



# ADVANCED DUCT SYSTEMS

**1300DUCT4U**

## MODULAR DUCT CATALOGUE

- Pneumatic Conveying
- Std Gal
- 2mm
- S/S

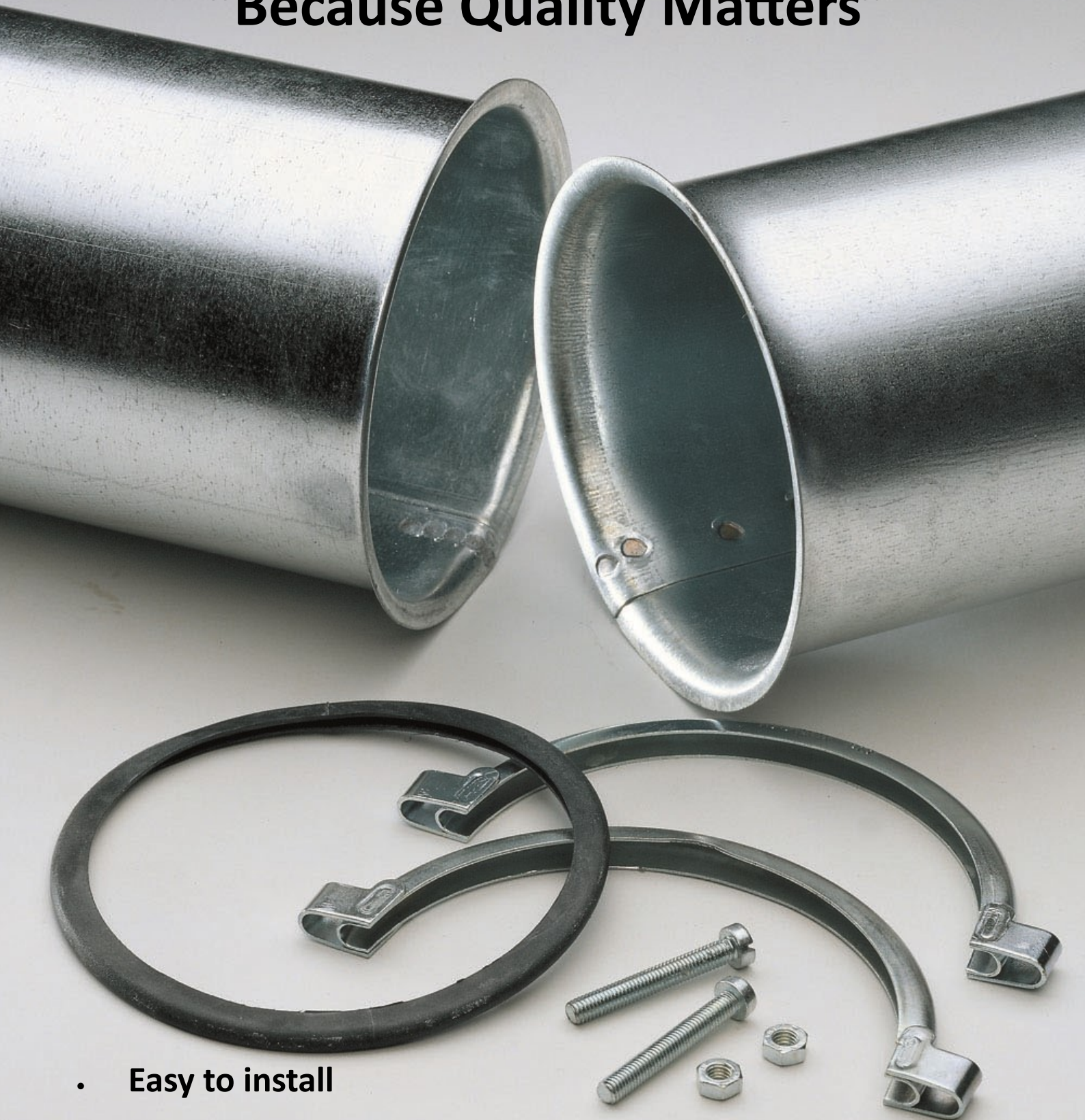


[www.ductsystems.com.au](http://www.ductsystems.com.au)



# **Why Choose ADS Modular Ducting?**

## **“Because Quality Matters”**



- **Easy to install**
- **Replacement of parts is quick and easy**
- **Smooth pressed bends up to 400mm diameter**
- **Interchangeable with other thicknesses**





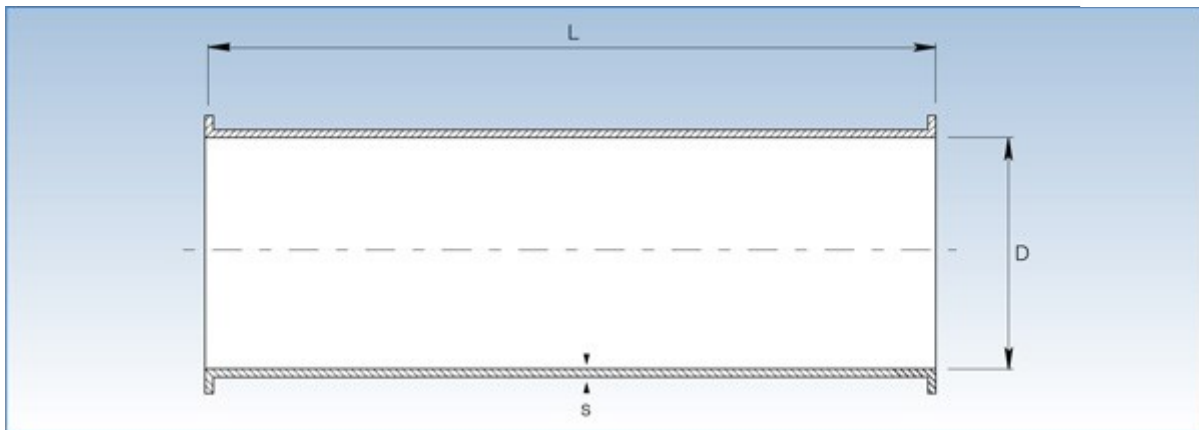
Advanced Duct Systems is an industry leader in the supply of affordable quality modular ducting for use in all Industrial and Commercial applications. With fully stocked warehouses in Melbourne, supply is quick and in many cases delivered the same day within the Melbourne Metro area and surrounds.

We believe we offer the finest quality available. Our **Galvanised ducting** is made from the finest quality Swedish Steel for long lasting performance.

Our **2mm powder coated ducting** is made in JKF's state of the art powder coating plant ensuring the best quality finish.

Our **Stainless Steel ducting** is manufactured in AISI 304 stainless steel with pressed bends in most smaller diameters. The duct is fully laser welded to ensure particles don't get caught up inside thus contaminating the next production batch.

# STRAIGHT DUCT



## GALVANISED DUCT



- Lock seam construction
- Easy to assemble
- Made from quality Swedish galvanised steel



- Laser weld construction
- Easy to cut and re-bead
- Perfect for fine powder conveying

## 2MM POWDER COATED DUCT



- Ideal for abrasive products
- Can be used with gal system
- Used with a choice of locking rings



- Ideal for abrasive products
- Fixed bolt flanges both ends
- Perfect for connection to dust collectors

## STAINLESS STEEL DUCT



- AISI 304 stainless steel
- Laser welded for smooth interior
- Ideal for food processing plants

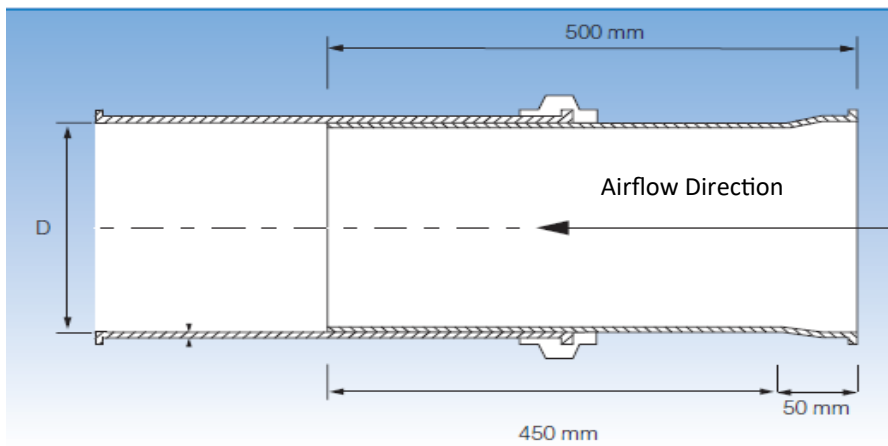
## PNEUMATIC CONVEYING DUCT



- For pneumatically conveying seed, grain, plastic and paper
- 0.9mm wall thickness with rolled edge

	GAL LOCK SEAM	GAL LASER	2MM STD	2MM FLANGED	STAINLESS	PNEUMATIC
<b>DIAMETER D</b>	80mm —800mm	80mm —400mm	80mm-450mm	100mm—450mm	80mm—400mm	160mm
<b>WALL THICKNESS s</b>	0.75mm —1.0mm	0.75mm—0.9mm	2mm	2mm	0.7mm	0.9mm
<b>LENGTH L</b>	0.5m; 1m; 2m	0.5m; 1m; 2m	0.2m; 0.5m; 1m; 2m	0.5m; 1m; 2m	0.5m; 1m; 2m	0.3m; 0.6m; 1m; 2m; 3m
<b>PART NUMBER</b>	GSD	GWD	2PD	2PDF	SWD	PCD

# TELESCOPIC DUCT



ADS Telescopic Duct is the perfect piece to finish off a duct run without having to cut and re-bead. This saves time for installers especially when the duct run is just about finished and there is a gap left due to changed duct run or measurements.

Telescopic Duct pieces are 500mm in length and gives a range between 40mm when inserted fully and 400mm when extended fully. They do not come with another piece of duct, they are a one piece as per the photograph.

The Telescopic Duct does come with its own special Rapid Pull Ring and it is used to secure the piece in place. For installation video please contact our Sales Team and they will send an e-mail or visit our website

[www.ductsystems.com.au](http://www.ductsystems.com.au)

Telescopic Duct is available in

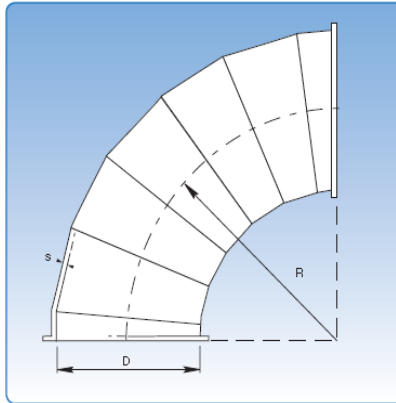
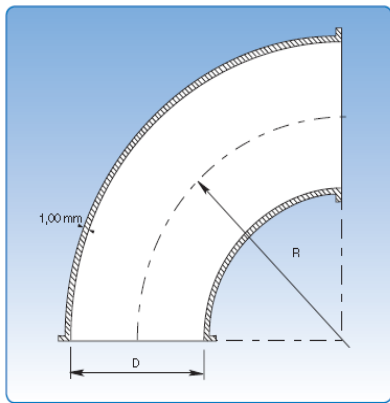
Std Galvanised; 2mm Powder Coated; 304 S/S; Pneumatic Conveying

	STD GAL	2MM	S/S	PNEU CONVEYING
DIAMETER D	80mm—500mm	100mm—450mm	100mm—300mm	160mm
THICKNESS s	0.75mm up to 350mm 0.9mm up to 500mm	2mm	0.70mm	1mm
PART #	GTD	2PTD	STD	PCT

**NO CUTTING OR WELDING REQUIRED**  
**SAVES TIME AND \$\$**



# PRESSED AND SEGMENTED BENDS



ADS Pressed Bends are available from 80mm up to 400mm. The smooth bore allows for better airflow resulting in a reduction in air turbulence and pressure loss. Manufactured from the best quality galvanised steel our bends will last longer and save energy and power costs for your extraction system

## GALVANISED PRESSED BENDS



- Smooth inside
- Made from 1mm gal up to 400mm
- 1.5CLR for optimal flow

## GALVANISED LOBSTER BACK BENDS



- Made from 0.9mm gal dia. 450mm to 800mm
- Quality robust construction

## 2MM POWDER COATED PRESSED BENDS



- Ideal for abrasive products
- Can be used with gal system
- Smooth bore up to 400mm

## 2MM POWDER COATED SEGMENTED BENDS



- Ideal for abrasive products
- Can be used with gal system
- Robust

## 2MM POWDER COATED PRESSED BENDS FLANGED



- Ideal for abrasive products
- Smooth bore up to 400mm
- Fixed bolt flanged both ends

## 2MM POWDER COATED SEGMENTED BENDS FLANGED



- Ideal for abrasive products
- Fixed bolt flanges both ends

## STAINLESS STEEL PRESSED/ LOBSTERBACK BEND



- AISI 304 stainless steel
- Pressed bends 2D radius
- Lobsterback bends 1.5D radius

## PNEUMATIC CONVEYING BENDS



- 1.5mm wall thickness on outside wall for abrasion resistance
- 3D radius to reduce transport damage
- 2mm heavy wall bends also available

	Gal Pressed Bends	Gal Lobsterback Bends	2mm Pressed Bends	2mm Segmented Bends	S/S Pressed Bends	S/S Lobsterback Bends	Pneumatic Conveying Bends
<b>DIAMETER D</b>	80mm—400mm	450mm—800mm	100mm—400mm	225/275/450mm	80mm—200mm	225mm—350mm	160mm
<b>WALL THICKNESS s</b>	1mm	0.9mm	2mm	2mm	Dia 80-150mm 1mm Dia 200mm 1.5mm	0.8mm	1mm inside wall 1.5mm outer wall
<b>Angles</b>	90,60,45,30,15,7.5	90,60,45,30,15,7.5	90,60,45,30,15	90,60,45,30,15	90,60,45,30	90,60,45,30,15	90,60,45,30,15,5
<b>PART NUMBER</b>	GPB	GLB	2PPB 2PPBF	2PSB 2PSBF	SPB	SLB	PCB PCBH

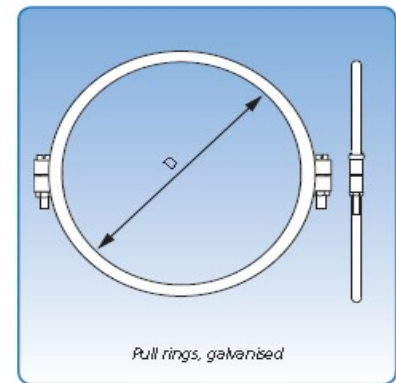
# PULL RINGS



ADS Std Pull Rings are constructed in two halve rings and joined by 2 nuts and bolts. They are easy to put together and when tightened they bring the lips of the duct together to form a very good seal.

Advantages of ADS Pull Rings

- Easily unlocked for inspection and cleaning
- Can be re-used
- Low cost



## Gal Pull Ring

Part #: **GPR**

Size Range: 80mm—500mm



## 2mm Heavy Pull Ring

Part #: **2HPR**

Size Range: 100mm—400mm



## S/S Pull Ring

Part #: **SPR**

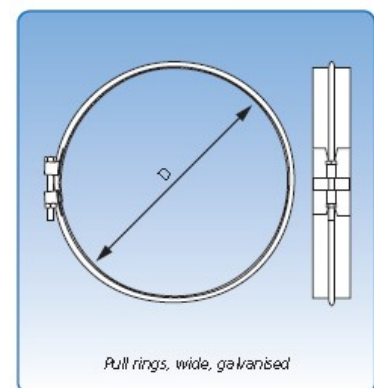
Size Range: 80mm—400mm



ADS Wide Pull Rings are made from hot galvanised sheet. They are supplied individually with a single nut and bolt. For duct diameters over 300mm we recommend the use of wide pull rings.

Advantages of ADS Wide Pull Rings

- Easily unlocked for inspection and cleaning
- Can be re-used
- More support for larger diameter duct runs



## Gal Wide Pull Ring

Part #: **WPR**

Size Range: 200mm—800mm



## S/S Wide Pull Ring

Part #: **SWPR**

Size Range: 200mm—400mm



# RAPID PULL RINGS



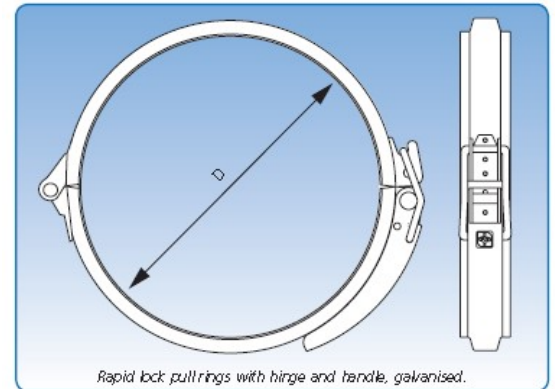
ADS's Rapid Pull Rings are electro-plated and used for fast and tight assembly of the duct systems. The RPR's are equipped with an insert that provides tight connections and stable strength to the duct system and ensures at the same time the electric conductivity of the connection.

The strong spring steel guarantees the high quality of the opening and closing mechanism of the lock ring and ensures its durability.

EPDM seal standard. Other seal available on request

Advantages of ADS Rapid Pull Rings

- Ideal for regular dismantling of duct
- Rubber seal ensures a tight seal at the joins for minimal air leakage
- Wider body clamp for extra support at the join



## Rapid Pull Ring

Part #: **RPR**

Size Range: 80mm—400mm



## 2mm Rapid Pull Ring

Part #: **2RPR**

Size Range: 100mm—450mm



## S/S Rapid Pull Ring

Part #: **SRPR**

Size Range: 80mm—500mm limited

Phasing out. Heavier duty clamp



## S/S Pull Ring with Lever

Part #: **SPR-L**

Size Range: Limited



## S/S Rapid Pull Ring

### Adjustable

Part #: **RPR**

Size Range: 80mm—500mm



## Pneu. Conv.

### Rapid Pull Ring

Part #: **PCRL**

Size Range: 160mm



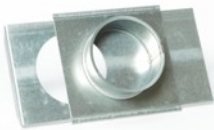


# ACCESSORIES



## Slide Gates

ADS has a large range of Slide Gates for your exact requirements and budget. Designed to close off airflow to unused machines allowing the rest of the system to get the benefit of the increased suction available.



**Slide Gate Manual**

Part #: **SGM**

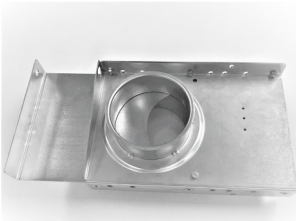
Sizes: 80mm—500mm



**Hosetail Slide Gate Manual**

Part #: **HSGM**

Sizes: 80mm—200mm



**Tight Slide Gate Manual**

Part #: **TSGM**

Sizes: 80mm—400mm



**Tight Slide Gate Pneumatic**

Part #: **TSGP**

Sizes: 80mm—500mm

Some sizes minimal stock



**S/S Tight Slide Gate Manual**

Part #: **SSGM**

Sizes: 80mm—400mm



**Pneumatic Conveying Slide Damper**

Part #: **PCSD**

Sizes: 160mm

Some sizes minimal stock

## Flexible Hose Spigots

ADS hose spigots are used to connect flexible ducting to the rigid modular ducting. One end has the 5mm turnout to lock with a pull ring of choice, usually rapid pull rings. The other end has a raised ring to give improved hold for the flex.



Part #: **FHS**

Sizes: 80mm—400mm

# ACCESSORIES



## Flexible Hose Joiner

Used in the standard ADS duct systems, this piece allows two pieces of flex to be joined together.



Part #: **FHJ**

Sizes: 80mm—250mm

## 2mm Duct Weld End

Designed to weld onto existing pipe or machine outlet to connect with ADS Modular Duct. Made from 2mm black steel.



Part #: **2DWE**

Sizes: 80mm—450mm

## Galvanised End Disks

ADS's Gal End Disks are made from std gal sheet metal 1.6mm.

These disks are used to blank off a duct run that is not being used, or one that will be added onto at a later date.

Affixed by a simple lock ring, these pieces are heavy enough to not be sucked in or vibrate making noise.



Part #: **GED**

Sizes: 80mm—400mm

## RUBBER GASKET RINGS

ADS's Rubber Gasket Rings are made as standard from EPDM 80 rubber and are used to improve the tightness of the connections when using Galvanised Pull Rings.

Only one rubber gasket ring is mounted near each connection. The ring is mounted at random on one of the duct turnouts before assembling the duct.



Part #: **RGR**

Sizes: 80mm—350mm

## GAL MOUNTING BRACKET

ADS's Mounting Brackets are designed for suspension of the duct systems. The brackets are available in three different mounting principles: with legs, wall mounted and hanging. With regard to the distance between the brackets, it is recommended to apply one bracket every second duct assembly.



Part #: **GMBS**

Sizes: 80mm—315mm

**GMBH:** 325mm—800mm

## Gal Wall Bracket Legs

Perfect for installing duct runs on a roof or down a wall.



Part #: **GLS**

Sizes: 80mm—160mm  
180mm—315mm

**GLH:** 350mm—800mm

# ACCESSORIES



## Galvanised Flat Bar Flanges

ADS's Flat Bar Flanges are made in a hot dipped gal finish, but they can also be supplied untreated.



Part #: **GFBF**

Sizes: 80mm—700mm

## Galvanised Sweep Ups

ADS's Sweep Ups are made from 0.9mm galvanised sheet. They are used for the suction of dust and particles off the floor surface. The sweep ups are supplied with a gate and grill. Ideal for schools and joineries.



Part #: **GSU**

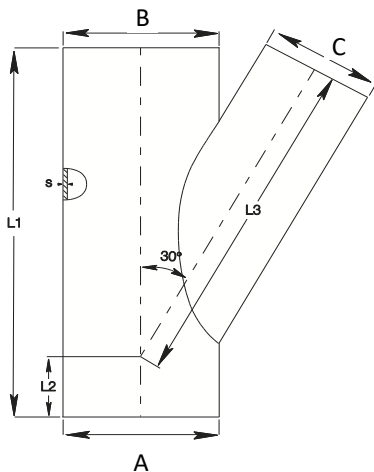
Sizes: 80mm—200mm

## Branch Pieces

ADS has a large variety of Branch Pieces both on the shelf and for manufacture. We carry these in most sizes and in different material: Galvanised, 2mm and Stainless Steel 304 grade. Our on the shelf stock predominantly have 30deg branches which minimizes turbulence in the air flow, but we do carry 45deg branches in the 2mm range.

Regular sizes in stock are what is called Straight Branch Pieces ie 100x100x100mm; 150x150x150mm

For all Reducing Branch Pieces, these are made to order from our workshop.



When placing an order, the measurements for A,B & C must be stated

### **Galvanised 30deg Straight Branch Piece**



Part #: **G3SBP**

Sizes: 80mm—500mm

### **2mm 30deg Straight Branch Piece**



Part #: **2P3SBP**

Sizes: 100mm—300mm

### **Stainless Steel 30deg Straight Branch Piece**



Part #: **S3SBP**

Sizes: 80mm—300mm

### **2mm 45deg Straight Branch Piece**



Part #: **2P45SBP**

Sizes: 100mm—300mm

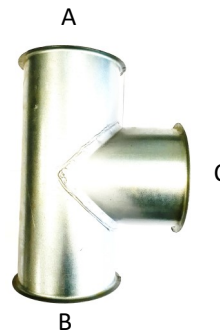


# ACCESSORIES



## Galvanised 90deg T Piece

ADS T Pieces are made from 0.9mm gal. Standard off the shelf sizes are for eg. 100x100x100mm; 150x150x150mm. All other variations can be manufactured in our workshop. When placing an order the measurements for A,B & C must be stated as per picture.

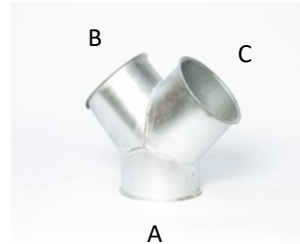


Part #: **G9TP**

Sizes: 80mm—200mm

## Galvanised 30deg Trouser Piece

Otherwise known as Y Pieces, ADS has a range in 0.9mm gal. Standard off the shelf sizes are for eg. 100x100x100mm. All other variations can be manufactured in our workshop. When placing an order the measurements for A,B & C must be stated as per the picture



Part #: **G3TP**

Sizes: 80mm—250mm

## Duct Entries

Also known as Duct Saddles, these parts are manufactured to order. ADS can supply these items in std Gal and Stainless Steel and are manufactured in our workshop. When placing an order the diameter of the main duct must be specified and the diameter of the branch.  
eg. DE 400main to 100mm branch at 30deg

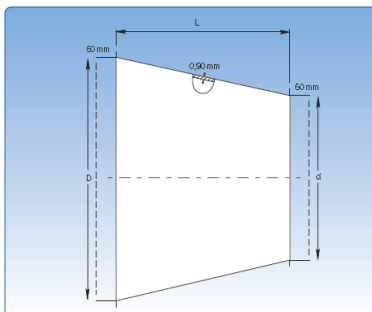


Part #: **DE**

Sizes: Whatever is required

## Tapers

ADS Tapers are also known as Reducers or Reducing Cones. ADS stocks a large range of sizes off the shelf, and any sizes we don't have can be manufactured in our workshop.



When placing an order, the measurements for both ends **D** and **d** must be specified

### **Galvanised Tapers**

Part #: **GT**

Sizes: 80mm up to 450mm



### **2mm Powder coated Tapers**

Part #: **2PT**

Sizes: 80mm up to 450mm



### **S/S Tapers**

Part #: **ST**

Sizes: 80mm up to 400mm

# ACCESSORIES



## Butterfly Valves

Also known as Throttle Valves, ADS Butterfly Valves are made from 0.9mm galvanised sheet and the blade is 2mm. Butterfly Valves are used to regulate and balance the airflow in a ducting system. The valve handle indicates the damper position, and can be variably set between open and closed. Sealed version available by special order. Pneumatic and Electric versions available by special order.



**Galvanised Butterfly Valve Manual**

Part #: **GBVM**

Sizes: 80mm up to 500mm



**Stainless Steel Butterfly Valve Manual**

Part #: **SBVM**

Sizes: 80mm up to 300mm

## Diverter Valves

ADS Pressed Diverter Valves are made from quality 2mm powder coated steel and are used to divert the airflow from the main duct run into choice of 2 duct runs, usually under gravity or pneumatic conveying.

ADS Welded Diverters are made for suction systems whereby suction is diverted from 1 line to another. They can also be used for pneumatic conveying.

All Diverters are manually operated, but can be fitted with pneumatics. Pneumatic kits are sold separately.



**Diverter Valve Branch Manual**

Part #: **DVBM**

Sizes: 100mm up to 300mm



**Pneumatic Conveying Trouser Diverter Valve**

Part #: **PCTDV**

Sizes: 160mm



**Diverter Welded Branch**

Part #: **DVWBM**

Sizes: Subject to availability



**Pneumatic Conveying Branch Diverter Valve**

Part #: **PCBDV**

Sizes: 160mm



**Diverter Valve Trouser Manual**

Part #: **DVTM**

Sizes: 100mm up to 300mm



**Diverter Valve Branch c/w Pneumatic Kit**

Part #: **DVBM + DVPK**

Sizes: 100mm up to 300mm

# ACCESSORIES



## Rotary Valves

ADS has a large selection of quality Rotary Valves ex-stock Melbourne. Made from 2mm mild steel powder coated blue these units are solid and last for a long time. Our STRV range have 6 rotors whilst our HTRV range have 8 rotors. All of which have high wearing rubber blades to ensure a tight seal.

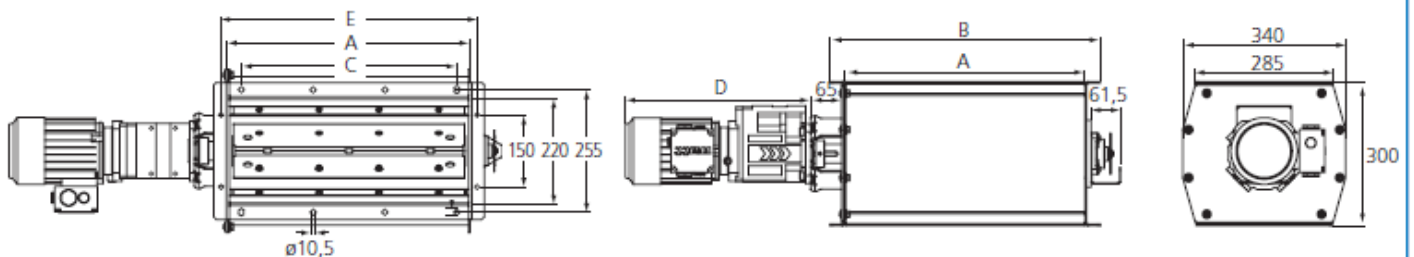


Our Rotary Valve range caters for volumes 10m<sup>3</sup>/hr up to 60m<sup>3</sup>/hr. For capacities higher than this we can supply larger units on request.

### **Standard Throughput Rotary Valve**

Part #: **STRV**

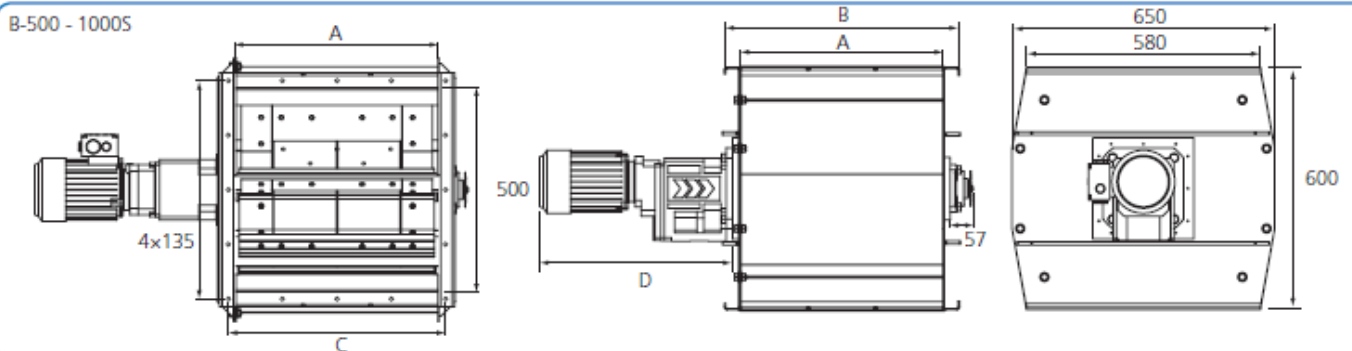
Sizes: 25—75



### **High throughput Rotary Valve**

Part #: **HTRV**

Sizes: 50



## Rotary Valve Blades

ADS's Rotary Valve Blades are made of NITRIL rubber. They are made to suit our range of Standard and High Throughput Rotary Valves.

Typically 6 blades are required for each Rotary Valve.

Blades made out of different material available upon request



Part #: **RVB**

Sizes: 25—75



# ACCESSORIES



## Galvanised Jet Caps

ADS Jet caps are designed to provide protection from rain entering into an exhaust stack whilst exhausting the air straight up into the atmosphere. This prevents any downward flow of air which causes back pressure and environmental issues.



Part #: **GJC**

Sizes: 125mm—450mm

## Galvanised Air Bleeds

ADS Air Bleeds are designed to introduce outside air into a ducting system to keep a balanced air flow. They are inline with the duct run and have no parts inside to impede airflow thus creating air turbulence and resistance. Simply rotate the outer sleeve to adjust how much air is introduced to the system



Part #: **GAB**

Sizes: 80mm—200mm

## Duct with Access Door

ADS Duct with Access Doors are designed to allow easy access inside a duct run to check for blockages or dust build up. Airflow is not impeded by any internal latches or hinges. Usually placed on the suction side of branch pieces where airflow is most turbulent from the joining of two duct runs. This is where most product dropout occurs.



Part #: **DWAD**

Sizes: 80mm—500mm

## Ask yourself one question:

## Why choose ADS?

*Because Quality Matters* 



# **ADVANCED DUCT SYSTEMS**

## **VICTORIA**

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