 70 | 95.31 |
| 355 | 70 | 102.97 |
| 400 | 70 | 111.11 |
| 450 | 70 | 121.38 |
| 500 | 70 | 143.51 |
| 560 | 70 | 143.51 |
| 610 | 70 | 162.33 |
| 630 | 70 | 162.33 |
| 710 | 70 | 183.02 |
| 800 | 70 | 211.71 |
| 900 | 70 | 351.23 |
| 1000 | 70 | 374.17 |

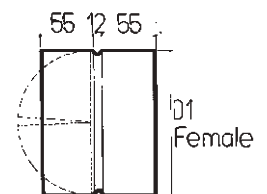


Code **DOB**
Multi-Blade Volume Control Dampers

Standard Construction

Galvanised casings, Aluminium blades, manual control

► Back Draught Damper

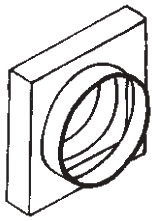


Backdraft

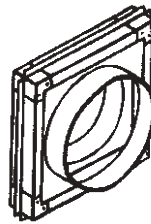
Code **BD**

| Diameter 'D1' | Prices BD |
|---------------|-----------|
| 80 | |
| 100 | 7.02 |
| 125 | 8.29 |
| 150 | 10.41 |
| 160 | 10.89 |
| 180 | |
| 200 | 14.08 |
| 224 | |
| 250 | 22.77 |
| 280 | |
| 300 | |
| 315 | 29.00 |
| 355 | 45.58 |

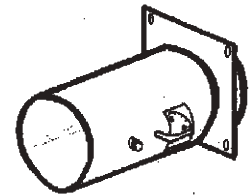
► Circular Fire Dampers



Plain
Code **FDCG**



With Holding Frame Code **FDCGF**
With Angle Frame Code **FDCGAF**



TRI/PRO FD/VCD
Code **FDVCD**

▼ **Prices** Low, medium, high pressure ductwork systems. Blade pack retained out of airstream, 2 hour fire rating.

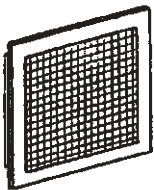
| Diameter | Galvanised Case & Blades | | |
|----------|--------------------------|-------------------|------------|
| | Code FDCG | Code FDCGF/FDCGAF | Code FDVCD |
| 100 | 56.59 | 81.86 | 70.64 |
| 125 | 57.82 | 88.72 | 73.08 |
| 150 | 58.99 | 89.85 | 77.35 |
| 160 | 59.86 | 90.74 | 82.83 |
| 180 | 60.49 | 91.50 | |
| 200 | 61.24 | 91.99 | 93.04 |
| 225 | 62.50 | 94.17 | |
| 250 | 63.64 | 97.56 | 109.00 |
| 280 | 65.07 | 99.51 | |
| 300 | 66.41 | 103.57 | 123.01 |
| 315 | 68.64 | 104.74 | 131.54 |
| 355 | 73.59 | 105.90 | |
| 400 | 75.37 | 115.58 | |
| 450 | 80.33 | 123.58 | |
| 500 | 93.88 | 143.37 | |
| 560 | 104.69 | 154.15 | |
| 600 | 120.51 | 173.03 | |
| 630 | 123.79 | 179.19 | |
| 710 | 145.04 | 203.62 | |

| | Price |
|----------------------|-------|
| Fusible Links:- 72°C | 12.38 |
| 95°C | 18.02 |
| 124°C | 18.02 |
| 145°C | 18.02 |
| 182°C | 18.02 |

| | Code | Price |
|--------------------------------|------------|--------|
| Microswitch, Single Pole | MSP | 45.63 |
| Microswitch, Double Pole | MDP | 107.25 |
| Visual Indicator | VI | 9.66 |
| Solenoid Valve (State Voltage) | SV | 222.13 |

Stainless Steel Blades available upon request
Rectangular Fire Dampers available upon request

▶ Grilles



**'Egg-crate'
Extract Grille**
Code **ECG**

Aluminium Anodised Satin Finish

| Duct Size | Prices | |
|-----------|--|--|
| | Code ECG Egg-crate Extract Grille | Code ECGD Egg-crate Extract Grille & Damper |
| 150 x 150 | 12.35 | 19.45 |
| 200 x 200 | 15.13 | 24.51 |
| 250 x 250 | 18.40 | 30.11 |
| 300 x 300 | 23.58 | 36.63 |
| 400 x 400 | 34.02 | 52.69 |
| 450 x 450 | 39.47 | 62.46 |
| 600 x 600 | 59.83 | 110.15 |

White Finish (RAL 9010)

| Duct Size | Prices | |
|---------------|---|---|
| | Code ECGW Egg-crate Extract Grille | Code ECGDW Egg-crate Extract Grille & Damper |
| 150 x 150 | 12.17 | 19.38 |
| 200 x 200 | 14.95 | 24.20 |
| 250 x 250 | 18.45 | 29.76 |
| 300 x 300 | 23.58 | 36.17 |
| 400 x 400 | 34.43 | 52.10 |
| 450 x 450 | 39.47 | 61.64 |
| 595 x 595 O/A | 59.83 | 94.11 |

For sizes and types of grille not shown, please consult our sales office for prices.

Other RAL colours can be supplied at additional cost.

▶ Diffusers



1, 2 & 3 Way also
available from stock

White Finish (RAL 9010)

| Neck Size (mm) | Face Size (mm) | Prices | |
|-------------------|-------------------|---------------------------|-------------------------|
| | | Code CD Without Damper | Code CDD With Damper |
| 150 x 150 | 295 x 295 | 23.24 | 25.36 |
| 225 x 225 | 370 x 370 | 24.56 | 30.96 |
| 300 x 300 | 445 x 445 | 29.18 | 41.16 |
| 375 x 375 | 520 x 520 | 32.70 | 45.80 |
| 450 x 450 | 595 x 595 | 25.89 | 46.47 |

Ceiling Diffuser (no Damper)

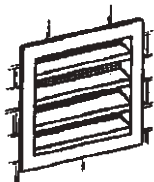
Code **CD**

Ceiling Diffuser (with Damper)

Code **CDD**

▶ Louvres

Aluminium Anodised Satin Finish



| Opening Size (mm) | Price |
|----------------------|--------------|
| 150 x 150 | 15.30 |
| 200 x 200 | 18.80 |
| 250 x 250 | 21.97 |
| 300 x 300 | 28.23 |
| 400 x 400 | 35.05 |
| 450 x 450 | 40.49 |
| 600 x 600 | 60.01 |

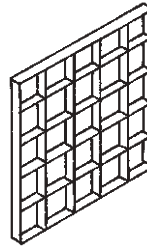
Weather Louvre Code **WL**

Other RAL & BS colours can be supplied at additional cost.

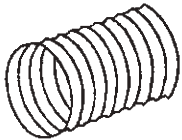
For sizes and types of grille not shown, please consult our sales office for prices.

► **White PVC Egg Crate Core**
(To fit inside Ceiling Tile)

| Code | Size | Price |
|----------|------------|--------------|
| ECC 1195 | 1195 x 595 | 26.69 |
| ECC 595 | 595 x 595 | 15.68 |



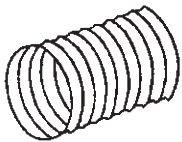
► **Flexible Ductwork**



Aluminium
Code **PAK**

Application: Heating ventilation systems & various industrial purposes.
Construction: Corrugated 90% pure Aluminium wound to produce a double overlap crimp joint, which is resistant to unwinding.
Features: Tested to BS476 Parts 6, 7, & 8 with negligible smoke generation.
Temp. Range: -30°C to +280°C **Air Velocity:** 25 metres/sec
Max Pressure: 2,500 Pa **Std Length:** 3 metres

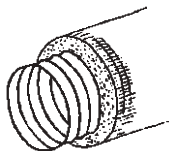
| Size | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 250 | 300 | 315 | 355 | 400 | 450 | 500 |
|-------|-----|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Price | POA | 23.82 | 26.79 | 37.04 | 46.97 | POA | POA | POA | POA | POA | POA | POA | POA | POA |



Aluminium
Code **FAL**

Application: Air conditioning & ventilation systems.
Construction: Tough multiple layer aluminium polyester, enclosing & supported by a spring steel helix
Features: Highly flexible, lightweight, economical & fire retardant to BS476 Parts 6, 7 & 20.
Temp. Range: -30°C to +125°C **Air Velocity:** 30 metres/sec
Max Pressure: 2,500 Pa **Std Length:** 10 metres

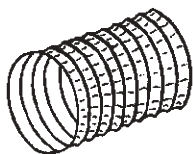
| Size | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 300 | 315 | 355 | 400 | 450 | 500 | 560 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Price | 10.08 | 11.92 | 14.25 | 14.94 | 17.64 | 18.60 | 21.19 | 23.21 | 27.56 | 28.57 | 44.05 | 44.72 | 52.06 | 59.16 | POA |



Thermal Aluminium
Code **FALINS**

Application: Heating & refrigeration air conditioning systems where a high degree of insulation is required.
Construction: Aluminium flex core, wrapped in 25mm high density fibre glass insulation and coated with an aluminium sheath
Features: Pre-insulated, fully lined, economical & fire retardant to BS476 Parts 6, 7, & 20
Temp. Range: -30°C to +125°C **Air Velocity:** 30 metres/sec
Max Pressure: 2,500 Pa **Std Length:** 10 metres

| Size | 100 | 125 | 150 | 180 | 200 | 224 | 250 | 300 | 315 | 355 | 400 | 450 | 500 | 610 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-----|
| Price | 31.15 | 36.31 | 40.29 | 44.40 | 47.97 | 56.54 | 61.66 | 71.94 | 75.31 | 78.78 | 113.02 | 123.28 | 143.07 | POA |



P.V.C. Coated Glass Fibre
Code **FPVC**

Application: Heating ventilation & air conditioning systems.
Construction: Grey coloured PVC coated glass fibre fabric, permanently bonded to a corrosion resistant spring steel helix.
Features: Lightweight, economical and fire retardant to BS476 Parts 6, 7 & 20.
Temp. Range: -5°C to +90°C **Air Velocity:** 30 metres/sec
Max Pressure: 2,500 Pa **Std Length:** 6 metres

| Size | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 610 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Price | 14.10 | 15.36 | 19.66 | 22.26 | 22.73 | 28.66 | 29.59 | 36.19 | 38.81 | 46.53 | 50.69 | 59.92 | 65.12 | 74.54 | 84.95 | 98.27 | 110.04 |

Lightning Band Code LBSS

| | |
|-------------------|-------|
| Price / 30 metres | 22.26 |
|-------------------|-------|

Housing & Screws Code HSSS

| | |
|------------|-------|
| Price / 50 | 23.43 |
|------------|-------|

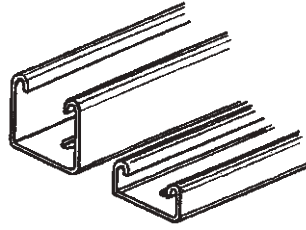


Code **QRC**

| Quick Release Clip | |
|--------------------|-------------|
| Code QRC | |
| Size | Price |
| 60 - 145 | 1.26 |
| 60 - 175 | 1.37 |
| 60 - 215 | 1.65 |
| 60 - 288 | 1.78 |
| 60 - 320 | 2.23 |
| 60 - 370 | 2.64 |
| 60 - 420 | 3.15 |
| 60 - 540 | 3.29 |

► **Channel**

| Size | Code | Price |
|--------------------|-----------|--------|
| 40 x 20 x 16G x 3m | SC 4020-3 | 18.89 |
| 40 x 20 x 16G x 5m | SC 4020-5 | 31.42 |
| 40 x 40 x 16G x 3m | SC 4040-3 | 25.26 |
| 40 x 40 x 16G x 5m | SC 4040-5 | 41.76 |
| 41 x 21 x 2.5 x 3m | SC 4121-3 | 27.36 |
| 41 x 41 x 2.5 x 3m | SC 4141-3 | 36.02 |
| 41 x 41 x 2.5 x 6m | SC 4141-6 | 72.11 |
| 41 x 21 x 2.5 x 6m | SC 4121-6 | 59.45 |
| 41 x 41 x 2.5 x 6m | PC 4141-6 | 75.65 |
| 82 x 41 x 2.5 x 6m | BBC8241-6 | 214.48 |



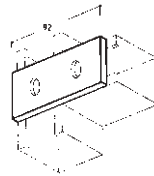
Code **SC** = Slotted (11mm slot)
Code **PC4141** = Plain
Code **BBC** = Back to Back

Manufactured from corrosion resistant galvanised steel.

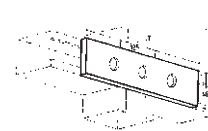
► **Channel Brackets (all holes 14 dia)**

| Code | Description | Price |
|------|----------------------------|-------|
| W002 | 2 Hole Bracket | 1.54 |
| W003 | 3 Hole Bracket | 2.47 |
| W004 | 4 Hole Bracket | 3.33 |
| W005 | 5 Hole Bracket | 3.95 |
| W006 | L Bracket | 2.75 |
| W007 | Tee Bracket | 4.58 |
| W010 | 90 Degree Bracket | 2.09 |
| W013 | 90 Degree Bracket | 2.31 |
| W020 | Welded Angle Bracket | 8.36 |
| W022 | Obtuse Angle Bracket | 2.99 |
| W024 | Acute Angle Bracket | 2.37 |
| W026 | Shallow Z Bracket | 3.81 |
| W027 | Single Z Bracket | 4.57 |
| W028 | Double Z Bracket | 6.02 |
| W029 | Half Channel Top Hat | 2.77 |
| W030 | Single Channel Top Hat | 2.47 |
| W049 | External Connector 40 x 40 | 6.87 |
| W050 | External Connector 40 x 20 | 5.69 |

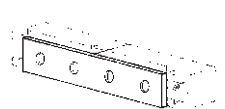
2 Hole Bracket
Code **W002**



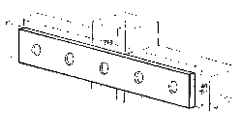
3 Hole Bracket
Code **W003**



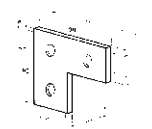
4 Hole Bracket
Code **W004**



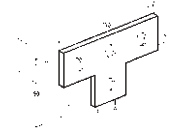
5 Hole Bracket
Code **W005**



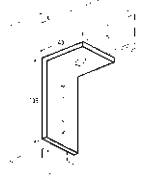
L Bracket
Code **W006**



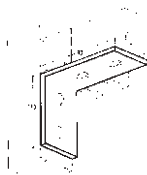
Tee Bracket
Code **W007**



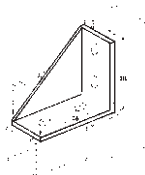
90° Bracket
Code **W010**



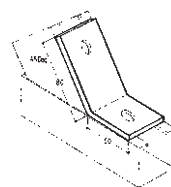
90° Bracket
Code **W013**



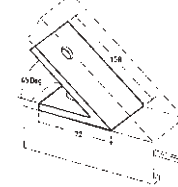
Welded Angle Bracket
Code **W020**



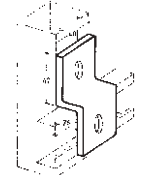
Obtuse Angle Bracket
Code **W022**



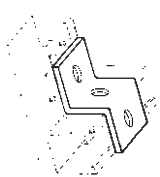
Acute Angle Bracket
Code **W024**



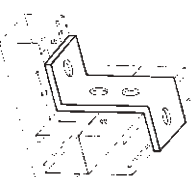
Double Z Bracket
Code **W026**



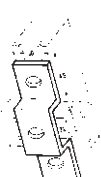
Single Z Bracket
Code **W027**



Double Z Bracket
Code **W028**



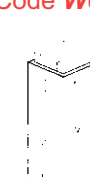
Half Channel Top Hat
Code **W029**



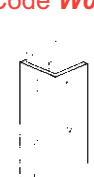
Single Channel Top Hat
Code **W030**



External Connector 40 x 40
Code **W049**

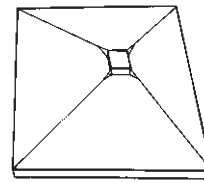


External Connector 40 x 20
Code **W050**



► **Channel Brackets (all holes 14 dia)**

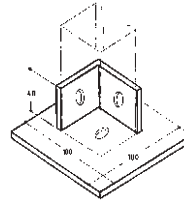
| Code | Description | 59.36 |
|------------|--------------------------------|-------|
| BIGFOOT305 | 305 x 305 Per Pair | 4.81 |
| BP | Base Plate | 12.66 |
| DBP | Double Base Plate | 0.20 |
| SCSWM6 | M6 Channel Square Washer | 0.20 |
| SCSWM8 | M8 Channel Square Washer | 0.20 |
| SCSWM10 | M10 Channel Square Washer | 0.20 |
| SCSWM12 | M12 Channel Square Washer | 1.08 |
| ACM6 | Angle Cleat | 1.08 |
| ACM8 | Angle Cleat | 1.08 |
| ACM10 | Angle Cleat | 1.08 |
| ACM12 | Angle Cleat | 0.40 |
| SCWM8 | Channel Washer | 0.40 |
| SCWM10 | Channel Washer | 0.23 |
| SCEC40 | PVC End Caps 40 x 40 | 0.23 |
| SCEC20 | PVC End Caps 40 x 20 | 5.44 |
| SP | Splice Plate 40 x 40 | 3.81 |
| SP20 | Splice Plate 40 x 20 | 3.49 |
| WP20 | Window Plate 40 x 40 | 3.40 |
| WP40 | Window Plate 40 x 20 | 4.80 |
| WP80 | Window Plate 80 x 40 | 1.71 |
| ALM12 | Angle Lindadptor 14mm Dia Hole | 2.46 |
| W031 | Double Channel Top Hat | 0.32 |
| SCPNM6 | M6 Channel Nut | 0.35 |
| SCPNM8 | M8 Channel Nut | 0.36 |
| SCPNM10 | M10 Channel Nut | 0.48 |
| SCPNM12 | M12 Channel Nut | 0.47 |
| SCSNM6 | M6 Channel Spring Nut | 0.51 |
| SCSNM8 | M8 Channel Spring Nut | 0.58 |
| SCSNM10 | M10 Channel Spring Nut | 0.66 |
| SCSNM12 | M12 Channel Spring Nut | 0.47 |
| SCSNLM6 | M6 Channel Spring Nut | 0.51 |
| SCSNLM8 | M8 Channel Spring Nut | 0.58 |
| SCSNLM10 | M10 Channel Spring Nut | 0.66 |
| SCSNLM12 | M12 Channel Spring Nut | |



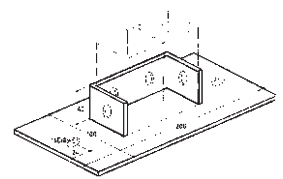
NEW

Big Foot (sold in pairs)
Code **BIGFOOT305**

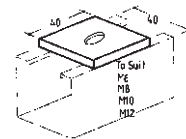
Base Plate
Code **BP**



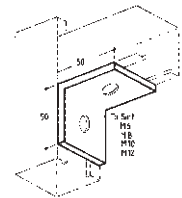
Double Base Plate
Code **DBP**



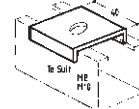
Channel Square Washer
Code **SCSW**



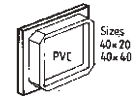
Angle Cleat
Code **AC**



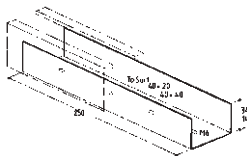
Channel Washer
Code **SCW**



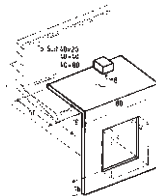
PVC End Caps
Code **SCEC**



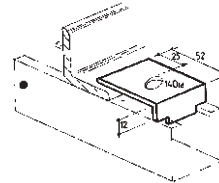
Splice Plate
Code **SP**



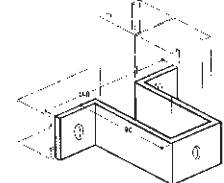
Window Plate
Code **WP**



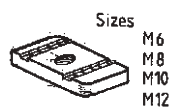
Angle Lindaptor
Code **ALM12**



Double Channel Top Hat
Code **W031**



Channel Nut
Code **SCPN**



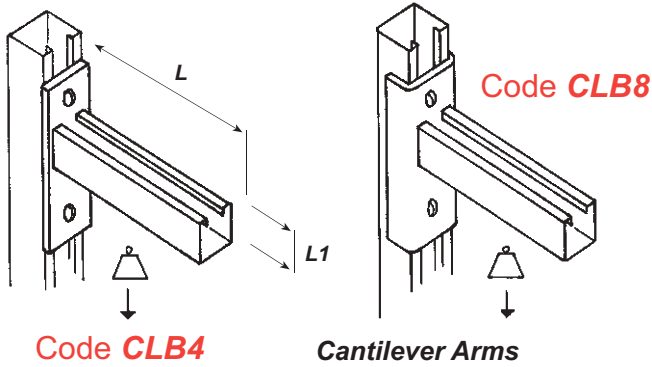
Channel Spring Nut
Code **SCSN**



Channel Spring Nut
Code **SCSNL**



► Duct Supports



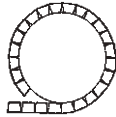
Code **CLB4** **Cantilever Arms**

LOADS DESIGNED ON HEAVY DUTY CHANNEL

| | L mm | Price |
|---------------|---------|--------------|
| CLB 4 | 600 | 24.99 |
| CLB 8 | 600 | 35.69 |
| CLB 45 | 450 | 19.12 |

Crocodile Insulation Strip

Code **PFC**



| Size | Length | Code | Price |
|-------------------------|-----------|-------|---------------|
| 50w x 25d Phenolic 60kg | 36 metres | PFC 2 | 105.41 |
| 50w x 38d Phenolic 60kg | 30 metres | PFC 3 | 79.19 |
| 50 x 50 Phenolic 60kg | 24 metres | PFC 5 | 118.43 |

Phenolic Flat 60kg/m³ Code **PFS**

| Size | Length | Code | Price |
|-----------|-----------|-------|--------------|
| 50w x 25d | 36m (Box) | PFS 2 | 87.24 |
| 50w x 38d | 30m (Box) | PFS 3 | 92.11 |
| 50w x 50d | 24m (Box) | PFS 5 | 96.54 |

Cablemate Wire Rope System

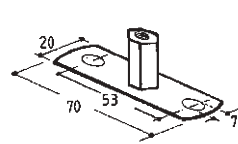


Minimum pull through 50mm

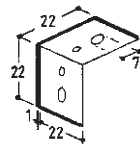
| DOBY GRIP WIRE ROPE SUSPENSION SYSTEM | | | |
|---------------------------------------|--------------------------------|-------------|---------------|
| Code | Description | Load Rating | Price |
| DG2 | Doby Grip Pack of 20 | 50kg | 59.22 |
| DG3 | Doby Grip Pack of 10 | 100kg | 55.80 |
| DGWR2 | Doby Grip 2mm Wire Roll x 150m | | 53.04 |
| DGWR3 | Doby Grip 3mm Wire Roll x 150m | | 91.87 |
| DG2K2 | Doby Grip 2m Wire Kit x 10 | 50kg | 47.23 |
| DG2K5 | Doby Grip 5m Wire Kit x 10 | 50kg | 59.93 |
| DG3K2 | Doby Grip 2m Wire Kit x 10 | 100kg | 74.56 |
| DG3K5 | Doby Grip 5m Wire Kit x 10 | 100kg | 109.33 |
| DG2CH | Doby Grip Ceiling Hanger x 10 | 40kg | 32.67 |
| DG3CH | Doby Grip Ceiling Hanger x 10 | 80kg | 73.04 |
| DGWC | Doby Wire Rope Cutters | | 82.18 |
| CADDY SPEED LINK SLK SYSTEM | | | |
| Code | Description | Load Rating | Price |
| SLC2L1000SP | 2mm Speed Link x 300m | | 64.12 |
| SLK2C200 | Speed Link Locking Device | 45kg | 1.92 |
| SLK2L2LP | Speed Link 2mm x 2m Loop End | 45kg | 3.87 |
| SLK2L3LP | Speed Link 2mm x 3m Loop End | 45kg | 4.34 |
| SLK2L5LP | Speed Link 2mm x 5m Loop End | 45kg | 5.48 |



| Code | Size | M6 | M8 | M10 | M12 |
|------|----------------|--------------|--------------|--------------|--------------|
| ZPSR | Price (per 3m) | 1.84 | 3.05 | 4.86 | 7.23 |
| SRC | Price (each) | 0.25 | 0.35 | 0.51 | 0.70 |
| SRPC | Price / 100 | 10.70 | 15.77 | 16.80 | 22.10 |

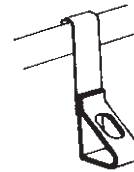


M8/M10 Fixed Back Plates
Code **FB**



HCB1 Ceiling Bracket
Code **CB**

| Code | Size | Price |
|------|-----------------|-------------|
| FB | Price (each) | 3.73 |
| CB | Price (per 100) | 7.53 |

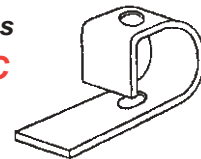


Caddy Clips
Code **CC**

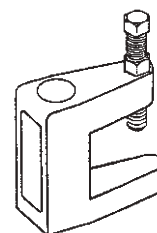
| Size | Code | Flange Size | Price per 100 |
|------|------------|--------------|---------------|
| M8 | CC1 | 2-5mm | 174.23 |
| M10 | CC2 | 2-5mm | 174.23 |
| M8 | CC3 | 5-7mm | 174.23 |
| M10 | CC4 | 5-7mm | 174.23 |

Purlin Clips

Code **PC**



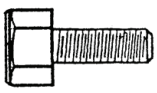
| Size | M10 / M12 |
|--------------|-------------|
| Price (each) | 0.82 |



Beam Clamps
Code **BC**

| Size | M8 | M10 | M12 |
|--------------|-------------|-------------|-------------|
| Price (each) | 2.05 | 2.11 | 3.13 |

► Fixings



Hexagon Head Set Pins
Code **ZPSP**

| Thread Length | Prices per 100 | | | |
|---------------|----------------|-------|-------|-------|
| | M6 | M8 | M10 | M12 |
| 20mm | | | | |
| 25mm | 4.32 | 8.98 | 11.86 | 19.20 |
| 30mm | | | | |
| 40mm | 3.17 | 12.85 | 20.34 | 33.43 |
| 50mm | | | | |
| 60mm | | | | |



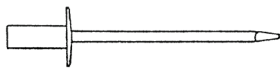
Hexagon Head Nuts
Code **ZPHN**

| Size | M6 | M8 | M10 | M12 |
|---------------|------|------|------|------|
| Price per 100 | 2.22 | 2.96 | 6.54 | 8.40 |

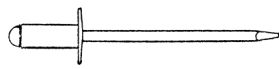


Wedge Nuts
Code **WN**

| Size | M6 | M8 | M10 |
|---------------|-------|-------|-------|
| Price per 100 | 35.78 | 35.78 | 40.24 |



Pop Rivets Fully Sealed
Code **SAPR**



Multifast
Code **MAPR**

| Price per 1000 | | |
|----------------|---------|-------|
| Code | Size | Price |
| SAPR 51 | 4x12 mm | 37.30 |

| Price per 1000 | | |
|----------------|-----------|-------|
| Code | Size | Price |
| MAPR 51 | 4x12 mm | 20.02 |
| MAPR 31 | 4.8x12 mm | 24.65 |
| MAPR 35 | 4.8x16mm | 34.59 |



Penny Washers
Code **PW**
(25mm DIA)

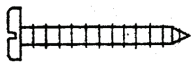


Spring Washers
Code **ZPSW**

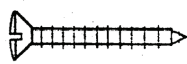


Flat Washers
Code **ZPFW**

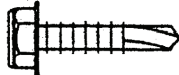
| Size | Prices per 100 | | | |
|------|----------------|-------------------------------------|------|------|
| | M6 | M8 | M10 | M12 |
| PW | 1.53 | 2.41 | 2.41 | 5.83 |
| ZPSW | 0.51 | 1.18 | 1.62 | 2.51 |
| ZPFW | 1.52 | 1.62 | 2.21 | 3.08 |
| RW | 22.38 | 3/16 x 3/4 Rivet Washers 15.26/1000 | | |



Self Tapping Screws Pan Head
Code **STS**



Self Tapping Screws Countersunk
Code **STCS**



Self Drilling Screws
Code **SDC**

| Prices per 1000 | | |
|---------------------|------------------|-------|
| Code | Size | Price |
| STS 828 | 8 x 25 | 30.94 |
| STS 838 | 8 x 38 | 31.50 |
| STCS 820 | 8 x 20 | 13.27 |
| STCS 825 | 8 x 25 | 19.15 |
| STCS 838 | 8 x 38 | 38.73 |
| STCS 850 | 8 x 50 | 49.60 |
| SDC 423 | 4.2 x 13 | 18.25 |
| SDC 429 | 4.2 x 19 | 20.69 |
| SDC 489 | 4.8 x 19 | 27.11 |
| SDC 483 | 4.8 x 13 | 24.31 |
| SCW 13 (Self Drill) | 4.2 x 13 Sq Head | 14.84 |
| SCW 19 (Self Drill) | 4.2 x 19 Sq Head | 25.58 |

Plastic Rawlplugs

| Code | Size | Screw Size | Price/1000 |
|------|-----------|------------|------------|
| BRP | 37mm long | 10 to 14 | 11.43 |
| RRP | 32mm long | 6 to 10 | 8.61 |

Chuck Adaptor for Self Drilling Screws

| Code | Size | Price each |
|-----------|---------|------------|
| Chuck 4.2 | 4.2 | 9.21 |
| Chuck 4.8 | 4.8 | 9.21 |
| Chuck | Sq Head | 9.21 |



Non-Drill Anchors
Code **NDA**

| Size | M6 | M8 | M10 | M12 |
|---------------|-------|-------|-------|-------|
| Price per 100 | 10.67 | 15.25 | 24.63 | 70.74 |

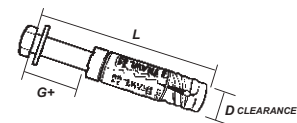
Non-Drill Anchor Setting Tool



Code **STM**

| Size | M6 | M8 | M10 | M12 |
|------|------|------|-------|-------|
| Each | 8.09 | 9.86 | 11.15 | 11.49 |

Masonry Bolt With Shield



Code **MBS**

| Code | Size | L | D | G | Price Each |
|--------|------|----|----|----|------------|
| MBS 8 | M8 | 60 | 14 | 10 | 1.85 |
| MBS 10 | M10 | 70 | 16 | 12 | 2.14 |
| MBS 12 | M12 | 80 | 20 | 8 | 4.33 |

Coach Screws Hex Head



Code **CS63**

| Part No | Size | Price Per 10 |
|---------|----------|--------------|
| CS 63 | M6 x 30 | 1.79 |
| CS 64 | M6 x 40 | 2.08 |
| CS 82 | M8 x 25 | 3.03 |
| CS 84 | M8 x 40 | 3.32 |
| CS 85 | M8 x 50 | 3.40 |
| CS 102 | M10 x 25 | 3.67 |
| CS 104 | M10 x 40 | 4.51 |
| CS 105 | M10 x 50 | 4.84 |
| CS 107 | M10 x 75 | 6.28 |

► Ancillary Products

▼ Sealants

| Description | Code | Price |
|-------------------------------|------------------------------|-------|
| Solvent Based 350ml Cartridge | BSDSC | 3.27 |
| Water Based 310ml Cartridge | DMS 310WB | 1.17 |
| 280ml Silicone Cartridge | DMSC (CLEAR) DMSW (WHITE) | 4.17 |
| Acrylic Sealer 6kg Tub | INDENDEN 40-32 | 20.86 |
| Intumescent Sealer 380ml | ARBOXL 1075 | 3.84 |
| Chalking Gun | CG | 7.17 |

▼ Flange Rubber

| Description | Code | Price |
|-----------------------------|-----------|-------|
| Sabre EPDM 15mm x 6mm x 10m | EPDM 15 | 2.73 |
| Sabre EPDM 19mm x 6mm x 10m | EPDM 19 | 3.70 |
| Sabre EPDM 19mm x 6mm x 15m | EPDM 1915 | 5.33 |
| BUTYL 12mm x 3mm x 4m | BL 12 | 4.83 |
| BUTYL 15mm x 4mm x 8m | BL 15 | 11.06 |
| BUTYL 19mm x 3mm x 4m | BL 19 | 6.52 |
| BUTYL 25mm x 3mm x 4m | BL 25 | 8.33 |

▼ Rectangular Flange System

| DOBY FLANGE | | | | |
|-------------------------|---------|--------------------------|---------------------|----------------|
| Size | Code | Size/Gauge | Price per 5m Length | No. per Bundle |
| 20 | DFL 120 | 0.8mm | 16.96 | 50 |
| 30 | DFL 130 | 1.0mm | 21.72 | 50 |
| 40 | DFL 140 | 1.25mm | 38.89 | 50 |
| DOBY STIFFENERS | | | | |
| 20 | DVS2 | 1.6mm | 19.26 | 50 |
| 30 | DVS3 | 1.6mm | 29.41 | 50 |
| 40 | DVS4 | 2.0mm | 37.33 | 50 |
| DOBY CORNERS (FLANGE) | | | | |
| 20 Short | DFC 20 | 3mm | 82.75 / (200 Box) | |
| 20 Long | DFC 20L | 3mm | 95.97 / (200 Box) | |
| 30 | DFC 30 | 4mm | 72.52 / (100 Box) | |
| 40 | DFC 40 | 5mm | 90.03 / (50 Box) | |
| DOBY CORNERS STIFFENERS | | | | |
| 20 | DVS2C | 1.6mm | 74.54 / (200 Box) | |
| 30 | DVS3C | 1.6mm | 115.60 / (200 Box) | |
| 40 | DVS4C | 2.0mm | 77.34 / (100 Box) | |
| DOBY CLEATS/CLAMPS | | | | |
| 20/30 | DDC | Cleat 20 Flange Clamp | 48.74 / (200 Box) | |
| 40 | DCV | 20-30-40 Flg Heavy Clamp | 165.17 / (200 Box) | |
| 40 | CV | Heavy Clamp 30/40 Flange | 109.30 / (200 Box) | |

| GEBHARDT FLANGE SYSTEM | | | | |
|------------------------|-----------|------------|----------------------|----------------|
| Size | Code | Size/Gauge | Price per 5mm Length | No. per Bundle |
| 20 | GSFPREM20 | 0.7mm | 11.80 | 100 |
| 30 | GSFPREM30 | 0.8mm | 17.70 | 100 |
| 40 | GSF P40 | 0.8mm | 42.64 | 100 |
| GEBHARDT STIFFENER | | | | |
| 30 | GSFS 35 | 1.75mm | 35.40 | 50 |
| 40 | GSFS 45 | 1.75mm | 47.20 | 50 |
| GEBHARDT CORNERS | | | | |
| 20 Short | GSF 20SC | 2.5mm | 144.01 / (500 Box) | |
| 20 Long | GSF 20LC | 2.5mm | 201.40 / (500 Box) | |
| 30 | GSF 30C | 2.8mm | 148.84 / (250 Box) | |
| 40 | GSF 40C | 2.8mm | 218.83 / (150 Box) | |

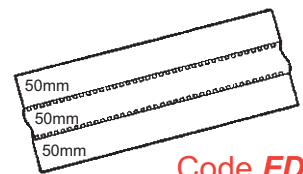
ST.ST FLANGE POA

▼ Duct Tapes

| Description | Code | Price |
|-------------------------------|--------|-------|
| Grey Cloth Tape 50 Wide x 50m | GCT | 4.65 |
| Grey PVC Tape 50 Wide x 33m | GPVCT | 3.98 |
| White PVC Tape 50 Wide x 33m | WPVCT | 3.97 |
| Silver tape 50 Wide x 50m | ST | 6.43 |
| Silver tape 100 Wide x 50m | ST 100 | 9.42 |

▼ Supports Rubber

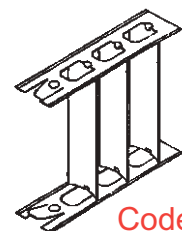
| Description | Code | Price |
|-------------------------------|-------|-------|
| Polyethylene 25mm x 6mm x 10m | PR 25 | 2.48 |
| Polyethylene 40mm x 6mm x 10m | PR 40 | 3.31 |



Code **FDCP**
Code **FDCGF**

▼ Flexible Connector

| Description | Code | Price |
|------------------------|------------|--------|
| Polyester Coated x 25m | FDC - P25 | 87.38 |
| Glass Fibre x 25m | FDC - GF25 | 141.41 |



▼ Turning Vane & Track

Code **TVT**

| Description | Code | Price |
|-------------------------|------|-------|
| Turning Vane x 3m | TV | 7.08 |
| Turning vane track x 3m | TVT | 6.80 |



▼ Punch Banding

Code **PB25**

| Description | Code | Price |
|----------------|------|-------|
| 25w x 30m Roll | PB | 27.42 |

▼ **Barafoam**

| Code | Size | Fire Classification | Specification | Prices |
|--------|---------------|---------------------|--------------------|---------------|
| FA6-0 | 30m x 1m Roll | Class 0 | 6mm Self Adhesive | 386.42 |
| FA13-0 | 2m x 1m | Class 0 | 13mm Self Adhesive | 55.00 |
| FA25-0 | 2m x 1m | Class 0 | 25mm Self Adhesive | 70.37 |
| FA50-0 | 2m x 1m | Class 0 | 50mm Self Adhesive | 136.27 |

▼ **Duct Wrap**

| Code | Size | Specification | Prices |
|-------|------------|---------------|---------------|
| ROCK2 | 1.2m x 18m | 25mm | 139.89 |

▼ **Conduit**

| Code | Size | Specification | Prices |
|-------|-------------|---------------------|--------------|
| GC 20 | 3.75 metres | 20mm | 14.11 |
| GC 25 | 3.75 metres | 25mm | 19.32 |
| RWM10 | - | 10mm Rubber Washers | 6.95 |

Finish - GALVANISED

▼ **Damper Quadrant Sets (Die Cast Alu)**

| Size | Size | Price |
|-------------|-------|--------------|
| Small | DQS 1 | 7.21 |
| Medium | DQS 2 | 9.06 |
| Large | DQS 3 | 16.01 |
| Extra Large | DQS 4 | 33.99 |

▼ **Guy Supports (Galv. Finish)**

| Code | Description | Price |
|------|------------------|--------------|
| GW | 3mm x 30mts Wire | 15.22 |
| GW6 | 6mm x 30mts Wire | 37.02 |
| GB | 3mm Bulldogs | 0.26 |
| GB6 | 6mm Bulldogs | 0.75 |
| GT | 3mm Thimbles | 0.26 |
| GT6 | 6mm Thimbles | 0.75 |
| GD | 5/16d Shackle | 0.77 |
| GS6 | 6mm Strainer | 3.38 |
| GS8 | 8mm Strainer | 3.98 |

▼ **Paint / Brushes**

| Code | Description | Price |
|--------|-----------------------------|--------------|
| SP 500 | 500mm galv. spray tin | 10.29 |
| PB 25 | 25mm Medium Paint Brush | 2.25 |
| PB 50 | 50mm Medium Paint Brush | 3.78 |
| TB500 | 500mm Top Black Spray Paint | 9.81 |

▼ **Piano Hinge**

| Size | Code | Price / Length |
|--------|--------------------------------------|----------------|
| PH 1.5 | 38mm Open x 1.5m Long 16g x 10g Pins | 17.75 |

Finish - ZINC PLATED

▼ **Polythene (500g)**

| Code | Description | Price |
|------|------------------------|--------------|
| PB 1 | 36 x 56 Bag | 1.36 |
| PB 2 | 24 x 36 Bag | 0.93 |
| PB 3 | 4m x 25m Roll | 70.80 |
| BT | 50mm x 60m Parcel Tape | 0.96 |

▼ **Toggle & Hook**

| Code | Description | Price |
|------|----------------|-------------|
| TH 2 | No. 25 per set | 3.59 |
| TH 3 | No. 33 per set | 3.93 |

▼ **Vane Rivets**

| Code | Description | Price |
|------|----------------------|--------------------|
| BVR | Splitter Vane Rivets | 82.59 / 100 |

▼ **Weldmesh**

| Code | Pattern | Size | Gauge | Prices |
|------|-------------|---------------|-------|---------------|
| WM | 13mm x 13mm | 914 x 30mtrs | 16 | 477.81 |
| WM 4 | 13mm x 13mm | 1220 x 30mtrs | 16 | 647.04 |
| WML | 13mm x 13mm | 914 x 30mtrs | 19 | 222.36 |
| WM4L | 13mm x 13mm | 1220 x 30mtrs | 19 | 286.62 |

Finish - GALVANISED

▼ **Woodscrews (Plated)**

| Code | Description | Price / 200 |
|------|-------------|-------------|
| WS 1 | No. 8 x 19 | 5.21 |
| WS 2 | No. 8 x 38 | 7.26 |
| WS 3 | No. 8 x 45 | 9.13 |
| WS 4 | No. 10 x 45 | 8.79 |

▶ **Site Equipment**

▼ **Drills**

| Code | Description | Price |
|---------|---------------------|--------------|
| SD 18 | 3mm Stub Pack of 10 | 24.38 |
| SD 532 | 4mm Stub Pack of 10 | 25.40 |
| SD 1364 | 5mm Stub Pack of 10 | 26.41 |
| HS 6 | M6 Standard | 6.10 |
| HS 8 | M8 Standard | 10.32 |
| HS 10 | M10 Standard | 16.52 |
| HS 12 | M12 Standard | 25.72 |

▼ **Hammer Drills**

| Code | SDS M6 | SDS M8 | SDS M10 | SDS M12 |
|-------|-------------|-------------|--------------|--------------|
| Price | 8.42 | 8.73 | 11.96 | 15.30 |

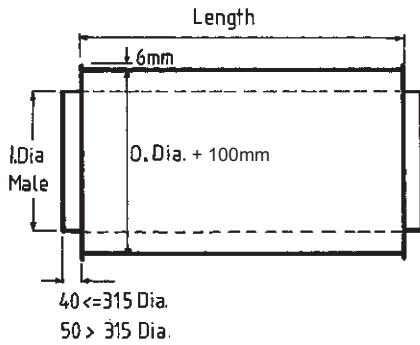
▼ **Cutting Discs**

| Code | Description | Price |
|---------|-------------|--------------|
| CD 4 | 100 x 3.2 | 3.68 |
| CD 7 | 127 x 3.2 | 5.24 |
| CD 9 | 227 x 3.2 | 7.23 |
| CD 14 | 356 x 0.125 | 17.05 |
| UTCD115 | Ultra Thin | 1.99 |

▼ **Miscellaneous**

| Code | Description | Price |
|------|-----------------------|--------------|
| HP | Hand Rivetor (Pliers) | 23.55 |
| LP | Lazy Tong | 81.49 |
| MT | 10ft Measuring Tape | 4.08 |
| HB | 24 tpi Hacksaw Blades | 3.16 |
| JB | Bosch TW118A | 3.01 |
| RG | Rigger Gloves | 6.11 |
| BG9 | Black Gloves | 8.55 |

► Silencers



Silencers
Code SIL

| d | L = 300mm | | L = 600mm | | L = 900mm | | L = 1200mm | |
|-----|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Order Code | £ | Order Code | £ | Order Code | £ | Order Code | £ |
| 100 | 0100-03 | 36.52 | 0100-06 | 31.82 | 0100-09 | 58.13 | 0100-12 | 83.47 |
| 125 | 0125-03 | 37.13 | 0125-06 | 35.14 | 0125-09 | 62.50 | 0125-12 | 85.81 |
| 150 | 0150-03 | 42.65 | 0150-06 | 38.58 | 0150-09 | 66.87 | 0150-12 | 95.36 |
| 160 | 0160-03 | 46.99 | 0160-06 | 39.57 | 0160-09 | 71.68 | 0160-12 | 95.36 |
| 200 | 0200-03 | 57.83 | 0200-06 | 45.63 | 0200-09 | 87.15 | 0200-12 | 115.50 |
| 250 | 0250-03 | 69.98 | 0250-06 | 53.32 | 0250-09 | 104.07 | 0250-12 | 132.62 |
| 300 | 0300-03 | 75.99 | 0300-06 | 64.98 | 0300-09 | 109.32 | 0300-12 | 150.13 |
| 315 | 0315-03 | 76.40 | 0315-06 | 64.98 | 0315-09 | 120.31 | 0315-12 | 168.61 |
| 355 | 0355-03 | 104.07 | 0355-06 | 116.79 | 0355-09 | 157.18 | 0355-12 | 180.47 |
| 400 | 0400-03 | 106.74 | 0400-06 | 118.74 | 0400-09 | 173.30 | 0400-12 | 207.77 |

Circular Silencers

In addition to the above off the shelf silencer, we manufacture Plant Room silencers Straight and Pod type and offer the same options as below.

Rectangular Silencers

We also manufacture Rectangular Silencers to order featuring the following options.

1. Generally manufactured to DW 144
2. Fire Rated casing option
3. Perforated mesh faced splitters
4. Melinex facings for easy cleaning
5. Powder coatings to any RAL colour
6. Chlorinated Rubber finish
7. Stainless steel construction

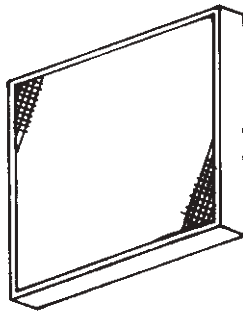
Should you know your requirements give us the following information and we will give you a price by return.

1. Proposed Attenuator Size
2. Air Volume
3. Maximum Pressure Loss
4. Any particular construction requirements

Contact our sales team for our silencer brochure. Or visit our website.

Notes: For silencer insertion losses and details of our full range of rectangular and circular silencers ask for our catalogue Ductmann Acoustics

► **Filters**



▼ **Glass Media Panel Filters - Code GMP**

| Nominal Size | Price 1" Thick | Price 2" Thick |
|--------------|----------------|----------------|
| 250 x 250 | 6.58 | 6.85 |
| 300 x 300 | 7.45 | 8.69 |
| 400 x 400 | 9.66 | 10.75 |
| 500 x 500 | 10.90 | 12.50 |
| 600 x 600 | 12.16 | 14.25 |

▼ **Grease Filters (Galv/Alu) - Code GF**

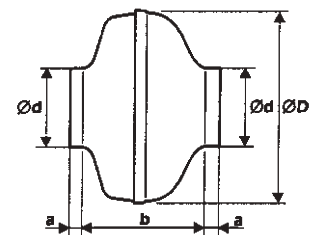
| Nominal Size | Price 1" Thick | Price 2" Thick |
|--------------|----------------|----------------|
| 250 x 250 | 26.22 | 29.96 |
| 300 x 300 | 27.40 | 41.36 |
| 400 x 400 | 33.04 | 49.54 |
| 500 x 500 | 41.26 | 58.80 |
| 600 x 600 | 51.65 | 76.45 |

Filter Boxes Manufactured to order

► **Fans**

▼ **Standard Range**

| Size | Code | Range in M ³ 's | £ |
|------|----------|----------------------------|---------------|
| 100 | FAN0100A | 0.069 - 0.015 | 105.19 |
| 125 | FAN0125A | 0.087 - 0.017 | 105.19 |
| 150 | FAN0150A | 0.165 - 0.033 | 105.95 |
| 160 | FAN0160A | 0.165 - 0.033 | 117.37 |
| 200 | FAN0200A | 0.214 - 0.016 | 128.78 |
| 250 | FAN0250A | 0.252 - 0.069 | 134.18 |
| 315 | FAN0315A | 0.036 - 0.162 | 200.84 |



Code **FAN**

▼ **High Performance Range**

| Size | Code | Range in M ³ per second | £ |
|------|----------|------------------------------------|---------------|
| 150 | FAN0150H | 0.186 - 0.033 | 127.50 |
| 160 | FAN0160H | 0.186 - 0.033 | 147.01 |
| 200 | FAN0200H | 0.242 - 0.048 | 166.52 |
| 250 | FAN0250H | 0.27 - 0.053 | 171.01 |
| 315 | FAN0315H | 0.51 - 0.217 | 225.12 |

▼ **Sizes**

| d | D | b | a |
|-----|-----|-----|----|
| 100 | 280 | 168 | 36 |
| 125 | 280 | 168 | 36 |
| 150 | 372 | 178 | 36 |
| 200 | 379 | 185 | 27 |
| 250 | 379 | 205 | 27 |
| 315 | 441 | 205 | 27 |

| | | |
|---------|---------------|--------------|
| SP 5001 | Speed Control | 59.24 |
|---------|---------------|--------------|

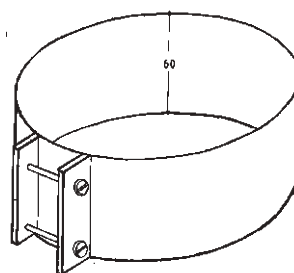
In addition to the above off the shelf In Line Fans we also supply and manufacture the following ranges.

- Domestic Fans • Acoustic in line Box Fans • acoustic in line Twin Fans • Axial Fans • Small AHU's

We are stockists for the complete range of Vent Axia fans supplied at short notice, for fan selections ask our sales team or visit their website on www.vent-axia.com. Contact our sales team for further information or visit our website.

► **Fast Clamp**

| Size | Code | Price |
|------|--------|--------------|
| 100 | FC0100 | 10.86 |
| 125 | FC0125 | 10.86 |
| 150 | FC0150 | 12.48 |
| 160 | FC0160 | 12.48 |
| 200 | FC0200 | 13.38 |
| 250 | FC0250 | 15.03 |
| 315 | FC0315 | 18.31 |
| 400 | FC0400 | 27.79 |
| 500 | FC0500 | 36.69 |



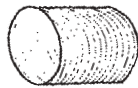
Code **FC**

► Ductwork

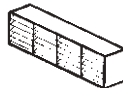
| Product | Size | PVC | PVC | PVC | Steel | Steel |
|--------------|-------|----------|----------|----------|----------|----------|
| | | 308 x 29 | 234 x 29 | 206 x 60 | 234 x 29 | 308 x 29 |
| Airbrick | Code | VKC753 | VKC703 | VKC5631 | SVKC703 | SVKC753 |
| Adapter | Price | POA | POA | POA | POA | POA |
| 2 x Airbrick | Code | | VKC712 | VKC5633 | SVKC712 | SVKC100 |
| Adapter | Price | | POA | POA | POA | POA |
| Airbrick | Code | | | VKC5615 | SVKC561 | |
| 100 Dia | Price | | | POA | POA | |
| Flat Channel | Code | VKC754 | VKC706 | VKC5604 | | |
| 1 Metre | Price | POA | POA | POA | | |
| Flat Channel | Code | VKC755 | VKC707 | VKC5629 | | |
| 2 Metre | Price | POA | POA | POA | | |
| Galvanised | Code | | | | SVKC706 | SVKC754 |
| 1.5 Metre | Price | | | | POA | POA |
| Flat Channel | Code | VKC750 | VKC703 | VKC5608 | SVKC700 | SVKC750 |
| Connector | Price | POA | POA | POA | POA | POA |
| Horizontal | Code | VKC759 | VKC711 | VKC5616 | SVKC711 | SVKC759 |
| 45 Deg Bend | Price | POA | POA | POA | POA | POA |
| Horizontal | Code | VKC751 | VKC701 | VKC5605 | SVKC701 | SVKC751 |
| 90 Deg Bend | Price | POA | POA | POA | POA | POA |
| Vertical | Code | VKC757 | VKC709 | | SVKC709 | SVKC760 |
| 45 Deg Bend | Price | POA | POA | | POA | POA |
| Vertical | Code | VKC758 | VKC710 | VKC5612 | SVKC710 | SVKC758 |
| 90 Deg Bend | Price | POA | POA | POA | POA | POA |
| Elbow Bend | Code | VKC752 | VKC702 | VKC5625 | | |
| 100 Diameter | Price | POA | POA | POA | | |
| Rec/round | Code | | VKC708 | VKC5615 | SVKC708 | SVKC100 |
| 100 Diameter | Price | | POA | POA | POA | POA |
| Support Clip | Code | | | VKC5610 | | |
| | Price | | | POA | | |
| Taper | Code | | VKC756 | | SVKC756 | |
| | Price | | POA | | POA | |
| Flexible | Code | | | VKC5627 | | |
| Bend | Price | | | POA | | |

| Product | Code | Price |
|------------------------|--------------|-------|
| 100 Dia Flex 10 metres | DFAL0100 | POA |
| 204 x 60 Air Brick | DVVC704 | POA |
| 100 Dia Extract Valve | DEAV0100 | POA |
| 200x 200 100 Dia | DGBTE200x200 | POA |
| Quick Release Clip | DQRC145 | POA |
| 200 x 200 Grille | DECG200x200 | POA |

100 Dia Flax 10 Metres
Code DFAL0100



204 x 60 Air Brick
Code DVVC704



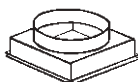
100 Dia Extract Valve
Code DEAV0100



Quick Release Clip
Code DQRC145



200 x 200 100 Dia
Code DGTE 200 x 200



200x 200 Grille
Code DECG 200 x 200



Flat Domestic Ductwork

Ideal for fitting in kitchens concealed above wall units or in wall or ceiling voids due to its low profile.

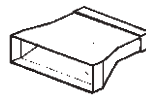
PVC Ductwork

1. Manufactured with self extinguishing materials to meet fire retardant standard UL94V2
2. Further sizes available in range (110 x 54) (150 x 70) (180 x 95)
3. Push fit socket and spigot joints (connectors required to join flat channel lengths)
4. Easily cut with a hacksaw

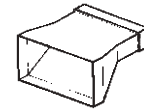
Galvanised Ductwork

1. Manufactured to DW 144
2. Connectors required at every joint
3. Flat channels incorporate flanges on each side for drilling and fixing to building
4. Dimension across flanges on flat channel (308 x 29) 355mm and (234 x 29) 280mm

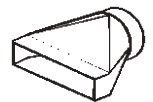
Air Brick Adapter
For codes see table



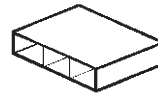
2 x Airbrick Adapter
For codes see table



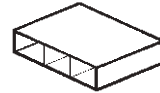
Air Brick 100 Dia
For codes see table



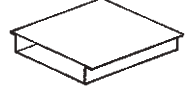
Flat Channel 1 Metre
For codes see table



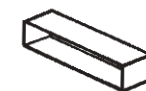
Flat Channel 2 Metre
For codes see table



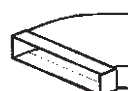
Galvanized 1.5 Metre
For codes see table



Flat Channel Connector
For codes see table



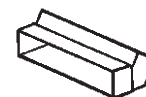
Horizontal 45° Bend
For codes see table



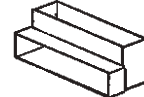
Horizontal 90° Bend
For codes see table



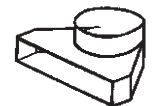
Vertical 45° Bend
For codes see table



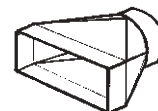
Vertical 90° Bend
For codes see table



Elbow Bend 100 Dia
For codes see table



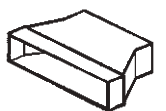
Rec/Round 100 Dia
For codes see table



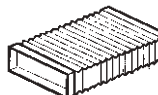
Support Clip
For codes see table



Taper
For codes see table

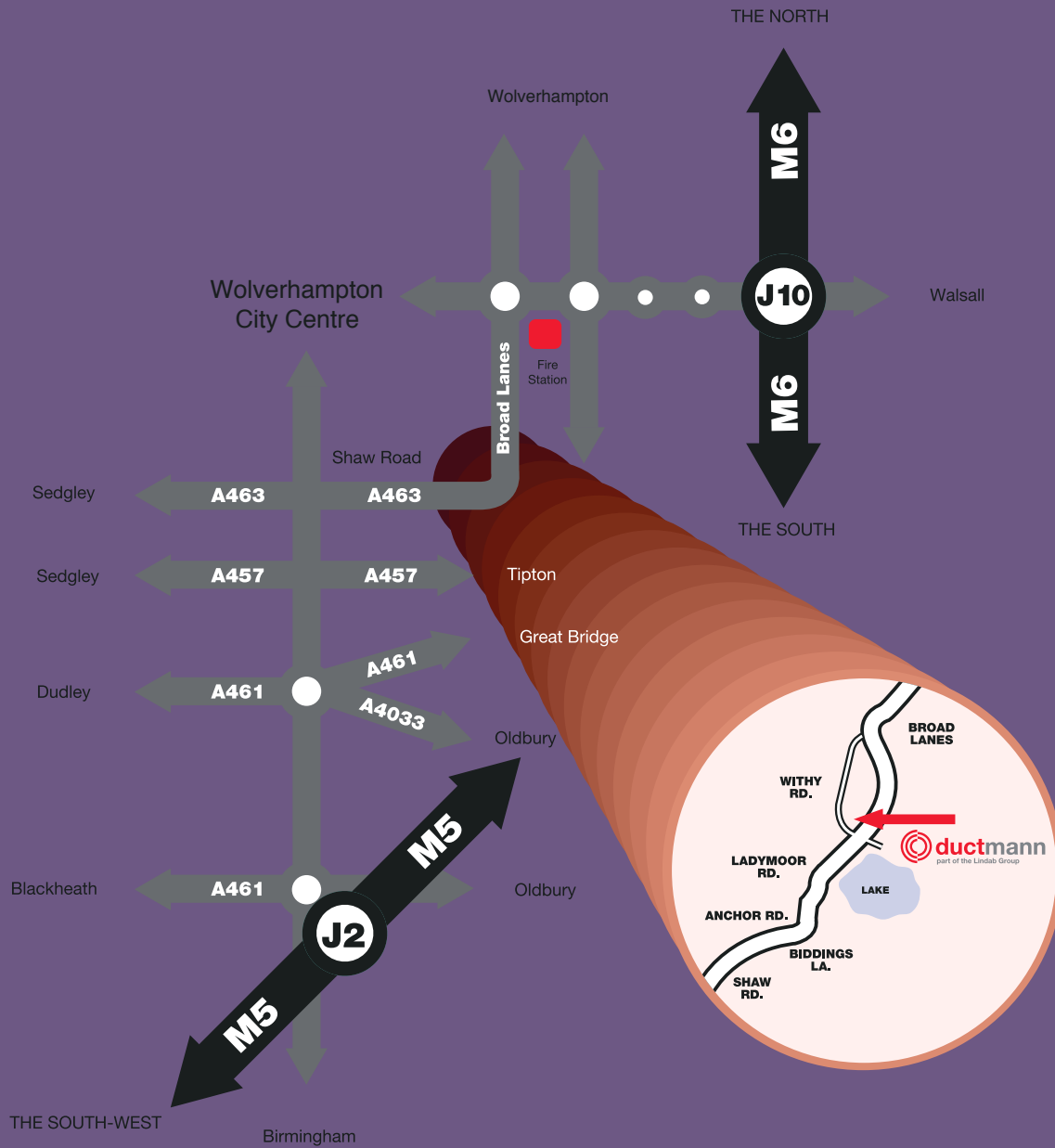


Flexible Bend
For codes see table



► Terms and Conditions of Sale

1. Unless otherwise expressly agreed in writing by the Seller (Ductmann Limited) no goods shall be supplied by the Seller to the Buyer except in accordance with these conditions, which supersede any earlier sets of conditions appearing in the Seller's catalogues or elsewhere. The conditions shall constitute the entire terms and conditions of the contract between the Buyer and the Seller and in the event of any conflict, these conditions stipulated incorporated or referred to by the Buyer whether in the order or in any negotiations or otherwise.
2. Prices quoted by the Seller to the Buyer will be valid for seven days only from the date of the quote. Subject Ductmann Limited reserves the right to increase prices, packaging and specifications without prior notification. VAT is to be added to prices quoted for mainland UK and Northern Ireland.
3. Any time or date named by the Seller for delivery of any goods is given as a forecast in the light of prevailing conditions and is given and intended as an estimate only. If notwithstanding the Seller's best endeavors the Seller fails to despatch or deliver the goods by such time or date, such failure shall not constitute a breach of the contract and the Seller shall not be liable to the Buyer to make good any damage or loss whatsoever whether arising directly or indirectly out of any delay in delivery. In the event that for any reason the Seller is unable to supply any goods on or at the time or date named for delivery, such time or date shall be postponed for a reasonable time.
4. The Buyer shall inspect the goods immediately upon delivery thereof to him and shall:
 - i. on goods delivered outside England and Wales within 14 days or,
 - ii. on all goods delivered within England and Wales within 7 days carry out such inspection and give notice in writing to the Seller of any matter, thing, defect or shortage by reason of which he alleges that the goods are not in accordance with the contract.
5. Save in respect of death or personal injury resulting from the negligence of the Seller its servants or agents, the Seller shall not be liable for any claim or claims (by direct or indirect consequential or incidental injury, loss or damage made by the Buyer against the Seller whether in contract or tort (including negligence on the part of the Seller its servants or agents) arising out of or in connection with any defects in the goods or any act, omission, neglect or default (whether or not the same constitutes a fundamental breach of contract or breach of a fundamental term thereof) of the Seller its servants or agents in the performance of this contract. If the Seller is found to be liable or admits liability the liability should be limited to the value of the invoice to which time claim relates.
6. The Buyer accepts that the person acknowledging receipt of goods from the Seller is a customer, employee or agent and the signature on the appointed carriage delivery note is legal proof of delivery of the goods.
7. In the event that the Buyer fails for any reason to accept delivery of the goods, the Seller shall be entitled to store the goods until the actual delivery and the Buyer shall be liable to the Seller for the reasonable costs of storage and insurance.
8. Goods may not be returned by the Buyer to the Seller without prior written agreement. Any such goods must be returned accompanied by a goods returns note stating the Seller's advice note number and invoice number on which the goods were originally supplied. Where a handling charge applies this will be notified by the Seller to the Buyer in writing prior to return of the goods.
9. All accounts are payable on demand. In the absence of demand, payment in full for the goods supplied shall be made by the Buyer to the Seller on or before the thirtieth day following the date of the invoice. Furthermore, the Seller shall be entitled to charge interest at the rate of 2.5% per month upon all overdue balances. The Seller shall also be entitled to charge such reasonable costs as it may incur in recovering any overdue balances.
10. The time within which the Buyer is to pay for the goods shall be of the essence of this contract and in the event that the Buyer shall fail to make payment by the due date, all sums due to the Seller from the Buyer under this or any other contract for the supply of goods shall forthwith become due and payable to the Seller.
11. The risk in respect of all goods sold under this contract shall pass to the Buyer upon despatch of the goods by the Seller from the Seller's premises, notwithstanding agreement by the Seller to bear the cost of delivery or to deliver the goods itself
12. Title in the goods shall not pass until the purchase price of the goods has been paid or satisfied in full under this or any other contract, if by cheque then only on clearance, notwithstanding the delivery of the same and the passing of risk therein. The Buyer shall store the goods in such a way that they can readily be identified as being the Seller's property.
13. The Seller retains a general lien on any of the Buyer's equipment or other goods in the Seller's possession for any unpaid balance the Buyer may owe to the Seller.
14. The Seller shall not be liable in respect of conditions or warranties whether expressed or implied, that have not been confirmed by them in writing. The Seller shall not be liable in respect of consequential loss.
15. This contract shall be governed by English Law and the parties hereto shall submit to the sole jurisdiction of the English Courts.



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