



ventilation

DUCT and FITTINGS

Did you know that A&B Industries is the manufacturer?

We manufacture and distribute the products directly to you. There is no “middle man” this guarantees that you receive the best possible product at the best possible price.

Great Product Design and Functionality

A&B Industries Product Manager and founder is a mechanical tradesman who has been in the trade for over 25 years. His experience means that the product is designed to ensure that it functions the way it's supposed to, that's why we say A&B Industries is “Designed by tradesmen for tradesmen”. Our products are tested for reliability and safety. We have all the relevant approvals needed for our products such as the Australian Standards.

Complies to the Australian & New Zealand Standards

Product safety is a priority for us at A&B Industries. That is why we ensure that products comply with the Australian & New Zealand Standards.

What are Australian & New Zealand Standards (AUS/NZ)?

These Standards have been developed with a set of criteria's which the product must meet. To achieve this status, the product must pass a series of tests in which it is put under difficult conditions that are designed to be similar to those that the item will endure in its day to day function. If the product has passed these tests then it gains certification under the Australian and New Zealand Standard.

It is a requirement by legislation that if a product needs approval, then we must ensure that it is certified before it's sold to the customer. All Electrical manufacturers regardless of whether they are a sole trader or large multinational company must meet the same standard.

Our Gas Heating products are all audited yearly and Certified by the Australian Gas Association to comply with strict Gas Legislation.

Quality Assurance

Our aim has always been to offer our customers Quality. We use ISO 9001 Quality Management Systems.

100% Australian Owned

When you buy from A&B Industries you are supporting an Australian family owned and managed company. We employ around 20-30 full time and casual employees.

Certification & Accreditations

A&B is certified and accredited to the following standards: –

- ISO 9001:2008. Quality system helps ensure consistent product and traceability.
- AS/NZS 4801:2001. OH&S system protects our work force from dangers of working with sheet metal.
- NATA tested products – independently tested IP ratings
- AGA approved and tested

History

Key dates in the history of A&B are as follows:

- 1987 – A&B founded manufacturing Gas Heating and some Electrical Products.
- 1998 – Formation of Domestic Enclosures Division
- 1998 – Move to new premises in Salisbury South SA to increase capacity
- 2000 – Extension of Salisbury South premises completed
- 2007 – Celebrates 20 years of business.
- 2011 – Release of NBN enclosure system solution
- 2015 – Upgrade of existing plant to include new conveyor line and CNC Turret press.
- 2015 – Re-branding of A&B, consolidating all divisions to offer a unified vision for the future.
- 2016 - Installation of Powder Coating Oven and line.

Manufacturing Facilities

Adelaide – 2,000m²

Residential Commercial Electrical, Meter Enclosure, Gas Heating, Wood Fire and Fencing products are primarily manufactured from our facility in South Australia. Facilities include the following equipment.

- 8 various style “G” Presses
- 2 Guillotines with a capacity to cut 3.0 MS up to 2400 long.
- 30 Ton 2500 x 1200 Nishimbo CNC Turret Press
- CNC Plasma Cutting
- Tig welding of Stainless Steel and Aluminium
- Mig welding facilities.
- 4 Mechanical Brake Presses for folding material 3.0 x 3m long.
- Spot Welders.
- Flue Pipe forming and rolling machinery.
- Spray painting booth and conveyor line.
- Tool room facility to maintain and manufacture tooling and jigs.
- Transport capability to give on time delivery.

“

A&B Industries have been supplying our Wholesale Branches with various Electrical Components using high quality and precision work of complex fabrication tasks, managing production requirements against workshop commitments.

”



About A&B Industries

Welcome to our brand new brochure, we trust that this will be of assistance to you.

A&B Industries is proud to be an Australian sheet metal manufacturer with its factory located in the northern suburbs of Adelaide in South Australia.

We specialize in the manufacture of high quality products and components from galvanised, aluminium and stainless steel sheets. We have also great expertise in the manufacture of steel brackets, usually in hot dipped galvanised finish.

Over the past two decades A&B Industries have developed a large range of standard products, enclosures and hot dipped galvanised brackets for the Electrical, and Gas, Ventilation, Wood Fire and Fencing Industries.

A&B Industries are also able to offer custom-built sheet metal enclosures for the electrical/electronic industry, from single units to small/medium production runs with obligation free assistance in design and quotations.

A&B Industries also like to highlight their ability to manufacture non-standard equipment in: Galvanised steel, stainless steel, aluminium, mild steel tubing etc.

- Switchboards and general purpose enclosures complete with cut-outs, equipment mounting plates, rain hoods.
- Powder coating of our products in any colour
- Ducting and flashings.
- Galvanised protection cages in any size
- Customer's Support Poles as specified by SAPN Guide for Customer's support poles
- Guillotining, bending, punching, welding, CNC Turret Punching and CNC Plasma Cutting

Feel free to call us anytime during working hours for an obligation free quotation and assistance in design.

CONTACT INFO

5 Bremen Drive, Salisbury South 5106, SA.

Phone: (08) 8281 1211

Fax: (08) 8281 7443

Website: www.abindustries.com.au

E-mail: enquiries@abindustries.com.au



Dust and fumes that are not sufficiently extracted from work areas can put businesses at high-risk of unclean work environments.

Product contamination, high wear and tear of mechanisms and risk of failure to electronic circuitry and wiring can cause your business to experience a loss of productivity. Modular and flexible ducting is the best choice for extraction materials.

A&b Industries is the trusted supplier to businesses that want quality fume and dust extraction systems. Flex duct is available in over 20 different types, designed to withstand the rigours of numerous industrial application. Backed by over 30 years of manufacturing excellence pays big dividends with durable, long-lasting qualities built into our products. Thank you for taking the time to view our catalogue.

TABLE OF CONTENTS

(CLICK LINK TO BE DIRECTED TO PAGE)

- [1. Standard Modular Ducting](#)
- [2. Ducting Accessories – Fittings](#)
- [3. Ducting Accessories – Valves](#)
- [4. Ducting Accessories – Other](#)
- [7. Flexible Ducting – Polyurethane](#)
- [8. Flexible Ducting – PVC](#)
- [9. Flexible Ducting – Thermoplastic Rubber](#)
- [10. Flexible Ducting – External Helix](#)
- [11. Flexible Ducting - Polyethylene](#)

Call for quote on 304 2b Stainless Steel fittings

To contact us to ask questions or make an order, please phone 08 8281 1211 or email enquiries@abindustries.com.au For more information, visit our website www.abindustries.com.au

5 Bremen Drive, Salisbury South 5106, SA.

(08) 8281 1211

Fax (08) 8281 7443

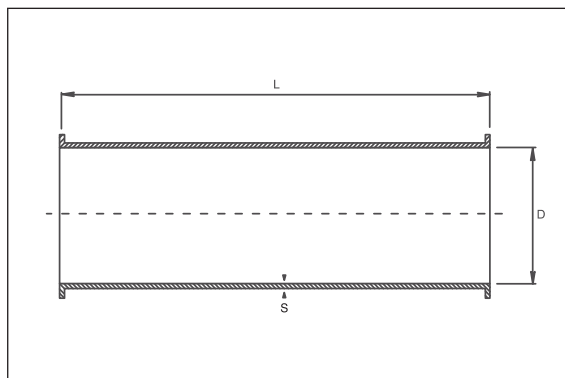
www.abindustries.com.au

enquiries@abindustries.com.au



Straight Ducting

Code D



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	D mm	S mm	A L=0.5m	B L=1.0m	C L=2.0m
Weight - kg					
D80	80	0.75	0.80	1.60	3.20
D100	100	0.75	1.00	2.00	4.00
D125	125	0.75	1.25	2.50	5.00
D140	140	0.75	1.40	2.80	5.60
D150	150	0.75	1.50	3.00	6.00
D160	160	0.75	1.60	3.20	6.40
D180	180	0.75	1.75	3.50	7.00
D200	200	0.75	2.00	4.00	8.00
D225	225	0.75	2.25	4.50	9.00
D250	250	0.75	2.50	5.00	10.00
D275	275	0.75	2.75	5.50	11.00
D300	300	0.75	2.85	5.70	11.40
D315	315	0.75	3.00	6.00	12.00
D325	325	0.75	3.00	6.00	12.00
D350	350	0.75	3.25	6.50	13.00
D375	375	0.75	3.30	6.50	13.00
D400	400	0.90	4.50	9.00	18.00
D425	425	0.90	4.60	9.20	16.50
D450	450	0.90	5.15	10.30	20.60
D475	475	0.90	5.20	10.30	20.60
D500	500	0.90	5.70	11.40	22.80
D550	550	0.90	6.25	12.50	25.00
D600	600	0.90	6.80	13.60	27.20
D630	630	0.90	7.20	14.40	28.80
D650	650	0.90	7.50	15.00	30.00
D700	700	0.90	8.00	16.00	32.00
D750	750	0.90	8.50	17.00	34.00
D800	800	1.00	10.00	20.00	40.00
D850	850	1.00	10.75	21.50	43.00
D900	900	1.00	11.50	23.00	46.00
D950	950	1.00	12.25	24.50	49.00
D1000	1000	1.00	13.00	26.00	52.00

Material

longitudinally lock formed
galvanised ducts

Sizes

Diameter: 80mm – 1000mm
0.5 m, 1.0m and 2.0m lengths Other
dimensions available to order



5 Bremen Drive, Salisbury South 5106, SA.

(08) 8281 1211

Fax (08) 8281 7443

www.abindustries.com.au

enquiries@abindustries.com.au



**Material**

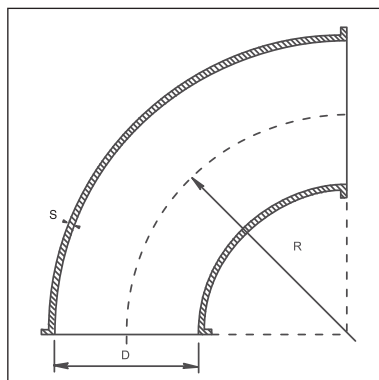
Pressed 1.0mm galvanised steel
Smooth internal bore reduces
pressure loss and wear

Sizes

Diameter: 80mm – 400mm
Bend angle: 7.5° to 90°
 $R = 1.5 \times D$

Pressed Bends

Code *B*



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	D mm	S mm	A 90°	B 60°	C 45°	D 30°	E 15°	F 7.5°
Weight - kg								
B80	80	1.00	0.40	0.30	0.20	0.15	0.08	0.05
B100	100	1.00	0.50	0.40	0.25	0.20	0.10	0.08
B125	125	1.00	0.90	0.65	0.45	0.35	0.17	0.12
B140	140	1.00	1.10	0.80	0.55	0.40	0.20	0.15
B150	150	1.00	1.20	0.90	0.60	0.50	0.25	0.20
B160	160	1.00	1.50	1.20	0.75	0.60	0.30	0.25
B180	180	1.00	2.00	1.50	1.00	0.80	0.40	0.30
B200	200	1.00	2.50	1.85	1.25	1.00	0.50	0.35
B225	225	1.00	3.20	2.40	1.60	1.20	0.60	0.37
B250	250	1.00	4.00	3.00	2.00	1.50	0.75	0.40
B275	275	1.00	4.80	3.60	2.40	1.80	0.90	0.43
B300	300	1.00	5.50	4.10	2.75	2.05	1.00	0.50
B315	315	1.00	5.90	4.50	2.95	2.25	1.12	0.55
B350	350	1.00	6.80	5.10	3.40	2.55	1.30	0.65
B400	400	1.00	9.50	7.10	4.75	3.60	1.80	0.90



5 Bremen Drive, Salisbury South 5106 SA.

08 8281 1211

Fax 08 8281 7443

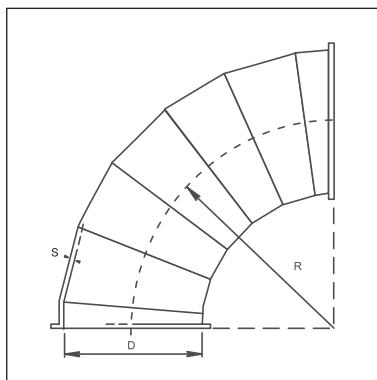
www.abindustries.com.au

enquiries@abindustries.com.au



Segmented Bends

Code B



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	D mm	S mm	A 90°	B 60°	C 45°	D 30°	E 15°	F 7.5°
			Weight - kg					
B325	325	0.90	6.30	4.70	3.20	2.40	1.20	0.60
B375	375	0.90	8.40	6.30	4.20	3.20	1.60	0.80
B425	425	0.90	10.80	8.10	5.40	4.00	2.00	1.00
B450	450	0.90	12.00	9.00	6.00	4.50	2.25	1.10
B475	475	0.90	13.50	10.10	6.80	5.10	2.50	1.25
B500	500	0.90	15.00	11.20	7.50	5.60	2.80	1.40
B550	550	0.90	18.00	13.50	9.00	6.80	3.40	1.70
B600	600	0.90	21.50	16.10	10.75	8.05	4.00	2.00
B630	630	0.90	22.40	16.80	11.20	8.40	4.20	2.10
B650	650	0.90	25.00	18.80	12.50	9.40	4.70	2.35
B700	700	0.90	29.00	21.80	14.50	10.90	5.40	2.70
B750	750	0.90	33.00	24.80	16.50	12.40	6.20	3.10
B800	800	1.00	37.50	28.10	18.75	14.05	7.00	3.50
B850	850	1.00	42.50	32.00	21.25	16.00	8.00	4.00
B900	900	1.00	48.00	36.00	24.00	18.00	9.00	4.50
B950	950	1.00	53.00	39.80	26.50	20.00	10.00	5.00
B1000	1000	1.00	59.00	44.00	29.50	22.00	11.00	5.50

Material

Segmented galvanised steel bends

Sizes

Diameter: 450mm – 550mm

Bend angle: 7.5° to 90°

Other dimensions available to order

$R = 1.5 \times D$



Material

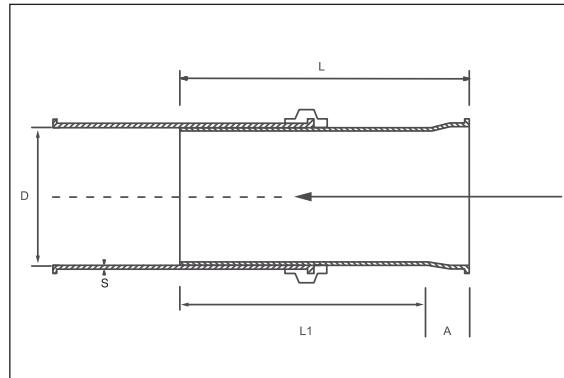
0.9mm galvanised steel with lever lock ring and rubber insert

Sizes

Diameter: 80mm to 500mm

Telescopic Ducting

Code *DTS*



Dimensional specifications are given in the table below

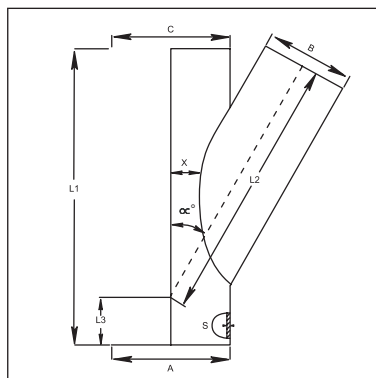
Dimensional Specifications

PRODUCT CODE	D mm	S mm	L mm	A mm	Telescope L1 mm	Weight kg
DTS80	80	0.9	500	50	450	0.8
DTS100	100	0.9	500	50	450	0.9
DTS125	125	0.9	500	50	450	1.2
DTS140	140	0.9	500	50	450	1.3
DTS150	150	0.9	500	50	450	1.4
DTS160	160	0.9	500	50	450	1.5
DTS180	180	0.9	500	50	450	1.7
DTS200	200	0.9	500	50	450	1.9
DTS225	225	0.9	500	50	450	2.1
DTS250	250	0.9	500	50	450	2.3
DTS275	275	0.9	500	50	450	2.5
DTS300	300	0.9	500	50	450	2.8
DTS315	315	0.9	500	50	450	3.0
DTS325	325	0.9	500	50	450	3.1
DTS350	350	0.9	500	50	450	3.1
DTS375	375	0.9	500	50	450	3.7
DTS400	400	0.9	500	50	450	3.4
DTS425	425	0.9	500	50	450	4.1
DTS450	450	0.9	500	50	450	5.1
DTS475	475	0.9	500	50	450	5.2
DTS500	500	0.9	500	50	450	5.7



30° Duct Entries

CODE DE30



Dimensional specifications are given in the table below

Dimensional Specifications

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

Material

0.9mm galvanised steel

Sizes

Manufactured to order

Dimensions

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

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

If $B < 300$: $X = 50\text{mm}$

If $B > 300$: $X = 100\text{mm}$

Calculations

$L1 =$ See table

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

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

Example

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

$L1 = 950\text{mm}$

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

$= 0.5 - (950 - 1332.22)$

$L2 = 382.72 \sim 383\text{mm}$

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

$L3 = 552.69 \sim 553\text{mm}$



5 Bremen Drive, Salisbury South 5106, SA.

(08) 8281 1211

Fax (08) 8281 7443

www.abindustries.com.au

enquiries@abindustries.com.au



**Material**

0.9mm galvanised steel

Sizes

Manufactured to order

Dimensions

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

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

If $B < 300$: $X = 50$ mmIf $B > 300$: $X = 100$ mm**Calculations**

L1 = See table

 $L2 = 1/2 - (L1 - (A/\tan \alpha))$ $L3 = ((L1 - L2)/\cos \alpha) - ((B/2) \times \tan \alpha)$ **Example**

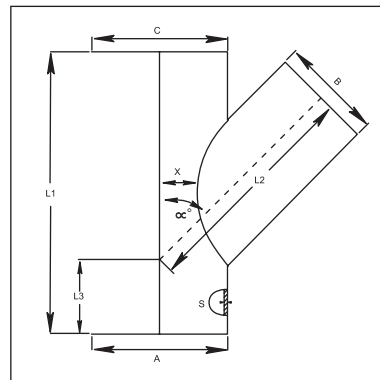
A = 550, B=500, C=550

L1 = 1050mm

 $L2 = 0.5 - (1050 - (500/\tan 44.8))$ $= 0.5 - (1050 - 553.85)$ $L2 = -495.65 \sim -496$ mm $L3 = ((1050 - 496)/\cos 44.8) - ((550/2) \times \tan 44.8)$ $\times \tan 44.8 = 2178.78 - 248.26$ $L3 = 1930.52 \sim 1931$ mm

45° Duct Entries

CODE DE45



Dimensional specifications are given in the table below

Dimensional Specifications

A mm	B mm	C mm	L1 mm	L2 mm	L3 mm	α°	S mm
Choose (100 - 1000)	80	Choose (100 - 1000)	300	Calculated	Calculated	43.8	0.90
	100		300			43.8	0.90
	120		350			44.0	0.90
	125		350			44.0	0.90
	140		350			44.1	0.90
	150		400			44.2	0.90
	160		400			44.2	0.90
	180		400			44.3	0.90
	200		450			44.4	0.90
	225		500			44.5	0.90
	250		500			44.5	0.90
	275		600			44.6	0.90
	300		600			44.6	0.90
	315		600			44.6	0.90
	350		700			44.7	0.90
	400		800			44.7	0.90
	450		950			44.7	0.90
	500		1050			44.8	0.90
	550		1150			44.8	0.90
	600		1250			44.8	0.90
	650		1250			44.8	0.90
	700		1300			44.8	0.90
	750		1300			44.8	0.90
	800		1450			44.8	0.90
	850		1450			44.9	0.90
	900		1650			44.9	0.90



5 Bremen Drive, Salisbury South 5106, SA.

(08) 8281 1211

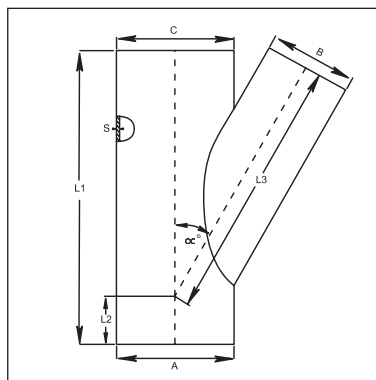
Fax (08) 8281 7443

www.abindustries.com.auenquiries@abindustries.com.au



30° Straight Branch Pieces

Code BPS30



Dimensional specifications are given in the table below

Dimensional Specifications

A=C mm	B mm	L1 mm	L2 mm	L3 mm	α°	S mm
Choose (100 - 1000)	80	350	Calculated	Calculated	28.0	0.90
	100	350			28.8	0.90
	120	350			28.8	0.90
	125	400			29.0	0.90
	140	450			29.1	0.90
	150	450			29.2	0.90
	160	450			29.2	0.90
	180	550			29.3	0.90
	200	550			29.3	0.90
	225	600			29.4	0.90
	250	750			29.5	0.90
	275	750			29.6	0.90
	300	750			29.6	0.90
	315	850			29.6	0.90
	350	950			29.6	0.90
	400	1050			29.7	0.90
	450	1250			29.7	0.90
	500	1250			29.7	0.90
	550	1250			29.8	0.90
	600	1450			29.8	0.90
	630	1650			29.8	0.90
	650	1650			29.8	0.90
	700	1650			29.8	0.90
	750	1850			29.9	0.90
	800	1850			29.9	0.90
	850	2050			29.9	0.90
	900	2050			29.9	0.90

Material

0.9mm galvanised steel

Sizes

Common sizes are a stock item
Special requirements are manufactured to order

Dimensions

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

Calculations

$L1$ = See table

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

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

Example

$A=650, B=650, C=400$

$L1 = 1050\text{mm}$

$L2 = 0.5 - \{1050 - (650 / \tan 29.7)\}$

$= 0.5 - \{1050 - 1139.57\}$

$L2 = 90.07 \sim 90\text{mm}$

$L3 = \{[(1050 - 90) / \cos 29.7] -$

$\{(650/2) \times \tan 29.7\} = 1105.19 - 185.38$

$L3 = 919.81 \sim 920\text{mm}$



5 Bremen Drive, Salisbury South 5106, SA.

(08) 8281 1211

Fax (08) 8281 7443

www.abindustries.com.au

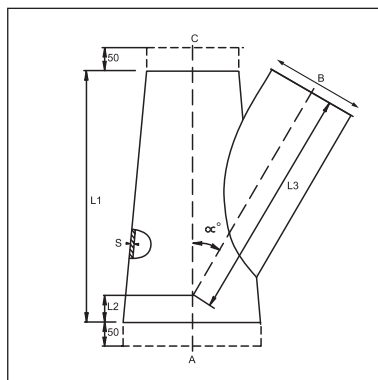
enquiries@abindustries.com.au





30° Conical Branch Pieces

Code BPC30



Dimensional specifications are given in the table below

Dimensional Specifications

A mm	B mm	C mm	L1 mm	L2 mm	L3 mm	α°	S mm
Choose (100 - 1000)	80	Choose (100 - 1000)	350	Calculated	Calculated	28.0	0.90
	100		350			28.8	0.90
	120		350			28.8	0.90
	125		400			29.0	0.90
	140		450			29.1	0.90
	150		450			29.2	0.90
	160		450			29.2	0.90
	180		550			29.3	0.90
	200		550			29.3	0.90
	225		600			29.4	0.90
	250		750			29.5	0.90
	275		750			29.6	0.90
	300		750			29.6	0.90
	315		850			29.6	0.90
	350		950			29.6	0.90
	400		1050			29.7	0.90
	450		1250			29.7	0.90
	500		1250			29.7	0.90
	550		1250			29.8	0.90
	600		1450			29.8	0.90
	630		1650			29.8	0.90
	650		1650			29.8	0.90
	700		1650			29.8	0.90
	750		1850			29.9	0.90
	800		1850			29.9	0.90
	850		2050			29.9	0.90
	900		2050			29.9	0.90

Material

0.9mm galvanised steel

Sizes

Common sizes are a stock item

Special requirements are

Manufactured to order

Dimensions

Refer to table – customer to specify A, B, & C

Please note the Branch 'B' determines L1, as in the table below

The maximum diameter reduction between A & C is 200mm. B must however, not be larger then or equal to $(A + C)/2$

In the case of double branch pieces, the largest branch determines Length L1

Calculations

L1 = See table

$L2 = (L1/2) - ((A+C) / (4 \times \tan \alpha^\circ))$

$L3 = ((L1-L2) / \cos \alpha^\circ)$

$- ((B/2) \times \tan \alpha^\circ)$

Example

A=650, B=500, C=450

L1 = 1250mm

$L2 = (1250/2) - ((650+450)/(4 \times \tan 29.7^\circ)) = 625 - 482.13$

$L2 = 182.87 \sim 183\text{mm}$

$L3 = ((1250-183)/\cos 29.7^\circ) - ((500/2) \times \tan 29.7^\circ) = 1228.37 - 142.60$

$L3 = 1085.77 \sim 1086\text{mm}$



5 Bremen Drive, Salisbury South 5106, SA.

(08) 8281 1211

Fax (08) 8281 7443

www.abindustries.com.au

enquiries@abindustries.com.au



Material

0.9mm galvanised steel

Sizes

Common sizes are a stock item

Special requirements are manufactured to order

Dimensions

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

Calculations

L1 = See table

 $L2 = (1/2) - (L1 - (A / \tan \alpha))$ $L3 = ((L1 - L2) / \cos \alpha) - ((B/2) \times \tan \alpha)$ **Example**

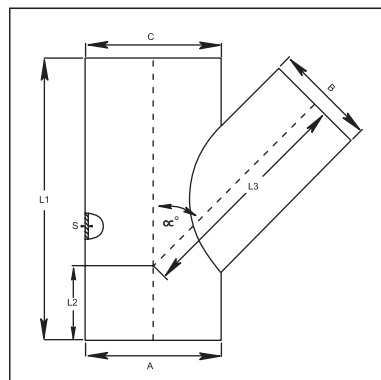
A=500, B=500, C=450

L1 = 950mm

 $L2 = 0.5 - (950 - (500 / \tan 44.7))$ $= 0.5 - (950 - 505.26)$ $L2 = -444.24 \sim -444\text{mm}$ $L3 = ((950 + 444) / \cos 44.7) -$ $((500/2) \times \tan 44.7) = 1961.17 - 247.40$ $L3 = 1713.77 \sim 1714\text{mm}$

45° Straight Branch Pieces

Code BPS45



Dimensional specifications are given in the table below

Dimensional Specifications

A=C mm	B mm	L1 mm	L2 mm	L3 mm	α°	S mm
Choose (100 - 1000)	80	300	Calculated	Calculated	43.8	0.90
	100	300			43.8	0.90
	120	350			44.0	0.90
	125	350			44.0	0.90
	140	350			44.1	0.90
	150	400			44.2	0.90
	160	400			44.2	0.90
	180	400			44.3	0.90
	200	450			44.4	0.90
	225	500			44.5	0.90
	250	500			44.5	0.90
	275	600			44.6	0.90
	300	600			44.6	0.90
	315	600			44.6	0.90
	350	700			44.7	0.90
	400	800			44.7	0.90
	450	950			44.7	0.90
	500	1050			44.8	0.90
	550	1150			44.8	0.90
	600	1150			44.8	0.90
	630	1150			44.8	0.90
	650	1150			44.8	0.90
	700	1300			44.8	0.90
	750	1300			44.8	0.90
	800	1450			44.8	0.90
	850	1450			44.9	0.90
	900	1650			44.9	0.90

Material

0.9mm galvanised steel

Sizes

Common sizes are a stock item

Special requirements are manufactured to order

Dimensions

Refer to table – customer to specify A, B, & C

Please note the Branch 'B' determines L1, as in the table below

The maximum diameter reduction between A & C is 200mm. B must however, not be larger then or equal to $(A + C)/2$

In the case of double branch pieces, the largest branch determines Length L1

Calculations

$$L2 = (L1/2) - [(A+C) / (4 \tan \alpha)]$$

$$L3 = [(L1-L2) / \cos \alpha]$$

$$- [(B/2) \times \tan \alpha]$$

Example

A=500, B=300, C=350

L1 = 600mm

$$L2 = (600/2) - [(500+350)/(4 \times \tan 44.6)] = 300 - 215.49$$

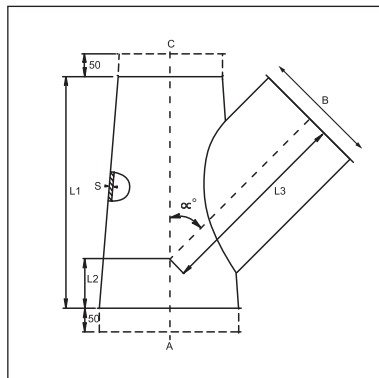
$$L2 = 84.51 \sim 85\text{mm}$$

$$L3 = [(600-85)/\cos 44.6] - [(300/2) \times \tan 44.6] = 723.29 - 147.92$$

$$L3 = 575.37 \sim 575\text{mm}$$

45° Conical Branch Pieces

Code BPC45



Dimensional specifications are given in the table below

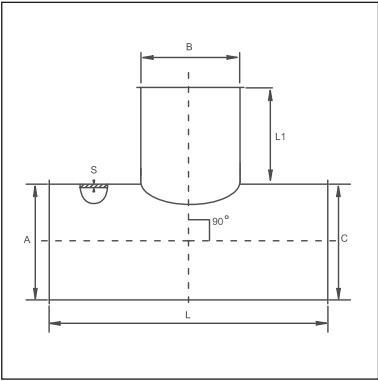
Dimensional Specifications

A mm	B mm	C mm	L1 mm	L2 mm	L3 mm	α°	S mm
Choose (100 - 1000)	80	Choose (100 - 1000)	300	Calculated	Calculated	43.8	0.90
	100		300			43.8	0.90
	120		350			44.0	0.90
	125		350			44.0	0.90
	140		350			44.1	0.90
	150		300			44.2	0.90
	160		400			44.2	0.90
	180		400			44.3	0.90
	200		450			44.4	0.90
	225		500			44.5	0.90
	250		500			44.5	0.90
	275		600			44.6	0.90
	300		600			44.6	0.90
	315		600			44.6	0.90
	350		700			44.7	0.90
	400		800			44.7	0.90
	450		950			44.7	0.90
	500		1050			44.8	0.90
	550		1150			44.8	0.90
	600		1150			44.8	0.90
	630		1150			44.8	0.90
	650		1150			44.8	0.90
	700		1300			44.8	0.90
	750		1300			44.8	0.90
	800		1450			44.9	0.90
	850		1450			44.9	0.90
	900		1650			44.9	0.90





'T' Pieces
Code TP



Dimensional specifications are given in the table below

Dimensional Specifications

B	S	L	L1
mm	mm	mm	mm
80	0.90	230	75
100	0.90	250	75
125	0.90	275	75
140	0.90	290	75
150	0.90	300	75
160	0.90	310	75
180	0.90	330	75
200	0.90	350	75
225	0.90	425	100
250	0.90	450	100
275	0.90	475	100
300	0.90	500	100
315	0.90	515	100
350	0.90	550	100
400	0.90	600	100
450	0.90	750	150
500	0.90	800	150
550	0.90	850	150
600	0.90	900	150
630	0.90	930	150
650	0.90	950	150
700	0.90	1100	200
750	0.90	1150	200
800	1.00	1200	200
850	1.00	1250	200
900	1.00	1300	200
950	1.00	1350	200
1000	1.00	1400	200

Material
Galvanised steel

Sizes
Manufactured to order
Available from 80mm to 1000mm diameter

Dimensions
Customer to specify A & B



Material

0.9mm galvanised steel

Sizes

Manufactured to order
Available from 80mm to 1000mm
diameter
Standard angle 30° – others
available on request

Dimensions

Customer to specify A, B & C
the 'Y' pieces are manufactured to
order in other degrees and sizes.
Please note $A > B$ and $A \neq C$ it is the
largest value of B and C that must
be applied in the calculation.

Calculation of L1 and L2 for 2 x 30°

$$L1 = (A \times 0.134) + 50$$

$$L2 = (B \times 0.866) + 100$$

Example

$$A = B = C = 200$$

$$L1 = (200 \times 0.134) + 50 = 76.8$$

$$L2 = (200 \times 0.866) + 100 = 273.2$$

Calculation of L1 and L2 for 2 x 45°

$$L1 = (A \times 0.207) + 50$$

$$L2 = (B \times 0.5) + 100$$

Example

$$A = B = C = 200$$

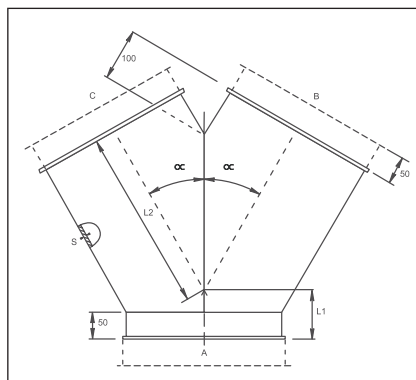
$$L1 = (200 \times 0.207) + 50 = 91.4$$

$$L2 = (200 \times 0.5) + 100 = 200$$

With conical 'Y' pieces where $A > B$,
 $A < C$ and $B = C$, L1 and L2 must be
specified.

'Y' Pieces

Code YP



Dimensional specifications are given in the
table below

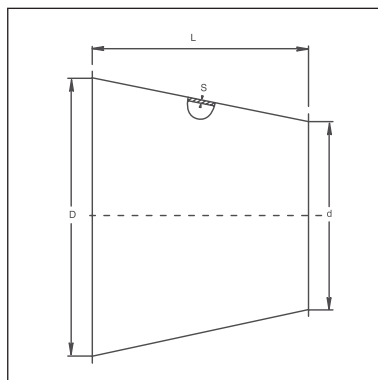
Dimensional Specifications

A	B	C	Length	Length	S	Weight
mm	mm	mm	L1	L2	mm	kg
80	80	80	61	171	0.9	0.4
100	100	100	63	188	0.9	0.6
125	125	125	67	212	0.9	0.8
150	150	150	70	230	0.9	1.0
160	160	160	71	236	0.9	1.1
180	180	180	74	254	0.9	1.3
200	200	200	77	272	0.9	1.8
225	225	225	80	295	0.9	2.2
250	250	250	83	318	0.9	2.5
275	275	275	87	337	0.9	2.7
300	300	300	90	360	0.9	2.8
315	315	315	92	372	0.9	2.9
350	350	350	97	402	0.9	3.8
400	400	400	104	449	0.9	4.3
450	450	450	110	490	0.9	5.5
500	500	500	117	532	0.9	6.1
550	550	550	124	679	0.9	7.8
600	600	600	130	720	0.9	8.5
630	630	630	134	744	0.9	9.5
650	650	650	137	762	0.9	12.0
700	700	700	144	809	0.9	13.0
750	750	750	150	850	1.0	16.0
800	800	800	157	892	1.0	19.0
850	850	850	164	939	1.0	22.0
900	900	900	171	986	1.0	24.0
950	950	950	177	1022	1.0	26.0
1000	1000	1000	184	1064	1.0	29.0



Reducing Cones

Code RC



Dimensional specifications are given in the table below

Material

Spot welded and made from 0.9mm galvanised steel

Dimensions

Refer to table

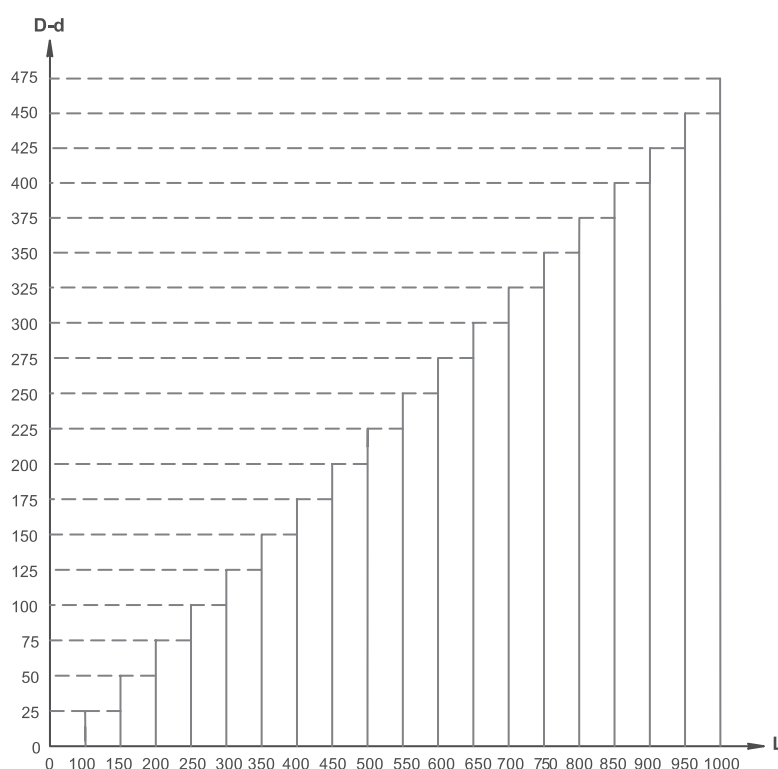
Other specifications made to order

Calculation of the length L of the taper

The difference between the large and the small diameter ($D - d$) of the reducing cone is plotted on the vertical axis (y) in the system of co-ordinates.

By following the line from this point to the intersection, the length L is read in the corresponding point on the horizontal axis (x) in the system of co-ordinates.

Calculation of the length L of the taper



Material

0.9mm galvanised steel, spot welded

Sizes

Manufactured to order
specify BU, LU & D

Height

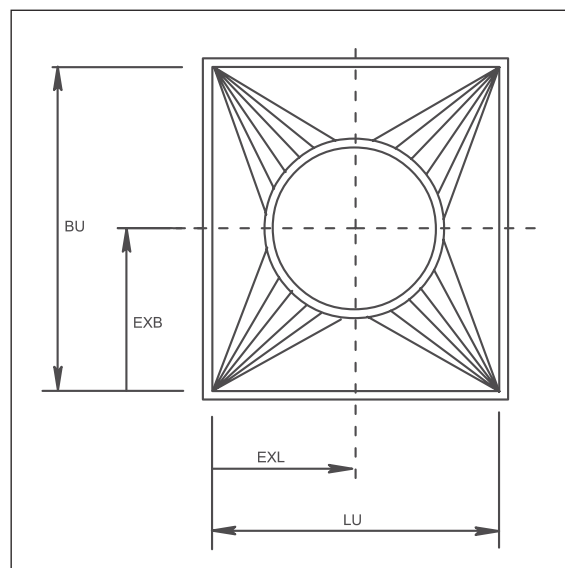
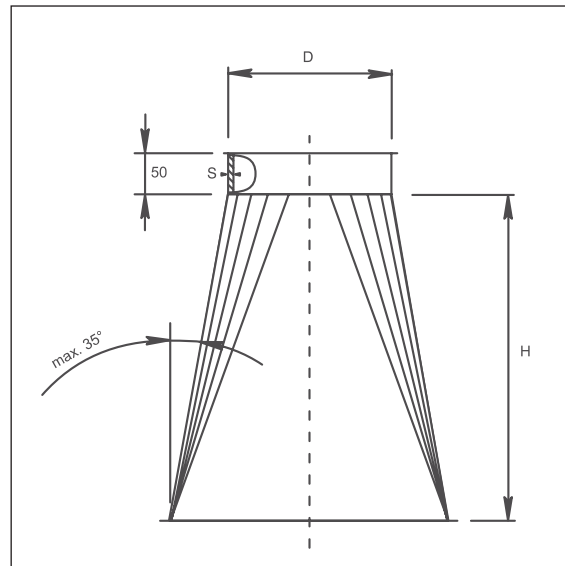
$H = 250\text{mm} + 0.5 \times (\text{maximum value of } LU - D) \text{ or } (BU - D)$

Other

Transition pieces are made to order in any dimension. They can also be ordered as asymmetrical units.

Square to Round Transition Piece

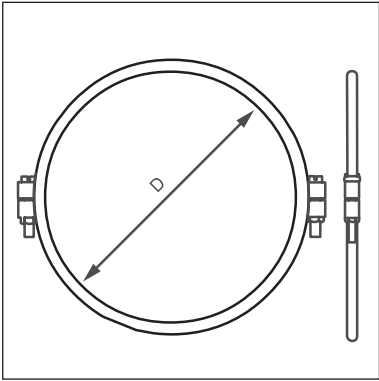
CODE SQ-RD





Standard Lock Ring

Code SL



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	D mm	Weight / 10 pcs kg
SL80	80	0.55
SL100	100	0.60
SL125	125	0.70
SL140	140	0.75
SL150	150	0.80
SL160	160	0.83
SL180	180	0.85
SL200	200	0.90
SL225	225	0.95
SL250	250	1.00
SL275	275	1.05
SL300	300	1.25
SL315	315	1.30
SL325	325	1.30
SL350	350	1.35
SL375	325	1.37
SL400	400	1.45
SL475	475	1.50
SL450	450	1.65
SL500	500	1.90

Material

Galvanised steel with nut and bolt closure

Sizes

80mm to 550mm diameter

Note

Should be used in association with Duct End Seals to ensure perfect system closure





Material

Galvanised steel, hinged, with PVC seal and quick release lever lock

Sizes

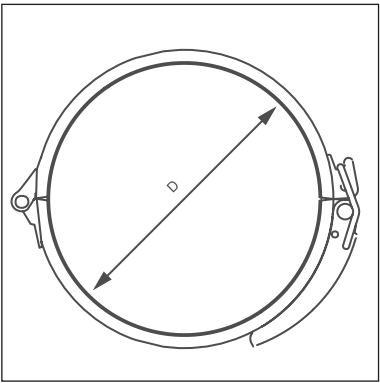
80mm to 550mm diameter

Options

Available with
RED - liner standard for use up to 60°C
BLACK - liner for use up to 100°C
GREY - liner for use up to 200°C

Lever Lock Ring

Code LL



Dimensional specifications are given in the table below

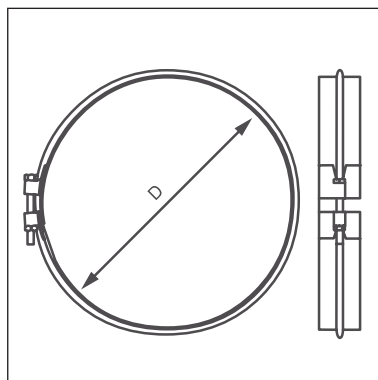
Dimensional Specifications

PRODUCT CODE	D mm	Weight / 10 pcs kg
LL80	80	2.00
LL100	100	2.30
LL125	125	2.45
LL140	140	2.50
LL150	150	2.50
LL160	160	2.60
LL180	180	2.60
LL200	200	3.30
LL225	225	3.40
LL250	250	3.80
LL275	275	4.20
LL300	300	4.25
LL315	315	4.40
LL350	350	4.90
LL400	400	5.25
LL450	450	6.00
LL500	500	6.50
LL550	550	7.00



Wide Lock Ring

Code WL



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	D mm	Weight / 10 pcs kg
WL200	200	2.50
WL225	225	3.00
WL250	250	3.50
WL275	275	4.00
WL300	300	4.50
WL315	315	4.70
WL350	350	5.00
WL400	400	5.50
WL450	450	6.00
WL500	500	6.50
WL550	550	7.00
WL600	600	7.50
WL630	630	7.80
WL650	650	8.00

Material

Two piece galvanised steel lock ring with nut and bolt closure
For use with large diameter ducting

Sizes

200mm to 650mm diameter

Options

Available with

RED - liner standard for use up to 60°C

BLACK - liner for use up to 100°C

GREY - liner for use up to 200°C



Material

Zinc plated steel
or stainless steel

Sizes

32mm to 300mm diameter

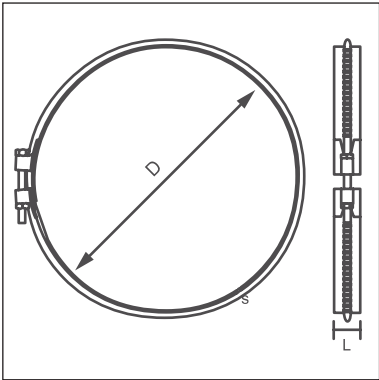
Note

Smooth band to protect hoses and a
strong torque rating

Worm Drive Clamps

Code WDCG for standard clamps

Code WDSC for stainless steel clamps



Dimensional specifications are given in
the table below

Dimensional Specifications

PRODUCT CODE	D mm	L mm	S mm
WDCG32	30-40	17	0.7
WDCG50	40-55	17	0.7
WDCG65	55-70	17	0.7
WDCG80	70-90	17	0.7
WDCG100	90-120	17	0.7
WDCG125	120-140	17	0.7
WDCG150	140-160	17	0.7
WDCG200	205-230	17	0.7
WDCG225	230-255	17	0.7
WDCG250	255-280	17	0.7
WDCG300	280-305	17	0.7





Flexible Hose Spigots

Code FHS

Dimensional Specifications

PRODUCT CODE	D mm
FHS80	80
FHS100	100
FHS125	125
FHS150	150
FHS180	180
FHS200	200
FHS225	225
FHS250	250
FHS275	275
FHS300	300
FHS350	350
FHS400	400

Material

0.9mm galvanised steel

Sizes

80mm to 400mm diameter

Note

Used to join SpeedLock to Eximo
Flex products





Material

Profiled EPDM rubber
For use with standard lock rings

Sizes

80mm to 400mm diameter

Note

Made from EPDM rubber and used to complete a seal when using our Standard Lock Rings (Code SL). Only one seal is used per connection. The seal is placed over the bead on SpeedLock Duct prior to assembly. Hardness is 80° shore and tolerates temperatures from -40° to 100°.

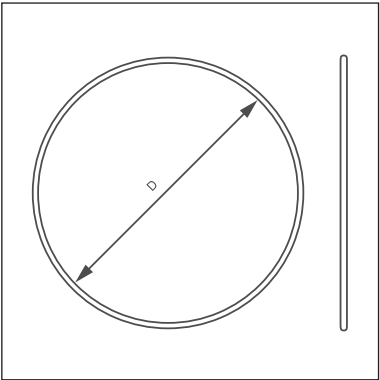
Options

Also available in diameters 80-400 in Nitril Rubber (Code DESN). Hardness is 80° shore and operates from -15° to 80°. Nitril Rubber is resistant to oil, petrol and some acids.

Duct End Seals

Code *DES*

Code *DESN* (Nitril Rubber)



Dimensional specifications are given in the table below

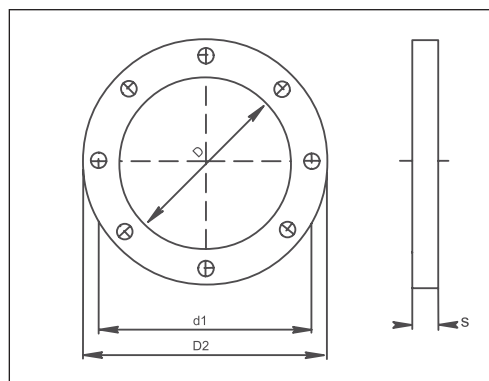
Dimensional Specifications

PRODUCT CODE	D mm
FHS80	80
FHS100	100
FHS125	125
FHS150	150
FHS180	180
FHS200	200
FHS225	225
FHS250	250
FHS275	275
FHS300	300
FHS350	350
FHS400	400

Flanges

Code F (Galvanised)

Code FR (Nitril Rubber)



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	Duct Diameter nominal	D mm	Flange d1 mm	D2 mm	o mm	b Width of flange mm	n Size of hole mm	Number of holes	Weight kg
F80	80	83	115	133	3.0	25	9	8	0.263
F100	100	103	135	153	3.0	25	9	8	0.313
F125	125	128	160	178	3.0	25	9	8	0.378
F140	140	143	175	193	3.0	25	9	8	0.412
F150	150	155	185	205	5.0	25	9	8	0.545
F160	160	165	195	215	5.0	25	9	8	0.576
F180	180	185	215	235	5.0	25	9	8	0.638
F200	200	205	235	255	5.0	25	9	12	0.700
F225	225	230	260	280	5.0	25	9	12	0.750
F250	250	255	285	305	5.0	25	9	12	0.854
F275	275	280	310	330	5.0	25	9	12	0.958
F300	300	305	336	355	5.0	25	9	12	1.008
F315	315	320	351	370	5.0	25	9	12	1.258
F325	325	330	360	380	5.0	25	9	12	1.460
F350	350	355	389	415	6.0	30	11	12	1.839
F375	375	380	424	440	6.0	30	9	12	1.680
F400	400	405	439	465	6.0	30	11	16	2.080
F425	425	430	462	440	6.0	30	11	16	1.900
F450	450	455	389	515	6.0	30	11	16	2.321
F475	475	480	515	540	6.0	30	11	16	2.130
F500	500	505	540	565	6.0	30	11	16	2.561
F550	550	535	590	615	6.0	30	11	16	2.802
F600	600	605	640	665	6.0	30	11	16	3.043
F630	630	635	670	695	6.0	30	11	24	3.188
F650	650	655	690	715	6.0	30	11	24	3.284
F700	700	705	750	785	6.0	40	11	24	3.525
F750	750	755	800	835	6.0	40	11	24	5.085
F800	800	805	850	885	6.0	40	11	24	5.406
F850	850	855	900	935	6.0	40	11	24	5.727
F900	900	905	950	985	6.0	40	11	24	6.048
F950	950	955	1000	1035	6.0	40	11	24	6.370
F1000	1000	1005	1050	1085	6.0	40	11	24	6.691
F1250	1250	1255	1300	1335	6.0	40	11	28	6.850

Material

Hot galvanised flat iron

Sizes

80mm to 1250mm diameter

Options

Also available made from Nitril Rubber (Code FR) and compliment our extensive range of flanges. Hardness is 65° shore operates from -10° to 70° resistant to oil, petrol and some acids.



Material

6mm rolled and welded hot galvanised flat iron

Sizes

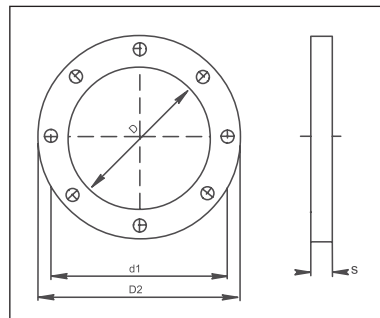
400mm to 1000mm diameter

Options

Also available made from Nitril Rubber (Code FHR) to compliment our extensive range of flanges hardness is 65° shore operates from -10° to 70° and is resistant to oil, petrol and some acids

Heavy Flanges

Code *FH*



Dimensional specifications are given in the table below

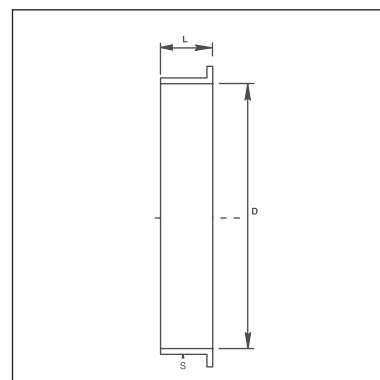
Dimensional Specifications

PRODUCT CODE	Duct Diameter nominal	D mm	Flange d1 mm	D2 mm	o S mm	b Width of flange mm	Size of hole mm	n Number of holes	Weight kg
FH400	400	405	439	465	6.0	30	11	16	2.080
FH450	450	455	489	515	6.0	30	11	16	2.321
FH500	500	505	540	565	6.0	30	11	16	2.561
FH550	550	535	590	615	6.0	30	11	16	2.802
FH600	600	605	640	665	6.0	30	11	16	3.043
FH630	630	635	670	695	6.0	30	11	24	3.188
FH650	650	655	690	715	6.0	30	11	24	3.284
FH700	700	705	750	785	6.0	40	11	24	3.525
FH750	750	755	800	835	6.0	40	11	24	5.085
FH800	800	805	850	885	6.0	40	11	24	5.406
FH850	850	855	900	935	6.0	40	11	24	5.727
FH900	900	905	950	985	6.0	40	11	24	6.084
FH950	950	955	1000	1035	6.0	40	11	24	6.370
FH1000	1000	1005	1050	1085	6.0	40	11	24	6.691

Heavy Weld Ends

Code *WEH*

Dimensional Specifications



Dimensional specifications are given in the table

PRODUCT CODE	Length mm	Weight kg
WEH100	35	0.2
WEH125	35	0.3
WEH150	45	0.4
WEH180	45	0.5
WEH200	45	0.5
WEH225	45	0.6
WEH250	45	0.6
WEH275	45	0.7
WEH300	45	0.8
WEH350	45	0.9
WEH400	45	1.0
WEH450	45	1.1
WEH500	50	1.4
WEH550	50	1.6
WEH600	50	1.65

Material

2mm steel plate

Sizes

100mm to 600mm diameter

Hanging Brackets and Bracket Legs

Code HB (Hanging Brackets)

Code WBL (Bracket Legs)

80mm to 315mm

Material

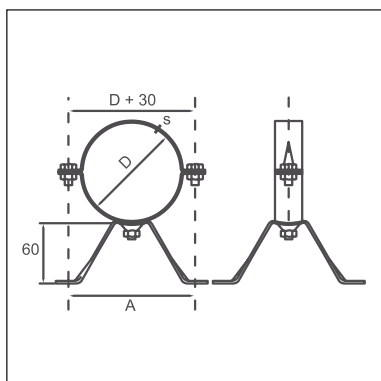
2.0mm galvanised steel, 10mm hole

Sizes

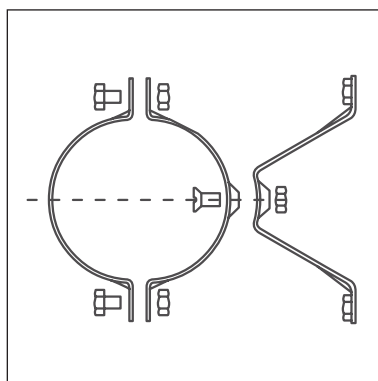
80mm to 315mm diameter

Note

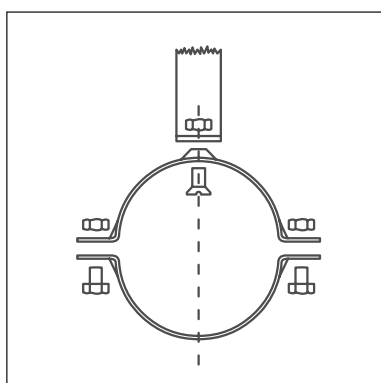
It is strongly recommended that Hanging Brackets and Bracket Legs be used every second length of duct.



With legs



For wall mounting



Suspended



Bracket Legs

Dimensional Specifications

D mm	A mm	S mm	Weight kg
80	132	2,00	0,10
100	132	2,00	0,12
120	132	2,00	0,15
125	132	2,00	0,16
140	132	2,00	0,18
150	132	2,00	0,20
160	132	2,00	0,22
180	210	2,00	0,24
200	210	2,00	0,26
225	210	2,00	0,28
250	210	2,00	0,30
275	210	2,00	0,32
300	210	2,00	0,34
315	210	2,00	0,35



Material

3.0mm galvanised steel, 10mm hole

Sizes

325mm to 800mm diameter

Note

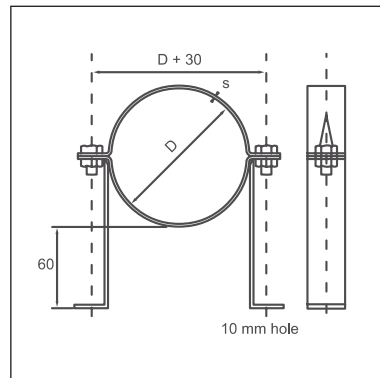
It is strongly recommended that Hanging Brackets and Bracket Legs be used every second length of duct.

Hanging Brackets and Bracket Legs

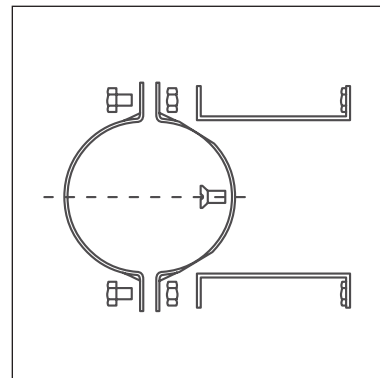
Code HB (Hanging Brackets)

Code WBL (Bracket Legs)

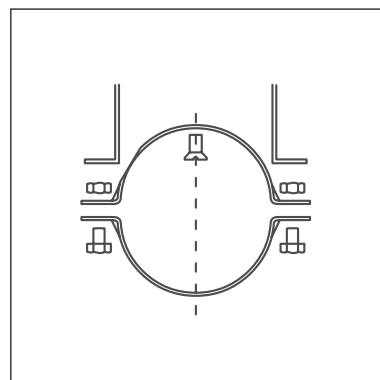
325mm to 800mm



With legs



For wall mounting



Suspended



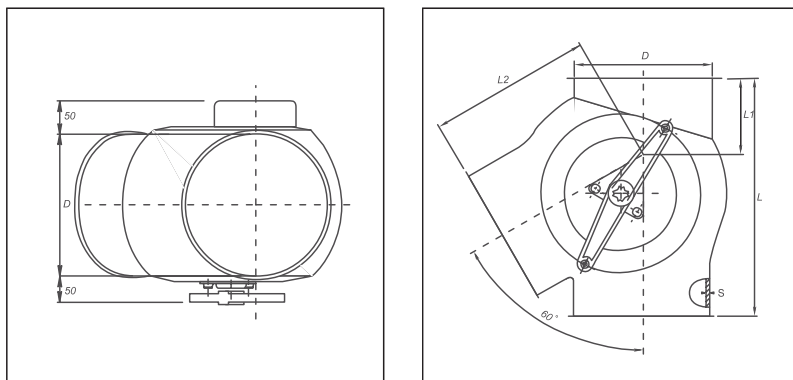
Bracket Legs

Dimensional Specifications

D mm	S mm	Weight kg
325	3,00	1,80
350	3,00	1,95
375	3,00	2,20
400	3,00	2,50
425	3,00	2,65
450	3,00	2,80
500	3,00	3,00
550	3,00	3,35
600	3,00	3,60
630	3,00	3,70
650	3,00	3,85
700	3,00	4,00
750	3,00	4,35
800	3,00	4,80

60° Branch Type Diverter Valves

Code DVBM



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	Inside diameter	Housing thickness	Overall Length			Weight kg
	D mm	S mm	L mm	L1 mm	L2 mm	
DVBM100	100	1.5	210	70	145	2.2
DVBM125	125	1.5	260	90	170	4.0
DVBM150	150	2.0	290	100	190	5.7
DVBM180	180	2.0	510	195	315	11.0
DVBM200	200	2.0	345	110	230	8.3
DVBM250	250	2.0	415	135	270	13.1
DVBM300	300	2.0	475	160	325	19.3

Material

Pressed steel plate, painted, with 2mm steel plate damper and brass bearings

Sizes

100mm to 300mm

Operation

Manually operated
Also available with pneumatic or electric operation as optional accessories

Note

These diverters can be adjusted to 45° operation though fitting a SpeedLock 15° bend to the left inlet and one outlet





Material

Pressed steel plate, painted, with 2mm steel plate damper and brass bearings

Sizes

100mm to 300mm

Operation

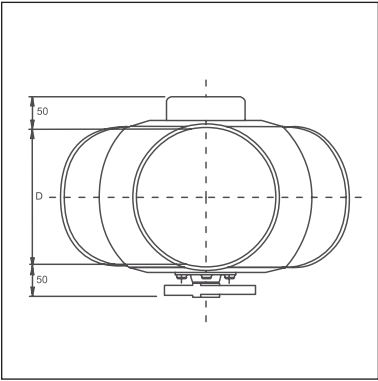
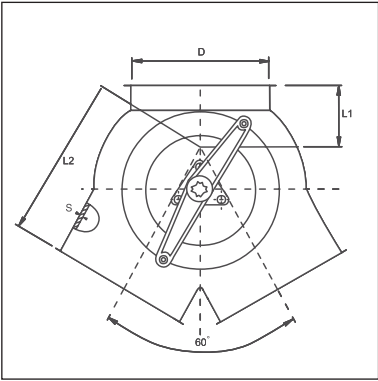
Manually operated
Also available with pneumatic or electric operation as optional accessories

Note

These diverters can be adjusted to 45° operation through fitting a SpeedLock 15° bend to the inlet and one outlet

60° Trouser Type Diverter Valves

Code *DVTM*



Dimensional specifications are given in the table below

Dimensional Specifications

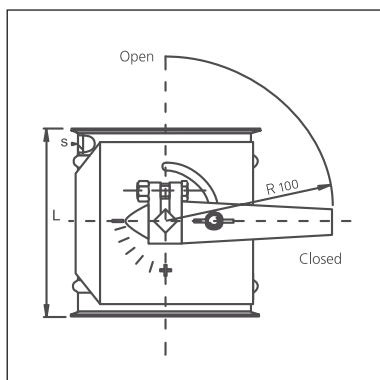
PRODUCT CODE	Inside diameter	Housing thickness		Overall Length	Weight kg
	D	S	L1	L2	
	mm	mm	mm	mm	
DVTM100	100	1.5	70	145	2.0
DVTM125	125	1.5	90	170	3.9
DVTM150	150	2.0	100	190	5.6
DVTM180	180	2.0	195	315	10.6
DVTM200	200	2.0	110	230	7.9
DVTM250	250	2.0	135	270	12.5
DVTM300	300	2.0	160	325	18.3



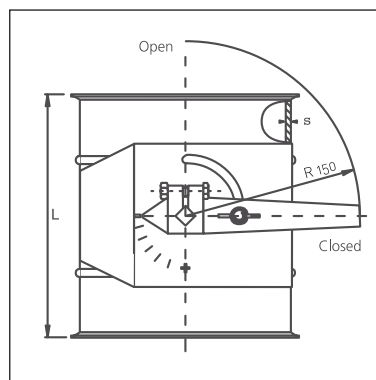


Throttle Valves

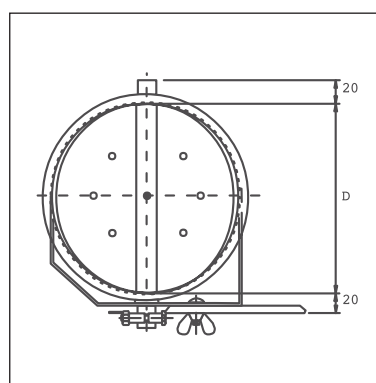
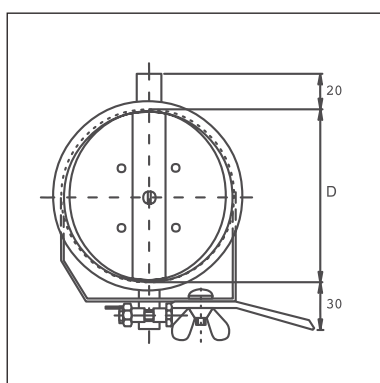
Code TV



Diameter: 80mm - 100mm



Diameter: 180mm - 400mm



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	Inside diameter D	Housing thickness S	Gate thickness mm	Overall Length L	Weight kg
	mm	mm		mm	
TV80	80	0.9	1.8	125	0.65
TV100	100	0.9	1.8	125	0.75
TV125	125	0.9	1.8	135	0.95
TV140	140	0.9	1.8	170	1.15
TV150	150	0.9	1.8	170	1.25
TV160	160	0.9	1.8	170	1.35
TV180	180	0.9	1.8	210	1.90
TV200	200	0.9	1.8	210	2.20
TV225	225	0.9	1.8	240	2.55
TV250	250	0.9	1.8	265	3.05
TV275	275	0.9	1.8	290	3.50
TV300	300	0.9	1.8	315	4.30
TV315	315	0.9	1.8	330	4.30
TV350	350	0.9	1.8	365	4.95
TV400	400	0.9	1.8	415	6.90
TV450	450	0.9	1.8		
TV500	500	0.9	1.8		

Material

0.9mm galvanised steel with double plate damper

Sizes

80mm to 500mm

Operation

Manually operated, with continuously variable opening settings. 96% maximum closure.

Options

Can be fitted with electric or pneumatic operation as an optional accessory. Please ask us for specifications





Material

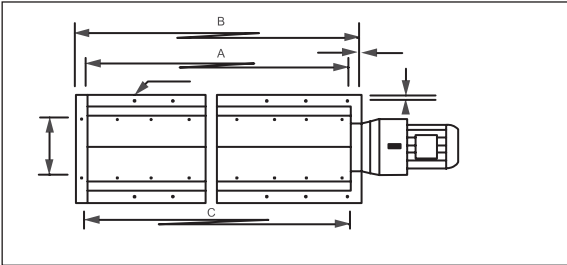
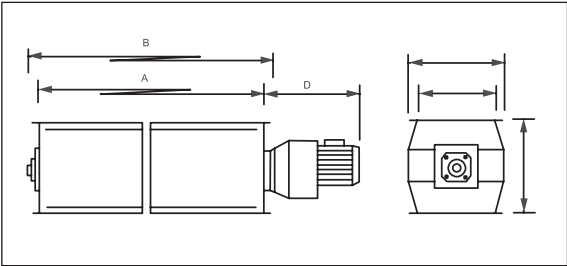
Pressed 3mm steel plate, painted in high gloss enamel, with six rotor blades and rubber vanes
Three phase geared motor
Direct coupled shaft with flanged bearing

Sizes

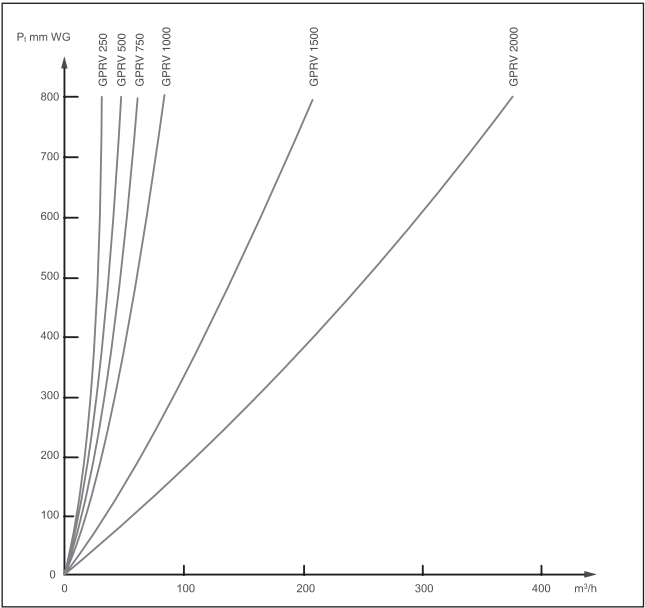
250mm to 2000mm

General Purpose Rotary Valves

Code *GPRV*



Pressure Loss Chart



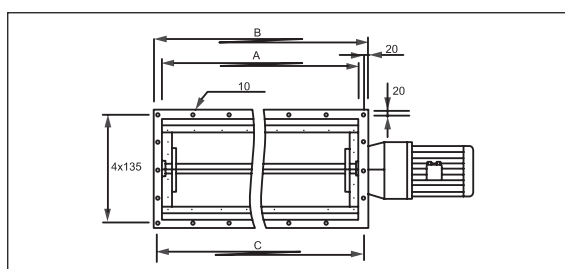
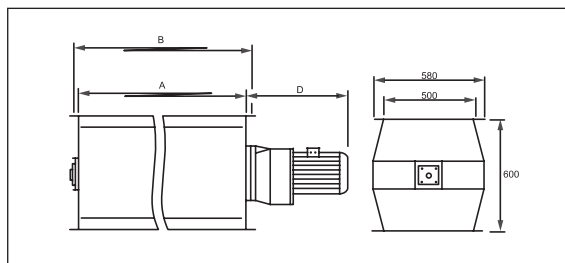
Dimensional Specifications

PRODUCT CODE	A mm	B mm	C mm	D mm	Weight kg	Capacity at 20rpm, 50% full pockets	
						m³/h	cfm
GPRV250	250	315	1 x 150	350	45	10	6
GPRV500	500	565	3 x 150	415	65	20	12
GPRV750	750	815	4 x 150	415	80	32	19
GPRV1000	1000	1065	6 x 150	415	90	42	25
GPRV1500	1500	1565	9 x 150	415	120	63	37
GPRV2000	2000	2065	13 x 150	580	150	83	49

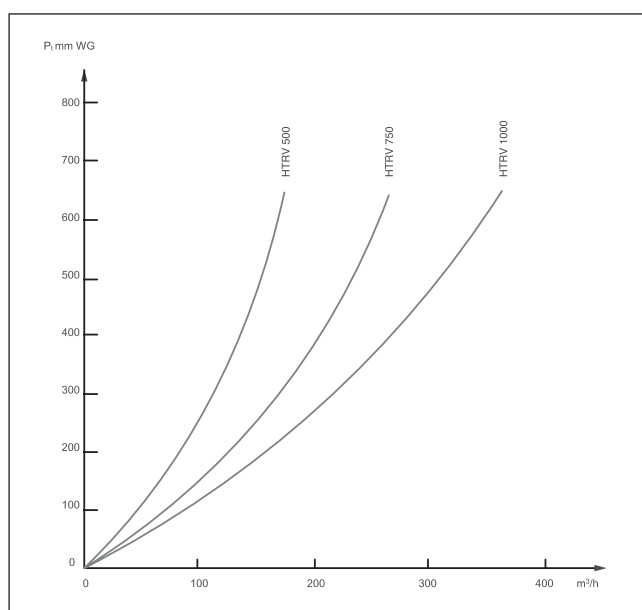


High Throughput Rotary Valves

Code *HTRV*



Pressure Loss Chart



Dimensional Specifications

PRODUCT CODE	A mm	B mm	C mm	D mm	Weight kg	Capacity at 16rpm, 50% full pockets	
						m³/h	cfm
HTRV500	500	580	4 x 135	525	140	60	35
HTRV750	750	830	5 x 158	525	185	90	53
HTRV1000	1000	1080	8 x 130	610	260	120	71

Material

Pressed 3mm steel plate, painted in high gloss enamel, with eight rotor blades and rubber vanes

Direct coupled rotor shaft with flanged bearing

Sizes

500mm to 1000mm





Material

Cast iron casing and end plates painted in high gloss enamel, with six armed mild steel rotor and nylon or vulkolan vanes
Direct coupled rotor shaft with flanged bearing

Sizes

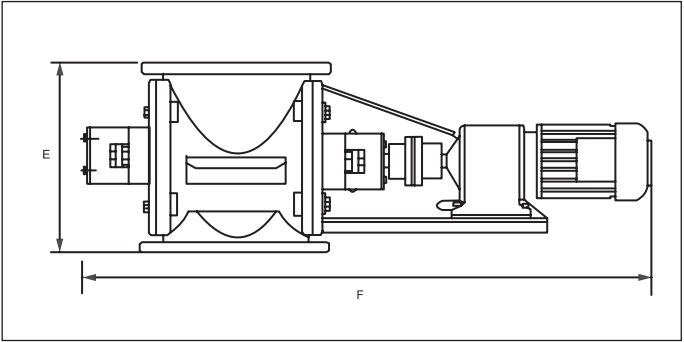
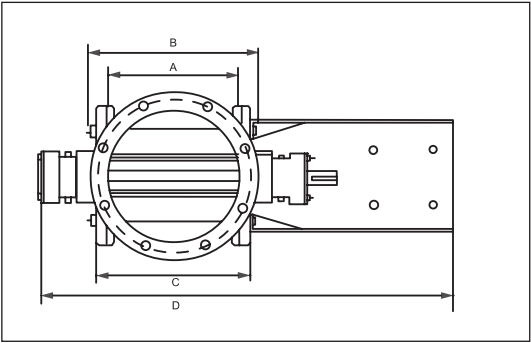
250mm and 350mm

Available variants

Eight armed rotor – airtight to 4000mm WG (standard 500mm WG)
High temperature bearings – up to 250 °C
Stainless steel rotor

High Pressure Rotary Valves

Code *HPRV*



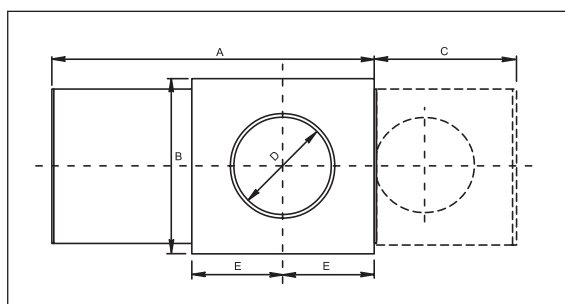
Dimensional Specifications

PRODUCT CODE	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg	Capacity at 32rpm, 70% full pockets m³/h
HPRV250	250	320	290	799.5	330	970	120	8.75
HPRV350	350	420	390	904.5	400	1124.5	145	27.75

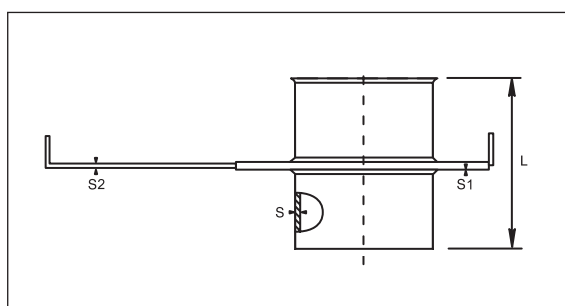


Standard Blast Gate

Code BG



Description specifications of the diameter (D) are given in the table below



Description specifications of the length (L) are given in the table below

Dimensional Specifications

PRODUCT CODE	Inside diameter	Housing thickness	Gate thickness						Overall Length	Weight kg
	D	S	S1	S2	A	B	C	E	L	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
BG80	80	0.9	1.25	2.0	225	145	105	75	130	1.1
BG100	100	0.9	1.25	2.0	340	185	150	95	130	1.6
BG125	125	0.9	1.25	2.0	340	185	150	95	130	1.8
BG140	140	0.9	1.25	2.0	405	225	175	115	130	2.4
BG150	150	0.9	1.25	2.0	405	225	175	115	130	2.3
BG160	160	0.9	1.25	2.0	405	225	175	115	130	2.3
BG180	180	0.9	1.25	2.0	525	295	225	150	130	3.8
BG200	200	0.9	1.25	2.0	525	295	225	150	130	4.0
BG225	225	0.9	1.50	2.0	590	325	270	160	130	4.6
BG250	250	0.9	1.50	2.0	650	350	300	175	130	5.2
BG275	275	0.9	1.50	2.0	705	380	325	190	130	6.4
BG300	300	0.9	1.50	2.0	755	400	345	205	130	6.5
BG315	315	0.9	1.50	2.0	785	420	365	210	130	7.0
BG350	350	0.9	1.50	2.0	885	450	435	200	130	7.6
BG400	400	0.9	1.50	2.0	960	500	460	250	130	8.8
BG450	450	0.9	1.50	2.0	1050	550	500	275	130	10.0
BG500	500	0.9	1.50	2.0	1160	600	550	300	130	11.5

Material

0.9mm galvanised steel with 2mm steel plate gate

Sizes

80mm to 300mm diameter

Operation

Manually operated





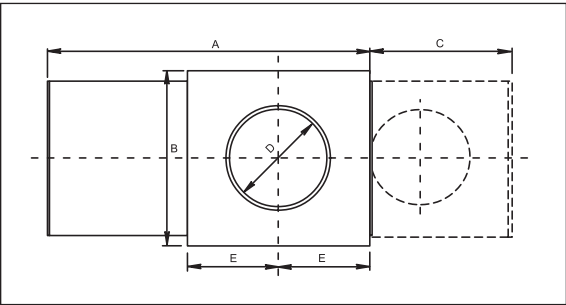
Material
0.9mm galvanised steel with 2mm
steel plate gate and flex connection

Sizes
80mm to 200mm diameter

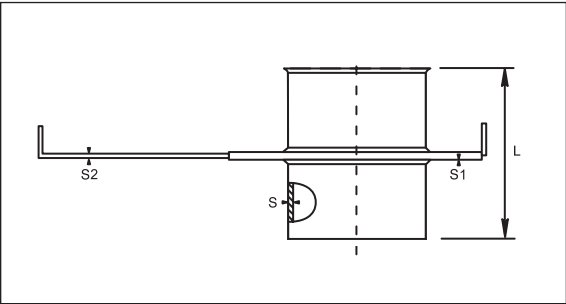
Operation
Manually operated

Standard Blast Gate Hosetail

Code BGHT



Description specifications of the diameter
(D) are given in the table below



Description specifications of the length
(L) are given in the table below

Dimensional Specifications

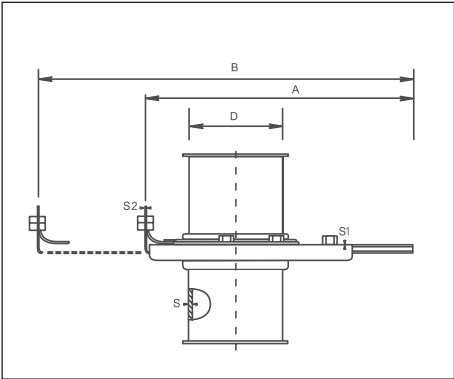
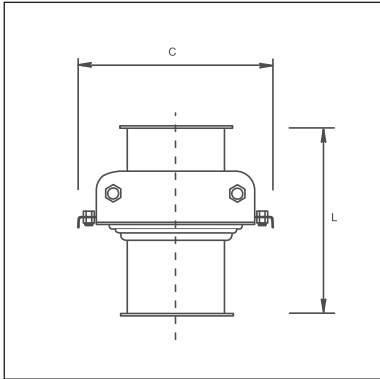
PRODUCT CODE	Inside diameter	Housing thickness	Gate thickness						Overall Length	Weight kg
	D mm	S mm	S1 mm	S2 mm	A mm	B mm	C mm	E mm	L mm	
BGHT80	80	0.9	1.25	2.0	225	145	105	75	130	1.1
BGHT100	100	0.9	1.25	2.0	340	185	150	95	130	1.6
BGHT125	125	0.9	1.25	2.0	340	185	150	95	130	1.8
BGHT150	150	0.9	1.25	2.0	405	225	175	115	130	2.3
BGHT200	200	0.9	1.25	2.0	525	295	225	150	130	4.0





Sealed Blast Gate

Code BGS (to 200mm diameter)



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	Inside	Housing	Gate					Overall	Weight kg
	diameter	thickness	thickness					Length	
	D	S	S1	S2	A	B	C	L	
	mm	mm	mm	mm	mm	mm	mm	mm	
BGS80	80	0.9	1.25	1.5	225	320	160	135	1.2
BGS100	100	0.9	1.25	1.5	265	380	190	135	1.5
BGS125	125	0.9	1.25	2.0	325	460	215	135	2.1
BGS140	140	0.9	1.25	2.0	375	540	240	135	2.9
BGS150	150	0.9	1.25	2.0	375	540	240	135	2.9
BGS160	160	0.9	1.25	2.0	405	585	250	135	3.2
BGS180	180	0.9	1.25	2.0	455	655	290	135	4.1
BGS200	200	0.9	1.25	2.0	485	705	300	135	4.4

Material
Galvanised steel, with steel plate gate and polyether PEHD gaskets

Sizes
80mm – 200mm

Operation
Manually operated





Material

Galvanised steel, with steel plate gate and polyether PEHD gaskets

Sizes

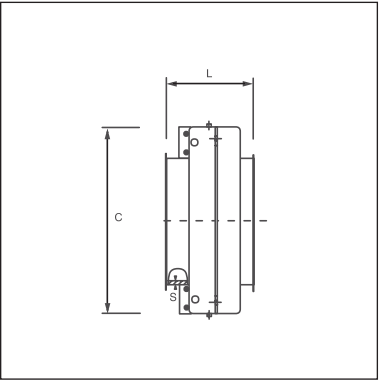
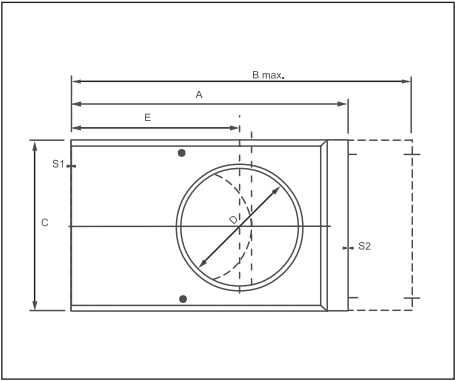
225mm to 400mm

Operation

Manually operated

Sealed Blast Gate

Code BGS (225mm – 400mm)



Dimensional Specifications

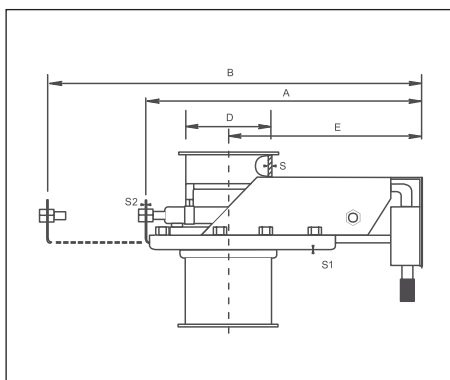
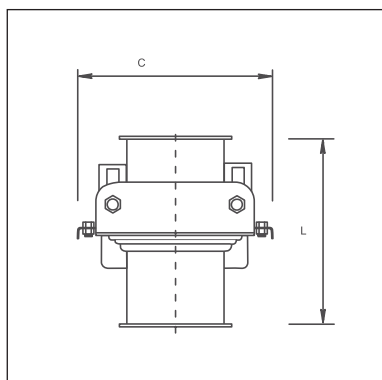
PRODUCT CODE	Inside	Housing		Gate			Overall			Weight kg
	diameter	thickness		thickness			Length			
	D mm	S mm	S1 mm	S2 mm	A mm	B max mm	C mm	L mm	E mm	
BGS225	225	1.5	1.5	2.5	580	830	360	190	390	11.0
BGS250	250	1.5	1.5	2.5	660	960	385	190	455	12.9
BGS275	275	2.0	2.0	3.0	680	980	410	190	465	17.8
BGS300	300	2.0	2.0	3.0	725	1045	435	190	495	18.9
BGS315	315	2.0	2.0	3.0	855	1255	485	190	600	25.1
BGS350	350	2.0	2.0	3.0	855	1255	485	190	600	23.3
BGS400	400	2.0	2.5	3.0	1005	1505	545	190	725	35.9
BGS450	450	2.0	2.5	3.0	1055	1555	595	190	750	39.6
BGS500	500	2.0	2.0	2.0	1140	1670	645	190	805	50.5





Pneumatic Blast Gate

Code BG(size)/SP



Dimensional specifications are given in the table below

Dimensional Specifications

PRODUCT CODE	D mm	A mm	B mm	C mm	E mm	F mm	Weight kg
BG80SP	80	125	160	225	55	250	3.0
BG100SP	100	125	180	265	55	290	3.3
BG125SP	125	125	205	315	55	340	4.0
BG150SP	150	125	230	365	55	390	5.0
BG200SP	200	125	280	465	55	490	6.2
BG225SP	225	165	345	565	77	585	11.3
BG250SP	250	165	370	565	77	585	13.5

Material

Zinc plated steel with flexible rubber gaskets and sealing rings

Sizes

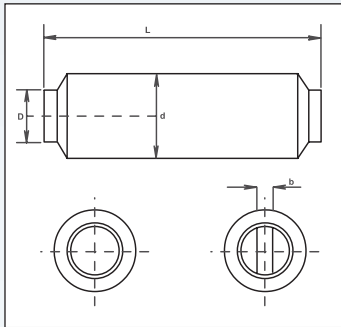
80mm to 250mm

Operation

Pneumatic, 5 to 8 bar

Normal working pressure 0.6mpa





without baffle with baffle

Specification for noise reduction in dB for different frequencies are covered in the adjoining table.

Material

0.9mm galvanised steel

Sizes

Available from 100mm to 1250mm

Ducting Silencers

Code DS

Code DSB with baffle plate

Noise Reduction Table

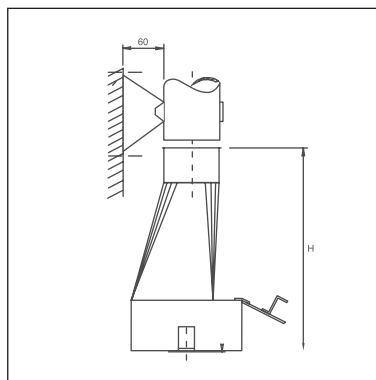
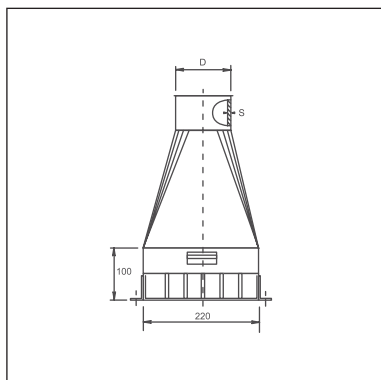
PRODUCT CODE	D mm	d mm	L mm	B mm	Hz 63	Hz 125	Hz 250	Hz 500	Hz 1000	Hz 2000	Hz 4000	Weight kg
DS100A	100	300	500		3	12	25	42	35	31	21	6
DS125A	125	325	500		3	9	19	32	26	23	15	6.5
DS150A	150	350	500		2	9	17	28	24	22	15	7
DS160A	160	360	500		2	8	16	26	22	20	13	8
DS180A	180	380	500		1	8	14	24	20	18	13	8.5
DS200A	200	400	500		1	7	13	22	18	16	11	9
DS200B	200	400	1000		3	13	25	42	35	31	21	17
DS225A	225	425	500		1	6	11	20	16	15	10	10
DS225B	225	425	1000		2	11	22	38	31	28	19	18
DS250B	250	450	1000		2	10	20	34	28	25	17	20
DSB250B	250	450	1000	100	7	16	27	47	50	43	38	25
DS275B	275	475	1000		2	10	19	32	26	22	16	21
DSB275B	275	475	1000	100	6	15	26	44	48	38	44	26
DS300B	300	500	1000		2	9	17	29	23	18	14	22
DSB300B	300	500	1000	100	6	13	25	41	46	33	50	28
DS315B	315	515	1000		2	8	16	27	21	17	11	24
DSB315	315	515	1000	100	5	12	22	39	44	31	27	30
DS350B	350	550	1000		2	7	14	24	18	15	9	26
DSB350B	350	550	1000	100	4	10	20	36	39	28	23	32
DS400B	400	600	1000		2	6	12	21	14	13	8	29
DSB400B	400	600	1000	100	4	9	18	31	35	25	20	36
DS450B	450	650	1000		3	6	11	19	11	11	6	32
DSB450B	450	650	1000	100	4	8	15	29	31	21	17	40
DS450C	450	650	2000		5	11	19	38	20	17	10	60
DSB450C	450	650	2000	100	7	14	28	50	50	37	32	73
DS500B	500	700	1000		4	6	11	19	8	8	4	37
DSB500B	500	700	1000	100	5	7	14	25	28	20	15	45
DS500C	500	700	2000		6	11	18	35	16	14	8	66
DSB500C	500	700	2000	100	8	13	25	47	50	37	30	80
DS550B	550	750	1000		3	5	10	17	8	7	4	38
DSB550B	550	750	1000	100	4	6	13	22	26	18	14	47
DS550C	550	750	2000		5	10	17	32	15	13	7	71
DSB550C	550	750	2000	100	7	12	23	42	50	35	27	86
DS600B	600	800	1000		3	5	9	15	7	6	3	42
DSB600B	600	800	1000	100	4	6	11	20	24	16	11	52
DS600C	600	800	2000		5	9	16	28	14	12	6	77
DSB600C	600	800	2000	100	7	11	20	38	46	32	21	93
DSB630B	630	830	1000	100	4	6	11	18	22	15	10	54
DSB630C	630	830	2000	100	7	11	20	34	42	30	20	97
DSB650B	650	850	1000	100	3	6	10	17	21	14	9	55
DSB650C	650	850	2000	100	5	11	19	31	41	27	17	100
DSB700B	700	900	1000	200	5	7	14	24	41	24	14	69
DSB700C	700	900	2000	200	8	14	26	45	42	46	27	123
DSB750B	750	950	1000	200	5	6	11	20	18	17	11	74
DSB750C	750	950	2000	200	8	12	21	38	36	33	20	131
DSB800B	800	1000	1000	200	4	6	11	19	17	16	10	79
DSB800C	800	1000	2000	200	7	12	21	36	34	30	19	139
DSB850B	850	1050	1000	200	3	5	10	17	16	15	9	84
DSB850C	850	1050	2000	200	5	11	19	32	32	29	18	147
DSB900B	900	1100	1000	200	3	5	10	15	15	14	9	89
DSB900C	900	1100	2000	200	5	11	18	30	30	27	17	155
DSB950B	950	1150	1000	200	3	5	9	14	14	13	8	94
DSB950C	950	1150	2000	200	5	10	17	27	27	25	16	164
DSB1000B	1000	1200	1000	200	3	5	9	14	13	13	8	99
DSB1000C	1000	1200	2000	200	5	10	17	26	25	24	15	172
DSB1250B	1250	1450	1000	200	2	4	7	11	11	10	5	126
DSB1250C	1250	1450	2000	200	4	7	13	20	21	19	11	214





Floor Sweeps

Code FS



Material

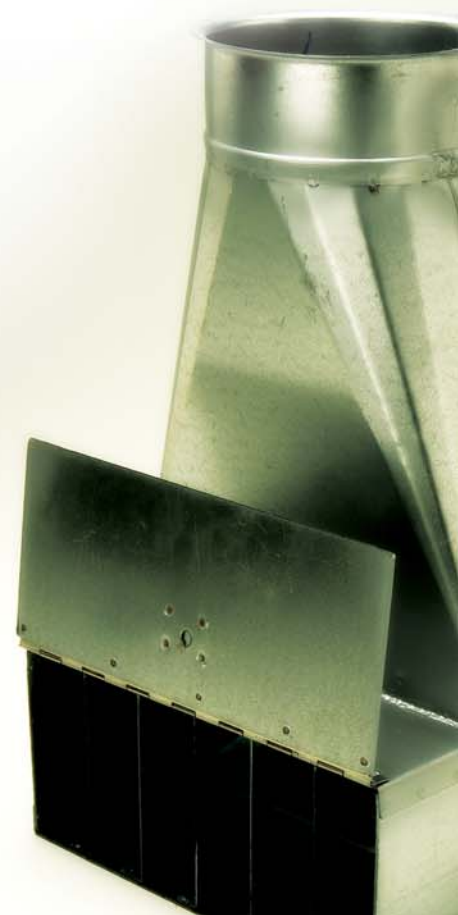
0.9mm galvanised steel
Supplied with grill

Sizes

Available in 100mm, 125mm and 150mm

Dimensional Specifications

PRODUCT CODE	Inside diameter D mm	Housing thickness S mm	Overall Height H mm	Weight kg
FS100	100	0.9	390	1.5
FS125	125	0.9	390	2.0
FS150	150	0.9	390	3.0





Material

0.9mm galvanised steel

Sizes

Manufactured to order

Lathe Hood Kits

Code *LHK*

Dimensional Specifications

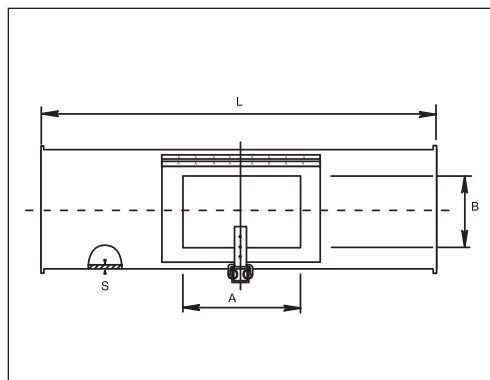
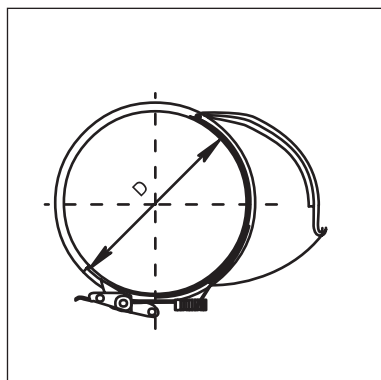
PRODUCT CODE	Inside diameter D mm	Housing thickness S mm	Overall Length L mm	Weight kg
LHK100SB	100	0.9	310	1.5
LHK100LB	100	0.9	310	1.5





Clean Out Doors

Code COD



Dimensional Specifications

PRODUCT CODE	D mm	S mm	L mm	B x A	Weight kg
COD80	80	0.90	500	80 x 150	0.80
COD100	100	0.90	500	100 x 150	1.0
COD125	125	0.90	500	100 x 150	1.25
COD150	150	0.90	500	100 x 150	1.50
COD160	160	0.90	500	100 x 150	1.60
COD180	180	0.90	500	100 x 150	1.75
COD200	200	0.90	500	100 x 150	2.00
COD225	225	0.90	500	100 x 150	2.25
COD250	250	0.90	500	100 x 150	2.50
COD300	300	0.90	500	100 x 150	2.85
COD315	315	0.90	500	100 x 150	3.00
COD350	350	0.90	500	150 x 200	3.25
COD400	400	0.90	500	150 x 200	4.50
COD450	450	0.90	500	150 x 200	5.15
COD500	500	0.90	500	150 x 200	5.70
COD550	550	0.90	500	150 x 200	6.25
COD600	600	0.90	500	150 x 200	6.80
COD630	630	0.90	500	150 x 200	7.20
COD650	650	0.90	500	150 x 200	7.50
COD700	700	0.90	500	150 x 200	8.00
COD750	750	0.90	500	150 x 200	8.50
COD800	800	1.0	500	150 x 200	10.00
COD850	850	1.0	500	150 x 200	10.75
COD900	900	1.0	500	150 x 200	11.50
COD950	950	1.0	500	150 x 200	12.25
COD1000	1000	1.0	500	150 x 200	13.00

Material

Galvanised steel

Sizes

Manufactured to order

Available from 80mm to 1000mm diameter





Material

Perspex with 0.9mm galvanised steel casing

Sizes

To order

Duct windows

Code DW



Duct Windows - Code DW

Material

0.9mm galvanised steel

Sizes

80mm to 200mm

Air Vents

Code AV



Air Vents Code AV

Dimensional Specifications

PRODUCT CODE	Inside diameter	Housing thickness	Overall Length	Weight
	D mm	S mm	L mm	kg
AV80	80	0.9	250	0.8
AV100	100	0.9	250	1.0
AV125	125	0.9	250	1.2
AV150	150	0.9	250	1.4
AV200	200	0.9	250	1.9





Jet Cap

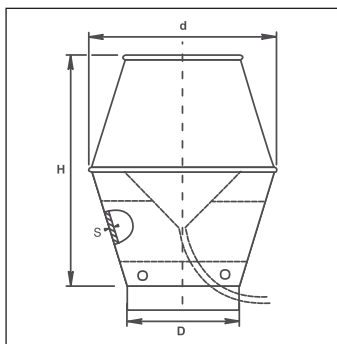
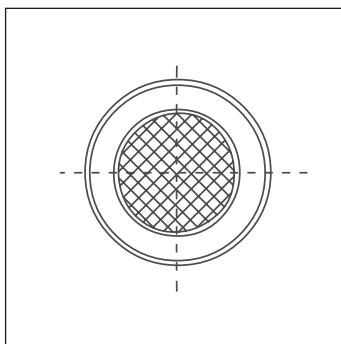
Code JC

Material

Galvanised steel
Fitted with bird mesh, cone and
water outlet

Sizes

80mm to 1000mm
Manufactured to order



Dimensional Specifications

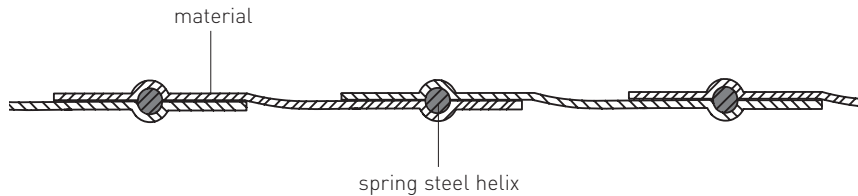
PRODUCT CODE	Diameter (D)mm	Diameter (d)mm	Height (H) mm	S mm	Weight kg
JC80	80	140	260	0.75	1.0
JC100	100	165	280	0.75	1.5
JC125	125	195	340	0.75	2.0
JC150	150	230	390	0.90	2.5
JC160	160	245	410	0.90	3.0
JC180	180	275	445	0.90	3.5
JC200	200	305	490	0.90	4.0
JC225	225	345	535	0.90	5.0
JC250	250	380	590	0.90	6.0
JC275	275	420	640	0.90	7.0
JC300	300	460	690	0.90	8.0
JC315	315	480	720	0.90	9.0
JC350	350	535	785	0.90	10.0
JC400	400	610	885	0.90	15.0
JC450	450	690	985	0.90	18.0
JC500	500	765	1095	0.90	24.0
JC550	550	840	1200	0.90	29.0
JC600	600	915	1300	0.90	32.0
JC630	630	960	1360	0.90	35.0
JC650	650	990	1390	0.90	37.0
JC700	700	1070	1505	1.25	58.5
JC750	750	1145	1595	1.25	67.0
JC800	800	1220	1695	1.25	75.5
JC850	850	1295	1795	1.25	86.0
JC900	900	1375	1900	1.25	96.0
JC950	950	1450	1975	1.25	105.0
JC1000	1000	1525	2000	1.25	117.0





PolyFlex Light

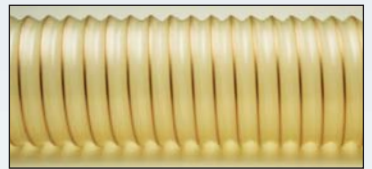
Light weight and very flexible polyurethane ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Wire mm	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
POLYFLEXLGH025	1.0	0.130	18	0.65	0.30
POLYFLEXLGH032	1.2	0.170	21	0.60	0.30
POLYFLEXLGH040	1.2	0.230	28	0.50	0.25
POLYFLEXLGH045	1.2	0.265	32	0.45	0.25
POLYFLEXLGH052	1.2	0.300	35	0.40	0.20
POLYFLEXLGH060	1.2	0.340	42	0.40	0.16
POLYFLEXLGH063	1.2	0.342	42	0.40	0.16
POLYFLEXLGH065	1.2	0.342	42	0.40	0.16
POLYFLEXLGH070	1.2	0.400	49	0.35	0.14
POLYFLEXLGH076	1.2	0.430	53	0.30	0.10
POLYFLEXLGH082	1.2	0.460	56	0.28	0.10
POLYFLEXLGH090	1.2	0.485	63	0.29	0.10
POLYFLEXLGH102	1.6	0.510	70	0.20	0.09
POLYFLEXLGH115	1.6	0.600	85	0.20	0.08
POLYFLEXLGH120	1.6	0.600	85	0.20	0.08
POLYFLEXLGH127	1.6	0.650	88	0.20	0.08
POLYFLEXLGH140	1.6	0.710	95	0.15	0.06
POLYFLEXLGH152	1.6	0.780	105	0.10	0.06
POLYFLEXLGH160	1.6	0.806	109	0.12	0.06
POLYFLEXLGH180	1.6	0.901	123	0.09	0.05
POLYFLEXLGH203	2.0	1.050	140	0.08	0.05
POLYFLEXLGH229	2.0	1.150	158	0.07	0.05
POLYFLEXLGH254	2.0	1.250	175	0.05	0.04
POLYFLEXLGH279	2.0	1.400	193	0.04	0.04
POLYFLEXLGH305	2.0	1.550	210	0.03	0.03
POLYFLEXLGH356	2.0	1.800	245	0.02	0.02
POLYFLEXLGH406	2.0	2.100	280	0.02	0.02
POLYFLEXLGH457	2.0	2.350	315	0.01	0.01
POLYFLEXLGH508	2.0	2.620	350	0.01	0.01



Material

Polyester-polyurethane

Wall Thickness

0.4mm

Colour

Clear

Single Length

10m rolls / cut lengths to order

Temperature Resistance

- 40° up to + 100° C

Superior Technology

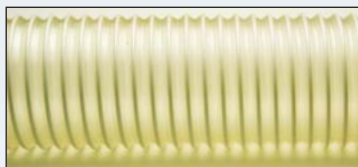
PolyFlex Light contains a unique organic compound which is added to the Polyurethane and attracts air borne moisture to create a continuous circuit that removes static build up as product moves through the duct. PolyFlex Light does not lose its antistatic properties as it wears, and the helix does not require grounding.

Applications

Suction of air, dusts, oil and petrol fumes

Properties

- antistatic @ < 10⁸ ohms
- excellent flexibility
- good abrasion resistance
- good compressibility
- excellent resistance to oil and petrol fumes

**Material**

Polyester-polyurethane

Wall Thickness

25mm to 99mm = 0.5mm
 100mm to 500mm = 0.6mm

Colour

Clear

Single Length

10m rolls / cut lengths to order

Temperature Resistance

– 40° up to + 100° C

Superior Technology

PolyFlex contains a unique organic compound which is added to the Polyurethane and attracts air borne moisture to create a continuous circuit that removes static build up as product moves through the duct. PolyFlex does not lose its antistatic properties as it wears and the helix does not require grounding.

Applications

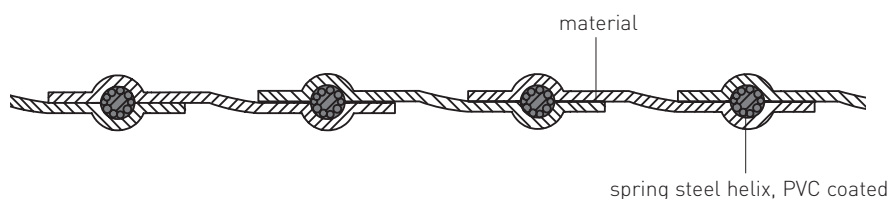
Suction of air, dusts, oil and petrol fumes

Properties

- antistatic @ < 10⁸ ohms
- excellent flexibility
- good abrasion resistance
- good compressibility
- excellent resistance to oil and petrol fumes



PolyFlex

Medium weight and very flexible polyurethane ducting

Technical Data

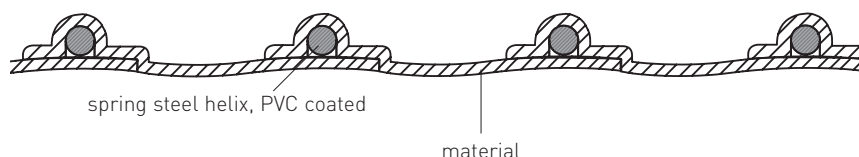
Further diameters available upon request.
 Technical data are based on +20°C.

PRODUCT CODE	Wire mm	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
POLYFLEX020	1.0 / 1.5	0.110	20	1.80	0.45
POLYFLEX025	1.0 / 1.5	0.160	25	1.65	0.40
POLYFLEX032	1.0 / 1.5	0.180	30	1.50	0.35
POLYFLEX040	1.0 / 1.5	0.220	40	1.40	0.30
POLYFLEX045	1.0 / 1.5	0.245	45	1.35	0.29
POLYFLEX052	1.0 / 1.5	0.270	50	1.30	0.28
POLYFLEX060	1.5 / 1.9	0.470	60	1.10	0.25
POLYFLEX063	1.5 / 1.9	0.474	63	1.10	0.25
POLYFLEX065	1.5 / 1.9	0.474	63	1.10	0.25
POLYFLEX066	1.5 / 1.9	0.474	63	1.10	0.25
POLYFLEX070	1.5 / 1.9	0.530	70	0.90	0.22
POLYFLEX076	1.5 / 1.9	0.590	75	0.80	0.20
POLYFLEX082	1.5 / 1.9	0.650	80	0.70	0.18
POLYFLEX090	1.5 / 1.9	0.720	90	0.65	0.165
POLYFLEX102	1.8 / 2.2	0.790	100	0.60	0.15
POLYFLEX120	1.8 / 2.2	0.850	120	0.50	0.15
POLYFLEX127	1.8 / 2.2	0.980	125	0.40	0.12
POLYFLEX140	1.8 / 2.2	1.050	140	0.30	0.12
POLYFLEX152	1.8 / 2.2	1.180	150	0.25	0.10
POLYFLEX160	1.8 / 2.2	1.272	160	0.25	0.10
POLYFLEX170	1.8 / 2.2	1.364	170	0.25	0.10
POLYFLEX180	1.8 / 2.2	1.456	180	0.25	0.10
POLYFLEX203	2.0 / 2.5	1.670	200	0.20	0.09
POLYFLEX229	2.0 / 2.5	1.880	225	0.20	0.09
POLYFLEX254	2.0 / 2.5	2.050	250	0.15	0.06
POLYFLEX279	2.0 / 2.5	2.250	275	0.13	0.06
POLYFLEX305	2.2 / 2.7	2.450	300	0.12	0.06
POLYFLEX330	2.2 / 2.7	2.650	325	0.11	0.05
POLYFLEX356	2.2 / 2.7	2.850	350	0.10	0.04
POLYFLEX406	2.2 / 2.7	3.250	400	0.08	0.02



PolyFlex Heavy

Heavy weight and flexible Polyurethane ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Wire mm	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
POLYFLEXHVY032	1.0 / 1.5	0.250	45	2.10	0.50
POLYFLEXHVY040	1.5 / 1.9	0.350	60	2.00	0.45
POLYFLEXHVY052	1.5 / 1.9	0.440	75	1.80	0.40
POLYFLEXHVY063	1.5 / 1.9	0.525	90	1.60	0.35
POLYFLEXHVY076	1.5 / 1.9	0.612	105	1.50	0.35
POLYFLEXHVY082	1.5 / 1.9	0.670	120	1.20	0.30
POLYFLEXHVY102	1.8 / 2.2	1.020	150	1.00	0.30
POLYFLEXHVY115	1.8 / 2.2	1.150	180	0.08	0.25
POLYFLEXHVY120	1.8 / 2.2	1.220	180	0.80	0.25
POLYFLEXHVY127	1.8 / 2.2	1.280	185	0.75	0.25
POLYFLEXHVY140	1.8 / 2.2	1.400	210	0.60	0.20
POLYFLEXHVY152	1.8 / 2.2	1.460	225	0.50	0.20
POLYFLEXHVY160	1.8 / 2.2	1.550	235	0.50	0.20
POLYFLEXHVY180	1.8 / 2.2	1.697	260	0.45	0.15
POLYFLEXHVY203	1.8 / 2.2	1.940	300	0.35	0.12
POLYFLEXHVY229	1.8 / 2.2	2.550	338	0.30	0.11
POLYFLEXHVY254	3.0 / 3.5	3.150	375	0.25	0.10
POLYFLEXHVY275	3.0 / 3.5	3.465	413	0.23	0.10
POLYFLEXHVY305	3.0 / 3.5	3.780	450	0.20	0.09
POLYFLEXHVY356	3.0 / 3.5	4.410	525	0.15	0.09
POLYFLEXHVY406	3.0 / 3.5	5.050	600	0.10	0.08
POLYFLEXHVY450	3.0 / 3.5	6.710	675	0.08	0.06
POLYFLEXHVY457	3.0 / 3.5	6.710	675	0.08	0.06



Material

Polyester-polyurethane

Wall Thickness

25mm – 39mm = 0.8mm
40mm – 99mm = 1.0mm
100mm – 139mm = 1.15mm
140mm – 210mm = 1.2mm
215mm – 500mm = 1.4mm

Colour

Clear

Single Length

10m rolls / cut lengths to order

Temperature Resistance

– 40° up to + 100° C

Superior Technology

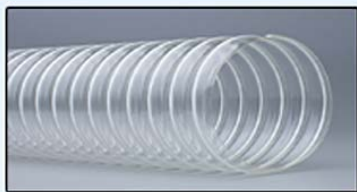
PolyFlex Heavy contains a unique organic compound which is added to the Polyurethane and attracts air borne moisture to create a continuous circuit that removes static build up as product moves through the duct. PolyFlex Heavy does not lose its antistatic properties as it wears and the helix does not require grounding.

Applications

Suction of abrasive materials and transport of granules

Properties

- antistatic @ < 10⁸ ohms
- solid construction
- good oil resistance
- excellent abrasion resistance
- smooth bore

**Material**

Polyether-Polyurethane

Wall Thickness

80mm to 140mm = 0.65mm

160mm to 500mm = 0.80mm

Colour

Clear

Single Length

10m rolls / can cut length to order

Temperature Resistance

- 40°C up to + 100°C

Application

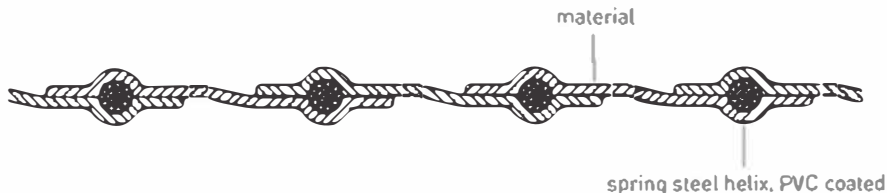
Suction of dust and particles in woodworking industries, especially used on CNC processing centres.

Properties

- Flame retardant according to DIN 4102 B1
- Resistant to hydrolysis and microbes
- Good abrasion resistance
- Excellent flexibility
- Resistant to oil and greases
- Free of halogen and softeners
- Electrically conductive according to BGI 739-2 by grounding the wire



CncFlex

Medium weight and very flexible polyurethane ducting

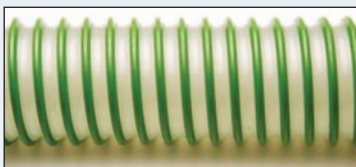
Technical Data

Further diameters available upon request.

Technical data are based on +20°C.

PRODUCT CODE	Internal Diameter	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
CNCFLEX80	82mm	0.65	80	0.35	0.20
CNCFLEX100	102mm	0.80	100	0.30	0.15
CNCFLEX120	127mm	0.95	120	0.30	0.12
CNCFLEX140	140mm	1.11	140	0.20	0.10
CNCFLEX160	160mm	1.79	160	0.20	0.08
CNCFLEX180	180mm	2.00	180	0.15	0.07
CNCFLEX200	203mm	2.22	200	0.15	0.05
CNCFLEX250	254mm	2.76	250	0.10	0.04
CNCFLEX300	300mm	3.30	300	0.05	0.03
CNCFLEX325	325mm	3.57	325	0.03	0.03
CNCFLEX350	356mm	3.84	350	0.02	0.02
CNCFLEX400	406mm	4.38	400	0.02	0.02
CNCFLEX450	456mm	4.92	450	0.01	0.01
CNCFLEX500	508mm	5.46	500	0.01	0.01



**Material**

Polyurethane
thickness 1.4mm

Wall Thickness

1.4mm

Colour

Clear with a green helix

Single Length

10m rolls / cut lengths to order

Temperature Resistance

- 40° up to + 100° C

Superior Technology

GranuFlex contains a unique organic compound which is added to the Polyurethane and attracts airborne moisture to create a continuous circuit that removes static build up as product moves through the duct. GranuFlex does not lose its antistatic properties as it wears and the helix does not require grounding

Applications

Suction and discharging of abrasive materials, especially in the grain and plastics industries

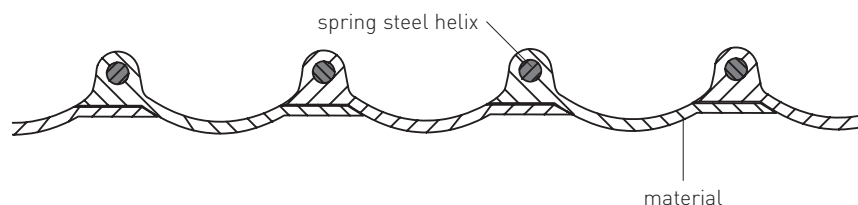
Properties

- antistatic @ < 10⁸ ohms
- very smooth bore
- excellent abrasion resistance
- resistant to oil and petrols
- non toxic
- free of halogen and softeners



GranuFlex

Heavy weight and flexible polyurethane ducting



Technical Data

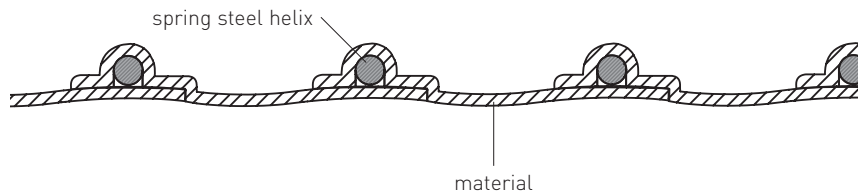
Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
GRANUFLEX040	0.56	60	2.3	0.70
GRANUFLEX050	0.67	75	1.9	0.60
GRANUFLEX060	0.79	90	1.8	0.55
GRANUFLEX100	1.36	150	1.1	0.40
GRANUFLEX150	1.82	225	0.7	0.20



FoodFlex

Medium weight and flexible Polyurethane food grade ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Wire mm	Weight kg / m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
FOODFLEX020	1.0 / 1.5	0.110	20	1.80	0.45
FOODFLEX025	1.0 / 1.5	0.160	25	1.65	0.40
FOODFLEX032	1.0 / 1.5	0.180	30	1.50	0.35
FOODFLEX040	1.0 / 1.5	0.220	40	1.40	0.30
FOODFLEX045	1.0 / 1.5	0.245	45	1.35	0.29
FOODFLEX052	1.0 / 1.5	0.270	50	1.30	0.28
FOODFLEX063	1.5 / 1.9	0.474	63	1.10	0.25
FOODFLEX076	1.5 / 1.9	0.590	75	0.80	0.20
FOODFLEX082	1.5 / 1.9	0.650	80	0.70	0.18
FOODFLEX102	1.8 / 2.2	0.790	100	0.60	0.15
FOODFLEX127	1.8 / 2.2	0.980	125	0.40	0.12
FOODFLEX152	1.8 / 2.2	1.180	150	0.25	0.10
FOODFLEX203	2.0 / 2.5	1.670	200	0.20	0.09
FOODFLEX254	2.0 / 2.5	2.050	250	0.15	0.06



Material

Polyester-polyurethane

Wall Thickness

25mm – 99mm = 0.5mm

100mm – 500mm = 0.6mm

Colour

Clear

Single Length

10m rolls / cut lengths to order

Temperature Resistance

– 40° up to + 100° C

Superior Technology

FoodFlex contains an organic compound which is resistant to mould, fungus microbes and hydrolysis. Being built into the product it continues to perform even as the wall deteriorates during use, unlike others with a simple coating of inhibitors.

Applications

Suction and transport of light weight materials in food and pharmaceutical industries

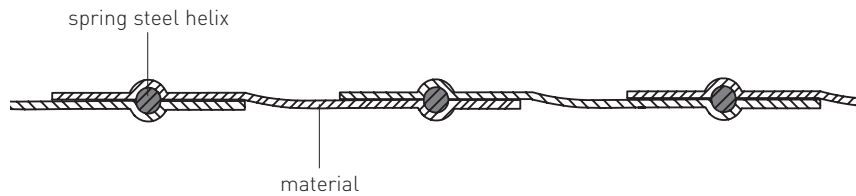
Properties

- resistant to hydrolysis and microbes
- solid construction
- good oil resistance
- excellent abrasion resistance
- smooth bore



ClearFlex

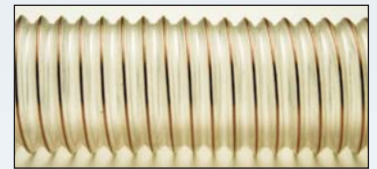
Light weight and very flexible PVC ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Wire mm	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
CLEARFLEX025	1.0	0.134	16	0.40	0.20
CLEARFLEX032	1.2	0.171	21	0.40	0.20
CLEARFLEX040	1.2	0.228	28	0.40	0.18
CLEARFLEX045	1.2	0.257	32	0.40	0.18
CLEARFLEX052	1.2	0.285	35	0.35	0.15
CLEARFLEX060	1.2	0.342	42	0.35	0.14
CLEARFLEX063	1.2	0.342	42	0.35	0.14
CLEARFLEX076	1.2	0.427	53	0.30	0.10
CLEARFLEX082	1.2	0.456	56	0.25	0.09
CLEARFLEX090	1.2	0.519	63	0.23	0.09
CLEARFLEX102	1.6	0.581	70	0.20	0.08
CLEARFLEX115	1.6	0.653	79	0.18	0.07
CLEARFLEX127	1.6	0.726	88	0.15	0.06
CLEARFLEX152	1.6	0.871	105	0.08	0.05
CLEARFLEX180	1.6	1.017	123	0.06	0.04
CLEARFLEX203	2.0	1.178	140	0.05	0.03
CLEARFLEX229	2.0	1.326	158	0.05	0.03
CLEARFLEX254	2.0	1.473	175	0.04	0.03
CLEARFLEX305	2.0	1.767	210	0.03	0.02
CLEARFLEX356	2.0	2.062	245	0.02	0.02
CLEARFLEX406	2.0	2.356	280	0.02	0.01
CLEARFLEX425	2.0	2.504	297	0.02	0.01
CLEARFLEX457	2.0	2.651	315	0.01	0.01
CLEARFLEX508	2.0	2.945	350	0.01	0.01



Material

Polyvinyl Chloride (PVC)

Wall Thickness

0.4mm

Colour

Clear

Single Length

10m rolls / cut lengths to order

Temperature Resistance

0° up to + 70° C

Applications

Suction of air, fumes and light dusts

Properties

- excellent flexibility
- good compressibility





Material

Polyvinyl Chloride (PVC)

Wall Thickness

13mm to 99mm diameter - 0.5mm
100mm to 400mm diameter - 0.6mm

Colour

Clear

Single Length

10m rolls / cut lengths to order

Temperature Resistance

0° up to + 70° C

Applications

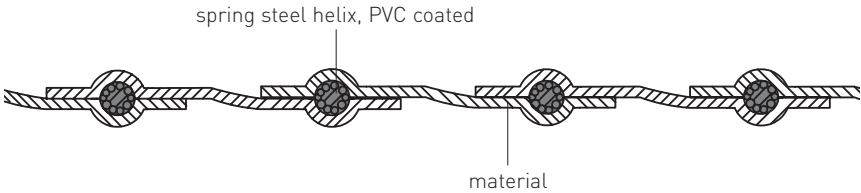
Low pressure air, fume and dust
handling and cable conduit

Properties

- high flexibility
- smooth bore

ClearFlex Heavy

Medium weight and flexible PVC ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
CLEARFLEXHVV020	0.110	20	1.90	0.55
CLEARFLEXHVV025	0.170	25	1.70	0.45
CLEARFLEXHVV040	0.240	40	1.40	0.30
CLEARFLEXHVV045	0.265	45	1.35	0.29
CLEARFLEXHVV052	0.290	50	1.30	0.28
CLEARFLEXHVV063	0.460	62	1.05	0.24
CLEARFLEXHVV076	0.630	75	0.80	0.20
CLEARFLEXHVV082	0.700	80	0.70	0.18
CLEARFLEXHVV090	0.750	90	0.65	0.17
CLEARFLEXHVV102	0.790	100	0.60	0.15
CLEARFLEXHVV110	0.890	113	0.50	0.13
CLEARFLEXHVV127	0.980	125	0.40	0.12
CLEARFLEXHVV152	1.180	150	0.25	0.10
CLEARFLEXHVV180	1.435	175	0.23	0.10
CLEARFLEXHVV203	1.690	200	0.20	0.09
CLEARFLEXHVV254	2.100	250	0.15	0.08
CLEARFLEXHVV305	2.520	300	0.12	0.06
CLEARFLEXHVV356	2.930	350	0.10	0.06

**Material:**

Soft- PVC wall and rigid PVC helix.

Color:

Transparent wall, red helix

Temperature:

0°C up to + 60°C

Applications:

Delivery and suction of liquids for food industries, milk, fruit juices, water, wine, beer, alcoholic beverages (up to max. 50% vol.)

Characteristics:

Smooth inside, transparent wall, food grade PVC according to actual EU regulations and phthalate free, strong construction, good flexibility.

Other:

LiquiFlex SAF SPH: good flexibility even at low temperatures

LiquiFlex Super: heavy construction



LiquiFlex

Eximo Liquiflex the one hose for all liquid transfer needs.

Liquiflex has high resistance to Internal pressure, which means one hose for numerous diverse applications including a number in the food and beverage industry. Crush Resistant it can withstand extremes of temperature, hot and cold. Liquiflex is clear food grade PVC with a red anti-shock PVC Reinforced Helix.

Technical Data

Further diameters available upon request.

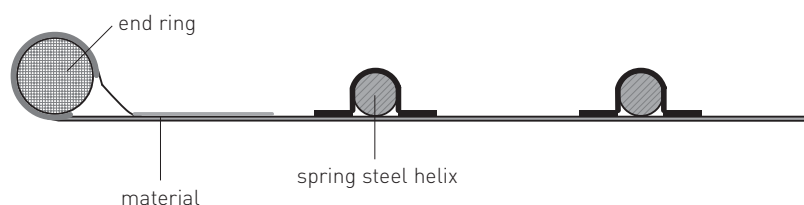
Technical data are based on +20°C.

Code	Dia - ID mm	Dia - OD mm	Weight kg/m	Bend Radius mm	Max Work press Bar	Max Vacuum Bar
LiquiFlex035	35	43.0	0.60	225	9.00	0.90
LiquiFlex038	38	48.6	0.76	260	9.00	0.90
LiquiFlex040	40	50.6	0.76	260	9.00	0.90
LiquiFlex050	50	59.0	1.05	270	8.00	0.90
LiquiFlex060	60	69.4	1.24	300	8.00	0.85
LiquiFlex063	63	72.4	1.24	300	8.00	0.85
LiquiFlex070	70	80.2	1.65	380	7.00	0.85
LiquiFlex080	80	92.0	1.88	400	7.00	0.85
LiquiFlex090	90	103.0	2.20	450	5.00	0.85
LiquiFlex100	100	114.0	2.80	500	4.00	0.85
LiquiFlex120	120	136.0	3.60	600	4.00	0.80
LiquiFlex150	150	168.0	5.13	750	3.00	0.80



TempVent

Light weight flexible PVC ventilation ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
TEMPVENT203EY10	1.200	140	0.550	0.05
TEMPVENT203EY12	1.200	140	0.550	0.05
TEMPVENT203EY3	1.200	140	0.550	0.05
TEMPVENT203EY6	1.200	140	0.550	0.05
TEMPVENT305CY10	1.440	210	0.350	0.03
TEMPVENT305CY5	1.440	210	0.350	0.03
TEMPVENT305ECY3	1.440	210	0.350	0.03
TEMPVENT305EY10	1.440	210	0.350	0.03
TEMPVENT305EY5	1.440	210	0.350	0.03
TEMPVENT456CY10	2.675	315	0.225	0.03
TEMPVENT456CY5	2.675	315	0.225	0.03
TEMPVENT456EY10	2.675	315	0.225	0.03
TEMPVENT456EY5	2.675	315	0.225	0.03
TEMPVENT508CY10	3.300	350	0.200	0.03
TEMPVENT508CY5	3.300	350	0.200	0.03
TEMPVENT508EY10	3.300	350	0.200	0.03
TEMPVENT508EY5	3.300	350	0.200	0.03

Antistatic

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
TEMPVENT305CB10	1.440	210	0.350	0.03
TEMPVENT305CB5	1.440	210	0.350	0.03
TEMPVENT305EB10	1.440	210	0.350	0.03
TEMPVENT305EB5	1.440	210	0.350	0.03
TEMPVENT456CB10	2.675	315	0.225	0.03
TEMPVENT456CB5	2.675	315	0.225	0.03
TEMPVENT456EB10	2.675	315	0.225	0.03
TEMPVENT456EB5	2.675	315	0.225	0.03
TEMPVENT508CB10	3.300	350	0.200	0.03
TEMPVENT508CB5	3.300	350	0.200	0.03
TEMPVENT508EB10	3.300	350	0.200	0.03
TEMPVENT508EB5	3.300	350	0.200	0.03



Material

PVC-coated-polyester fabric

Wall Thickness

0.6mm

Colour

Safety yellow

Single Length

3, 5, 6, 10 & 12m

Temperature Resistance

- 40° up to + 80° C

Applications

Air-conditioning and ventilation in heavy duty environments
cooling and heating of tents
suction of dust and solvent fumes

Available variants

Available in combinations of cuff ends for fixing to spigots and end rings for joining individual lengths with quick release clamps

Properties

- good flexibility
- flame retardant
- good compressibility
- outer wearstrip profile



Antistatic

**Material**

Reinforced PVC

Colour

White / other colours to order

Length

15, 25, 50m standard, other lengths available on order up to 100m

Temperature Resistance

– 0° up to + 50° C

Applications

Forced ventilation in mining and tunnelling

Available variants

Comes with suspension strip, hooks and wires available with cuff couplings or end rings

Properties

- antistatic
- light weight
- flame retardant
- rot resistant



TempVent LayFlat

Antistatic, flame retardant, layflat ducting

Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Max work Pressure bar
TEMPFLAT305CB10	0.350
TEMPFLAT305CB5	0.350
TEMPFLAT305EB10	0.350
TEMPFLAT305EB5	0.350
TEMPFLAT456CB10	0.225
TEMPFLAT456CB5	0.225
TEMPFLAT456EB10	0.225
TEMPFLAT456EB5	0.225
TEMPFLAT508CB10	0.200
TEMPFLAT508CB5	0.200
TEMPFLAT508EB10	0.200
TEMPFLAT508EB5	0.200

Antistatic

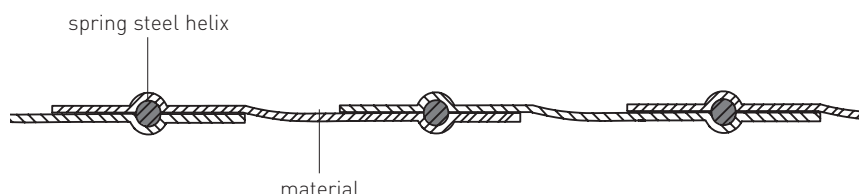
PRODUCT CODE	Max work Pressure bar
TEMPFLAT305CB10	0.350
TEMPFLAT305CB5	0.350
TEMPFLAT305EB10	0.350
TEMPFLAT305EB5	0.350
TEMPFLAT456CB10	0.225
TEMPFLAT456CB5	0.225
TEMPFLAT456EB10	0.225
TEMPFLAT456EB5	0.225
TEMPFLAT508CB10	0.200
TEMPFLAT508CB5	0.200
TEMPFLAT508EB10	0.200
TEMPFLAT508EB5	0.200





SunFlex

UV resistant light weight and very flexible thermoplastic rubber ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
SUNFLEX025	0.090	25	0.45	0.20
SUNFLEX032	0.140	30	0.40	0.20
SUNFLEX040	0.160	40	0.35	0.15
SUNFLEX052	0.210	50	0.35	0.10
SUNFLEX060	0.250	60	0.35	0.08
SUNFLEX063	0.250	63	0.35	0.08
SUNFLEX076	0.310	75	0.20	0.07
SUNFLEX082	0.330	80	0.20	0.06
SUNFLEX090	0.445	90	0.20	0.06
SUNFLEX102	0.560	100	0.15	0.05
SUNFLEX127	0.700	125	0.13	0.04
SUNFLEX140	0.730	140	0.12	0.04
SUNFLEX152	0.680	150	0.11	0.04
SUNFLEX180	0.820	180	0.09	0.03
SUNFLEX203	1.270	200	0.08	0.02
SUNFLEX254	1.600	250	0.07	0.02
SUNFLEX305	1.450	300	0.05	0.01
SUNFLEX356	1.550	350	0.04	0.01
SUNFLEX406	1.780	400	0.04	0.01
SUNFLEX457	2.000	450	0.03	0.01
SUNFLEX508	2.250	500	0.03	0.01



Material

Thermoplastic rubber

Wall Thickness

0.4mm

Colour

Black

Single Length

10m rolls / cut lengths to order

Temperature Resistance

- 40° up to + 150° C

Applications

Suction of chemical fumes and gases
even under mechanical influence

Properties

- very good chemical resistance to fumes of acids and solvents
- UV and ozone resistant
- rot proofed
- withstands severe flexing



Material

Thermoplastic rubber coated-polyester fabric

Wall Thickness

0.4mm

Colour

Black

Single Length

10m rolls / cut lengths to order

Temperature Resistance

- 40° up to + 150° C

Applications

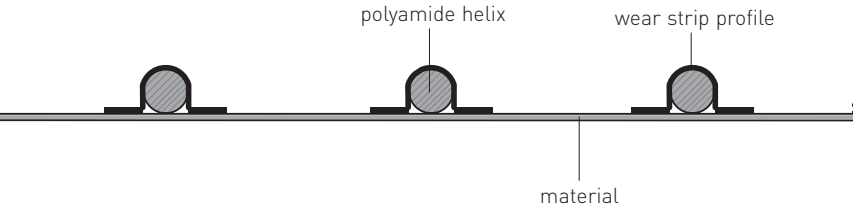
Suction of exhaust fumes, chemical fumes and gases even under mechanical influence

Properties

- very good chemical resistance to fumes of acids and solvents UV and ozone resistant
- rot proofed
- withstands severe flexing
- compatible with over floor reel systems
- fully crush recoverable

ExFlex

light weight and very flexible THERMOPLASTIC RUBBER ducting



Technical Data

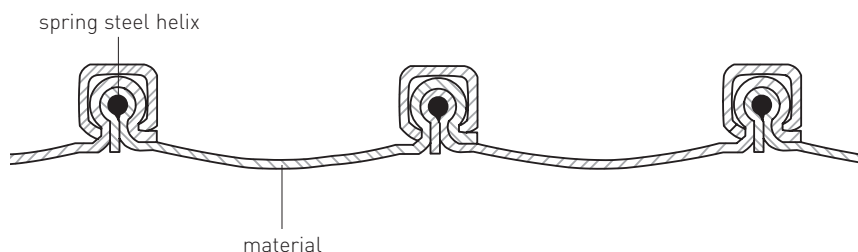
Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
EXFLEX052	4.0	85	0.41	0.50
EXFLEX063	4.0	100	0.53	0.35
EXFLEX076	4.5	105	0.69	0.15
EXFLEX102	4.5	190	0.87	0.10
EXFLEX127	5.0	250	1.20	0.08
EXFLEX152	5.0	300	1.44	0.06



WeldFlex

Light weight and very flexible PVC ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
WELDFLEX052	0.45	31	0.52	0.15
WELDFLEX063	0.48	37	0.49	0.14
WELDFLEX076	0.51	45	0.47	0.14
WELDFLEX082	0.52	48	0.43	0.11
WELDFLEX102	0.55	60	0.3	0.08
WELDFLEX127	0.64	75	0.21	0.05
WELDFLEX152	0.71	90	0.16	0.04
WELDFLEX160	0.75	96	0.14	0.03
WELDFLEX180	0.785	108	0.12	0.03
WELDFLEX203	0.82	120	0.1	0.02
WELDFLEX254	0.99	175	0.07	0.01
WELDFLEX305	1.25	210	0.05	0.01
WELDFLEX356	1.51	245	0.05	0.01
WELDFLEX406	1.77	280	0.04	0.01
WELDFLEX508	2.29	350	0.02	0.01



Material

PVC-coated-polyester fabric

Wall Thickness

0.2mm

Colour

Grey

Single Length

10m rolls / cut lengths to order

Temperature Resistance

- 30° up to + 100° C

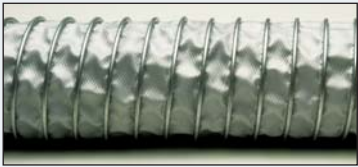
Applications

Air-conditioning
suction of air, welding fumes and
light dusts

Properties

- abrasion resistant outer helix
- *Available in* flame retardant according to DIN-4102
- good compressibility





Material
Silicone coated glass fabric

Wall Thickness
0.4mm

Colour
Silver-grey

Single Length
10m rolls / cut lengths to order

Temperature Resistance
- 60° C to + 300° C.

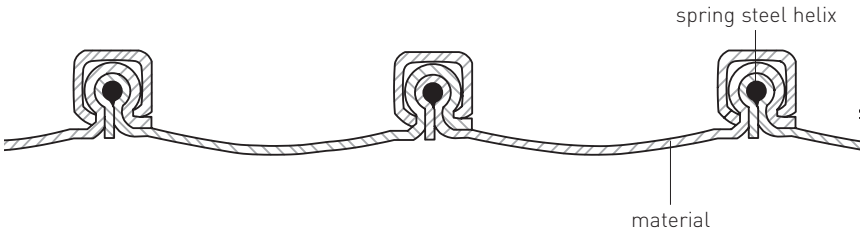
Applications
Suction of hot fumes, gases or dusts
in all fields of industry

- Properties**
- excellent temperature resistance
 - flame retardant
 - abrasion resistance outer helix
 - excellent axial compressibility



HotFlex

Light weight and very flexible silicone ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

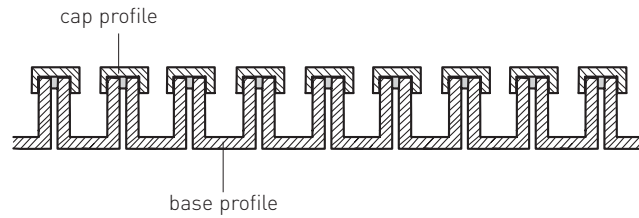
PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
HOTFLEX052	0.40	30	0.85	0.32
HOTFLEX063	0.50	37	0.49	0.15
HOTFLEX076	0.60	45	0.47	0.14
HOTFLEX1020	0.65	60	0.30	0.08
HOTFLEX127	0.80	75	0.21	0.05
HOTFLEX152	0.90	90	0.16	0.04
HOTFLEX180	1.00	108	0.12	0.02
HOTFLEX203	1.21	120	0.10	0.02
HOTFLEX254	1.70	175	0.07	0.01
HOTFLEX305	2.13	210	0.05	0.01
HOTFLEX406	3.10	280	0.03	0.01





YellowBelly

Light weight and flexible high vacuum polyethylene ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
YELLOWBELLY052	0.68	76	1.00	0.85
YELLOWBELLY063	0.85	95	0.66	0.85
YELLOWBELLY076	0.97	114	0.47	0.85
YELLOWBELLY102	1.91	152	0.33	0.85
YELLOWBELLY152	2.80	304	0.33	0.85



Material
Polyethylene

Colour
Yellow-black

Single Length
20m rolls other lengths available on order

Temperature Resistance
- 40° up to + 60° C

Applications
Suction and conveyance of liquids and materials especially in sanitary, sewer pumping and heavy duty industrial

Connectors
A full range of camlocks and bauer couplings available

Properties

- fully crush recoverable
- excellent chemical resistance
- light weight
- good flexibility
- good compressibility
- outer wearstrip profile.



**Material**

Polyethylene

Colour

Black

Single Length

10m rolls other lengths available on order

Temperature Resistance

- 40° up to + 60° C

Applications

Suction and conveyance of liquids and dry materials especially in heavy duty industrial

Connectors

A full range of camlocks and bauer couplings available

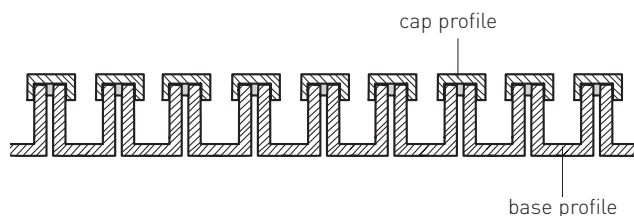
Properties

- antistatic @ $< 10^{-3}$ ohms
- fully crush recoverable
- excellent chemical resistance
- light weight
- good flexibility
- good compressibility
- outer wearstrip profile



YellowBelly No-Bite

Light weight and flexible high vacuum antistatic polyethylene ducting



Technical Data

Further diameters available upon request.
Technical data are based on +20°C.

PRODUCT CODE	Weight kg/m	Bend Rad mm	Max work Pressure bar	Max Vacuum bar
YELLOWBELLYNB052	0.68	76	1.00	0.85
YELLOWBELLYNB063	0.85	95	0.66	0.85
YELLOWBELLYNB076	0.97	114	0.47	0.85
YELLOWBELLYNB102	1.91	152	0.33	0.85
YELLOWBELLYNB152	2.80	304	0.33	0.85



5 Bremen Drive, Salisbury South 5106 SA.
08 8281 1211
Fax: 08 8281 7443
www.abindustries.com.au
enquiries@abindustries.com.au



CONTACT INFO

5 Bremen Drive, Salisbury South 5106, SA.

Phone: (08) 8281 1211

Fax: (08) 8281 7443

Website: www.abindustries.com.au

E-mail: enquiries@abindustries.com.au