



ADVANCED DUCT SYSTEMS

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ADVANCED DUCT SYSTEMS

FLEXIBLE DUCTING CATALOGUE



Why Choose ADS Flexible Ducting?

“Because Quality Matters”

Advanced Duct Systems is an industry leader in the supply of affordable quality flexible ducting for use in all Industrial and Commercial applications. With two fully stocked warehouses located in Melbourne and Sydney, supply is quick and in many cases delivered the same day.

Our friendly staff have years of experience and can help you choose the right flex for the application, whether it be for:

- Wood working
- Food and pharmaceutical
- Exhaust gas extraction
- Paper extraction
- Grain Conveying
- High temperature gases
- Chemicals
- And many more



When next you are in need of Flexible ducting ask Advanced Duct Systems to provide a free quote. And when making that final decision ask yourself one question, Why should I buy from ADS? Because Quality Matters!

We mainly carry full coil lengths 10m and supply cut lengths in full meter increments only

Clamping Systems

Master Grip Right Turn Clamps



Part #: MGRTC

Material: Steel

Uses: Special clamp for flex with a right hand turning (clockwise) helix. Bridge ensures that the band clamps only on the flex.

Helix Direction: Right Hand



Master Clip Grip Clamps



Part #: MCGC

Material: Steel

Uses: Special clamp for flex with a left hand turning (anti-clockwise) helix. Bridge ensures that the band clamps only on the flex.

Helix Direction: Left Hand



Master Grip Quick Action Clamp



Part #: MGQAC

Material: Stainless Steel

Uses: For areas that require a quick disconnection of the flexible duct. No need for screw drivers to tighten. For areas that require rust free clamps. For use on flex with a right hand turning helix. Also has a bridge to ensure the band clamps only on the flex.

Worm Drive Clamps



Part #: THS / THAS

Material: Steel (THS) / Stainless Steel (THAS)

Uses: General purpose clamp that suits right and left turning helix. Requires screw driver to tighten. Made in Australia.

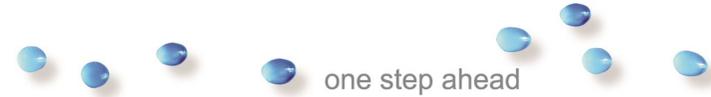


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Polyurethane Products

ADS PU Multi Purpose



Can be used for CNC machines

Part #: APUM

Temperature Range: -40° C - +90° C Peaks to 125° C

Material: Ester based Polyurethane

Wall Thickness: 0.6mm

Uses: Ideal as suction and transport hose for abrasive solids such as Dust, Powders, wood chips and granulates
Excellent flexibility and can be made electrically conductive by grounding the steel wire

Master PUR L (Medium)



Anti-Static AND microbe resistant

Part #: MPURL

Temperature Range: -40° C - +90° C Peaks to 125° C

Material: Pure Polyester Polyurethane fully extruded hose

Wall Thickness: 0.7mm

Uses: Extraction of paper and textile fibres; Transport of fine grained particles such as dust and powder; Suction and transport hose for abrasive solids, liquids and gases; Oil mist extraction

Properties: Anti static, surface resistance < 10⁹

Master PUR H (Heavy)



Part #: MPURH

Temperature Range: -40° C—+90° C Peaks to 125° C

Material: Pure Polyester Polyurethane fully extruded hose

Wall Thickness: 1.4mm

Uses: Granulate transport hose ; Transport of chips/shavings; suction and transport of paper fibres; Suction of coarse media with high flow rate; Oil mist extraction/suction

Properties: Highly abrasion resistant; generally good UV & ozone resistance; antistatic

ADS PU Anti-static Suction



Part #: APUSHA

Temperature Range: -40° C—+90° C Peaks to 125° C

Material: Top Grade PU with a rigid PVC and copper wire helix

Wall Thickness: 0.8mm

Uses: For abrasive solids such as dusts, powders, chips and grains; Suitable for industrial vacuum cleaners and granulate conveying systems

Properties: Antistatic by grounding copper wire; High tensile strength; Resistant to tearing, Transparent; Extremely smooth inner wall

Specialised Flex Only by Request (Limited Stock)

Master Clip Viton



Part #: MCVIT

Temperature Range: -25° C—+210° C intermittent to +240° C

Material: Viton coated polyester fabric

Uses: Chemicals; Paint mist extraction; Suction of aggressive media in medium temperature range

Properties: Highly Flexible; External helix protects against abrasion; Good chemical resistance; UV & Ozone resistant; High temperature resistance; Tear proof

Master PU Step



Part #: MPSTEP

Temperature Range: -40° C—+90° C intermittent to +125° C

Material: 100% Polyester Polyurethane

Uses: Suitable for areas where hoses can be stepped on and crushed; Wood working industry; Protection hose; Suction/ transport hose for solid, liquid and gaseous media

Properties: Crush resistant and recoverable; Hardly inflammable; Highly abrasion resistant, Super lightweight; Highly flexible; Electrically conductive by grounding wire on both ends

Master Santo SL



Part #: MSSL

Temperature Range: -40° C—+130° C intermittent to +150° C

Material: Polyester fabric coated with TPV

Uses: Suction of steam; Transport of hot and cold air in vehicle and engine construction; Gaseous media

Properties: Good chemical resistance to alkalis' acids and solvent gases; Generally good UV and Ozone resistance; Lightweight and flexible; Electrically conductive by grounding spiral; Nearly smooth inside



Specialised Flex Only by Request (Limited Stock)

Master PUR Extra Heavy



Part #: MPURHX

Temperature Range: -40° C - +90° C Peaks to 125° C

Material: 100% Polyester Polyurethane fully extruded

Wall Thickness: 1.7—2.1mm depending on diameter

Uses: Suction and transport hose for extremely abrasive media

Properties: Extremely abrasion resistant; Oil/ petroleum proof; Gas tight; Good chemical resistance; Antistatic surface resistance < 10⁹ Microbe resistant; Generally good UV and Ozone resistance; High tensile strength

Master PUR LF / SLF (Light)



Part #: MPURLF / MPURSLF

Temperature Range: -40° C - +90° C Peaks to 125° C

Material: 100% Polyester Polyurethane

Uses: Wood dust extraction; Transport of fine grained particles such as dust and powder; Oil mist Extraction

Properties: Extremely compressible; Super lightweight; Abrasion resistant; Antistatic; Microbe resistant; Hardly inflammable; Solvent, oil and petroleum resistant; Generally good UV and Ozone resistance

Master Polderflex PVC



Part #: MPOLD

Temperature Range: -20° C—+70° C intermittent to +80° C

Material: Soft PVC

Wall Thickness: 3-10mm depending on diameter

Uses: Vacuum pumps; Agricultural machinery; Suction and transport hose for solids, gas and liquids; Sewer cleaning

Properties: Good resistance to oil, alkalis, acids and chemicals; Gas tight; Lightweight; Nearly smooth inside; Flexible

Master Clip Spark



Part #: MPSPK

Temperature Range: -20° C—+90° C intermittent to +110° C

Material: PVC coated Glass Fabric

Uses: Extraction of welding & soldering fumes, Air conditioning/ Ventilation; Tent heating; Exhaust equipment

Properties: Largely resistant to stray sparks; Hardly inflammable; Highly flexible, Extremely flexible; Lightweight; External helix protects against abrasion

Polyurethane Products

Master CNC Flex



Part #: MCNC

Temperature Range: -40° C - +90° C Peaks to 125° C

Material: Pure Polyester Polyurethane with Flame Retardant Additives

Wall Thickness: 0.5mm

Uses: CNC woodworking machines; Applications requiring flexibility and strength and in areas where risk of fire is present

Properties: Very flexible; Strong wire helix; Lightweight; Hardly inflammable; Generally good UV & Ozone resistance; Nearly smooth inside

Master PUR Food Medium



Part #: MPLF

Temperature Range: -40° C - +90° C Peaks to 125° C

Material: Pure Polyether Polyurethane food grade quality (FDA)

Wall Thickness: 0.7mm

Uses: Pharmaceutical industry; Suction & transport hose for food industry; Chemicals

Properties: Microbe & hydrolysis resistant; Tasteless & odourless; Extremely flexible; Gas tight; Generally good ozone & UV resistance

Master PUR Food Antistatic Medium



Part #: MPLFA

Material: Pure Polyether Polyurethane, Food grade (FDA) with non-migratory permanent antistatic agent

Wall Thickness: 0.7mm

Uses: Pharmaceutical; Suction & transport hose for food industry; Chemicals

Properties: Anti static, surface resistance < 10⁹



Welding Fume; Vehicle Exhaust and PVC Products

ADS Vinyl



Part #: AVINYL

Temperature Range: -20°C—+100°C

Material: PVC coated Polyester fabric

Wall Thickness: 0.32mm

Uses: Extraction of high temperature and cold air; Extraction of Welding Fumes; Ship building and military applications

Properties: Good resistance to high temperature and chemical substances; Highly flexible and compressible; Flame retardant; Light weight and comes with external steel helix to protect against abrasion

Master Carflex 200



Part #: MCARF

Temperature Range: Exhaust gas temperatures up to 200°C

Material: Neoprene coated Polyester Fabric

Uses: Medium duty exhaust gas extraction from petrol or diesel engines; For use in all normal exhaust extraction systems such as hose reels, slotted channels, above floor and under floor systems

Properties: Vibration proof; Hardly inflammable; Super lightweight; Extremely Flexible; Compressible and robust

Master Clip Car



Part #: MCCAR

Temperature Range: -60°C—+300°C intermittent to +350°C

Material: Special coated high temperature fabric

Uses: Exhaust gas extraction especially diesel engines; Machine manufacturing; Vehicle manufacturing; Hot air; Smoke extractors; Defense systems and Aircraft manufacturing

Properties: Light; Hardly inflammable; Highly flexible; Extremely compressible; Very good temperature resistance; Primarily suitable as exhaust hose

ADS PVC



Part #: APVC

Temperature Range: -20°C—+70°C intermittent to +80°C

Material: Soft PVC

Wall Thickness: 0.4mm

Uses: Suction and transport hose for vapours and smoke, liquid media and small granules such as dusts and powders

Properties: Highly flexible; Lightweight; Extremely compressible; Smooth interior; highly transparent

High Temperature; Multipurpose and Tunnel Flex

ADS High Temperature Flex



Part #: AHTF

Temperature Range: -60°C—+400°C

Material: Silicone coated Glass Fibre Fabric

Wall Thickness: 0.32mm

Uses: Extraction of high temperature air, vapours and smoke

Properties: Highly Flexible and compressible; External galvanised steel helix protects against crushing; Flame retardant; Light weight and good chemical resistance

ADS Thermoplastic Rubber



Part #: ATPR

Temperature Range: -40°C—+135°C intermittent to +150°C

Material: Soft TPE

Wall Thickness: 0.6mm

Uses: Extraction of fumes, steam, cold air and smoke

Properties: Good resistance to chemicals and UV; Highly flexible and compressible

ADS Portable Flexible Duct



Part #: APFD

Temperature Range: -60°C—+400°C

Material: PVC coated polyester weave

Wall Thickness: 0.35mm

Uses: Ventilation duct ideal for Airports, Tunnels, Basements and extracting waste exhaust gas; Air conditioning and ventilation of fumes

Properties: Highly flexible; Flame retardant; Compressible and easy to carry; Oil, acid and alkali resistant; Kink proof

