

# ductmann

spiral tube & fittings

**Spiral Tube & Fitting**

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## ► 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, Rectangular Ductwork and Flat Oval Ductwork, 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 DW 144 ductwork we offer the following bespoke services.

- 1 Spiral Ductwork, Rectangular Ductwork to none standard specifications
- 2 Flat Oval Ductwork, 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 and 8, 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 Antimicrobial coatings available for enhanced air quality for hospitals, schools and day care centres
- 12 Stainless Steel Ductwork
- 13 Stainless Steel Flue Systems

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

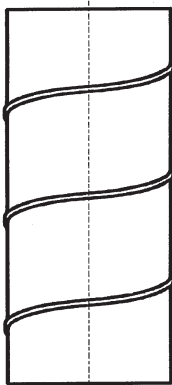
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All dimensions in millimetres unless otherwise stated.



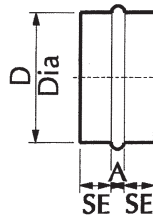
## ► Spiral Ducting



Code  
**S**

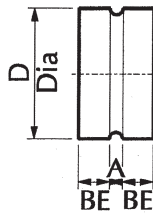
Manufactured in standard 3m lengths from hot dipped galvanised mild steel strip of spirally wound construction to DW144 specification.

## ► Couplers



Code  
**CM**

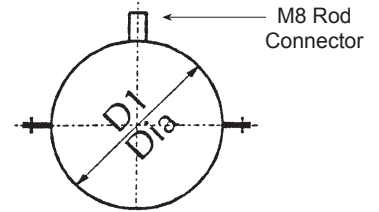
Male Coupler



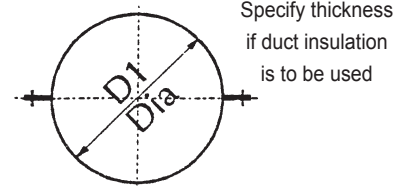
Code  
**CF**

Female Coupler

## ► Split Ring Supports



Typical up to 315 diameter



Typical 355 diameter & above

Split Ring Duct Supports

Code **SR**

| Diameter<br>Ø | Prices    |         | Material<br>ThK |
|---------------|-----------|---------|-----------------|
|               | £/3 Metre | £/Metre |                 |
| 80            | 11.88     | 4.36    | 0.50            |
| 100           | 10.70     | 3.92    | 0.50            |
| 125           | 13.44     | 4.93    | 0.50            |
| 150           | 16.09     | 5.90    | 0.50            |
| 160           | 17.21     | 6.31    | 0.50            |
| 180           | 23.15     | 8.49    | 0.60            |
| 200           | 25.76     | 9.45    | 0.60            |
| 224           | 28.75     | 10.54   | 0.60            |
| 250           | 32.15     | 11.79   | 0.60            |
| 280           | 36.04     | 13.21   | 0.60            |
| 300           | 38.69     | 14.19   | 0.60            |
| 315           | 40.50     | 14.85   | 0.60            |
| 355           | 61.00     | 22.37   | 0.80            |
| 400           | 68.70     | 25.19   | 0.80            |
| 450           | 77.26     | 28.33   | 0.80            |
| 500           | 85.84     | 31.47   | 0.80            |
| 560           | 96.13     | 35.25   | 0.80            |
| 600           | 103.01    | 37.77   | 0.80            |
| 630           | 108.24    | 39.69   | 0.80            |
| 710           | 121.97    | 44.72   | 0.80            |
| 800           | 137.38    | 50.37   | 0.80            |
| 900           | 193.21    | 70.84   | 1.00            |
| 1000          | 214.68    | 78.72   | 1.00            |
| 1118          | 307.08    | 112.60  | 1.20            |
| 1250          | 342.67    | 125.65  | 1.20            |
| 1422          | 391.39    | 143.51  | 1.20            |
| 1524          | 417.90    | 153.23  | 1.20            |

| Diameter<br>Ø | Prices<br>BE/SE | Dimensions |       |
|---------------|-----------------|------------|-------|
|               |                 | 'A'        | BE/SE |
| 80            | 1.35            | 10         | 40    |
| 100           | 1.46            | 10         | 40    |
| 125           | 1.56            | 10         | 40    |
| 150           | 1.64            | 10         | 40    |
| 160           | 1.67            | 10         | 40    |
| 180           | 1.75            | 10         | 40    |
| 200           | 1.81            | 10         | 40    |
| 224           | 1.96            | 10         | 40    |
| 250           | 2.04            | 10         | 40    |
| 280           | 2.81            | 10         | 40    |
| 300           | 2.89            | 10         | 40    |
| 315           | 2.93            | 10         | 40    |
| 355           | 4.04            | 10         | 50    |
| 400           | 4.20            | 10         | 50    |
| 450           | 5.20            | 10         | 50    |
| 500           | 5.43            | 10         | 50    |
| 560           | 7.12            | 10         | 50    |
| 600           | 7.27            | 10         | 50    |
| 630           | 7.56            | 10         | 50    |
| 710           | 10.04           | 15         | 50    |
| 800           | 14.71           | 15         | 50    |
| 900           | 16.33           | 15         | 50    |
| 1000          | 18.00           | 15         | 50    |
| 1118          | 24.16           | 20         | 50    |
| 1250          | 24.94           | 20         | 50    |
| 1422          | 27.89           | 20         | 50    |
| 1524          | 28.53           | 20         | 50    |

| Duct Diameter | Material | Rod Diameter | Max Spacing  | Prices (EACH) |
|---------------|----------|--------------|--------------|---------------|
| 80            | 25 x 2   | M8           | 3000         | 3.15          |
| 100           | 25 x 2   | M8           | 3000         | 3.15          |
| 125           | 25 x 2   | M8           | 3000         | 3.15          |
| 150           | 25 x 2   | M8           | 3000         | 3.15          |
| 160           | 25 x 2   | M8           | 3000         | 3.76          |
| 180           | 25 x 2   | M8           | 3000         | 3.76          |
| 200           | 25 x 2   | M8           | 3000         | 3.76          |
| 224           | 25 x 2   | M8           | 3000         | 3.76          |
| 250           | 25 x 2   | M8           | 3000         | 4.58          |
| 280           | 25 x 2   | M8           | 3000         | 5.87          |
| 300           | 25 x 2   | M8           | 3000         | 5.87          |
| 315           | 25 x 2   | M8           | 3000         | 5.89          |
| 355           | 25 x 3   | M8           | 3000         | 6.58          |
| 400           | 25 x 3   | M8           | 3000         | 6.59          |
| 450           | 25 x 3   | M8           | 3000         | 7.88          |
| 500           | 30 x 3   | M8           | 3000         | 11.83         |
| 560           | 30 x 3   | M8           | 3000         | 13.11         |
| 600           | 30 x 3   | M8           | 3000         | 13.11         |
| 630           | 30 x 3   | M8           | 3000         | 13.41         |
| 710           | 30 x 3   | M8           | 3000         | 13.67         |
| 800           | 30 x 3   | M8           | 3000         | 14.19         |
| 900           | 40 x 5   | M10          | 3000         | 24.36         |
| 1000          | 40 x 5   | M10          | 3000         | 25.61         |
| 1118          | 40 x 5   | M10          | 3000         | 27.19         |
| 1250          | 40 x 5   | M12          | 3000         | 30.19         |
| 1422          | 40 x 5   | M12          | 3000         | 32.42         |
| 1524          | 50 x 6   | M12          | As Specified | 44.19         |

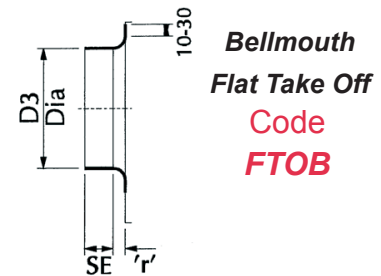
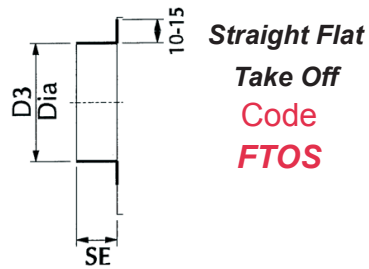
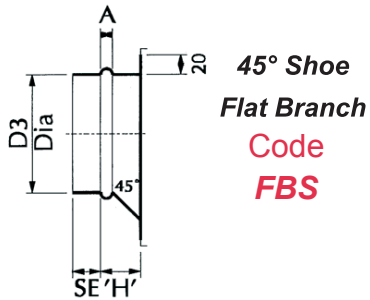
Other Non-standard sizes available -  
381, 432, 610, 660, 762, 813, 864, 914,  
965, 1016, 1067, 1168, 1219, 1270, 1321,  
1600, 2000.

£/Metre includes 10% cutting charge.

Use flange joint for sizes above 1000 diameter.

Dimensions 'A' & SE/BE are identical for all  
pressed and fabricated fittings.

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



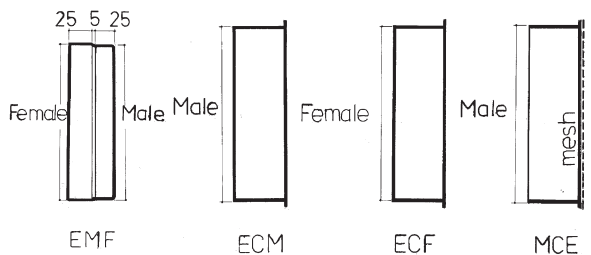
| Diameter<br>'D3' | Prices | Dimensions<br>'H' |
|------------------|--------|-------------------|
| 80               | 13.97  | 75                |
| 100              | 14.19  | 75                |
| 125              | 14.71  | 75                |
| 150              | 16.15  | 75                |
| 160              | 16.24  | 75                |
| 180              | 18.37  | 75                |
| 200              | 18.91  | 75                |
| 224              | 23.85  | 110               |
| 250              | 23.85  | 110               |
| 280              | 28.27  | 110               |
| 300              | 31.22  | 110               |
| 315              | 33.07  | 125               |
| 355              | 38.93  | 125               |
| 400              | 44.07  | 125               |
| 450              | 55.11  | 160               |
| 500              | 58.74  | 160               |
| 560              | 69.78  | 160               |
| 600              | 69.78  | 160               |
| 630              | 69.78  | 210               |

| Diameter<br>'D3' | Prices |
|------------------|--------|
| 80               | 2.12   |
| 100              | 2.22   |
| 125              | 2.32   |
| 150              | 2.53   |
| 160              | 2.67   |
| 180              | 3.21   |
| 200              | 3.38   |
| 224              | 3.82   |
| 250              | 4.13   |
| 280              | 5.13   |
| 300              | 5.37   |
| 315              | 5.62   |
| 355              | 6.00   |
| 400              | 6.13   |
| 450              | 8.90   |
| 500              | 9.68   |
| 560              | 11.34  |
| 600              | 12.41  |
| 630              | 12.41  |
| 710              | 16.42  |
| 800              | 21.95  |
| 900              | 23.00  |
| 1000             | 26.55  |
| 1118             | 33.89  |
| 1250             | 34.53  |
| 1422             | 44.07  |
| 1524             | 55.11  |

| Diameter<br>'D3' | Prices | Radius<br>r |
|------------------|--------|-------------|
| 80               | 3.47   | 12          |
| 100              | 4.43   | 15          |
| 125              | 4.82   | 20          |
| 150              | 5.64   | 25          |
| 160              | 5.89   | 25          |
| 180              | 6.61   | 25          |
| 200              | 7.07   | 25          |
| 224              | 7.54   | 25          |
| 250              | 8.00   | 25          |
| 300              | 11.64  | 25          |
| 315              | 12.24  | 25          |

| Diameter<br>'D1' | Prices<br>MCE |
|------------------|---------------|
| 80               | 23.48         |
| 100              | 23.48         |
| 125              | 23.81         |
| 150              | 24.69         |
| 160              | 24.84         |
| 180              | 26.27         |
| 200              | 27.26         |
| 224              | 35.19         |
| 250              | 34.88         |
| 280              | 39.42         |
| 300              | 39.79         |
| 315              | 40.17         |
| 355              | 41.16         |
| 400              | 47.15         |
| 450              | 48.12         |
| 500              | 49.07         |
| 560              | 57.28         |
| 600              | 61.38         |
| 630              | 64.42         |
| 710              | 79.70         |
| 800              | 100.19        |
| 900              | 121.52        |

## ► End Caps



**Code  
EMF**

**Code  
ECM**

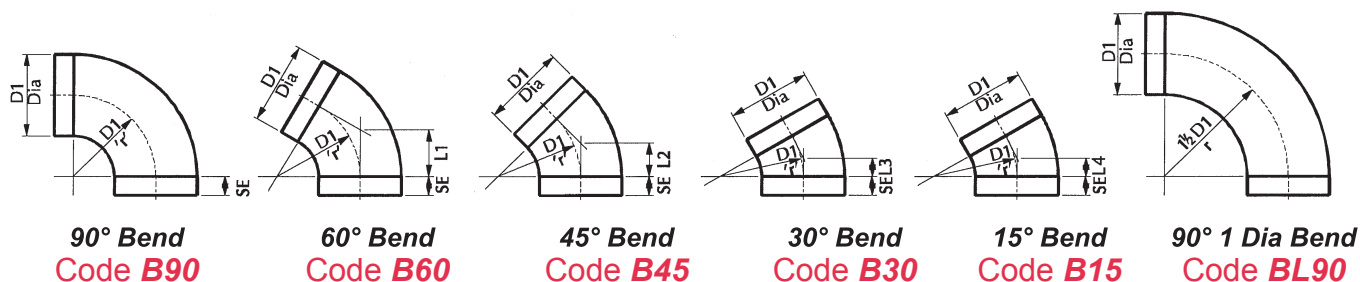
**Code  
ECF**

**Code  
MCE**

| Diameter<br>'D1' | Prices<br>EMF |
|------------------|---------------|
| 80               | 3.75          |
| 100              | 3.75          |
| 125              | 4.07          |
| 150              | 4.91          |
| 160              | 4.77          |
| 180              | 6.15          |
| 200              | 6.37          |
| 224              | 9.72          |
| 250              | 9.72          |
| 280              | 14.06         |
| 300              | 14.06         |
| 315              | 14.06         |

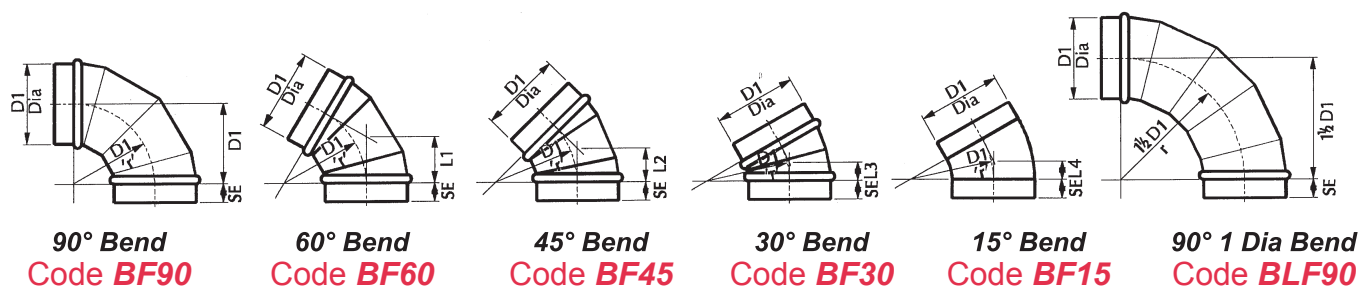
| Diameter<br>'D1' | Prices<br>ECM | Prices<br>ECF |
|------------------|---------------|---------------|
| 80               | 12.86         | 12.86         |
| 100              | 13.97         | 13.97         |
| 125              | 15.80         | 15.80         |
| 150              | 16.17         | 16.17         |
| 160              | 19.84         | 19.84         |
| 180              | 20.22         | 20.22         |
| 200              | 20.22         | 20.22         |
| 224              | 42.25         | 42.25         |
| 250              | 47.77         | 47.77         |
| 280              | 47.77         | 47.77         |
| 300              | 58.74         | 58.74         |
| 315              | 84.48         | 84.48         |
| 355              | 91.80         | 91.80         |
| 400              | 121.21        | 121.21        |
| 450              | 132.19        | 132.19        |

## ► Pressed Bends



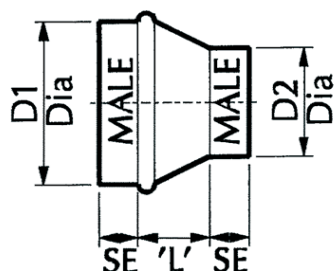
| Diameter<br>'D1' | Prices |       |      |      |       |       | Dimensions |      |      |      |
|------------------|--------|-------|------|------|-------|-------|------------|------|------|------|
|                  | B90    | B60   | B45  | B30  | B15   | BL90  | 'L1'       | 'L2' | 'L3' | 'L4' |
| 80               | 5.42   | 7.89  | 4.32 | 4.17 |       | 7.14  | 46         | 33   | 21   | 11   |
| 100              | 5.42   | 5.42  | 4.32 | 4.17 | 6.00  | 8.82  | 58         | 41   | 27   | 13   |
| 125              | 6.90   | 6.46  | 5.25 | 4.72 | 7.50  | 11.06 | 72         | 52   | 33   | 16   |
| 150              | 9.93   | 11.21 | 6.81 | 6.46 | 9.71  | 14.96 | 87         | 62   | 40   | 20   |
| 160              | 9.87   | 11.57 | 8.79 | 6.63 | 9.76  | 15.11 | 92         | 66   | 43   | 21   |
| 180              | 13.18  | 14.15 | 8.71 | 8.39 | 17.03 | 20.21 | 104        | 75   | 48   | 24   |
| 200              | 14.32  | 13.96 | 9.21 | 9.14 | 12.80 | 24.33 | 115        | 83   | 54   | 26   |

## ► Fabricated Bends



| Diameter<br>'D1' | Prices  |        |        |        |       |         | Dimensions |      |      |      |
|------------------|---------|--------|--------|--------|-------|---------|------------|------|------|------|
|                  | BF90    | BF60   | BF45   | BF30   | BF15  | BLF90   | 'L1'       | 'L2' | 'L3' | 'L4' |
| 225              | 21.21   | 22.51  | 15.18  | 13.69  | 12.82 | 25.44   | 130        | 93   | 60   | 30   |
| 250              | 26.17   | 19.29  | 17.68  | 16.58  | 12.82 | 34.90   | 144        | 104  | 67   | 33   |
| 280              | 20.22   | 19.84  | 20.00  | 15.41  | 12.82 | 51.42   | 162        | 116  | 75   | 37   |
| 300              | 20.22   | 19.84  | 15.41  | 15.41  | 14.71 | 51.42   | 173        | 124  | 80   | 40   |
| 315              | 20.22   | 19.84  | 15.41  | 15.41  | 15.41 | 51.42   | 182        | 130  | 84   | 41   |
| 355              | 23.85   | 22.76  | 20.22  | 18.91  | 19.10 | 55.66   | 205        | 147  | 95   | 47   |
| 400              | 30.28   | 27.19  | 21.84  | 20.22  | 20.56 | 60.42   | 231        | 166  | 107  | 53   |
| 450              | 38.20   | 31.22  | 25.36  | 21.31  | 20.95 | 66.24   | 260        | 186  | 121  | 59   |
| 500              | 49.59   | 42.25  | 30.88  | 22.03  | 22.03 | 74.20   | 289        | 207  | 134  | 66   |
| 560              | 66.49   | 58.17  | 38.56  | 29.38  | 29.38 | 88.50   | 323        | 232  | 150  | 74   |
| 600              | 80.81   | 69.78  | 41.46  | 33.07  | 33.07 | 123.75  | 346        | 249  | 161  | 79   |
| 630              | 82.10   | 72.35  | 45.17  | 33.07  | 33.07 | 123.75  | 364        | 261  | 169  | 83   |
| 710              | 124.84  | 114.03 | 62.43  | 53.23  | 51.41 | 180.19  | 410        | 294  | 190  | 94   |
| 800              | 148.35  | 141.77 | 88.15  | 69.78  |       | 206.69  | 462        | 331  | 214  | 105  |
| 900              | 238.69  | 170.11 | 132.19 | 84.48  |       | 392.18  | 520        | 373  | 241  | 119  |
| 1000             | 348.86  | 277.35 | 212.98 | 110.18 |       | 471.67  | 577        | 414  | 268  | 132  |
| 1118             | 517.76  | 390.37 | 301.08 | 176.24 |       | 620.06  | 646        | 463  | 300  | 147  |
| 1250             | 616.89  | 461.60 | 348.86 | 198.28 |       | 843.63  | 722        | 518  | 335  | 165  |
| 1422             | 881.27  | 660.39 | 550.80 | 286.43 |       | 1048.28 | 821        | 589  | 381  | 187  |
| 1524             | 1061.21 | 791.57 | 587.51 | 348.86 |       | 1070.55 | 880        | 631  | 408  | 201  |

## ► Short Conical Reducers (Pressed)



Concentric  
Code  
**RCS**

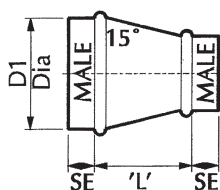
### ▼ Prices

| Diameter 'D1' | Diameter D2 |       |       |       |       |       |       |       |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|
|               | 80          | 100   | 125   | 150   | 160   | 180   | 200   | 224   |
| 100           | 4.47        |       |       |       |       |       |       |       |
| 125           | 5.23        | 5.23  |       |       |       |       |       |       |
| 150           |             | 8.52  | 8.52  |       |       |       |       |       |
| 160           | 5.97        | 5.97  | 5.97  | 8.66  |       |       |       |       |
| 180           |             |       | 10.22 | 10.22 | 10.22 |       |       |       |
| 200           |             | 10.44 | 10.44 | 10.44 | 10.44 |       |       |       |
| 224           |             |       |       | 13.73 | 13.73 | 13.73 | 13.73 |       |
| 250           |             |       | 15.89 | 15.89 | 15.89 | 15.89 | 15.89 | 15.89 |

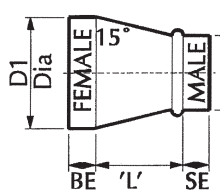
### ▼ Dimension 'L'

| Diameter 'D1' | Diameter D2 |     |     |     |     |     |     |     |
|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|
|               | 80          | 100 | 125 | 150 | 160 | 180 | 200 | 224 |
| 100           | 18          |     |     |     |     |     |     |     |
| 125           | 28          | 22  |     |     |     |     |     |     |
| 150           |             | 34  | 22  |     |     |     |     |     |
| 160           | 48          | 37  | 26  | 14  |     |     |     |     |
| 180           |             |     | 37  | 24  | 19  |     |     |     |
| 200           |             | 58  | 46  | 34  | 26  |     |     |     |
| 224           |             |     |     | 45  | 40  | 30  | 20  |     |
| 250           |             |     | 70  | 59  | 53  | 43  | 40  | 21  |

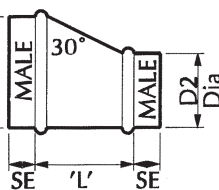
## ► Long Fabricated Reducers



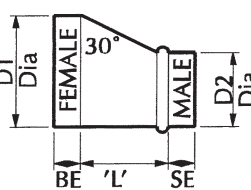
Concentric  
Code  
**RCL**



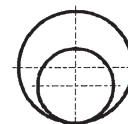
Concentric  
Code  
**RCFL**



Eccentric  
Code  
**REL**



Eccentric  
Code  
**REFL**



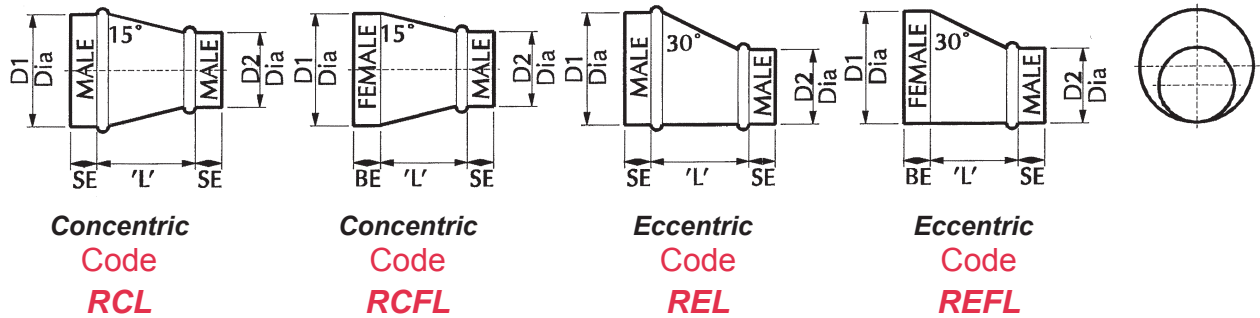
### ▼ Prices Concentric (Eccentric PLUS 30%)

| Diameter 'D1' | Diameter D2 |       |       |       |       |       |       |       |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|
|               | 80          | 100   | 125   | 150   | 160   | 180   | 200   | 224   |
| 100           | 6.24        |       |       |       |       |       |       |       |
| 125           | 6.24        | 6.24  |       |       |       |       |       |       |
| 150           | 7.72        | 7.72  | 7.34  |       |       |       |       |       |
| 160           | 8.46        | 8.05  | 8.05  | 8.05  |       |       |       |       |
| 180           | 10.29       | 9.57  | 9.57  | 9.57  | 9.57  |       |       |       |
| 200           |             | 11.04 | 11.04 | 9.57  | 9.57  | 9.57  |       |       |
| 224           |             | 12.86 | 12.86 | 12.86 | 12.86 | 12.86 | 12.86 |       |
| 250           |             | 13.97 | 13.73 | 13.56 | 13.56 | 13.56 | 12.48 | 12.48 |
| 280           |             |       |       | 16.17 | 16.17 | 16.17 | 15.41 | 14.71 |
| 300           |             | 20.95 |       | 20.95 | 20.95 | 20.22 | 20.22 | 20.22 |
| 315           |             |       |       | 22.03 | 20.22 | 20.22 | 20.22 | 20.22 |
| 355           |             |       |       |       |       |       | 24.94 | 23.85 |
| 400           |             |       |       |       |       |       | 27.54 | 27.54 |

### ▼ 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 |     |     |     |
| 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



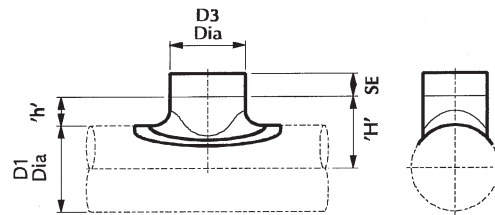
### ▼ Prices Concentric (Eccentric Plus 30%)

| Diameter 'D1' | Diameter D2 |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
|---------------|-------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|               | 250         | 280   | 300   | 315   | 355   | 400   | 450   | 500    | 560    | 600    | 630    | 710    | 800    | 900    | 1000   | 1118   | 1250   | 1422   |
| 280           | 13.56       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| 300           | 20.22       | 20.22 |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| 315           | 20.22       | 20.22 | 20.22 |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| 355           | 23.85       | 20.22 | 20.22 | 20.22 |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| 400           | 27.54       | 27.89 | 27.89 | 27.89 | 23.85 |       |       |        |        |        |        |        |        |        |        |        |        |        |
| 450           | 29.38       | 28.27 | 28.27 | 28.27 | 25.75 | 25.75 |       |        |        |        |        |        |        |        |        |        |        |        |
| 500           | 33.07       | 31.22 | 31.22 | 31.22 | 28.27 | 26.81 | 26.81 |        |        |        |        |        |        |        |        |        |        |        |
| 560           | 40.40       | 40.40 | 40.40 | 40.40 | 38.56 | 38.36 | 38.36 | 38.20  |        |        |        |        |        |        |        |        |        |        |
| 600           |             |       | 40.40 | 40.40 | 38.56 | 38.56 | 38.56 | 37.82  | 37.82  |        |        |        |        |        |        |        |        |        |
| 630           |             |       | 44.07 | 44.07 | 44.19 | 42.25 | 42.25 | 42.25  | 42.25  | 42.25  |        |        |        |        |        |        |        |        |
| 710           |             |       |       |       | 77.14 | 77.14 | 73.44 | 73.44  | 73.44  | 67.93  | 67.93  |        |        |        |        |        |        |        |
| 800           |             |       |       |       |       |       |       | 56.21  | 76.96  | 76.96  | 72.31  | 72.31  |        |        |        |        |        |        |
| 900           |             |       |       |       |       |       |       | 115.69 | 115.69 | 108.33 | 108.33 | 108.33 | 108.33 |        |        |        |        |        |
| 1000          |             |       |       |       |       |       |       | 115.69 | 115.69 | 146.88 | 146.88 | 121.21 | 121.21 | 121.21 |        |        |        |        |
| 1118          |             |       |       |       |       |       |       |        |        |        | 154.22 | 154.22 | 183.63 | 186.12 | 183.63 |        |        |        |
| 1250          |             |       |       |       |       |       |       |        |        |        | 275.25 | 257.62 | 237.37 | 214.67 | 192.07 | 165.31 |        |        |
| 1422          |             |       |       |       |       |       |       |        |        |        |        |        | 339.54 | 311.74 | 283.94 | 257.69 | 229.89 |        |
| 1524          |             |       |       |       |       |       |       |        |        |        |        |        | 428.16 | 383.48 | 370.24 | 340.45 | 312.33 | 254.39 |

### ▼ 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**

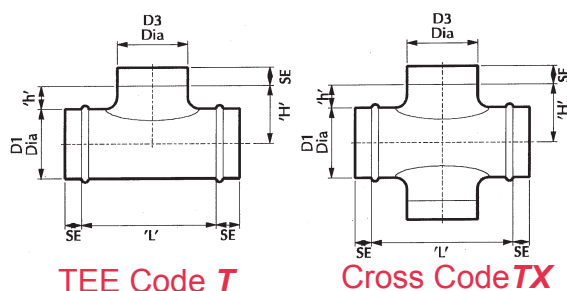
| Diameter<br>'D1' | Dimensions D3 |      |      |      |      |      |      |       |       |     |       |       |
|------------------|---------------|------|------|------|------|------|------|-------|-------|-----|-------|-------|
|                  | 80            | 100  | 125  | 150  | 160  | 180  | 200  | 224   | 250   | 280 | 300   | 315   |
| 80               | 3.93          |      |      |      |      |      |      |       |       |     |       |       |
| 100              | 3.93          | 3.93 |      |      |      |      |      |       |       |     |       |       |
| 125              | 3.93          | 3.93 | 4.57 |      |      |      |      |       |       |     |       |       |
| 150              | 3.93          | 3.93 | 4.57 | 6.11 |      |      |      |       |       |     |       |       |
| 160              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 |      |      |       |       |     |       |       |
| 180              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 |      |       |       |     |       |       |
| 200              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 |       |       |     |       |       |
| 224              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 |       |     |       |       |
| 250              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 |     |       |       |
| 280              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   |       |       |
| 300              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 |       |
| 315              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 355              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 400              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 450              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 500              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 560              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 600              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |
| 630              | 3.93          | 3.93 | 4.57 | 6.11 | 7.95 | 7.95 | 8.68 | 11.07 | 12.45 | -   | 14.78 | 17.52 |

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



## ► Pressed Tees & Crosses

Formed by assembling pressed saddles onto fabricated body



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

### ▼ Prices For Tee (T)

| Diameter<br>'D1' | Diameter D3 |       |       |       |       |       |       |       |       |     |       |       |
|------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|
|                  | 80          | 100   | 125   | 150   | 160   | 180   | 200   | 224   | 250   | 280 | 300   | 315   |
| 80               | 13.97       |       |       |       |       |       |       |       |       |     |       |       |
| 100              | 14.82       | 10.68 |       |       |       |       |       |       |       |     |       |       |
| 125              | 15.80       | 11.64 | 11.42 |       |       |       |       |       |       |     |       |       |
| 150              | 17.09       | 11.94 | 11.83 | 13.20 |       |       |       |       |       |     |       |       |
| 160              | 17.09       | 12.08 | 11.97 | 13.41 | 15.01 |       |       |       |       |     |       |       |
| 180              | 20.56       | 14.92 | 16.17 | 16.33 | 15.31 | 19.71 |       |       |       |     |       |       |
| 200              | 21.31       | 16.49 | 17.78 | 18.00 | 20.87 | 20.75 | 23.32 |       |       |     |       |       |
| 224              | 25.75       | 18.12 | 18.15 | 19.71 | 22.60 | 22.52 | 27.08 | 23.58 |       |     |       |       |
| 250              | 25.75       | 19.75 | 19.84 | 20.22 | 23.07 | 24.32 | 27.21 | 18.91 | 32.19 |     |       |       |
| 280              | 29.38       | 20.60 | 21.91 | 22.11 | 24.74 | 25.05 | 28.89 | 20.22 | 33.57 | -   |       |       |
| 300              | 30.48       | 20.91 | 22.14 | 22.47 | 24.74 | 25.45 | 28.89 | 21.31 | 33.57 | -   | 38.24 |       |
| 315              | 31.22       | 22.44 | 22.41 | 22.74 | 25.09 | 25.75 | 29.41 | 22.03 | 34.11 | -   | 38.53 | 40.07 |
| 355              |             | 25.61 | 24.36 | 26.06 | 27.80 | 30.41 | 34.37 | 29.38 | 38.94 | -   | 42.25 | 43.82 |
| 400              |             | 28.12 | 29.33 | 29.28 | 29.28 | 35.16 | 36.95 | 33.07 | 41.63 | -   | 44.83 | 46.43 |
| 450              |             | 29.79 | 31.37 | 32.37 | 35.01 | 38.36 | 38.36 | 33.07 | 42.95 | -   | 45.89 | 47.45 |
| 500              |             | 31.00 | 32.26 | 33.67 | 37.61 | 41.06 | 41.06 | 33.07 | 45.26 | -   | 48.39 | 49.92 |
| 560              |             | 31.75 | 32.97 | 34.52 | 37.90 | 42.12 | 42.12 | 53.23 | 46.92 | -   | 49.92 | 51.46 |
| 600              |             | 32.64 | 33.91 | 35.47 | 38.53 | 42.40 | 42.40 | 53.23 | 48.05 | -   | 51.06 | 52.62 |
| 630              |             | 34.04 | 35.20 | 36.93 | 39.59 | 44.32 | 44.32 | 69.78 | 50.12 | -   | 53.10 | 54.86 |

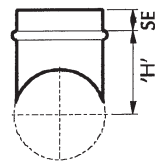
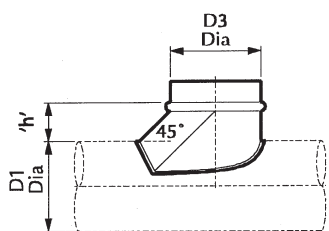
### ▼ Dimension 'L'

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

### ▼ Prices For Crosses (TX)

| Diameter<br>'D1' | Diameter D3 |       |       |       |       |       |       |        |       |     |       |       |
|------------------|-------------|-------|-------|-------|-------|-------|-------|--------|-------|-----|-------|-------|
|                  | 80          | 100   | 125   | 150   | 160   | 180   | 200   | 224    | 250   | 280 | 300   | 315   |
| 80               | 20.26       |       |       |       |       |       |       |        |       |     |       |       |
| 100              | 21.49       | 15.49 |       |       |       |       |       |        |       |     |       |       |
| 125              | 22.91       | 16.87 | 16.56 |       |       |       |       |        |       |     |       |       |
| 150              | 24.78       | 17.31 | 17.16 | 19.15 |       |       |       |        |       |     |       |       |
| 160              | 24.78       | 17.51 | 17.35 | 19.45 | 21.76 |       |       |        |       |     |       |       |
| 180              | 29.82       | 21.63 | 23.45 | 23.68 | 22.20 | 28.58 |       |        |       |     |       |       |
| 200              | 30.90       | 23.91 | 25.78 | 26.09 | 30.27 | 30.08 | 33.82 |        |       |     |       |       |
| 224              | 37.34       | 26.28 | 26.31 | 28.58 | 32.76 | 32.65 | 39.27 | 34.19  |       |     |       |       |
| 250              | 37.34       | 28.64 | 28.76 | 29.31 | 33.45 | 35.27 | 39.46 | 27.42  | 46.68 |     |       |       |
| 280              | 42.61       | 29.87 | 31.76 | 32.06 | 35.87 | 36.32 | 41.88 | 29.31  | 48.68 | -   |       |       |
| 300              | 44.19       | 30.31 | 32.10 | 32.58 | 35.87 | 36.90 | 41.88 | 30.90  | 48.68 | -   | 55.44 |       |
| 315              | 45.28       | 32.53 | 32.50 | 32.97 | 36.39 | 37.34 | 42.64 | 31.95  | 49.46 | -   | 55.87 | 58.10 |
| 355              |             | 37.13 | 35.32 | 37.79 | 40.31 | 44.09 | 49.84 | 42.61  | 56.47 | -   | 61.26 | 63.54 |
| 400              |             | 40.77 | 42.53 | 42.46 | 42.46 | 50.98 | 53.58 | 47.96  | 60.36 | -   | 65.00 | 67.32 |
| 450              |             | 43.19 | 45.49 | 46.94 | 50.76 | 55.63 | 55.63 | 47.96  | 62.28 | -   | 66.54 | 68.80 |
| 500              |             | 44.95 | 46.77 | 48.83 | 54.53 | 59.54 | 59.54 | 47.96  | 65.63 | -   | 70.17 | 72.38 |
| 560              |             | 46.03 | 47.81 | 50.06 | 54.96 | 61.08 | 61.08 | 77.19  | 68.03 | -   | 72.38 | 74.62 |
| 600              |             | 47.32 | 49.17 | 51.43 | 55.87 | 61.48 | 61.48 | 77.19  | 69.67 | -   | 74.04 | 76.30 |
| 630              |             | 49.36 | 51.04 | 53.54 | 57.41 | 64.26 | 64.26 | 101.19 | 72.67 | -   | 76.99 | 79.55 |

## ► Shoe Saddles



Code  
**SS**

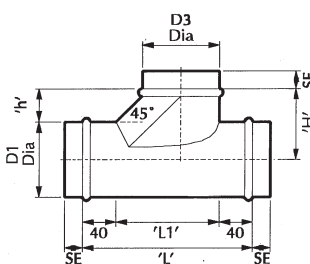
### ▼ Prices

| Diameter D1 | Diameter D3 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 100         | 125   | 150   | 160   | 180   | 200   | 224   | 250   | 280   | 300   | 315   | 355   | 400   | 450   | 500   | 560   | 600   | 630   |
| 100         | 14.52       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 125         | 14.52       | 14.69 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 150         | 14.52       | 14.69 | 15.99 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 160         | 14.52       | 14.69 | 15.99 | 17.72 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 180         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 200         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 |       |       |       |       |       |       |       |       |       |       |       |       |
| 224         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 |       |       |       |       |       |       |       |       |       |       |       |
| 250         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 |       |       |       |       |       |       |       |       |       |       |
| 280         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 |       |       |       |       |       |       |       |       |       |
| 300         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 |       |       |       |       |       |       |       |       |
| 315         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 |       |       |       |       |       |       |       |
| 355         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 |       |       |       |       |       |       |
| 400         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 | 54.53 |       |       |       |       |       |
| 450         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 | 54.53 | 64.56 |       |       |       |       |
| 500         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 | 54.53 | 64.56 | 75.01 |       |       |       |
| 560         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 | 54.53 | 64.56 | 75.01 | 82.25 |       |       |
| 600         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 | 54.53 | 64.56 | 75.01 | 82.25 | 82.25 |       |
| 630         | 14.52       | 14.69 | 15.99 | 17.72 | 19.44 | 19.44 | 22.82 | 22.82 | 29.33 | 29.33 | 34.91 | 46.59 | 54.53 | 64.56 | 75.01 | 82.25 | 82.25 | 82.25 |

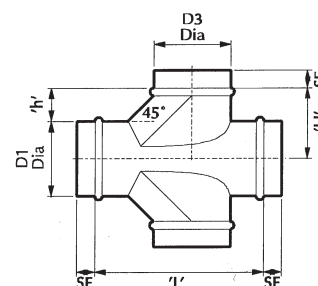
| Dim 'h' | 75 | 75 | 75 | 75 | 75 | 75 | 110 | 110 | 110 | 110 | 125 | 125 | 125 | 160 | 160 | 160 | 160 | 210 |
|---------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|---------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

## ► 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           | 34.83       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 125           | 35.48       | 37.12 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 150           | 36.58       | 37.93 | 41.10 |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 160           | 36.58       | 38.28 | 41.10 | 40.43 |       |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 180           | 38.93       | 38.47 | 43.65 | 43.73 | 47.77 |       |       |       |       |        |        |        |        |        |        |        |        |        |
| 200           | 40.38       | 41.95 | 45.20 | 45.26 | 48.65 | 50.86 |       |       |       |        |        |        |        |        |        |        |        |        |
| 224           | 41.72       | 43.36 | 46.75 | 46.81 | 49.59 | 52.53 | 55.75 |       |       |        |        |        |        |        |        |        |        |        |
| 250           | 43.39       | 44.88 | 48.45 | 48.53 | 51.37 | 54.38 | 58.74 | 63.92 |       |        |        |        |        |        |        |        |        |        |
| 280           | 46.35       | 47.99 | 51.53 | 51.64 | 55.48 | 58.56 | 62.62 | 67.25 | 72.68 |        |        |        |        |        |        |        |        |        |
| 300           | 47.33       | 49.08 | 52.79 | 52.84 | 55.45 | 58.80 | 63.92 | 68.83 | 75.76 | 82.35  |        |        |        |        |        |        |        |        |
| 315           | 47.33       | 49.08 | 52.79 | 52.84 | 55.45 | 58.80 | 63.92 | 68.83 | 75.76 | 82.35  | 83.16  |        |        |        |        |        |        |        |
| 355           | 49.38       | 51.13 | 55.09 | 55.09 | 57.72 | 61.16 | 65.16 | 71.30 | 76.92 | 85.20  | 85.92  | 99.71  |        |        |        |        |        |        |
| 400           | 52.60       | 54.49 | 58.36 | 58.47 | 61.28 | 64.72 | 68.68 | 75.08 | 80.90 | 89.36  | 90.00  | 104.12 | 114.38 |        |        |        |        |        |
| 450           | 54.91       | 56.96 | 61.00 | 61.38 | 63.85 | 67.51 | 71.78 | 78.21 | 83.81 | 92.40  | 93.15  | 108.19 | 118.65 | 130.66 |        |        |        |        |
| 500           | 57.72       | 59.90 | 63.92 | 64.11 | 66.95 | 68.49 | 75.16 | 81.47 | 87.30 | 96.01  | 96.80  | 112.46 | 123.61 | 135.38 | 148.75 |        |        |        |
| 560           | 60.18       | 62.46 | 66.88 | 66.95 | 69.99 | 73.73 | 78.00 | 84.72 | 90.62 | 99.87  | 100.61 | 117.08 | 127.93 | 140.21 | 154.88 | 166.53 |        |        |
| 600           | 62.05       | 64.22 | 68.99 | 69.05 | 71.97 | 76.05 | 80.36 | 87.08 | 94.07 | 102.32 | 103.02 | 120.46 | 131.64 | 144.36 | 159.13 | 174.27 | 190.61 |        |
| 630           | 63.55       | 65.99 | 70.56 | 70.62 | 72.99 | 77.77 | 82.25 | 89.06 | 95.16 | 104.28 | 105.04 | 122.50 | 133.53 | 147.29 | 162.53 | 177.88 | 190.61 | 200.24 |

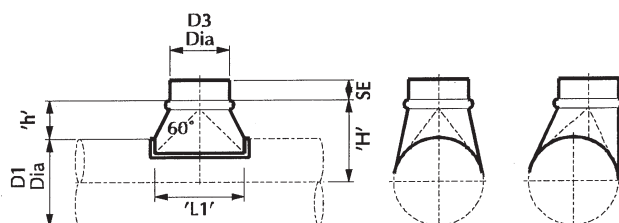
**Dimension 'L'**

| 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           | 50.51       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 125           | 51.44       | 53.83 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 150           | 53.04       | 54.99 | 59.59  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 160           | 53.04       | 55.51 | 59.59  | 58.63  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 180           | 56.44       | 55.78 | 63.30  | 63.41  | 69.26  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 200           | 58.55       | 60.84 | 65.54  | 65.63  | 70.54  | 73.75  |        |        |        |        |        |        |        |        |        |        |        |        |
| 224           | 60.50       | 62.87 | 67.78  | 67.87  | 71.90  | 76.18  | 80.85  |        |        |        |        |        |        |        |        |        |        |        |
| 250           | 62.92       | 65.08 | 70.25  | 70.37  | 74.49  | 78.86  | 85.18  | 92.68  |        |        |        |        |        |        |        |        |        |        |
| 280           | 67.21       | 69.59 | 74.72  | 74.88  | 80.44  | 84.90  | 90.79  | 97.52  | 105.39 |        |        |        |        |        |        |        |        |        |
| 300           | 68.63       | 71.17 | 76.54  | 76.62  | 80.41  | 85.26  | 92.68  | 99.80  | 109.86 | 119.40 |        |        |        |        |        |        |        |        |
| 315           | 68.63       | 71.17 | 76.54  | 76.62  | 80.41  | 85.26  | 92.68  | 99.80  | 109.86 | 119.40 | 120.58 |        |        |        |        |        |        |        |
| 355           | 71.60       | 74.14 | 79.88  | 79.88  | 83.70  | 88.68  | 94.48  | 103.39 | 111.54 | 123.54 | 124.58 | 144.58 |        |        |        |        |        |        |
| 400           | 76.27       | 79.01 | 84.63  | 84.78  | 88.86  | 93.85  | 99.58  | 108.87 | 117.31 | 129.57 | 130.50 | 150.97 | 165.85 |        |        |        |        |        |
| 450           | 79.63       | 82.59 | 88.45  | 89.00  | 92.58  | 97.89  | 104.09 | 113.40 | 121.53 | 133.99 | 135.07 | 156.88 | 172.04 | 189.46 |        |        |        |        |
| 500           | 83.70       | 86.86 | 92.68  | 92.97  | 97.08  | 99.31  | 108.99 | 118.13 | 126.58 | 139.22 | 140.36 | 163.07 | 179.24 | 196.29 | 215.69 |        |        |        |
| 560           | 87.26       | 90.56 | 96.98  | 97.08  | 101.49 | 106.90 | 113.10 | 122.84 | 131.40 | 144.81 | 145.89 | 169.76 | 185.50 | 203.30 | 224.58 | 241.47 |        |        |
| 600           | 89.98       | 93.12 | 100.04 | 100.12 | 104.35 | 110.27 | 116.53 | 126.26 | 136.40 | 148.36 | 149.37 | 174.67 | 190.88 | 209.32 | 230.74 | 252.69 | 276.39 |        |
| 630           | 92.15       | 95.68 | 102.32 | 102.40 | 105.83 | 112.77 | 119.26 | 129.13 | 137.99 | 151.21 | 152.31 | 177.62 | 193.61 | 213.58 | 235.67 | 257.93 | 276.39 | 290.34 |

## ► Conical Saddles



**Equal**

**Code  
CES**

**Flatback**

**Code  
CFBS**

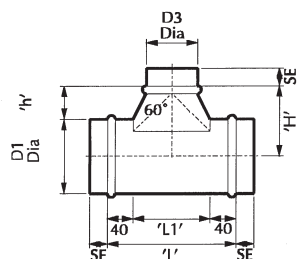
### ▼ Prices

| Diameter 'D1' | Diameter D3 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|               | 100         | 125   | 150   | 160   | 180   | 200   | 224   | 250   | 280   | 300   | 315   | 355   | 400   | 450   | 500   | 560   | 600   |
| 100           | 16.11       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 125           | 16.11       | 16.70 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 150           | 16.11       | 16.70 | 17.26 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 160           | 16.11       | 16.70 | 17.26 | 17.50 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 180           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 |       |       |       |       |       |       |       |       |       |       |       |       |
| 200           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 |       |       |       |       |       |       |       |       |       |       |       |
| 224           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 |       |       |       |       |       |       |       |       |       |       |
| 250           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 |       |       |       |       |       |       |       |       |       |
| 280           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 |       |       |       |       |       |       |       |       |
| 300           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 |       |       |       |       |       |       |       |
| 315           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 |       |       |       |       |       |       |
| 355           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 | 37.55 |       |       |       |       |       |
| 400           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 | 37.55 | 42.98 |       |       |       |       |
| 450           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 | 37.55 | 42.98 | 50.45 |       |       |       |
| 500           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 | 37.55 | 42.98 | 50.45 | 55.41 |       |       |
| 560           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 | 37.55 | 42.98 | 50.45 | 55.41 | 60.90 |       |
| 600           | 16.11       | 16.70 | 17.26 | 17.50 | 17.95 | 19.56 | 21.61 | 23.53 | 25.56 | 28.46 | 34.63 | 37.55 | 42.98 | 50.45 | 55.41 | 60.90 | 81.49 |

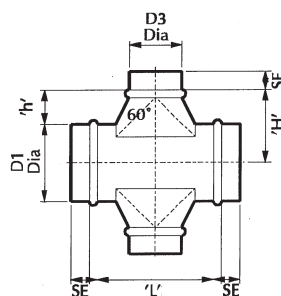
|          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dim 'h'  | 75  | 75  | 75  | 75  | 75  | 75  | 110 | 110 | 110 | 110 | 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 |



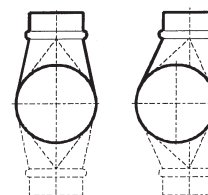
## ► Conical Tees / Crosses



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



**Crosses**



**Tees**

**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           | 31.97       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 125           | 34.52       | 35.28 |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 150           | 36.71       | 36.71 | 41.87 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 160           | 36.71       | 37.82 | 42.98 | 43.42 |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 180           | 38.38       | 39.32 | 44.07 | 44.40 | 46.32 |       |       |       |       |       |        |        |        |        |        |        |        |
| 200           | 40.86       | 40.38 | 45.38 | 48.35 | 46.32 | 49.05 |       |       |       |       |        |        |        |        |        |        |        |
| 224           | 44.07       | 42.98 | 47.74 | 49.59 | 49.93 | 51.39 | 55.27 |       |       |       |        |        |        |        |        |        |        |
| 250           | 44.80       | 44.99 | 49.59 | 52.18 | 51.83 | 52.88 | 57.28 | 62.45 |       |       |        |        |        |        |        |        |        |
| 280           | 48.42       | 46.93 | 52.52 | 55.09 | 55.09 | 55.46 | 59.85 | 62.45 | 70.32 |       |        |        |        |        |        |        |        |
| 300           | 49.59       | 49.74 | 54.34 | 55.09 | 56.55 | 57.17 | 62.45 | 66.83 | 74.15 | 72.11 |        |        |        |        |        |        |        |
| 315           | 51.39       | 50.69 | 55.89 | 55.09 | 58.03 | 58.75 | 63.37 | 68.46 | 74.75 | 72.44 | 78.45  |        |        |        |        |        |        |
| 355           | 55.09       | 53.77 | 59.58 | 56.91 | 60.59 | 61.70 | 66.83 | 71.96 | 78.94 | 75.33 | 81.39  | 84.97  |        |        |        |        |        |
| 400           | 58.75       | 57.67 | 63.14 | 64.29 | 64.29 | 64.29 | 69.78 | 75.65 | 80.80 | 80.09 | 86.28  | 89.95  | 97.51  |        |        |        |        |
| 450           | 63.54       | 61.70 | 64.29 | 64.29 | 64.29 | 67.93 | 74.52 | 79.32 | 84.46 | 86.83 | 93.21  | 96.92  | 104.55 | 111.26 |        |        |        |
| 500           | 67.93       | 69.24 | 69.78 | 71.62 | 69.78 | 71.62 | 78.02 | 83.72 | 90.31 | 91.74 | 98.27  | 102.09 | 109.83 | 111.33 | 123.12 |        |        |
| 560           | 67.93       | 67.93 | 69.78 | 71.62 | 69.78 | 71.62 | 80.80 | 86.28 | 93.62 | 93.25 | 99.94  | 103.85 | 111.69 | 118.67 | 125.22 | 132.58 |        |
| 600           | 67.93       | 67.93 | 72.65 | 71.62 | 69.78 | 71.62 | 80.80 | 86.28 | 93.62 | 94.24 | 101.06 | 105.04 | 112.96 | 120.00 | 126.63 | 133.88 | 139.94 |

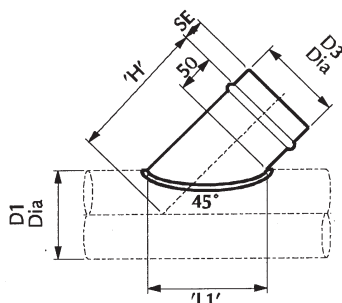
**Dimension 'H' & 'L'**

|     | Diameter D3 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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           | 46.36       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 125           | 50.06       | 51.16  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 150           | 53.22       | 53.22  | 60.71  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 160           | 53.22       | 54.84  | 62.32  | 62.96  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 180           | 55.65       | 57.02  | 63.89  | 64.38  | 67.17  |        |        |        |        |        |        |        |        |        |        |        |        |
| 200           | 59.25       | 58.55  | 65.80  | 70.10  | 67.17  | 71.12  |        |        |        |        |        |        |        |        |        |        |        |
| 224           | 63.89       | 62.32  | 69.22  | 71.90  | 72.40  | 74.52  | 80.14  |        |        |        |        |        |        |        |        |        |        |
| 250           | 64.96       | 65.23  | 71.90  | 75.66  | 75.15  | 76.67  | 86.50  | 90.55  |        |        |        |        |        |        |        |        |        |
| 280           | 70.21       | 68.05  | 76.15  | 79.88  | 79.88  | 80.42  | 86.78  | 90.55  | 101.97 |        |        |        |        |        |        |        |        |
| 300           | 71.90       | 71.50  | 78.79  | 79.88  | 82.00  | 82.89  | 90.55  | 96.90  | 107.53 | 104.56 |        |        |        |        |        |        |        |
| 315           | 74.52       | 73.51  | 81.04  | 79.88  | 84.15  | 85.19  | 91.89  | 99.27  | 108.39 | 105.04 | 113.76 |        |        |        |        |        |        |
| 355           | 79.88       | 77.97  | 86.39  | 82.52  | 87.86  | 89.46  | 96.90  | 104.34 | 114.46 | 109.23 | 118.07 | 123.21 |        |        |        |        |        |
| 400           | 85.19       | 83.63  | 91.55  | 93.22  | 93.22  | 93.22  | 101.19 | 109.69 | 117.16 | 116.13 | 125.11 | 130.43 | 141.39 |        |        |        |        |
| 450           | 92.13       | 89.46  | 93.22  | 93.22  | 93.22  | 98.50  | 108.05 | 115.01 | 122.46 | 125.90 | 135.15 | 140.54 | 151.59 | 161.33 |        |        |        |
| 500           | 98.50       | 100.40 | 101.19 | 103.86 | 101.19 | 103.86 | 113.13 | 121.39 | 130.95 | 133.02 | 142.49 | 148.03 | 159.25 | 161.43 | 178.53 |        |        |
| 560           | 98.50       | 98.50  | 101.19 | 103.86 | 101.19 | 103.86 | 117.16 | 125.11 | 135.75 | 135.22 | 144.91 | 150.58 | 161.94 | 172.07 | 181.57 | 192.25 |        |
| 600           | 98.50       | 98.50  | 105.34 | 103.86 | 101.19 | 103.86 | 117.16 | 125.11 | 135.75 | 136.65 | 146.54 | 152.31 | 163.79 | 174.01 | 183.61 | 194.13 | 202.92 |

## ► 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           | 14.13       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 125           | 14.13       | 14.57 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 150           | 14.13       | 14.57 | 16.40 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 160           | 14.13       | 14.57 | 16.40 | 16.62 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 180           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 200           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 |       |       |       |       |       |       |       |       |       |       |       |       |
| 224           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 |       |       |       |       |       |       |       |       |       |       |       |
| 250           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 |       |       |       |       |       |       |       |       |       |       |
| 280           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 |       |       |       |       |       |       |       |       |       |
| 300           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 |       |       |       |       |       |       |       |       |
| 315           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 |       |       |       |       |       |       |       |
| 355           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 |       |       |       |       |       |       |
| 400           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 | 39.40 |       |       |       |       |       |
| 450           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 | 39.40 | 44.51 |       |       |       |       |
| 500           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 | 39.40 | 44.51 | 49.90 |       |       |       |
| 560           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 | 39.40 | 44.51 | 49.90 | 56.17 |       |       |
| 600           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 | 39.40 | 44.51 | 49.90 | 56.17 | 61.43 |       |
| 630           | 14.13       | 14.57 | 16.40 | 16.62 | 17.11 | 18.91 | 20.91 | 23.00 | 26.60 | 29.93 | 30.53 | 36.05 | 39.40 | 44.51 | 49.90 | 56.17 | 61.43 | 66.15 |

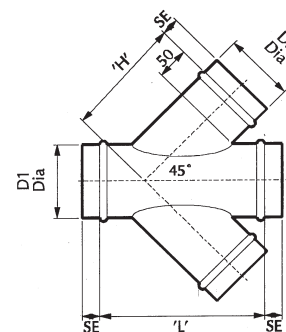
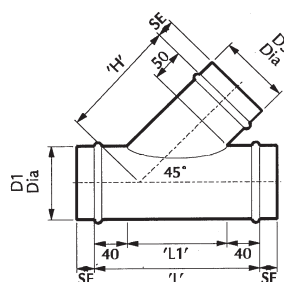
### ▼ Dimension 'H'

| 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' & 'L1'  
as 45° Branch



▼  
**Prices for Tee (TBR)**

**TEE Code TBR**

**Cross Code TBRX**

| Diameter 'D1' | Diameter D3 |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
|               | 100         | 125   | 150   | 160   | 180   | 200   | 224   | 250   | 280   | 300   | 315   | 355    | 400    | 450    | 500    | 560    | 600    | 630    |
| 100           | 34.49       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 125           | 34.79       | 35.36 |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 150           | 36.05       | 35.73 | 38.17 |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 160           | 36.17       | 36.81 | 39.27 | 39.55 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 180           | 36.46       | 37.08 | 39.55 | 39.91 | 40.43 |       |       |       |       |       |       |        |        |        |        |        |        |        |
| 200           | 37.61       | 38.28 | 40.80 | 41.11 | 41.72 | 44.25 |       |       |       |       |       |        |        |        |        |        |        |        |
| 224           | 39.96       | 40.65 | 43.25 | 43.55 | 44.19 | 46.76 | 49.44 |       |       |       |       |        |        |        |        |        |        |        |
| 250           | 41.96       | 42.72 | 45.29 | 45.64 | 46.35 | 48.90 | 51.64 | 51.64 |       |       |       |        |        |        |        |        |        |        |
| 280           | 43.29       | 44.07 | 46.75 | 47.07 | 47.81 | 50.38 | 53.16 | 56.07 | 61.03 |       |       |        |        |        |        |        |        |        |
| 300           | 45.40       | 46.17 | 48.90 | 49.28 | 49.97 | 52.62 | 55.43 | 58.34 | 63.38 | 67.61 |       |        |        |        |        |        |        |        |
| 315           | 47.45       | 48.23 | 50.97 | 51.34 | 52.08 | 54.72 | 57.52 | 60.52 | 65.57 | 70.21 | 70.97 |        |        |        |        |        |        |        |
| 355           | 47.99       | 48.86 | 51.64 | 52.03 | 52.84 | 55.51 | 58.36 | 61.40 | 66.55 | 71.24 | 71.97 | 79.65  |        |        |        |        |        |        |
| 400           | 52.24       | 53.16 | 56.05 | 56.42 | 57.27 | 60.03 | 63.00 | 66.08 | 71.30 | 76.05 | 76.85 | 84.59  | 89.18  |        |        |        |        |        |
| 450           | 56.58       | 57.60 | 60.50 | 60.93 | 61.81 | 64.70 | 67.67 | 70.87 | 76.13 | 80.93 | 81.78 | 89.69  | 94.39  | 101.43 |        |        |        |        |
| 500           | 59.06       | 60.18 | 63.14 | 63.63 | 64.63 | 67.48 | 70.56 | 73.77 | 79.17 | 84.05 | 84.90 | 92.94  | 97.76  | 104.91 | 112.34 |        |        |        |
| 560           | 61.71       | 62.87 | 65.95 | 66.48 | 67.56 | 70.47 | 73.62 | 76.96 | 82.40 | 87.40 | 88.34 | 96.49  | 101.46 | 108.76 | 116.38 | 124.97 |        |        |
| 600           | 64.07       | 65.37 | 68.46 | 68.99 | 70.06 | 73.04 | 76.26 | 79.67 | 85.22 | 90.30 | 91.18 | 99.38  | 104.54 | 112.00 | 119.68 | 128.46 | 136.05 |        |
| 630           | 66.30       | 67.59 | 70.79 | 71.30 | 72.44 | 75.45 | 78.73 | 82.18 | 87.83 | 92.81 | 93.78 | 103.80 | 107.28 | 114.82 | 122.60 | 131.49 | 139.16 | 145.26 |

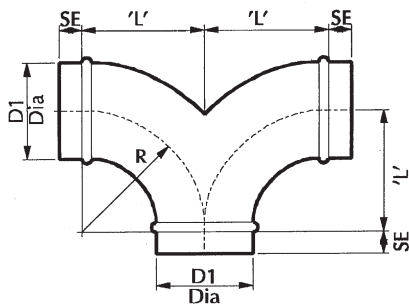
▼  
**Dimension 'H' & 'L'**

|     | Diameter D3 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 |

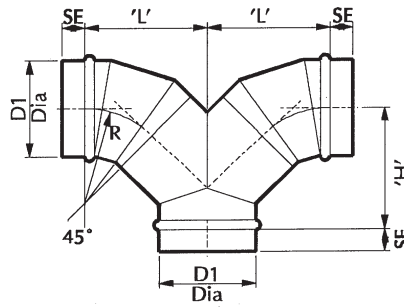
▼  
**Prices for Crosses (TBRX)**

| Diameter 'D1' | Diameter D3 |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------|-------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|               | 100         | 125   | 150    | 160    | 180    | 200    | 224    | 250    | 280    | 300    | 315    | 355    | 400    | 450    | 500    | 560    | 600    | 630    |
| 100           | 50.47       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 125           | 50.44       | 51.28 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 150           | 52.28       | 51.81 | 55.35  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 160           | 52.44       | 53.37 | 56.95  | 57.35  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 180           | 52.87       | 53.76 | 57.35  | 57.87  | 58.63  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 200           | 54.53       | 55.51 | 59.17  | 59.62  | 59.98  | 64.17  |        |        |        |        |        |        |        |        |        |        |        |        |
| 224           | 57.95       | 58.95 | 62.71  | 63.15  | 64.08  | 67.80  | 71.69  |        |        |        |        |        |        |        |        |        |        |        |
| 250           | 60.85       | 61.95 | 65.67  | 66.18  | 67.21  | 70.90  | 74.88  | 74.88  |        |        |        |        |        |        |        |        |        |        |
| 280           | 62.77       | 63.89 | 67.78  | 68.25  | 69.32  | 73.05  | 77.08  | 81.31  | 88.49  |        |        |        |        |        |        |        |        |        |
| 300           | 65.84       | 66.95 | 70.90  | 71.45  | 72.45  | 76.30  | 80.37  | 84.59  | 91.90  | 98.04  |        |        |        |        |        |        |        |        |
| 315           | 68.80       | 69.93 | 73.90  | 74.44  | 75.75  | 79.34  | 83.41  | 87.76  | 95.08  | 101.80 | 102.90 |        |        |        |        |        |        |        |
| 355           | 69.59       | 70.85 | 74.88  | 75.44  | 76.62  | 80.49  | 84.63  | 89.03  | 96.50  | 103.30 | 104.35 | 115.49 |        |        |        |        |        |        |
| 400           | 75.75       | 77.08 | 81.27  | 81.81  | 83.04  | 87.04  | 91.34  | 95.82  | 103.39 | 110.27 | 111.44 | 122.66 | 129.32 |        |        |        |        |        |
| 450           | 82.04       | 83.52 | 87.72  | 88.34  | 89.63  | 93.82  | 98.12  | 102.76 | 110.39 | 117.35 | 118.58 | 130.05 | 136.87 | 147.07 |        |        |        |        |
| 500           | 85.64       | 87.26 | 91.55  | 92.26  | 93.71  | 97.85  | 102.32 | 106.97 | 114.79 | 121.88 | 123.11 | 134.77 | 141.75 | 152.12 | 162.90 |        |        |        |
| 560           | 89.48       | 91.16 | 95.63  | 96.39  | 97.97  | 102.19 | 106.75 | 111.58 | 119.47 | 126.73 | 128.10 | 139.91 | 147.12 | 157.70 | 168.75 | 181.21 |        |        |
| 600           | 92.90       | 94.78 | 99.27  | 100.04 | 101.58 | 105.90 | 110.57 | 115.53 | 123.57 | 130.93 | 132.22 | 144.11 | 151.58 | 162.40 | 173.54 | 186.27 | 197.27 |        |
| 630           | 96.13       | 98.00 | 102.65 | 103.39 | 105.04 | 109.40 | 114.16 | 119.16 | 127.35 | 134.57 | 135.99 | 150.51 | 155.56 | 166.49 | 177.77 | 190.66 | 201.78 | 210.62 |

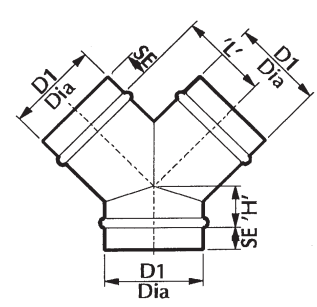
## ► Twin Bends



**Pressed Twin Bend** Code **TBP**



**Fabricated Twin Bend** Code **TBF**



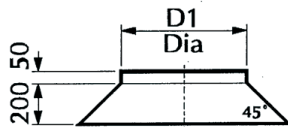
**Fabricated 'Y' 45°** Code **Y45**

| Diameter<br>'D1' | Dimensions |     | Prices |
|------------------|------------|-----|--------|
|                  | 'R'        | 'L' |        |
| 80               | 100        | 100 | 46.06  |
| 100              | 100        | 100 | 46.06  |
| 125              | 125        | 125 | 49.91  |
| 150              | 150        | 150 | 57.58  |
| 160              | 160        | 160 | 59.50  |
| 180              | 180        | 180 | 76.77  |
| 200              | 200        | 200 | 80.62  |
| 224              | 224        | 224 | 94.05  |
| 250              | 250        | 250 | 94.05  |

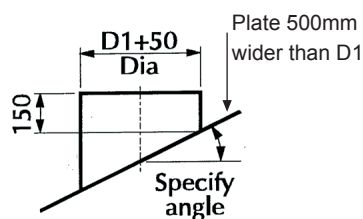
| Diameter<br>'D1' | Dimensions |      |      | Prices  |
|------------------|------------|------|------|---------|
|                  | 'R'        | 'L'  | 'H'  |         |
| 280              | 280        | 325  | 292  | 119.12  |
| 300              | 300        | 346  | 309  | 119.12  |
| 315              | 315        | 361  | 321  | 122.25  |
| 355              | 355        | 405  | 356  | 141.05  |
| 400              | 400        | 453  | 395  | 172.40  |
| 450              | 450        | 505  | 437  | 203.73  |
| 500              | 500        | 558  | 480  | 219.41  |
| 560              | 560        | 622  | 531  | 282.10  |
| 600              | 600        | 664  | 565  | 297.77  |
| 630              | 630        | 690  | 584  | 313.44  |
| 710              | 710        | 781  | 659  | 407.47  |
| 800              | 800        | 848  | 708  | 595.54  |
| 900              | 900        | 983  | 821  | 783.60  |
| 1000             | 1000       | 1089 | 906  | 948.50  |
| 1118             | 1118       | 1216 | 1009 | 1210.15 |
| 1250             | 1250       | 1354 | 1120 | 1430.92 |

| Diameter<br>'D1' | Dimensions |     | Prices |
|------------------|------------|-----|--------|
|                  | 'L'        | 'H' |        |
| 280              | 180        | 83  | 73.46  |
| 300              | 190        | 87  | 74.08  |
| 315              | 197        | 90  | 74.62  |
| 355              | 217        | 98  | 94.86  |
| 400              | 240        | 108 | 101.10 |
| 450              | 265        | 118 | 117.58 |
| 500              | 290        | 129 | 133.79 |
| 560              | 320        | 141 | 153.82 |
| 600              | 340        | 149 | 172.88 |
| 630              | 355        | 155 | 189.54 |
| 710              | 395        | 172 | 252.99 |
| 800              | 440        | 191 | 359.05 |
| 900              | 490        | 211 | 502.17 |
| 1000             | 540        | 232 | 624.91 |
| 1118             | 600        | 257 | 899.22 |
| 1250             | 665        | 284 | 945.73 |

## ► Weatherings / Cravats



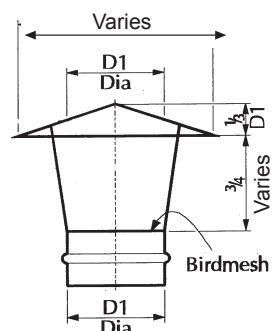
**Cravat**  
Code **CR**



**Roof Plate**  
Code **RP**

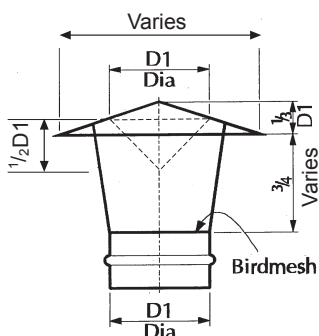
| Diameter<br>'D1' | CR<br>Prices | RP<br>Prices |
|------------------|--------------|--------------|
| 100              | 30.22        | 37.82        |
| 125              | 30.35        | 48.97        |
| 150              | 32.10        | 59.10        |
| 160              | 32.17        | 59.92        |
| 180              | 32.27        | 64.08        |
| 200              | 34.71        | 69.82        |
| 224              | 43.75        | 72.31        |
| 250              | 47.37        | 79.65        |
| 280              | 51.84        | 83.29        |
| 300              | 56.44        | 89.06        |
| 315              | 60.93        | 96.15        |
| 355              | 65.19        | 96.99        |
| 400              | 79.02        | 107.59       |
| 450              | 90.23        | 119.46       |
| 500              | 104.62       | 127.94       |
| 560              | 106.56       | 147.10       |
| 600              | 107.86       | 161.71       |
| 630              | 121.60       | 177.85       |
| 710              | 140.15       | 206.40       |
| 800              | 169.17       | 229.06       |
| 900              | 192.35       | 263.52       |
| 1000             | 194.37       | 274.98       |

## ► Terminals



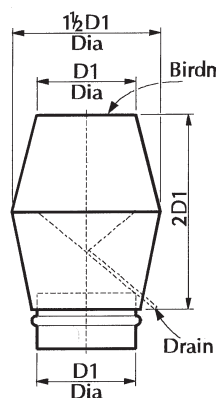
**Rain Cowl  
without inverter**

**Code  
RC**



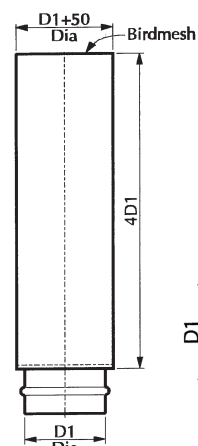
**Rain Cowl  
with inverter**

**Code  
RCI**



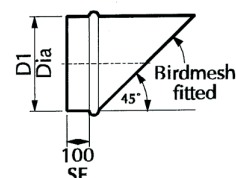
**Jet Cowl**

**Code  
JC**



**Vertical Cowl**

**Code  
VC**



**Side Discharge  
Terminal**

**Code  
SDT**

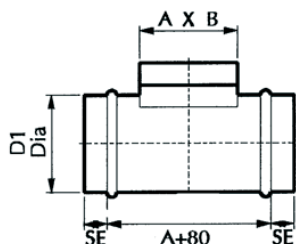
| Diameter 'D1' | RC     | RCI    | JC      | VC     | SDT    |
|---------------|--------|--------|---------|--------|--------|
| 100           | 26.43  | 34.35  | 208.17  | 116.08 | 29.30  |
| 125           | 27.70  | 36.02  | 210.68  | 116.08 | 30.10  |
| 150           | 33.18  | 43.14  | 211.11  | 116.08 | 32.87  |
| 160           | 33.86  | 44.01  | 212.75  | 118.99 | 33.34  |
| 180           | 35.36  | 45.98  | 215.07  | 121.90 | 37.92  |
| 200           | 39.55  | 51.42  | 223.56  | 124.80 | 42.56  |
| 224           | 44.25  | 57.52  | 226.93  | 130.61 | 43.90  |
| 250           | 48.14  | 62.58  | 231.79  | 133.50 | 45.51  |
| 280           | 55.28  | 71.86  | 275.08  | 136.41 | 47.60  |
| 300           | 57.67  | 74.98  | 284.42  | 145.11 | 49.07  |
| 315           | 59.56  | 77.43  | 298.06  | 150.91 | 50.26  |
| 355           | 66.24  | 86.11  | 335.50  | 179.93 | 62.84  |
| 400           | 76.92  | 100.00 | 295.00  | 203.15 | 67.11  |
| 450           | 87.95  | 114.33 | 465.78  | 217.67 | 81.59  |
| 500           | 97.27  | 126.44 | 545.36  | 232.19 | 87.55  |
| 560           | 111.00 | 144.30 | 629.18  | 261.21 | 95.40  |
| 600           | 125.22 | 162.79 | 644.52  | 275.72 | 110.30 |
| 630           | 132.37 | 172.07 | 897.59  | 319.24 | 133.14 |
| 710           | 166.07 | 215.89 | 918.79  | 348.27 | 155.48 |
| 800           | 211.54 | 275.01 | 979.00  | 493.38 | 179.81 |
| 900           | 249.00 | 323.70 | 1022.75 | 574.63 | 202.35 |
| 1000          | 322.54 | 419.30 | 1091.65 | 687.84 | 245.87 |

All terminals are supplied with male coupler fitted at base.

If alternative fixing to stack is required, please specify.

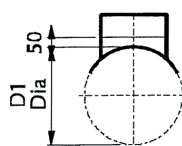
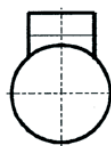


## ► Access Sections & Doors



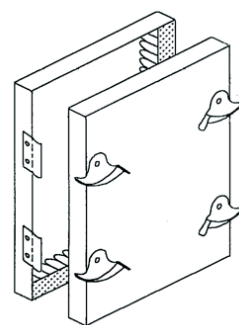
Access Section with door

**Code ASDR**



Saddle with door

**Code SDR**

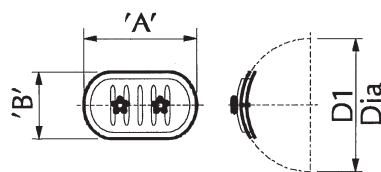


Door

**Code DR**

| Diameter 'D1' | Door Size 'A' x 'B' | ASDR Prices | SDR Prices |
|---------------|---------------------|-------------|------------|
| 80            | 300 x 150           | 37.62       | 34.66      |
| 100           | 300 x 150           | 37.90       | 34.66      |
| 125           | 300 x 150           | 38.23       | 34.66      |
| 150           | 300 x 150           | 38.56       | 34.66      |
| 160           | 300 x 150           | 38.69       | 34.66      |
| 180           | 300 x 150           | 39.68       | 34.66      |
| 200           | 300 x 200           | 40.62       | 34.96      |
| 224           | 300 x 200           | 42.32       | 34.96      |
| 250           | 300 x 200           | 42.67       | 34.96      |
| 280           | 300 x 200           | 44.47       | 34.96      |
| 300           | 300 x 200           | 44.72       | 34.96      |
| 315           | 300 x 200           | 44.91       | 34.96      |
| 355           | 300 x 300           | 46.35       | 38.78      |
| 400           | 300 x 300           | 50.50       | 38.78      |
| 450           | 300 x 300           | 53.25       | 38.78      |
| 500           | 300 x 300           | 55.28       | 38.78      |
| 560           | 300 x 300           | 56.07       | 38.78      |
| 600           | 450 x 450           | 68.47       | 45.33      |
| 630           | 450 x 450           | 70.31       | 45.33      |
| 710           | 450 x 450           | 71.53       | 45.33      |
| 800           | 450 x 450           | 83.34       | 45.33      |
| 900           | 450 x 450           | 85.24       | 45.33      |
| 1000          | 450 x 450           | 90.62       | 45.33      |
| 1118          | 600 x 400           | 122.68      | 56.60      |
| 1250          | 600 x 400           | 127.94      | 56.60      |

| Diameter 'D1' | Prices |
|---------------|--------|
| 100X100       | 8.93   |
| 150X100       | 8.93   |
| 150X150       | 9.02   |
| 200X100       | 9.93   |
| 200X150       | 10.35  |
| 200X200       | 10.76  |
| 250X250       | 12.45  |
| 300X150       | 12.71  |
| 300X200       | 12.94  |
| 300X300       | 13.77  |
| 350x350       | 15.81  |
| 400X200       | 15.09  |
| 400X400       | 16.99  |
| 450X300       | 17.58  |
| 450X450       | 17.85  |
| 500X200       | 24.08  |
| 500X400       | 21.55  |
| 500X500       | 25.16  |
| 600X250       | 34.98  |
| 600X400       | 25.16  |
| 600X600       | 28.58  |



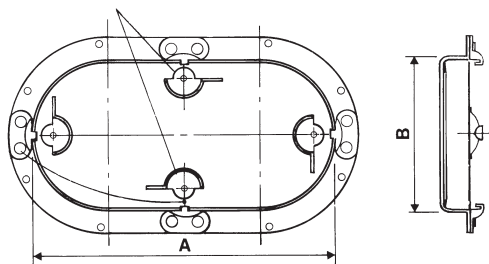
Circular Access Door

**Code ADC**

| Code     | Door Size 'A' x 'B' | Duct Dia                                                                                      | Prices |
|----------|---------------------|-----------------------------------------------------------------------------------------------|--------|
| ADC - 18 | 180 X 80            | 100, 125, 150, 160                                                                            | 8.03   |
| ADC - 25 | 250 x 150           | 180, 200, 224, 250, 280, 300, 315, 355, 400, 450, 500, 560, 600, 610, 630                     | 9.44   |
| ADC - 40 | 400 x 300           | 400, 450, 500, 560, 600, 610, 630, 660, 710, 762, 800, 864, 900, 1000, 1118, 1250, 1422, 1524 | 18.44  |

N.B. Please specify duct diameter when ordering.

## ► Pressed Access Door & Saddles

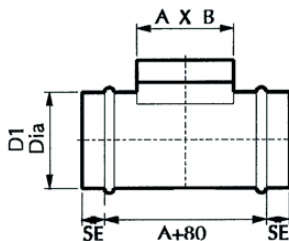


**Pressed Access Door**

**Code CC20**

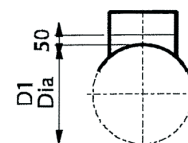
| Code | Size 'A' x 'B' | Price        |
|------|----------------|--------------|
| CC00 | 200 x 125      | <b>15.19</b> |
| CC10 | 300 x 150      | <b>17.00</b> |
| CC20 | 450 x 250      | <b>23.70</b> |
| CC30 | 550 x 350      | <b>27.65</b> |
| CC40 | 650 x 450      | <b>31.60</b> |

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



**Access Section with Door**

**Code CASDR**

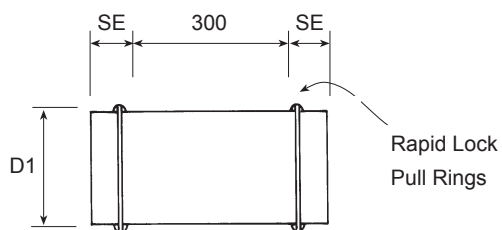


**Saddle with Door**

**Code CSDR**

| Diameter 'D1' | Door Size 'A' x 'B' | CASDR Prices  | CSDR Prices  |
|---------------|---------------------|---------------|--------------|
| 80            | 200 x 125           | <b>43.78</b>  | <b>35.21</b> |
| 100           | 200 x 125           | <b>43.96</b>  | <b>35.21</b> |
| 125           | 200 x 125           | <b>44.22</b>  | <b>35.21</b> |
| 150           | 300 x 150           | <b>46.41</b>  | <b>36.92</b> |
| 160           | 300 x 150           | <b>46.41</b>  | <b>36.92</b> |
| 180           | 300 x 150           | <b>47.55</b>  | <b>35.77</b> |
| 200           | 300 x 150           | <b>47.85</b>  | <b>36.92</b> |
| 224           | 300 x 150           | <b>49.74</b>  | <b>36.92</b> |
| 250           | 460 x 250           | <b>58.42</b>  | <b>44.90</b> |
| 280           | 460 x 250           | <b>60.44</b>  | <b>44.90</b> |
| 300           | 460 x 250           | <b>60.73</b>  | <b>44.90</b> |
| 315           | 460 x 250           | <b>60.93</b>  | <b>44.90</b> |
| 355           | 460 x 250           | <b>62.28</b>  | <b>44.90</b> |
| 400           | 530 x 360           | <b>75.54</b>  | <b>55.26</b> |
| 450           | 530 x 360           | <b>78.75</b>  | <b>55.26</b> |
| 500           | 635 x 360           | <b>81.13</b>  | <b>55.26</b> |
| 560           | 635 x 430           | <b>101.55</b> | <b>75.52</b> |
| 600           | 635 x 430           | <b>107.90</b> | <b>75.52</b> |
| 630           | 635 x 430           | <b>110.06</b> | <b>75.52</b> |
| 710           | 635 x 430           | <b>111.44</b> | <b>75.52</b> |
| 800           | 635 x 430           | <b>124.86</b> | <b>75.52</b> |
| 900           | 635 x 430           | <b>127.01</b> | <b>75.52</b> |
| 1000          | 635 x 430           | <b>133.22</b> | <b>75.52</b> |
| 1118          | 635 x 430           | <b>159.55</b> | <b>78.69</b> |
| 1250          | 635 x 430           | <b>164.59</b> | <b>78.69</b> |

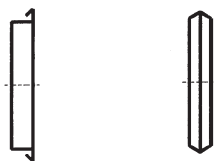
## ► Removable Section



**Code RS**

| Code | Diameter 'D1' | Price        |
|------|---------------|--------------|
| RS10 | 100           | <b>26.77</b> |
| RS12 | 125           | <b>27.78</b> |
| RS15 | 150           | <b>29.85</b> |
| RS16 | 160           | <b>31.25</b> |
| RS18 | 180           | <b>31.75</b> |
| RS20 | 200           | <b>32.89</b> |
| RS22 | 220           | <b>34.30</b> |
| RS25 | 250           | <b>35.59</b> |
| RS30 | 300           | <b>45.23</b> |

## ► Joint Flanges



**Flange Ring**

Code  
**FR**

**Flange Clip**

Code  
**FRC**

### **Fitted Joint\***

(Code FIR - This is labour cost only)

**Consists of:-**

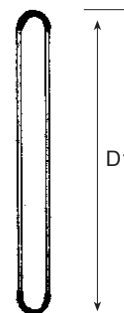
**2 x Flange rings**

**1 x Flange clip**

**2 x Flange fitting cost**

| Diameter<br>Ø | Prices (each) |       |        |
|---------------|---------------|-------|--------|
|               | FR            | FRC   | FIR*   |
| 80            |               |       |        |
| 100           |               |       |        |
| 125           |               |       |        |
| 150           |               |       |        |
| 160           |               |       |        |
| 180           |               |       |        |
| 200           |               |       |        |
| 224           |               |       |        |
| 250           |               |       |        |
| 280           | 4.93          | 4.26  | 18.14  |
| 300           | 5.07          | 4.40  | 18.92  |
| 315           | 5.07          | 4.40  | 19.25  |
| 355           | 5.31          | 4.55  | 19.87  |
| 400           | 5.75          | 4.93  | 21.12  |
| 450           | 7.09          | 6.08  | 26.31  |
| 500           | 9.11          | 7.78  | 32.04  |
| 560           | 9.11          | 8.72  | 37.89  |
| 600           | 10.95         | 9.39  | 38.01  |
| 630           | 10.95         | 9.39  | 38.71  |
| 710           | 12.03         | 10.30 | 43.79  |
| 800           | 13.33         | 11.44 | 52.90  |
| 900           | 15.57         | 13.40 | 63.37  |
| 1000          | 22.90         | 19.66 | 85.65  |
| 1118          | 26.30         | 22.55 | 95.32  |
| 1250          | 28.16         | 24.15 | 100.64 |
| 1422          | 31.00         | 26.53 | 115.46 |
| 1524          | 35.73         | 30.63 | 129.01 |

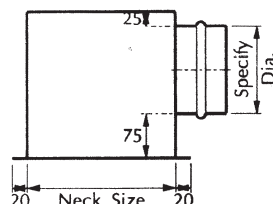
## ► Rapid Lock Rings



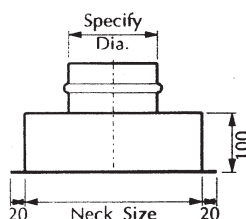
Code  
**RPC**

| Code     | Diameter<br>'D1' | Price |
|----------|------------------|-------|
| RPC 0100 | 100              | 6.95  |
| RPC 0125 | 125              | 7.44  |
| RPC 0150 | 150              | 8.04  |
| RPC 0160 | 160              | 8.43  |
| RPC 0180 | 180              | 8.85  |
| RPC 0200 | 200              | 9.31  |
| RPC 0224 | 224              | 9.76  |
| RPC 0250 | 250              | 10.24 |
| RPC 0300 | 300              | 11.64 |

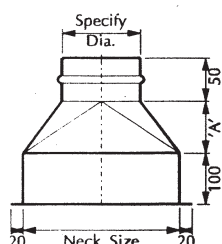
## ► Grille Boxes



**Side Entry**  
Code **GBSE**



**Top Entry**  
Code **GBTE**



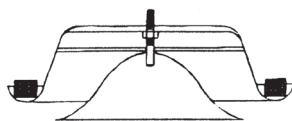
**Square-Round**  
Code **GBSQR**

| Neck Size<br>(mm) | Dim<br>'A' | Prices    |           |            |
|-------------------|------------|-----------|-----------|------------|
|                   |            | Type GBSE | Type GBTE | Type GBSQR |
| 100 x 100         | 100        | 16.02     | 14.71     | 33.40      |
| 150 x 100         | 100        | 17.22     | 14.88     | 33.56      |
| 200 x 100         | 100        | 17.41     | 15.05     | 33.73      |
| 250 x 100         | 100        | 18.60     | 15.21     | 33.88      |
| 300 x 100         | 100        | 18.80     | 15.39     | 34.04      |
| 150 x 150         | 100        | 19.41     | 16.28     | 33.73      |
| 200 x 150         | 100        | 19.62     | 16.49     | 33.88      |
| 250 x 150         | 100        | 20.83     | 16.69     | 34.04      |
| 300 x 150         | 100        | 20.10     | 16.88     | 34.19      |
| 200 x 200         | 100        | 21.83     | 16.71     | 34.04      |
| 250 x 200         | 100        | 22.06     | 16.93     | 34.19      |
| 300 x 200         | 100        | 22.31     | 17.14     | 34.35      |
| 350 x 200         | 150        | 23.18     | 18.85     | 34.87      |
| 400 x 200         | 175        | 25.76     | 19.21     | 35.27      |
| 450 x 200         | 200        | 26.44     | 19.57     | 35.67      |
| 500 x 200         | 100        | 25.25     | 19.25     | 43.17      |
| 225 x 225         | 100        | 24.01     | 18.17     | 34.19      |
| 250 x 250         | 100        | 24.30     | 18.37     | 34.35      |
| 300 x 250         | 100        | 24.55     | 18.63     | 34.52      |
| 400 x 250         | 100        | 25.08     | 19.12     | 34.86      |
| 500 x 250         | 175        | 26.76     | 20.03     | 44.03      |
| 300 x 300         | 150        | 25.51     | 19.17     | 35.06      |
| 400 x 300         | 200        | 27.85     | 19.95     | 35.88      |
| 500 x 300         | 200        | 28.54     | 20.50     | 44.48      |
| 600 x 300         | 300        | 31.02     | 21.56     | 46.05      |
| 350 x 350         | 150        | 28.09     | 19.72     | 35.45      |
| 400 x 400         | 200        | 29.59     | 20.59     | 48.55      |
| 450 x 450         | 200        | 31.35     | 22.44     | 48.99      |
| 600 x 600         | 300        | 37.10     | 25.20     | 51.76      |

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 **£1.41** p/pair, 0.6 & 0.8 sheet metal.

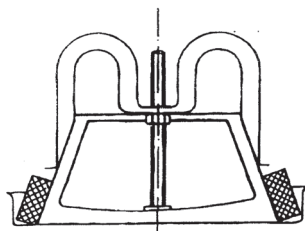
## ► Air Valves



**Supply air Valve**

**Code SAV**

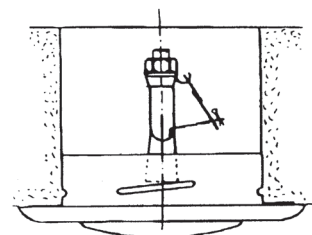
| Diameter | Prices |
|----------|--------|
| 100      | 5.69   |
| 125      | 6.53   |
| 150      | 7.69   |
| 160      | 8.38   |
| 200      | 10.67  |



**Extract air Valve**

**Code EAV**

| Diameter | Prices |
|----------|--------|
| 100      | 6.53   |
| 125      | 7.44   |
| 150      | 7.69   |
| 160      | 8.38   |
| 200      | 10.89  |



**Extract air Valve with fire damper**

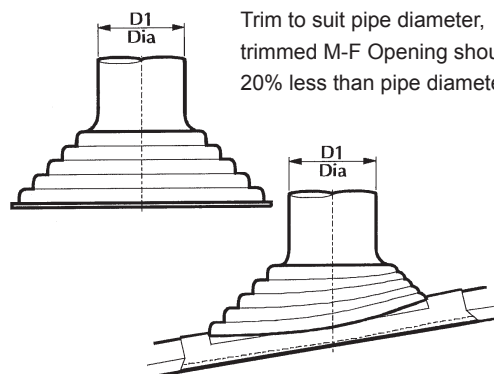
**Code EAVFD**

| Diameter | Prices |
|----------|--------|
| 100      | 15.87  |
| 125      | 17.94  |

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       | 9.78   | 14.65    | 5.16       |
| MFW - 4 | 75 - 152      | 12.64  | 18.24    | 5.16       |
| MFW - 5 | 102 - 178     | 14.14  | 21.39    | 5.16       |
| MFW - 6 | 127 - 228     | 16.47  | 24.75    | 5.16       |
| MFW - 7 | 152 - 280     | 33.12  | 49.86    | 5.16       |
| MFW - 8 | 178 - 330     | 36.65  | 55.63    | 5.16       |
| MFW - 9 | 254 - 467     | 53.58  | 80.77    | 5.16       |
| MFW - M | 330 - 660     | 152.23 | 239.68   | 15.38      |



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...

HIGH TEMPERATURE RESISTANCE

tested to... intermittent

continuous

LOW TEMPERATURE RESISTANCE tested to...

TENSILE STRENGTH minimum...

COMPRESSION SET maximum...

**EPDM**

70 Hours @ 500 pphm

+135°C(+275°F)

+100°C(+212°F)

-55°C(-65°F)

10Mpa(1450 Psi)

25%

**Silicone**

70 Hours @ 500 pphm

+260°C(+500°F)

+225°C(+437°F)

-74°C(-100°F)

5Mpa(700 Psi)

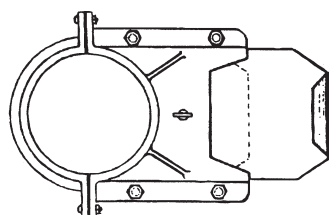
50%

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

## ► Blast Gate Damper

**Blast Gate Damper**

Code **BGD**



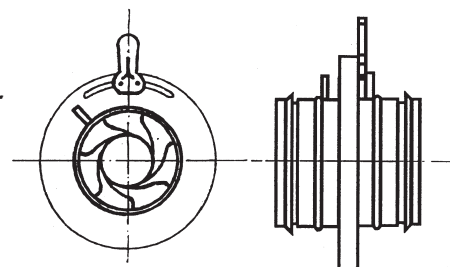
| Diameter | Code    | Prices |
|----------|---------|--------|
| 63       | BGD 063 | 12.01  |
| 80       | BGD 080 | 12.01  |
| 100      | BGD 100 | 17.64  |
| 125      | BGD 125 | 19.71  |
| 150      | BGD 150 | 26.02  |
| 160      | BGD 160 | 36.98  |
| 180      | BGD 180 | 36.98  |
| 200      | BGD 200 | 43.84  |
| 224      | BGD 224 | 67.36  |
| 250      | BGD 250 | 79.32  |
| 280      | BGD 280 | 103.98 |
| 300      | BGD 300 | 120.00 |
| 355      | BGD 355 | 259.25 |

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

## ► Iris Dampers

**Iris Damper**

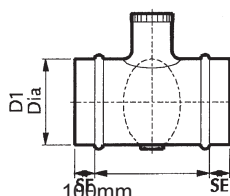
Code **ID**



| 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



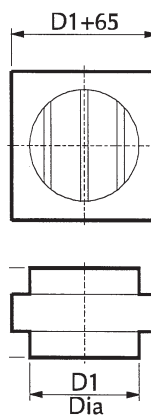
**Single Blade Balancing**

Code **DPB0080**

| Diameter 'D1' | Prices DPB |
|---------------|------------|
| 80            | 13.54      |
| 100           | 13.54      |
| 125           | 13.89      |
| 150           | 15.88      |
| 160           | 15.88      |
| 180           | 16.63      |
| 200           | 16.63      |
| 224           | 19.70      |
| 250           | 19.70      |
| 280           | 22.06      |
| 300           | 22.06      |
| 315           | 23.15      |
| 355           | 29.07      |
| 400           | 30.53      |
| 450           | 40.42      |
| 500           | 91.64      |
| 560           | 91.64      |
| 600           | 103.87     |
| 630           | 103.87     |

## ► Opposed Blade Damper

| Diameter 'D1' | Dim 'L' | Prices DOB |
|---------------|---------|------------|
| 100           | 70      | 35.34      |
| 125           | 70      | 38.39      |
| 150           | 70      | 41.42      |
| 160           | 70      | 42.67      |
| 180           | 70      | 43.93      |
| 200           | 70      | 45.65      |
| 224           | 70      | 47.86      |
| 250           | 70      | 50.12      |
| 280           | 70      | 53.87      |
| 300           | 70      | 56.89      |
| 315           | 70      | 59.25      |
| 355           | 70      | 64.00      |
| 400           | 70      | 69.06      |
| 450           | 70      | 75.46      |
| 500           | 70      | 89.21      |
| 560           | 70      | 89.21      |
| 610           | 70      | 100.91     |
| 630           | 70      | 100.91     |
| 710           | 70      | 113.77     |
| 800           | 70      | 131.6      |
| 900           | 70      | 218.33     |
| 1000          | 70      | 232.59     |

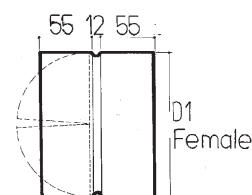


Code **DOB**  
**Multi-Blade**  
**Volume**  
**Control**  
**Dampers**

Standard Construction

Galvanised casings, Aluminium blades, manual control

## ► Back Draught Damper

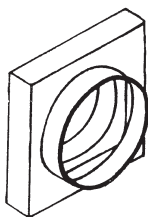


**Backdraft**

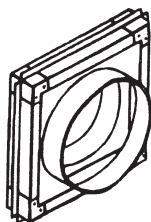
Code **BD**

| Diameter 'D1' | Prices BD |
|---------------|-----------|
| 80            |           |
| 100           | 3.88      |
| 125           | 4.59      |
| 150           | 5.77      |
| 160           | 6.03      |
| 180           |           |
| 200           | 7.81      |
| 224           |           |
| 250           | 12.63     |
| 280           |           |
| 300           |           |
| 315           | 16.09     |
| 355           | 25.28     |

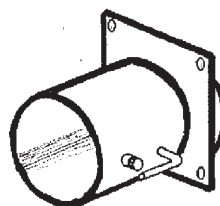
## ► Circular Fire Dampers



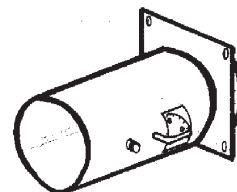
**Plain**  
Code **FDCG**



**With Holding Frame**  
Code **FDCGF**



**MFD Resettable F/Damper**  
Code **FDA**



**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 | Code FDA | Code FDVCD |
| 100      | 35.18                    | 48.92      | 35.79    | 43.91      |
| 125      | 35.94                    | 55.14      | 36.60    | 45.43      |
| 150      | 36.67                    | 55.85      | 38.53    | 48.09      |
| 160      | 37.21                    | 56.4       | 38.53    | 51.49      |
| 180      | 37.61                    | 56.88      |          |            |
| 200      | 38.07                    | 57.18      | 40.40    | 57.84      |
| 225      | 38.86                    | 58.54      |          |            |
| 250      | 39.56                    | 60.64      | 46.80    | 67.77      |
| 280      | 40.45                    | 61.85      |          |            |
| 300      | 41.29                    | 64.37      | 63.12    | 76.47      |
| 315      | 42.67                    | 65.1       | 63.12    | 81.77      |
| 355      | 45.74                    | 65.83      |          |            |
| 400      | 46.85                    | 71.86      | 65.95    |            |
| 450      | 49.94                    | 76.82      |          |            |
| 500      | 58.36                    | 89.12      |          |            |
| 560      | 65.08                    | 95.82      |          |            |
| 600      | 74.91                    | 107.56     |          |            |
| 630      | 76.95                    | 111.4      |          |            |
| 710      | 90.16                    | 126.57     |          |            |

|                      | Price |
|----------------------|-------|
| Fusible Links:- 72°C | 8.09  |
| 95°C                 | 11.76 |
| 124°C                | 11.76 |
| 145°C                | 11.76 |
| 182°C                | 11.76 |

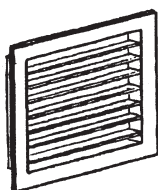
|                                         | Code | Price  |
|-----------------------------------------|------|--------|
| Microswitch, Single Pole                | MSP  | 34.73  |
| Microswitch, Double Pole                | MDP  | 81.62  |
| Visual Indicator                        | VI   | 7.35   |
| Solenoid Valve (State Voltage)          | SV   | 169.05 |
| Electromagnetic Release (State Voltage) | ER   | 169.05 |

**Stainless Steel Blades available upon request**

**Rectangular Fire Dampers available upon request**

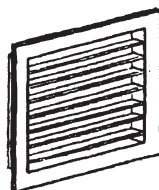


## ► Grilles



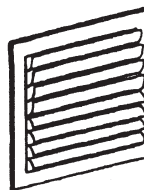
**Double Deflection  
Supply Grille**

Code **DDG**



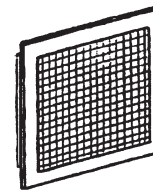
**Single Deflection  
Supply Grille**

Code **SDG**



**'Eyelash' 2/4 Way  
Supply Grille**

Code **ELG2/4**



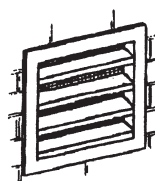
**'Egg-crate'  
Extract Grille**

Code **ECG**

| Duct<br>Size | Prices                                     |                                                      |                                            |                                                      |                                         |                                                   |                                         |                                                   |                                            |                                                      |
|--------------|--------------------------------------------|------------------------------------------------------|--------------------------------------------|------------------------------------------------------|-----------------------------------------|---------------------------------------------------|-----------------------------------------|---------------------------------------------------|--------------------------------------------|------------------------------------------------------|
|              | Code DDG<br>Double<br>Deflection<br>Grille | Code DDGD<br>Double<br>Deflection<br>Grille & Damper | Code SDG<br>Single<br>Deflection<br>Grille | Code SDGD<br>Single<br>Deflection<br>Grille & Damper | Code ELG2<br>2 Way<br>Eyelash<br>Grille | Code ELGD2<br>2 Way<br>Eyelash<br>Grille & Damper | Code ELG4<br>4 Way<br>Eyelash<br>Grille | Code ELGD4<br>4 Way<br>Eyelash<br>Grille & Damper | Code ECG<br>Egg-crate<br>Extract<br>Grille | Code ECGD<br>Egg-crate<br>Extract<br>Grille & Damper |
| 100 x 100    | 6.88                                       | 11.36                                                | 6.19                                       | 10.09                                                | 6.77                                    | 9.86                                              | 6.77                                    | 9.86                                              | 6.42                                       | 10.90                                                |
| 150 x 100    | 6.88                                       | 11.36                                                | 6.19                                       | 10.09                                                | 6.77                                    | 9.86                                              | 6.77                                    | 9.86                                              | 6.42                                       | 10.90                                                |
| 200 x 100    | 8.14                                       | 13.19                                                | 6.55                                       | 10.09                                                | 7.46                                    | 10.09                                             | 7.46                                    | 10.09                                             | 7.34                                       | 11.82                                                |
| 250 x 100    | 8.72                                       | 14.57                                                | 6.88                                       | 11.47                                                | 7.92                                    | 12.96                                             | 7.92                                    | 12.96                                             | 7.57                                       | 13.19                                                |
| 300 x 100    | 9.86                                       | 16.40                                                | 7.57                                       | 14.22                                                | 8.60                                    | 13.88                                             | 8.60                                    | 13.88                                             | 7.92                                       | 14.57                                                |
| 150 x 150    | 8.03                                       | 12.84                                                | 6.42                                       | 10.90                                                | 7.57                                    | 9.98                                              | 7.57                                    | 9.98                                              | 7.57                                       | 11.92                                                |
| 200 x 150    | 8.72                                       | 14.34                                                | 6.88                                       | 11.59                                                | 7.80                                    | 11.36                                             | 7.80                                    | 11.36                                             | 8.26                                       | 12.96                                                |
| 250 x 150    | 10.90                                      | 16.74                                                | 7.92                                       | 13.42                                                | 8.94                                    | 13.30                                             | 8.94                                    | 13.30                                             | 9.29                                       | 14.80                                                |
| 300 x 150    | 11.59                                      | 18.57                                                | 8.48                                       | 15.26                                                | 9.52                                    | 15.14                                             | 9.52                                    | 15.14                                             | 10.21                                      | 16.17                                                |
| 200 x 200    | 9.76                                       | 16.29                                                | 8.26                                       | 14.11                                                | 9.29                                    | 13.65                                             | 9.29                                    | 13.65                                             | 9.29                                       | 15.03                                                |
| 250 x 200    | 11.36                                      | 18.46                                                | 8.60                                       | 15.19                                                | 9.75                                    | 14.45                                             | 9.75                                    | 14.45                                             | 10.32                                      | 16.51                                                |
| 300 x 200    | 13.49                                      | 20.87                                                | 9.17                                       | 17.66                                                | 10.21                                   | 16.75                                             | 10.21                                   | 16.75                                             | 11.47                                      | 18.24                                                |
| 350 x 200    | 14.34                                      | 23.92                                                | 9.86                                       | 18.00                                                | 11.01                                   | 18.47                                             | 11.01                                   | 18.47                                             | 12.73                                      | 20.18                                                |
| 400 x 200    | 15.82                                      | 25.80                                                | 11.01                                      | 19.72                                                | 12.73                                   | 20.53                                             | 12.73                                   | 20.53                                             | 13.88                                      | 22.82                                                |
| 450 x 200    | 17.54                                      | 27.55                                                | 11.82                                      | 22.59                                                | 14.22                                   | 24.08                                             | 14.22                                   | 24.08                                             | 14.80                                      | 25.12                                                |
| 500 x 200    | 22.25                                      | 34.16                                                | 15.36                                      | 26.83                                                | 18.90                                   | 29.47                                             | 18.90                                   | 29.47                                             | 16.05                                      | 27.06                                                |
| 225 x 225    | 12.73                                      | 20.18                                                | 9.29                                       | 16.29                                                | 11.24                                   | 17.20                                             | 11.24                                   | 17.20                                             | 11.47                                      | 18.47                                                |
| 250 x 250    | 12.73                                      | 20.18                                                | 9.29                                       | 16.29                                                | 11.24                                   | 17.20                                             | 11.24                                   | 17.20                                             | 11.47                                      | 18.47                                                |
| 300 x 250    | 14.90                                      | 23.92                                                | 10.21                                      | 18.12                                                | 11.47                                   | 19.26                                             | 11.47                                   | 19.26                                             | 12.96                                      | 20.18                                                |
| 400 x 250    | 17.66                                      | 29.12                                                | 12.73                                      | 22.36                                                | 14.45                                   | 25.12                                             | 14.45                                   | 25.12                                             | 15.82                                      | 30.39                                                |
| 500 x 250    | 24.66                                      | 38.65                                                | 16.28                                      | 30.73                                                | 19.72                                   | 32.22                                             | 19.72                                   | 32.22                                             | 18.57                                      | 22.47                                                |
| 300 x 300    | 16.06                                      | 25.12                                                | 11.59                                      | 20.18                                                | 13.19                                   | 21.10                                             | 13.19                                   | 21.10                                             | 14.57                                      | 22.47                                                |
| 400 x 300    | 20.30                                      | 31.53                                                | 13.42                                      | 24.53                                                | 15.59                                   | 26.26                                             | 15.59                                   | 26.26                                             | 17.20                                      | 27.75                                                |
| 500 x 300    | 27.98                                      | 42.88                                                | 19.15                                      | 34.06                                                | 21.68                                   | 35.32                                             | 21.68                                   | 35.32                                             | 20.18                                      | 33.25                                                |
| 600 x 300    | 32.69                                      | 49.88                                                | 24.66                                      | 40.02                                                | 29.58                                   | 42.88                                             | 29.58                                   | 42.88                                             | 24.54                                      | 39.79                                                |
| 350 x 350    | 19.95                                      | 31.53                                                | 13.53                                      | 22.59                                                | 15.59                                   | 25.80                                             | 15.59                                   | 25.80                                             | 17.55                                      | 27.41                                                |
| 400 x 400    | 24.43                                      | 37.38                                                | 17.20                                      | 30.05                                                | 19.26                                   | 31.42                                             | 19.26                                   | 31.42                                             | 20.87                                      | 32.30                                                |
| 450 x 450    | 28.10                                      | 40.71                                                | 21.79                                      | 37.38                                                | 24.54                                   | 39.44                                             | 24.54                                   | 39.44                                             | 24.20                                      | 38.30                                                |
| 600 x 600    | 56.99                                      | 91.16                                                | 37.38                                      | 70.06                                                | 43.00                                   | 72.47                                             | 43.00                                   | 72.47                                             | 36.69                                      | 67.56                                                |

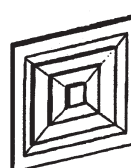
All grilles are supplied aluminium anodised satin finish. RAL & B.S. colours can be supplied at extra cost.

## ► Diffusers & Louvres



**Weather Louvre** Code **WL**

| Opening Size (mm) | Price |
|-------------------|-------|
| 150 x 150         | 11.00 |
| 200 x 200         | 15.63 |
| 250 x 250         | 19.11 |
| 300 x 300         | 27.78 |
| 350 x 350         | 32.41 |
| 400 x 400         | 41.33 |
| 450 x 450         | 44.00 |



**Ceiling Diffuser with damper** Code **CD**

| Neck Size (mm) | Price |
|----------------|-------|
| 150 x 150      | 30.87 |
| 225 x 225      | 32.84 |
| 300 x 300      | 42.62 |
| 375 x 375      | 55.36 |
| 450 x 450      | 63.26 |

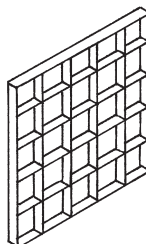
Overall grille size +150mm on neck size  
Powder coated at additional cost.

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

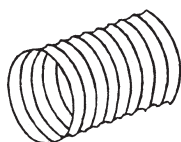
## ► White PVC Egg Crate Core

(To fit inside Ceiling Tile)

| Code     | Size       | Price        |
|----------|------------|--------------|
| ECC 1195 | 1195 x 595 | <b>16.37</b> |
| ECC 595  | 595 x 595  | <b>9.62</b>  |



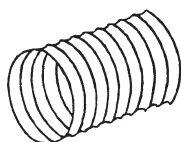
## ► Flexible Ductwork



**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

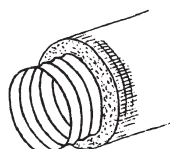
| Size  | 80    | 100   | 125   | 150   | 160   | 180   | 200   | 224   | 250   | 280   | 300   | 315   | 355   | 400   | 450   | 500   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price | 16.44 | 17.55 | 22.19 | 26.15 | 27.86 | 32.83 | 36.10 | 40.23 | 44.32 | 49.71 | 53.63 | 56.39 | 70.13 | 78.73 | 86.97 | 95.19 |



**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

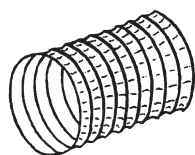
| Size  | 100   | 125   | 150   | 160   | 180   | 200   | 225   | 250   | 280   | 300   | 315   | 350   | 400   | 450   | 500   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price | 12.25 | 15.32 | 18.03 | 20.77 | 23.07 | 25.37 | 27.66 | 32.27 | 36.58 | 38.39 | 43.89 | 49.96 | 57.82 | 65.84 | 81.92 |



**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   | 160   | 180   | 200   | 225   | 250   | 280   | 300   | 315   | 350    | 400    | 450    | 500    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Price | 34.63 | 36.86 | 43.89 | 47.65 | 52.27 | 56.84 | 65.30 | 69.12 | 80.45 | 84.50 | 95.09 | 103.16 | 117.80 | 131.67 | 139.32 |



**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   | 225   | 250   | 280   | 300   | 315   | 350   | 400   | 450   | 500   | 558   | 600   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Price | 13.75 | 13.75 | 17.55 | 19.78 | 20.27 | 26.27 | 26.27 | 34.52 | 34.50 | 41.20 | 41.20 | 45.08 | 53.09 | 53.09 | 65.88 | 75.41 | 83.64 | 90.62 |

### Lightning Band Code LB

| Price / 30 metres | 24.74 |
|-------------------|-------|
|-------------------|-------|

### Housing & Screws Code HSS

| Price / 100 | 26.98 |
|-------------|-------|
|-------------|-------|

### Handy Pack Code LBHP

| 10 metres banding & 25 Screws | 25.38 |
|-------------------------------|-------|
|-------------------------------|-------|

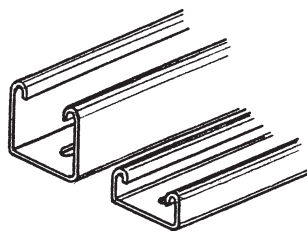


**Code QRC**

| Quick Release Clip |             |
|--------------------|-------------|
| Code QRC           |             |
| Size               | Price       |
| 60 - 145           | <b>0.71</b> |
| 60 - 175           | <b>0.77</b> |
| 60 - 215           | <b>0.85</b> |
| 60 - 288           | <b>1.01</b> |
| 60 - 320           | <b>1.25</b> |
| 60 - 370           | <b>1.58</b> |
| 60 - 420           | <b>1.76</b> |
| 60 - 540           | <b>2.01</b> |

## ► Channel

| Size               | Code      | Price |
|--------------------|-----------|-------|
| 40 x 20 x 16G x 3m | SC 4020-3 | 7.32  |
| 40 x 20 x 16G x 5m | SC 4020-5 | 12.19 |
| 40 x 40 x 16G x 3m | SC 4040-3 | 9.80  |
| 40 x 40 x 16G x 5m | SC 4040-5 | 16.20 |
| 41 x 21 x 2.5 x 3m | SC 4121-3 | 10.63 |
| 41 x 41 x 2.5 x 3m | SC 4141-3 | 13.97 |
| 41 x 41 x 2.5 x 6m | SC 4141-6 | 27.97 |
| 41 x 21 x 2.5 x 6m | SC 4121-6 | 24.40 |
| 41 x 41 x 2.5 x 6m | PC 4141-6 | 29.36 |
| 82 x 41 x 2.5 x 6m | BBC8241-6 | 66.98 |



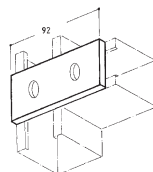
Code **SC** = Slotted (11mm slot)  
 Code **PC4141** = Plain  
 Code **BBC** = Back to Back

Manufactured from corrosion resistant galvanised steel.

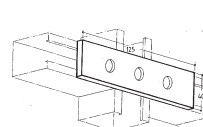
## ► Channel Brackets (all holes 14 dia)

| Code | Description                | Price |
|------|----------------------------|-------|
| W002 | 2 Hole Bracket             | 0.67  |
| W003 | 3 Hole Bracket             | 1.05  |
| W004 | 4 Hole Bracket             | 1.41  |
| W005 | 5 Hole Bracket             | 1.68  |
| W006 | L Bracket                  | 1.16  |
| W007 | Tee Bracket                | 1.94  |
| W010 | 90 Degree Bracket          | 0.88  |
| W013 | 90 Degree Bracket          | 0.97  |
| W020 | Welded Angle Bracket       | 3.54  |
| W022 | Obtuse Angle Bracket       | 1.27  |
| W024 | Acute Angle Bracket        | 0.81  |
| W026 | Shallow Z Bracket          | 1.61  |
| W027 | Single Z Bracket           | 1.93  |
| W028 | Double Z Bracket           | 2.55  |
| W029 | Half Channel Top Hat       | 1.55  |
| W030 | Single Channel Top Hat     | 1.05  |
| W049 | External Connector 40 x 40 | 2.91  |
| W050 | External Connector 40 x 20 | 2.24  |

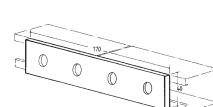
**2 Hole Bracket**  
Code **W002**



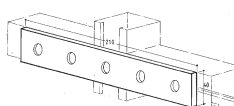
**3 Hole Bracket**  
Code **W003**



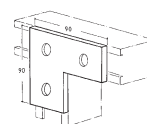
**4 Hole Bracket**  
Code **W004**



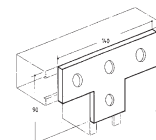
**5 Hole Bracket**  
Code **W005**



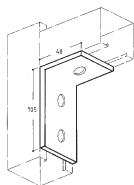
**L Bracket**  
Code **W006**



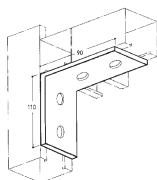
**Tee Bracket**  
Code **W007**



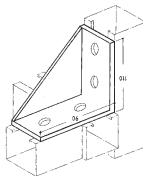
**90° Bracket**  
Code **W010**



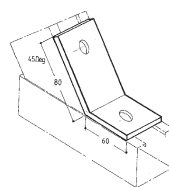
**90° Bracket**  
Code **W013**



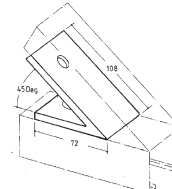
**Welded Angle Bracket**  
Code **W020**



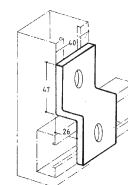
**Obtuse Angle Bracket**  
Code **W022**



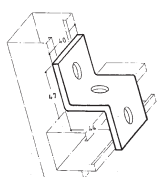
**Acute Angle Bracket**  
Code **W024**



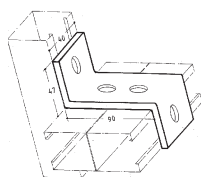
**Double Z Bracket**  
Code **W026**



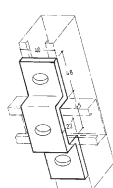
**Single Z Bracket**  
Code **W027**



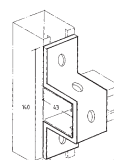
**Double Z Bracket**  
Code **W028**



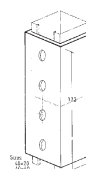
**Half Channel Top Hat**  
Code **W029**



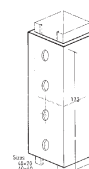
**Single Channel Top Hat**  
Code **W030**



**External Connector 40 x 40**  
Code **W049**



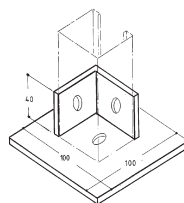
**External Connector 40 x 20**  
Code **W050**



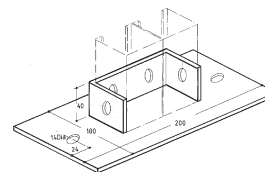
## ► Channel Brackets (all holes 14 dia)

| Code     | Description                    | Price       |
|----------|--------------------------------|-------------|
| BP       | Base Plate                     | <b>2.49</b> |
| DPB      | Double Base Plate              | <b>4.67</b> |
| SCSWM6   | M6 Channel Square Washer       | <b>0.11</b> |
| SCSWM8   | M8 Channel Square Washer       | <b>0.11</b> |
| SCSWM10  | M10 Channel Square Washer      | <b>0.11</b> |
| SCSWM12  | M12 Channel Square Washer      | <b>0.11</b> |
| ACM6     | Angle Cleat                    | <b>0.55</b> |
| ACM8     | Angle Cleat                    | <b>0.55</b> |
| ACM10    | Angle Cleat                    | <b>0.55</b> |
| ACM12    | Angle Cleat                    | <b>0.55</b> |
| SCWM8    | Channel Washer                 | <b>0.22</b> |
| SCWM10   | Channel Washer                 | <b>0.22</b> |
| SCEC40   | PVC End Caps 40 x 40           | <b>0.15</b> |
| SCEC20   | PVC End Caps 40 x 20           | <b>0.15</b> |
| SP       | Splice Plate 40 x 40           | <b>2.82</b> |
| SP20     | Splice Plate 40 x 20           | <b>2.82</b> |
| WP20     | Window Plate 40 x 40           | <b>1.80</b> |
| WP40     | Window Plate 40 x 20           | <b>1.75</b> |
| WP80     | Window Plate 80 x 40           | <b>2.48</b> |
| ALM12    | Angle Lindadptor 14mm Dia Hole | <b>0.88</b> |
| W031     | Double Channel Top Hat         | <b>2.12</b> |
| SCPNM6   | M6 Channel Nut                 | <b>0.17</b> |
| SCPNM8   | M8 Channel Nut                 | <b>0.19</b> |
| SCPNM10  | M10 Channel Nut                | <b>0.20</b> |
| SCPNM12  | M12 Channel Nut                | <b>0.27</b> |
| SCSNM6   | M6 Channel Spring Nut          | <b>0.26</b> |
| SCSNM8   | M8 Channel Spring Nut          | <b>0.28</b> |
| SCSNM10  | M10 Channel Spring Nut         | <b>0.32</b> |
| SCSNM12  | M12 Channel Spring Nut         | <b>0.38</b> |
| SCSNLM6  | M6 Channel Spring Nut          | <b>0.26</b> |
| SCSNLM8  | M8 Channel Spring Nut          | <b>0.28</b> |
| SCSNLM10 | M10 Channel Spring Nut         | <b>0.32</b> |
| SCSNLM12 | M12 Channel Spring Nut         | <b>0.38</b> |

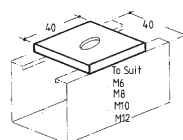
**Base Plate**  
Code **BP**



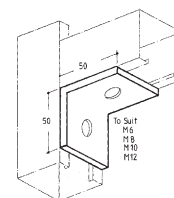
**Double Base Plate**  
Code **DPB**



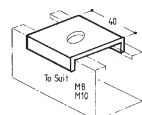
**Channel Square Washer**  
Code **SCSW**



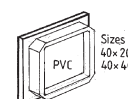
**Angle Cleat**  
Code **AC**



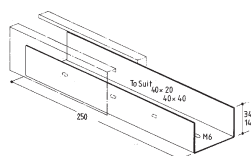
**Channel Washer**  
Code **SCW**



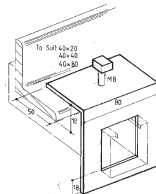
**PVC End Caps**  
Code **SCEC**



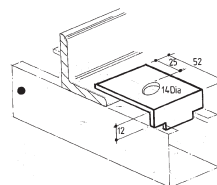
**Splice Plate**  
Code **SP**



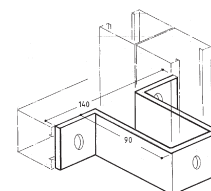
**Window Plate**  
Code **WP**



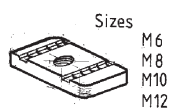
**Angle Lindadptor**  
Code **ALM12**



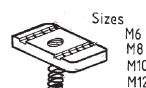
**Double Channel Top Hat**  
Code **W031**



**Channel Nut**  
Code **SCPN**



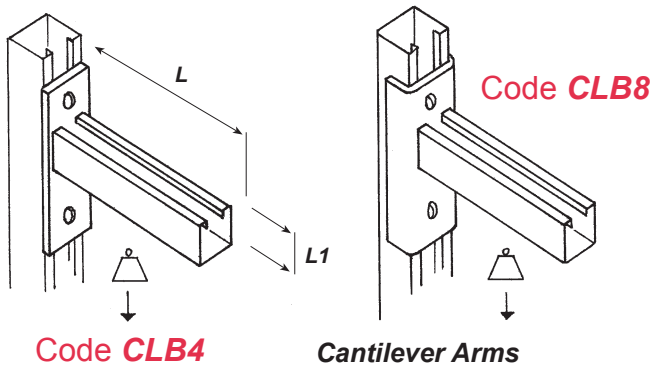
**Channel Spring Nut**  
Code **SCSN**



**Channel Spring Nut**  
Code **SCSNL**



## ► Duct Supports

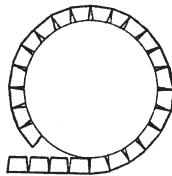


LOADS DESIGNED ON HEAVY DUTY CHANNEL

|              | L<br>mm | kg  | Price        |
|--------------|---------|-----|--------------|
| <b>CLB 4</b> | 600     | 122 | <b>13.35</b> |
| <b>CLB 8</b> | 600     | 155 | <b>15.39</b> |

### Crocodile Insulation Strip

**Code PFC**

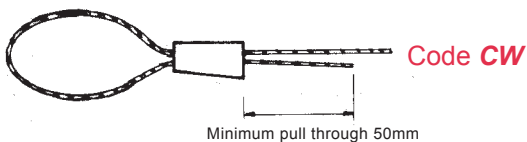


| Size                    | Length    | Code  | Price        |
|-------------------------|-----------|-------|--------------|
| 50w x 25d Phenolic 60kg | 36 metres | PFC 2 | <b>73.80</b> |
| 50w x 38d Phenolic 60kg | 30 metres | PFC 3 | <b>79.87</b> |
| 50 x 50 Phenolic 60kg   | 24 metres | PFC 5 | <b>82.91</b> |

### Phenolic Flat 60kg/m<sup>3</sup> Code PFS

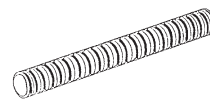
| Size      | Length    | Code  | Price        |
|-----------|-----------|-------|--------------|
| 50w x 25d | 36m (Box) | PFS 2 | <b>44.28</b> |
| 50w x 38d | 30m (Box) | PFS 3 | <b>49.49</b> |
| 50w x 50d | 24m (Box) | PFS 5 | <b>52.96</b> |

### Cablemate Wire Rope System



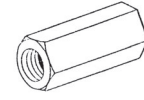
| Code | Description         | Load Rating | Price        | Code | Description        | Price        | Breaking Load Kg |
|------|---------------------|-------------|--------------|------|--------------------|--------------|------------------|
| C10  | No. 10 Clutchers    | 56kg        | <b>0.74</b>  | CW10 | No. 10 Wire x 150m | <b>17.64</b> | 375              |
| C20  | No. 20 Clutchers    | 113kg       | <b>0.88</b>  | CW20 | No. 20 Wire x 150m | <b>18.18</b> | 770              |
| C30  | No. 30 Clutchers    | 295kg       | <b>1.63</b>  | CW30 | No. 30 Wire x 150m | <b>51.12</b> | 1904             |
| C40  | No. 40 Clutchers    | 565kg       | <b>3.45</b>  | CW40 | No. 40 Wire x 150m | <b>67.12</b> | 3205             |
| CEZ  | EZ Lock Beam Clamps |             | <b>2.02</b>  |      |                    |              |                  |
| AT   | Adjustment Tool     |             | <b>18.52</b> |      |                    |              |                  |
| CWRC | Wire Rope Cutters   |             | <b>18.52</b> |      |                    |              |                  |
| WHM6 | Wire Hanger         |             | <b>8.00</b>  |      |                    |              |                  |

Grippe products are also available on request.



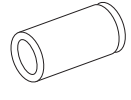
**Screwed Rod**

**Code ZPSR**



**Screwed Rod Connectors**

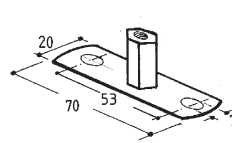
**Code SRC**



**PVC End Cap**

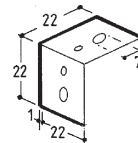
**Code SRPC**

| Code | Size           | M6          | M8          | M10         | M12          |
|------|----------------|-------------|-------------|-------------|--------------|
| ZPSR | Price (per 3m) | <b>1.26</b> | <b>1.76</b> | <b>2.39</b> | <b>3.36</b>  |
| SRC  | Price (each)   | <b>0.13</b> | <b>0.17</b> | <b>0.25</b> | <b>0.36</b>  |
| SRPC | Price / 100    | <b>6.00</b> | <b>8.82</b> | <b>9.40</b> | <b>10.35</b> |



**M8/M10 Fixed Back Plates**

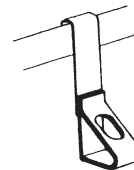
**Code FB**



**HCB1 Ceiling Bracket**

**Code CB**

| Code | Size            | Price       |
|------|-----------------|-------------|
| FB   | Price (each)    | <b>1.49</b> |
| CB   | Price (per 100) | <b>4.50</b> |



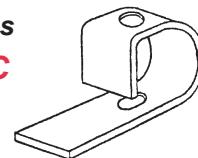
**Caddy Clips**

**Code CC**

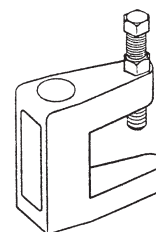
| Size | Code       | Flange Size  | Price per 100 |
|------|------------|--------------|---------------|
| M8   | <b>CC1</b> | <b>2-5mm</b> | <b>109.85</b> |
| M10  | <b>CC2</b> | <b>2-5mm</b> | <b>109.85</b> |
| M8   | <b>CC3</b> | <b>5-7mm</b> | <b>109.85</b> |
| M10  | <b>CC4</b> | <b>5-7mm</b> | <b>109.85</b> |

### Purlin Clips

**Code PC**



| Size         | M10 / M12   |
|--------------|-------------|
| Price (each) | <b>0.47</b> |



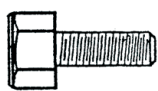
**Beam Clamps**

**Code BC**

| Size         | M8          | M10         | M12         |
|--------------|-------------|-------------|-------------|
| Price (each) | <b>1.17</b> | <b>1.21</b> | <b>1.50</b> |

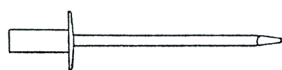


## ► Fixings

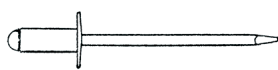


**Hexagon Head  
Set Pins**  
Code **ZPSP**

| Thread Length | Prices per 100 |       |       |       |
|---------------|----------------|-------|-------|-------|
|               | M6             | M8    | M10   | M12   |
| 20mm          | 3.07           | 4.75  | 9.72  | 13.46 |
| 25mm          | 3.38           | 5.22  | 9.98  | 13.79 |
| 30mm          | 3.81           | 5.50  | 8.53  | 14.66 |
| 40mm          | 5.27           | 6.53  | 11.71 | 16.19 |
| 50mm          | 6.58           | 8.06  | 13.43 | 19.07 |
| 60mm          |                | 11.13 | 16.19 | 26.59 |



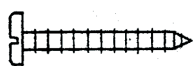
**Pop Rivets  
Fully Sealed**  
Code **SAPR**



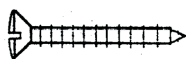
**Multifast**  
Code **MAPR**

| Price per 1000 |                 |       |
|----------------|-----------------|-------|
| Code           | Size            | Price |
| SAPR 13        | 1/8 x 3/8 long  | 26.29 |
| SAPR 11        | 1/8 x 1/2 long  | 22.69 |
| SAPR 53        | 5/32 x 3/8 long | 22.75 |
| SAPR 51        | 5/32 x 1/2      | 32.99 |
| SAPR 31        | 3/16 x 1/2      | 38.96 |
| SAPR 35        | 3/16 x 5/8      | 44.06 |

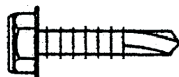
| Price per 1000 |            |       |
|----------------|------------|-------|
| Code           | Size       | Price |
| MAPR 13        | 1/8 x 3/8  | 11.27 |
| MAPR 11        | 1/8 x 1/2  | 11.27 |
| MAPR 51        | 5/32 x 1/2 | 13.86 |
| MAPR 31        | 3/16 x 1/2 | 14.67 |
| MAPR 35        | 3/16 x 5/8 | 18.66 |
| MAPR 36        | 3/16 x 1"  | 30.22 |



**Self Tapping Screws  
Pan Head**  
Code **STS**



**Countersunk**  
Code **STCS**



**Self Drilling  
Screws**  
Code **SDC**

| Prices per 1000 |          |       |
|-----------------|----------|-------|
| Code            | Size     | Price |
| STS 825         | 8 x 25   | 18.85 |
| STS 838         | 8 x 38   | 18.85 |
| STCS 820        | 8 x 20   | 11.65 |
| STCS 825        | 8 x 25   | 17.91 |
| STCS 838        | 8 x 38   | 19.47 |
| STCS 850        | 8 x 50   | 24.52 |
| SDC 423         | 4.2 x 13 | 23.38 |
| SDC 429         | 4.2 x 19 | 23.38 |
| SDC 489         | 4.8 x 19 | 28.18 |
| SDC 483         | 4.8 x 13 | 28.18 |

### Plastic Rawlplugs

| Code | Size      | Screw Size | Price/1000 |
|------|-----------|------------|------------|
| BRP  | 37mm long | 10 to 14   | 8.00       |
| RRP  | 32mm long | 6 to 10    | 5.50       |

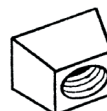
### Chuck Adaptor for Self Drilling Screws

| Code      | Size | Price each |
|-----------|------|------------|
| Chuck 4.2 | 4.2  | 6.17       |
| Chuck 4.8 | 4.8  | 6.17       |



**Hexagon Head  
Nuts**  
Code **ZPHN**

| Size          | M6   | M8   | M10  | M12  |
|---------------|------|------|------|------|
| Price per 100 | 0.67 | 1.53 | 4.38 | 4.83 |



**Wedge Nuts**  
Code **WN**

| Size          | M6    | M8    | M10   |
|---------------|-------|-------|-------|
| Price per 100 | 21.48 | 21.48 | 24.17 |



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



**Spring Washers**  
Code **ZPSW**



**Flat Washers**  
Code **ZPFW**

| Size | Prices per 100                      |      |      |      |
|------|-------------------------------------|------|------|------|
|      | M6                                  | M8   | M10  | M12  |
| PW   | 2.14                                | 2.56 | 2.75 | 4.16 |
| ZPSW | 0.30                                | 0.71 | 0.97 | 1.50 |
| ZPFW | 0.49                                | 0.99 | 1.33 | 2.75 |
| RW   | 3/16 x 3/4 Rivet Washers 14.82/1000 |      |      |      |



**Non-Drill Anchors**  
Code **NDA**

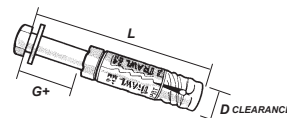
| Size          | M6    | M8    | M10   | M12   |
|---------------|-------|-------|-------|-------|
| Price per 100 | 10.74 | 13.13 | 19.14 | 38.82 |

### Non-Drill Anchor Setting Tool



Code **STM**

| Size | M6   | M8   | M10  | M12  |
|------|------|------|------|------|
| Each | 4.86 | 5.92 | 6.69 | 6.90 |



**Masonry Bolt  
With Shield**

Code  
**MBS**

| Code   | Size | L  | D  | G  | Price Each |
|--------|------|----|----|----|------------|
| MBS 8  | M8   | 60 | 14 | 10 | 0.91       |
| MBS 10 | M10  | 70 | 16 | 12 | 1.29       |
| MBS 12 | M12  | 80 | 20 | 8  | 2.60       |

**Coach Screws  
Hex Head**



Code  
**CS63**

| Part No | Size     | Price Per 10 |
|---------|----------|--------------|
| CS 63   | M6 x 30  | 1.08         |
| CS 64   | M6 x 40  | 1.24         |
| CS 82   | M8 x 25  | 1.82         |
| CS 84   | M8 x 40  | 2.00         |
| CS 85   | M8 x 50  | 2.04         |
| CS 102  | M10 x 25 | 2.20         |
| CS 104  | M10 x 40 | 2.70         |
| CS 105  | M10 x 50 | 2.90         |
| CS 107  | M10 x 75 | 3.77         |



## ► Ancillary Products

### ▼ Sealants

| Description                        | Code                         | Price       |
|------------------------------------|------------------------------|-------------|
| Zest seal D1523 FR. Hand Tube      | DMS 140                      | <b>1.87</b> |
| Zest seal D1523 FR. Guncartridge   | DMS 380                      | <b>2.15</b> |
| Tecseal 300 Silicone Gun Cartridge | DMSC (CLEAR)<br>DMSW (WHITE) | <b>3.18</b> |
| 1 litre Can                        | CS                           | <b>8.73</b> |
| Chauking Gun                       | CG                           | <b>4.29</b> |
| DMSI                               | Intumescent Sealer 310cc     | <b>4.26</b> |

### ▼ Flange Rubber

| Description                 | Code    | Price       |
|-----------------------------|---------|-------------|
| Sabre EPDM 15mm x 6mm x 10m | EPDM 15 | <b>1.46</b> |
| Sabre EPDM 19mm x 6mm x 10m | EPDM 19 | <b>1.79</b> |
| BUTYL 12mm x 3mm x 4m       | BL 12   | <b>0.82</b> |
| BUTYL 15mm x 4mm x 8m       | BL 15   | <b>2.26</b> |
| BUTYL 19mm x 3mm x 4m       | BL 19   | <b>1.07</b> |
| BUTYL 25mm x 3mm x 4m       | BL 25   | <b>1.46</b> |

### ▼ Rectangular Flange System

| DOBY FLANGE             |         |              |                          |                |
|-------------------------|---------|--------------|--------------------------|----------------|
| Size                    | Code    | Size/Gauge   | Price per 5m Length      | No. per Bundle |
| 20                      | DFL 120 | 0.8mm        | <b>8.40</b>              | <b>50</b>      |
| 30                      | DFL 130 | 1.0mm        | <b>10.74</b>             | <b>50</b>      |
| 40                      | DFL 140 | 1.25mm       | <b>19.24</b>             | <b>50</b>      |
| DOBY STIFFENERS         |         |              |                          |                |
| 20                      | DVS2    | 1.6mm        | <b>9.52</b>              | <b>50</b>      |
| 30                      | DVS3    | 1.6mm        | <b>14.56</b>             | <b>50</b>      |
| 40                      | DVS4    | 2.0mm        | <b>18.48</b>             | <b>50</b>      |
| DOBY CORNERS (FLANGE)   |         |              |                          |                |
| 20 Short                | DFC 20  | 3mm          | <b>40.94 / (200 Box)</b> |                |
| 20 Long                 | DFC 20L | 3mm          | <b>47.49 / (200 Box)</b> |                |
| 30                      | DFC 30  | 4mm          | <b>35.88 / (100 Box)</b> |                |
| 40                      | DFC 40  | 5mm          | <b>44.55 / (50 Box)</b>  |                |
| DOBY CORNERS STIFFENERS |         |              |                          |                |
| 20                      | DVS2C   | 1.6mm        | <b>44.80 / (200 Box)</b> |                |
| 30                      | DVS3C   | 1.6mm        | <b>67.20 / (200 Box)</b> |                |
| 40                      | DVS4C   | 2.0mm        | <b>44.80 / (100 Box)</b> |                |
| DOBY CLEATS/CLAMPS      |         |              |                          |                |
| 20/30                   | DDC     | Drive Cleat  | <b>25.20 / (200 Box)</b> |                |
| 40                      | DVC     | Clamps       | <b>85.41 / (200 Box)</b> |                |
| 40                      | CV      | Heavy Clamps | <b>51.18 / (100 Box)</b> |                |

| DUCTMATE FLANGE        |          |              |                           |                |
|------------------------|----------|--------------|---------------------------|----------------|
| Size                   | Code     | Size/Gauge   | Price per 5mm Length      | No. per Bundle |
| 25                     | DMF 25   | 0.7mm        | <b>9.24</b>               | <b>50</b>      |
| 35/3                   | DMF 35/3 | 0.8mm        | <b>11.85</b>              | <b>50</b>      |
| 35/4                   | DMF 35/4 | 1.00mm       | <b>14.17</b>              | <b>50</b>      |
| 45                     | DMF 45   | 1.20mm       | <b>18.13</b>              | <b>50</b>      |
| DUCTMATE CORNERS       |          |              |                           |                |
| 25                     | DMC 25   | 1.6mm        | <b>159.57 / (500 Box)</b> |                |
| 35                     | DMC 35   | 1.6mm        | <b>111.71 / (250 Box)</b> |                |
| 45                     | DMC 45   | 3mm          | <b>127.68 / (100 Box)</b> |                |
| DUCTMATE CLEATS/CLAMPS |          |              |                           |                |
| 25 & 30                | DMCL     | Metal Cleats | <b>39.89 / (250 Box)</b>  |                |
| 40                     | CDM      | Clamp        | <b>127.68 / (250 Box)</b> |                |

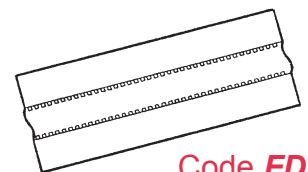
MEZZ FLANGE PRICED ON APPLICATION.

### ▼ Duct Tapes

| Description                   | Code   | Price        |
|-------------------------------|--------|--------------|
| Grey Cloth Tape 50 Wide x 33m | GCT    | <b>3.01</b>  |
| Grey PVC Tape 50 Wide x 33m   | GPVCT  | <b>1.97</b>  |
| Silver tape 50 Wide x 50m     | ST     | <b>4.17</b>  |
| Silver tape 100 Wide x 50m    | ST 100 | <b>10.19</b> |

### ▼ Supports Rubber

| Description                   | Code  | Price       |
|-------------------------------|-------|-------------|
| Polyethylene 25mm x 6mm x 10m | PR 25 | <b>1.41</b> |
| Polyethylene 40mm x 6mm x 10m | PR 40 | <b>2.32</b> |

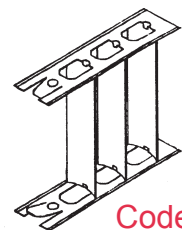


Code **FDCP**

### ▼ Flexible Connector

Code **FDCGF**

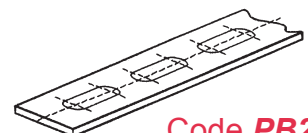
| Description            | Code       | Price        |
|------------------------|------------|--------------|
| Polyester Coated x 25m | FDC - P25  | <b>49.67</b> |
| Glass Fibre x 25m      | FDC - GF25 | <b>90.79</b> |



### ▼ Turning Vane & Track

Code **TVT**

| Description             | Code | Price       |
|-------------------------|------|-------------|
| Turning Vane x 3m       | TV   | <b>3.73</b> |
| Turning vane track x 3m | TVT  | <b>3.59</b> |



### ▼ Punch Banding

Code **PB25**

| Description    | Code | Price        |
|----------------|------|--------------|
| 25w x 30m Roll | PB   | <b>13.19</b> |

▼ **Barafoam**

| Code    | Size        | Fire Classification | Specification      | Prices       |
|---------|-------------|---------------------|--------------------|--------------|
| FA      | 2500 x 1250 | Class 1             | 25mm Self Adhesive | <b>34.23</b> |
| FA 13   | 2500 x 1250 | Class 1             | 13mm Self Adhesive | <b>19.30</b> |
| FA 50   | 2500 x 1250 | Class 1             | 50mm Self Adhesive | <b>55.87</b> |
| FA 13-0 | 2500 x 1250 | Class 0             | 13mm Self Adhesive | <b>32.80</b> |

▼ **Conduit**

| Code  | Size        | Specification       | Prices       |
|-------|-------------|---------------------|--------------|
| GC 20 | 3.75 metres | 20mm                | <b>8.66</b>  |
| GC 25 | 3.75 metres | 25mm                | <b>11.86</b> |
| RWM10 | -           | 10mm Rubber Washers | <b>4.27</b>  |

**Finish - GALVANISED**

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

| Size        | Size  | Price        |
|-------------|-------|--------------|
| Small       | DQS 1 | <b>3.44</b>  |
| Medium      | DQS 2 | <b>4.82</b>  |
| Large       | DQS 3 | <b>8.51</b>  |
| Extra Large | DQS 4 | <b>18.09</b> |

▼ **Guy Supports (Galv. Finish)**

| Code | Description      | Price        |
|------|------------------|--------------|
| GW   | 3mm x 30mts Wire | <b>8.64</b>  |
| GW6  | 6mm x 30mts Wire | <b>16.25</b> |
| GB   | 3mm Bulldogs     | <b>0.15</b>  |
| GB6  | 6mm Bulldogs     | <b>0.42</b>  |
| GT   | 3mm Thimbles     | <b>0.15</b>  |
| GT6  | 6mm Thimbles     | <b>0.42</b>  |
| GD   | 5/16d Shackle    | <b>0.44</b>  |
| GS6  | 6mm Strainer     | <b>2.13</b>  |
| GS8  | 8mm Strainer     | <b>2.26</b>  |

▼ **Paint / Brushes**

| Code   | Description                 | Price        |
|--------|-----------------------------|--------------|
| AP     | 5 litres Alu paint          | <b>34.64</b> |
| DG     | 2.5 litres dry galv.        | <b>36.17</b> |
| SP 500 | 500mm galv. spray tin       | <b>10.83</b> |
| THIN   | 5 litres Thinner            | <b>20.37</b> |
| MS     | 5 litres Mordant Solution   | <b>21.84</b> |
| PB 25  | 25mm Medium Paint Brush     | <b>1.60</b>  |
| PB 50  | 50mm Medium Paint Brush     | <b>2.68</b>  |
| TB500  | 500mm Top Black Spray Paint | <b>7.72</b>  |

▼ **Piano Hinge**

| Size   | Code                                  | Price / Length |
|--------|---------------------------------------|----------------|
| PH 1.5 | 1 1/2" Open x 72" Long 16g x 10g Pins | <b>9.65</b>    |

**Finish - ZINC PLATED**

▼ **Polythene (500g)**

| Code | Description            | Price        |
|------|------------------------|--------------|
| PB 1 | 36 x 56 Bag            | <b>1.00</b>  |
| PB 2 | 24 x 36 Bag            | <b>0.69</b>  |
| PB 3 | 4m x 25m Roll          | <b>52.04</b> |
| BT   | 50mm x 60m Parcel Tape | <b>0.74</b>  |

▼ **Toggle & Hook**

| Code | Description    | Price       |
|------|----------------|-------------|
| TH 2 | No. 25 per set | <b>2.04</b> |
| TH 3 | No. 33 per set | <b>2.23</b> |

▼ **Vane Rivets**

| Code | Description          | Price              |
|------|----------------------|--------------------|
| BVR  | Splitter Vane Rivets | <b>44.85 / 100</b> |

▼ **Weldmesh**

| Code | Pattern     | Size          | Guage | Prices        |
|------|-------------|---------------|-------|---------------|
| WM   | 1/2" x 1/2" | 914 x 30mtrs  | 16    | <b>254.81</b> |
| WM 4 | 1/2" x 1/2" | 1220 x 30mtrs | 16    | <b>345.06</b> |
| WML  | 1/2" x 1/2" | 914 x 30mtrs  | 19    | <b>107.24</b> |
| WM4L | 1/2" x 1/2" | 1220 x 30mtrs | 19    | <b>152.88</b> |

**Finish - GALVANISED**

▼ **Woodscrews (Plated)**

| Code | Description    | Price        |
|------|----------------|--------------|
| WS 1 | No. 8 x 3/4    | <b>14.87</b> |
| WS 2 | No. 8 x 1 1/2  | <b>20.64</b> |
| WS 3 | No. 8 x 1 3/4  | <b>26.05</b> |
| WS 4 | No. 10 x 1 3/4 | <b>25.05</b> |

▶ **Site Equipment**

▼ **Drills**

| Code    | Description  | Price                |
|---------|--------------|----------------------|
| SD 18   | 1/8 Stub     | <b>9.11 / 10EA</b>   |
| SD 532  | 5/32 Stub    | <b>15.11 / 10EA</b>  |
| SD 1364 | 13/64 Stub   | <b>11.11 / 10 EA</b> |
| HS 6    | M6 Standard  | <b>0.82 EA</b>       |
| HS 8    | M8 Standard  | <b>1.33 EA</b>       |
| HS 10   | M10 Standard | <b>2.28 EA</b>       |
| HS 12   | M12 Standard | <b>3.65 EA</b>       |

▼ **Hammer Drills**

| Code  | SDS M6      | SDS M8      | SDS M10     | SDS M12     |
|-------|-------------|-------------|-------------|-------------|
| Price | <b>2.71</b> | <b>3.60</b> | <b>6.71</b> | <b>8.59</b> |

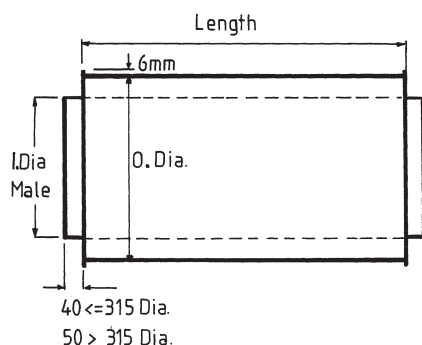
▼ **Cutting Discs**

| Code    | Description     | Price       |
|---------|-----------------|-------------|
| CD 4    | 4 inch x 3.2    | <b>2.13</b> |
| CD 7    | 7 inch x 3.2    | <b>3.05</b> |
| CD 9    | 9 inch x 3.2    | <b>4.21</b> |
| CD 14   | 14 inch x 0.125 | <b>9.94</b> |
| UTCD115 | Ultra Thin      | <b>1.22</b> |

▼ **Miscellaneous**

| Code  | Description           | Price        |
|-------|-----------------------|--------------|
| GI 14 | 14" Gibbous           | <b>32.12</b> |
| HP    | Hand Rivetor (Pliers) | <b>17.31</b> |
| LP    | Lazy Tongs            | <b>59.90</b> |
| MT    | 10ft Measuring Tape   | <b>8.94</b>  |
| HB    | 24 tpi Hacksaw Blades | <b>2.32</b>  |
| JB    | Bosch TW118A          | <b>2.21</b>  |
| RG    | Rigger Gloves         | <b>1.79</b>  |
| BG9   | Black Gloves          | <b>2.60</b>  |

## ► Silencers



**Silencers**  
Code **SIL**

| d   | L = 300mm  |              | L = 600mm  |               | L = 900mm  |               | L = 1200mm |               |
|-----|------------|--------------|------------|---------------|------------|---------------|------------|---------------|
|     | Order Code | £            | Order Code | £             | Order Code | £             | Order Code | £             |
| 100 | 0100-03    | <b>25.61</b> | 0100-06    | <b>36.73</b>  | 0100-09    | <b>46.18</b>  | 0100-12    | <b>64.52</b>  |
| 125 | 0125-03    | <b>27.80</b> | 0125-06    | <b>40.60</b>  | 0125-09    | <b>50.94</b>  | 0125-12    | <b>69.38</b>  |
| 150 | 0150-03    | <b>35.60</b> | 0150-06    | <b>45.01</b>  | 0150-09    | <b>56.14</b>  | 0150-12    | <b>72.68</b>  |
| 160 | 0160-03    | <b>35.60</b> | 0160-06    | <b>45.01</b>  | 0160-09    | <b>56.14</b>  | 0160-12    | <b>72.68</b>  |
| 200 | 0200-03    | <b>46.48</b> | 0200-06    | <b>52.83</b>  | 0200-09    | <b>71.85</b>  | 0200-12    | <b>91.43</b>  |
| 250 | 0250-03    | <b>53.66</b> | 0250-06    | <b>63.54</b>  | 0250-09    | <b>84.08</b>  | 0250-12    | <b>108.55</b> |
| 300 | 0300-03    | <b>72.11</b> | 0300-06    | <b>83.62</b>  | 0300-09    | <b>111.21</b> | 0300-12    | <b>128.57</b> |
| 315 | 0315-03    | <b>72.11</b> | 0315-06    | <b>83.62</b>  | 0315-09    | <b>111.21</b> | 0315-12    | <b>128.57</b> |
| 355 | 0355-03    | <b>80.51</b> | 0355-06    | <b>94.01</b>  | 0355-09    | <b>123.87</b> | 0355-12    | <b>134.45</b> |
| 400 | 0400-03    | <b>89.74</b> | 0400-06    | <b>125.87</b> | 0400-09    | <b>131.72</b> | 0400-12    | <b>158.48</b> |

### **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

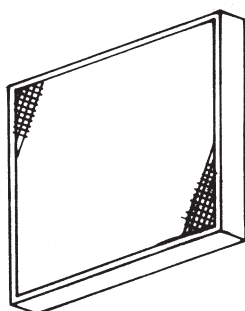
Should you know your requirements give us the following information and we will give you a price by return.

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

 Code **EMP**


### ▼ Glass Media Panel Filters - Code EMP

| Nominal Size | Price 1" Thick | Price 2" Thick |
|--------------|----------------|----------------|
| 250 x 250    | <b>4.45</b>    | <b>4.61</b>    |
| 300 x 300    | <b>5.03</b>    | <b>5.87</b>    |
| 400 x 400    | <b>6.51</b>    | <b>7.26</b>    |
| 500 x 500    | <b>7.35</b>    | <b>8.43</b>    |
| 600 x 600    | <b>8.2</b>     | <b>9.62</b>    |

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

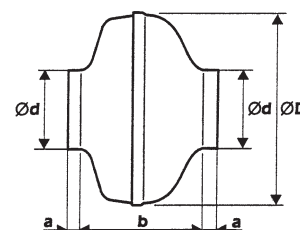
| Nominal Size | Price 1" Thick | Price 2" Thick |
|--------------|----------------|----------------|
| 250 x 250    | <b>17.69</b>   | <b>20.2</b>    |
| 300 x 300    | <b>18.49</b>   | <b>27.9</b>    |
| 400 x 400    | <b>22.3</b>    | <b>33.43</b>   |
| 500 x 500    | <b>27.83</b>   | <b>39.67</b>   |
| 600 x 600    | <b>34.84</b>   | <b>51.58</b>   |

Filter Boxes Manufactured to order

## ► Fans

### ▼ Standard Range

| Size | Code     | Range in M <sup>3</sup> s | £             |
|------|----------|---------------------------|---------------|
| 100  | FAN0100A | 0.069 - 0.015             | <b>70.96</b>  |
| 125  | FAN0125A | 0.087 - 0.017             | <b>70.96</b>  |
| 150  | FAN0150A | 0.165 - 0.033             | <b>71.48</b>  |
| 160  | FAN0160A | 0.165 - 0.033             |               |
| 200  | FAN0200A | 0.214 - 0.016             | <b>86.88</b>  |
| 250  | FAN0250A | 0.252 - 0.069             | <b>90.52</b>  |
| 315  | FAN0315A | 0.036 - 0.162             | <b>135.49</b> |


 Code **FAN**

### ▼ High Performance Range

| Size | Code     | Range in M <sup>3</sup> per second | £             |
|------|----------|------------------------------------|---------------|
| 150  | FAN0150H | 0.186 - 0.033                      | <b>86.02</b>  |
| 160  | FAN0160H | 0.186 - 0.033                      |               |
| 200  | FAN0200H | 0.242 - 0.048                      | <b>112.33</b> |
| 250  | FAN0250H | 0.27 - 0.053                       | <b>115.36</b> |
| 315  | FAN0315H | 0.51 - 0.217                       | <b>151.88</b> |

### ▼ 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 | <b>43.96</b> |
|---------|---------------|--------------|

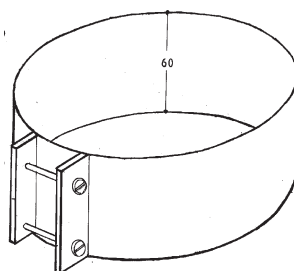
In addition to the above off the shelf In Line Fans we also supply and manufacture the following ranges.

• 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](http://www.vent-axia.com). Contact our sales team for further information or visit our website.

## ► Fast Clamp

| Size | Code   | Price        |
|------|--------|--------------|
| 100  | FC0100 | <b>5.88</b>  |
| 125  | FC0125 | <b>5.88</b>  |
| 150  | FC0150 | <b>6.77</b>  |
| 160  | FC0160 | <b>6.77</b>  |
| 200  | FC0200 | <b>7.25</b>  |
| 250  | FC0250 | <b>8.14</b>  |
| 315  | FC0315 | <b>9.92</b>  |
| 400  | FC0400 | <b>15.07</b> |
| 500  | FC0500 | <b>19.88</b> |

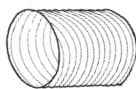

 Code **FC**

## Ductwork

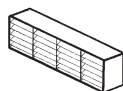
| Product      |       | PVC          | PVC          | PVC         | Steel        | Steel        |
|--------------|-------|--------------|--------------|-------------|--------------|--------------|
|              | Size  | 308 x 29     | 234 x 29     | 206 x 60    | 234 x 29     | 308 x 29     |
| Airbrick     | Code  | VKC753       | VKC703       | VKC5631     | SVKC703      | SVKC753      |
| Adapter      | Price | <b>4.80</b>  | <b>4.39</b>  | <b>1.80</b> | <b>11.96</b> | <b>14.92</b> |
| 2 x Airbrick | Code  |              | VKC712       | VKC5633     | SVKC712      | SVKC100      |
| Adapter      | Price |              | <b>4.11</b>  | <b>3.29</b> | <b>11.96</b> | <b>14.95</b> |
| Airbrick     | Code  |              |              | VKC5615     | SVKC561      |              |
| 100 Dia      | Price |              |              | <b>3.26</b> | <b>21.28</b> |              |
| Flat Channel | Code  | VKC754       | VKC706       | VKC5604     |              |              |
| 1 Metre      | Price | <b>7.04</b>  | <b>5.45</b>  | <b>3.50</b> |              |              |
| Flat Channel | Code  | VKC755       | VKC707       | VKC5629     |              |              |
| 2 Metre      | Price | <b>14.06</b> | <b>10.39</b> | <b>6.63</b> |              |              |
| Galvanised   | Code  |              |              |             | SVKC706      | SVKC754      |
| 1.5 Metre    | Price |              |              |             | <b>15.87</b> | <b>19.55</b> |
| Flat Channel | Code  | VKC750       | VKC703       | VKC5608     | SVKC700      | SVKC750      |
| Connector    | Price | <b>1.56</b>  | <b>1.27</b>  | <b>0.87</b> | <b>2.07</b>  | <b>2.53</b>  |
| Horizontal   | Code  | VKC759       | VKC711       | VKC5616     | SVKC711      | SVKC759      |
| 45 Deg Bend  | Price | <b>4.02</b>  | <b>2.91</b>  | <b>2.19</b> | <b>7.64</b>  | <b>9.55</b>  |
| Horizontal   | Code  | VKC751       | VKC701       | VKC5605     | SVKC701      | SVKC751      |
| 90 Deg Bend  | Price | <b>5.37</b>  | <b>3.36</b>  | <b>2.19</b> | <b>9.43</b>  | <b>11.79</b> |
| Vertical     | Code  | VKC757       | VKC709       |             | SVKC709      | SVKC760      |
| 45 Deg Bend  | Price | <b>4.22</b>  | <b>3.45</b>  |             | <b>9.43</b>  | <b>11.79</b> |
| Vertical     | Code  | VKC758       | VKC710       | VKC5612     | SVKC710      | SVKC758      |
| 90 Deg Bend  | Price | <b>4.22</b>  | <b>3.45</b>  | <b>3.06</b> | <b>9.43</b>  | <b>11.79</b> |
| Elbow Bend   | Code  | VKC752       | VKC702       | VKC5625     |              |              |
| 100 Diameter | Price | <b>3.65</b>  | <b>3.20</b>  | <b>2.31</b> |              |              |
| Rec/round    | Code  |              | VKC708       | VKC5615     | SVKC708      | SVKC100      |
| 100 Diameter | Price |              | <b>2.88</b>  | <b>1.93</b> | <b>21.28</b> | <b>26.59</b> |
| Support Clip | Code  |              |              | VKC5610     |              |              |
|              | Price |              |              | <b>0.39</b> |              |              |
| Taper        | Code  |              | VKC756       |             | SVKC756      |              |
|              | Price |              | <b>3.36</b>  |             | <b>12.13</b> |              |
| Flexible     | Code  |              |              | VKC5627     |              |              |
| Bend         | Price |              |              | <b>3.06</b> |              |              |

| Product                | Code         | Price        |
|------------------------|--------------|--------------|
| 100 Dia Flex 10 metres | DFAL0100     | <b>12.25</b> |
| 204 x 60 Air Brick     | DVKC704      | <b>0.83</b>  |
| 100 Dia Extract Valve  | DEAV0100     | <b>6.53</b>  |
| 200x 200 100 Dia       | DGBTE200x200 | <b>15.98</b> |
| Quick Release Clip     | DQRC145      | <b>0.71</b>  |
| 200 x 200 Grille       | DECG200x200  | <b>9.29</b>  |

**100 Dia Flex 10 Metres**  
Code DFAL0100



**204 x 60 Air Brick**  
Code DVKC704



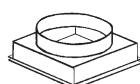
**100 Dia Extract Valve**  
Code DEAV0100



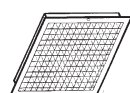
**Quick Release Clip**  
Code DQRC145



**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.

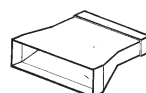
### PVC Ductwork

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

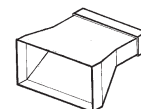
### Galvanised Ductwork

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

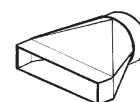
**Air Brick Adapter**  
For codes see table



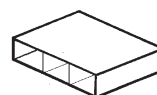
**2 x Airbrick Adapter**  
For codes see table



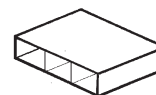
**Air Brick 100 Dia**  
For codes see table



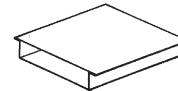
**Flat Channel 1 Metre**  
For codes see table



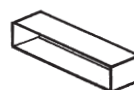
**Flat Channel 2 Metre**  
For codes see table



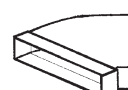
**Galvanized 1.5 Metre**  
For codes see table



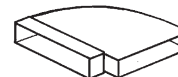
**Flat Channel Connector**  
For codes see table



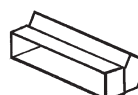
**Horizontal 45° Bend**  
For codes see table



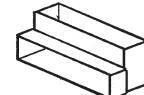
**Horizontal 90° Bend**  
For codes see table



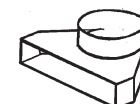
**Vertical 45° Bend**  
For codes see table



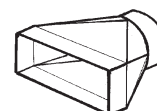
**Vertical 90° Bend**  
For codes see table



**Elbow Bend 100 Dia**  
For codes see table



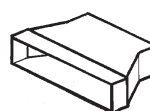
**Rec/Round 100 Dia**  
For codes see table



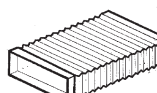
**Support Clip**  
For codes see table



**Taper**  
For codes see table



**Flexible Bend**  
For codes see table



## ► Application for Credit

Name in full: .....

Trading Address: .....

Type of Company:                      PLC                      LTD.                      PARTNERSHIP                      SOLE TRADER

Address of Registered Office: .....

Company Registration Number: .....

Name and Address of Partners/Directors:

.....

.....

.....

How long established: ..... Current Turnover: .....

Type of Business (Contractor etc.): .....

Amount of credit required: £ .....

Bank:      Name: .....

Address: .....

BUSINESS REFERENCES:- .....

(1)      Name: ..... Address: .....

.....

.....

Current value of business per month:                      £ .....

How long have you dealt with them: .....

(2)      Name: ..... Address: .....

.....

.....

Current value of business per month:                      £ .....

How long have you dealt with them: .....

(3)      Name: ..... Address: .....

.....

.....

Current value of business per month:                      £ .....

How long have you dealt with them: .....

Any other remarks: .....

.....

Note Trading Terms are 30 days from the month end of delivery.

I HAVE READ THE ATTACHED CONDITIONS OF DUCTMANN LTD AND ACCEPT THAT ANY  
CREDIT ACCOUNT GRANTED WILL BE SUBJECT TO THOSE CONDITIONS AT ALL TIMES.

Signed: ..... Position: .....

Print Name: ..... Date: .....





## ► 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.

# ductmann

spiral tube & fittings

