

Makro Tech LTD

Product Guide

**UNIT 19A Peacock Industrial Estate, White
Hart Lane, Tottenham, London, N17 8DT**



ABOUT US

At Makro Tech LTD, we are more than just a supplier of HVAC products. We are your partner in creating comfortable, efficient, and sustainable indoor environments. With a commitment to excellence and a passion for innovation, we've been serving the HVAC industry for a number of years, providing top-quality products and unparalleled service.

Our Story:

Makro Tech LTD was founded on the principle of delivering the best HVAC solutions to our customers. Our journey began in 2019 and since then, we have grown to become a trusted name in the industry. Over the years, we've built a strong reputation for our:

ABOUT US

WHY CHOOSE US?

OUR MISSION

Our mission is to provide HVAC solutions that enhance the comfort, energy efficiency, and air quality of your spaces. We are committed to sustainability and are continually seeking environmentally friendly products and practices to minimize our impact on the planet.

Why Choose Us?

- Innovation: We stay at the forefront of HVAC technology, constantly evolving to bring you the latest advancements in the field.
- Reliability: Our products are rigorously tested to ensure reliability and long-lasting performance.
- Affordability: We offer competitive pricing without compromising on quality, making it easier for you to achieve your HVAC goals within budget.
- Partnership: We view our clients as partners in success. Your goals are our goals, and we are dedicated to helping you achieve them.

Contact Us

Ready to enhance your HVAC projects with top-tier products and support? Reach out to us today:

- Address: Unit 19A, Peacock Industrial Estate, White Hart Lane, Tottenham, London, N17 8DT
- Phone: 07943079061
- Email: Berkay@makroteknik.co.uk



Table Of Contents

FANS	- P - 1 To 3
SPIRAL DUCTING + FITTINGS	- P - 4 To 5
FIXINGS + SUPPORTS	- P - 6 To 7
FLEXIBLE DUCTING	- P - 8
FILTERS & FILTER BOXES	- P - 9
DAMPERS & ACCESS DOORS	- P - 10
GRILLS & LOUVRES	- P - 11
FLASHINGS	- P - 12
TAPES, SEALANT, SPRAYS	- P - 13
SILENCERS	- P - 14
FLANGES	- P - 15
CONTACT INFO	- P - 16



FANS



PLATE MOUNTED AXIAL FLOW FAN

Product code: HCBB/T Series

Compact Plate Mounted Axial Range of low profile plate mounted axial fans fitted with aluminium impellers and single phase motor (HCBB) or three phase motor (HCBT).



PLATE MOUNTED AXIAL FLOW FAN

Product code: HXBR/T Series

Plate mounted axial flow fans manufactured from high grade galvanised steel and provided with a Sickle blade impeller, low sound level, protected against corrosion by cataforesis primer and a polyester black paint finish, single phase external rotor motor (HXBR) or three phase motor (HXTR).



LOW PRESSURE CASED AXIAL FANS

Product code: TCBB/T Series

Range of cylindrical cased axial flow fans fitted with aluminium impellers and manufactured from high grade rolled galvanised steel and protected against corrosion by cataforesis primer and black polyester paint finish. All models are supplied with pre-wired wiring junction box located on the outside of the fan casing for easy wiring access. Available with 4 pole single or three phase motors.



CONTRAFOIL HIGH PRESSURE AXIAL FANS

Product code: TCBBx2 Series

Range of cylindrical cased axial fans fitted with aluminium impellers and manufactured from high grade rolled galvanised steel and protected against corrosion by cataforesis primer and black polyester paint finish. Fitted with two contra-rotating complementary impellers manufactured from die-cast aluminium.



SLIMLINE CENTRIFUGAL CIRCULAR DUCT FANS

Product code: JETLINE Series

A range of in-line fans for circular ducts, designed for high aerodynamic performances with very compact profiles and very low sound levels. The range comprises of five diameter sizes and covers a flow range from 0.07 m³/s to 0.30 m³/s. With a low profile compact casing manufactured from galvanised sheet steel, the terminal box and the mounting bracket do not increase the product's profile.



FANS



CENTRIFUGAL INLINE FANS

Product code: VENT Series

Range of in-line duct centrifugal fans, manufactured from high grade corrosion resistant pressed galvanised steel¹ and supplied as standard with a pre-wired wiring junction box and a robust mounting foot or mounting brackets (depending on product size).



LOW ENERGY CIRCULAR DUCT FANS

Product code: VENT ECOWATT Series

In-line centrifugal duct fans suitable for a wide range of general residential, commercial and industrial exhaust or supply ventilation applications. Circular in-line duct fans from 100 to 400 mm diameter. Models are suitable for mounting in any orientation and operation within ambient air temperatures between -20°C up to +40°C. Comprehensive range of accessories to ease the installation and control the fan performances.



ACCOUSTIC EXTRACT BOX FANS

Product code: CVAB/T ND Series

Range of direct drive backward curved centrifugal cabinet fans designed for ventilation of commercial kitchens and industrial applications. Cabinet fan manufactured from aluminium profiles and double thickness side panels internally lined with 25 mm thickness of fireproof fibreglass acoustic insulation.



HIGH TEMPERATURE CENTRIFUGAL BOX FANS

Product code: KABB/T Series

Cabinet fans manufactured from galvanised steel sheet with double thickness side panels internally lined with 25 mm thickness of fireproof fibreglass acoustic insulation (MO). Circular duct connection flange on the inlet. KABB / KABT incorporates direct-drive backward curved centrifugal impeller with motor out of air-stream. Motor rated at IP55.



ACCOUSTIC CABINET FANS

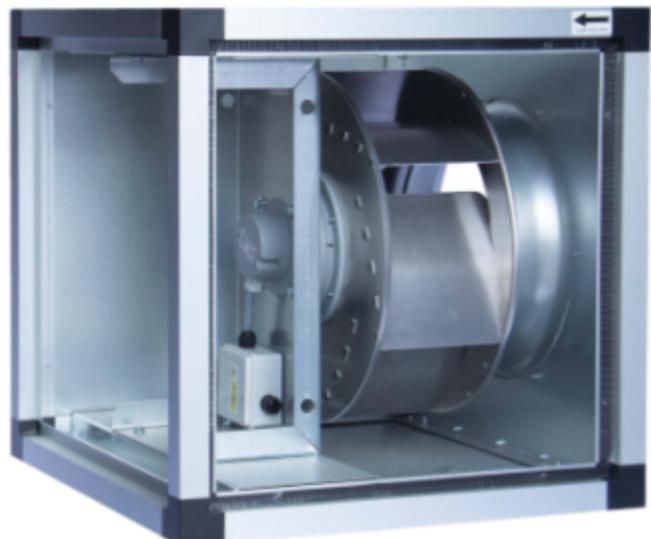
Product code: CAB Series

Acoustic cabinet fans manufactured from heavy gauge galvanised steel sheet and internally lined with 50 mm thickness of fireproof acoustic insulation (MO). Fan cover supplied with "quick-fix" fixings to enable fast removal and fitting, and a tight close.





FANS



ACOUSTIC AXIAL FLOW FAN BOX

Product code: AAF Series

Variable direction discharge, backward curved centrifugal fan. High efficiency IE2 external rotors motor and IE3 for induction rotor motors. Highest quality Electric motors with thermal protection will guarantee the long life and trouble free operation due to its construction and air cool system.



ACOUSTIC L FLOW HIGH TEMPERATURE FAN BOX

Product code: ALF/H Series

In-line centrifugal duct fans suitable for a wide range of general residential, commercial and industrial exhaust or supply ventilation



ACOUSTIC SHORT CASE SIDE DISCHARGE FAN BOX

Product code: ALF/C Series

Variable direction discharge, backward curved centrifugal fan. High efficiency IE2 external rotors motor and IE3 for induction rotor motors. Highest quality Electric motors with thermal protection will guarantee the long life and trouble free operation due to its construction and air cool system.

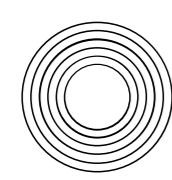


AXIAL FANS

Product code: AXIAL Fans

Short Cased Axial Fan 315mm has an open airflow capability of 2700 m³/hr. Stepless control of the fan motor speed is achieved using the Airflow 1AMP speed controller, or just bought online with a suitable on / off switch. This short cased axial fan offers smooth running, which is partly due to it being statically and dynamically balanced. The fan blades are mounted on an aluminium die-cast external rotor motor, which in turn is mounted on an engineered, heavy gauge, steel casing. These features, combined with a high efficiency impeller design provides quiet, vibration free running. Fan cases are coated in a durable epoxy paint to protect against corrosion.





SPIRAL DUCTING & FITTING



3 METER SPIRAL

Spiral Tube Duct 3m Lengths
100MM - 710MM Diameter



90 BENDS

90 Degree Bend - 100MM -
710MM Diameter



45 BENDS

45 Degree Bend – 100MM -
710MM Diameter



BIRD BEAKS

Bird Beak - 100MM - 710MM
Diameter



MALE COUPLERS

Male Coupler - 100MM - 710MM
Diameter



FEMALE COUPLERS

Female Coupler - 100MM - 710MM
Diameter



REDUCERS

Reducer - 100MM - 710MM
Diameter



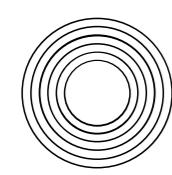
PRESSED SADDLES

Pressed Saddle - 100MM - 710MM
Diameter



FLANGE SPIGOTS

Flange Spigots - 100MM - 710MM
Diameter



SPIRAL DUCTING & FITTING



FLAT SHOE

Flat Shoe - 100MM - 710MM
Diameter



EQUAL TEE PIECES

Equal Tee Pieces - 100MM -
710MM Diameter



DAMPERS - SINGLE BLADE

Dampers - 100MM - 710MM



WEATHER COWLS

Weather Cowls - 100MM - 710MM
Diameter



CURVED BOOTS

Curved Boots - 100MM - 710MM
Diameter



Y BENDS

Y Bends - 100MM - 710MM
Diameter



NON-RETURN DAMPERS

Non-Return Dampers - 100MM -
710MM Diameter



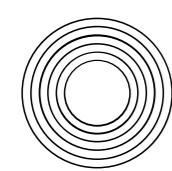
MESH END CAP

Mesh End Cap - 100MM - 710MM
Diameter



END CAP

End Cap - 100MM - 710MM
Diameter



FIXING & SUPPORT

**SUSPENSION RING**

Suspension ring - 100MM - 710MM
Diameter

**SPLIT RING**

Split Ring - 100MM - 710MM
Diameter

**BASE PLATE****RIVETS****SQUARE HEAD - SELF TAPPING SCREWS**

- 4.2 x 13MM
- 4.2 x 19MM

**WOOD SCREWS****ANCHOR**

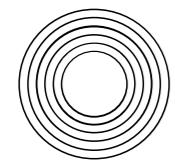
M8 & M10 Anchors

**CHANNEL NUTS**

M8 & M10 - No spring

**WEDGE NUT**

M8 & M10



FIXING & SUPPORT

**CLAMPS**

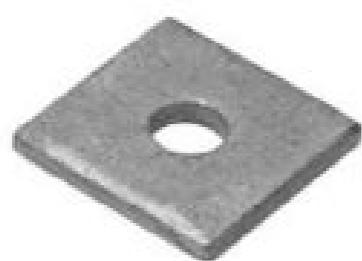
2.5MM & 3MM Thickness

**WASHERS, BOLTS & NUTS**

M8 & M10

**CHANNEL END CAPS**

Channel End Caps- 40x40 & 40x20

**PLATEWASHERS**

M8 & M10

SLOTED CHANNELS

- 40X40 1.5MM
- 40X40 2.5MM
- 40X20 1.5MM
- 40X20 2.5MM

CANTILEVER ARMS

100MM - 1000MM

**3M RODS**

M8, M10, M12, M16, M20, M24

CUTTING DISCS

115MM Cutting Discs

KSE - ANTI VIBRATION MOUNTS

S&P Anti Vibration Mounts

FLEXIBLE DUCTING



COMBI FLEXIBLE DUCTING

Combi-Flex is a lightweight Aluminium Polyester and black PVC laminated flexible duct.

6 metre per box.

Combi flexible ducting is a type of ventilation duct designed for use in various HVAC (Heating, Ventilation, and Air Conditioning) systems. What sets it apart is its "combi" or combination design, which typically includes a flexible inner core surrounded by a layer of insulation and an outer protective covering.



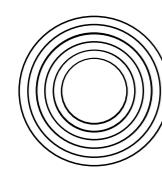
INSULATED FLEXIBLE DUCTING

Insulated flexible ducting is a specialized type of air duct designed for HVAC (Heating, Ventilation, and Air Conditioning) systems. It features a flexible inner core enclosed by an insulating layer, typically covered with an outer protective sheath. This insulation helps to maintain the temperature of the air being transported, reducing heat loss or gain during distribution. Insulated flexible ducting is commonly used in both heating and cooling applications, ensuring energy efficiency and minimizing condensation issues. It's a versatile and efficient solution for maintaining indoor comfort, especially in environments where temperature control and air quality are essential.



NON-INSULATED FLEXIBLE DUCTING

Non-insulated flexible ducting is a type of air duct used in HVAC (Heating, Ventilation, and Air Conditioning) systems that lacks an insulating layer. Instead, it typically consists of a flexible inner core enclosed by an outer protective covering. While non-insulated ducting is more straightforward and cost-effective compared to its insulated counterpart, it is primarily used in applications where thermal insulation is not a critical factor. It is suitable for distributing air in environments where temperature control and energy efficiency are not top priorities, such as certain industrial settings or areas where insulation is not necessary, like non-conditioned spaces.



FILTERS & FILTER BOXES



PLEATED FILTERS

Pleated filters, also known as pleated air filters or furnace filters, are a common type of air filtration media used in HVAC systems and air purifiers. These filters are constructed by folding or pleating a flat sheet of filter material, creating a larger surface area within a compact frame. This design allows pleated filters to trap a greater amount of airborne particles, such as dust, pollen, pet dander, and even some airborne pathogens, as they pass through the filter. They are easy to install and replace, making them a popular choice for improving indoor air quality in residential and commercial settings, helping to reduce allergens and maintain a cleaner and healthier environment.



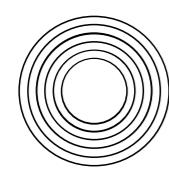
BAFFLE FILTERS

Our baffle filters are the ultimate solution for efficient and effective kitchen exhaust filtration. Engineered for both residential and commercial kitchens, these filters provide a range of benefits that ensure a cleaner, safer, and more comfortable cooking environment. Our baffle filters are designed with a multi-layered, zigzag pattern that effectively traps and collects grease, preventing it from entering the ventilation system. This grease capture capability reduces the risk of clogs, fire hazards, and costly ductwork cleaning.



FILTER BOXES

Explore our range of high-quality filter boxes, designed to enhance air filtration efficiency in various applications. Whether you're looking to improve indoor air quality, protect HVAC equipment, or ensure a clean and safe workspace, our filter boxes are the solution you need. Our filter boxes are versatile and can be used in residential, commercial, and industrial settings. They are suitable for use in HVAC systems, air handling units, and a variety of filtration systems.



DAMPERS & ACCESS DOORS



FIRE DAMPERS

Explore our comprehensive range of fire dampers, the vital components for fire safety and smoke control in commercial, industrial, and residential buildings. Fire dampers are an essential part of any fire protection system, and we offer a variety of options to meet your specific requirements. Our fire dampers are rigorously tested and engineered to meet or exceed local and international building and fire safety codes. You can trust our products to keep your building in compliance with regulations.



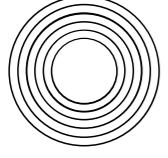
SQUARE ACCESS DOORS

Our square access doors are designed to provide easy and efficient access to concealed spaces within walls, ceilings, or floors. These versatile doors are perfect for residential, commercial, and industrial applications, offering a range of features and benefits to meet your access needs. Crafted from high-quality materials, our access doors are built to withstand wear and tear while maintaining structural integrity. They are resistant to corrosion and designed for long-term use.

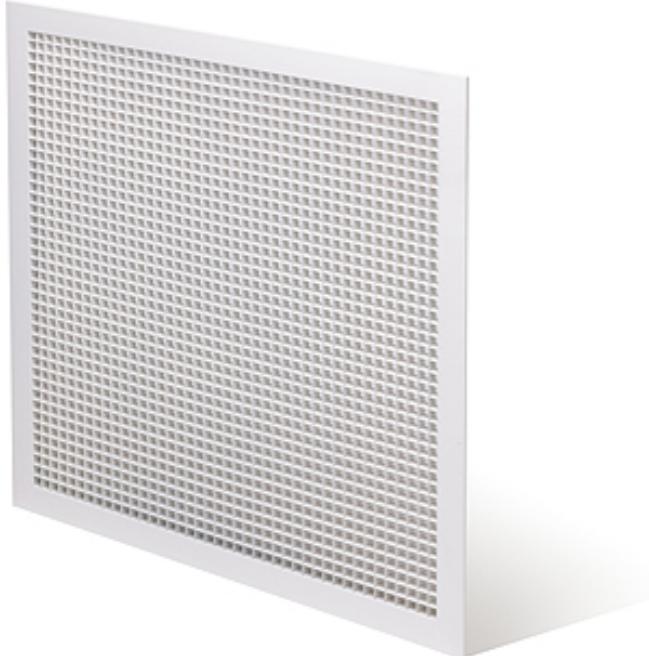
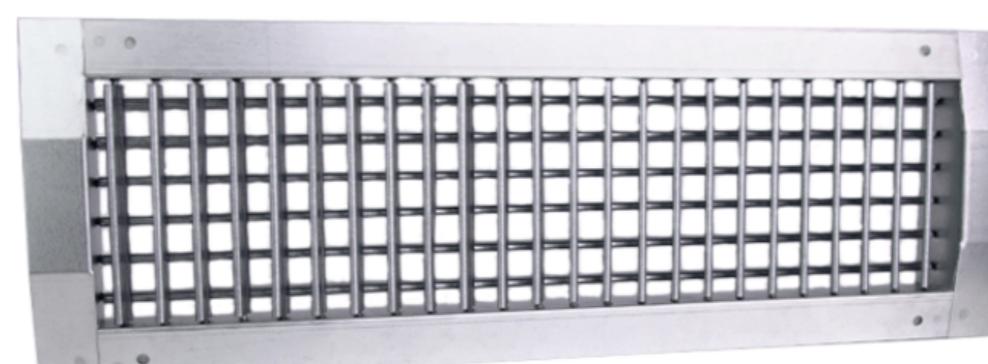


CURVED ACCESS DOORS

Our curved access doors are an innovative solution for providing discreet access to service areas while seamlessly integrating with curved architectural designs. These versatile doors offer a unique combination of functionality and aesthetics, making them an ideal choice for various residential, commercial, and institutional spaces. Installing our curved access doors is hassle-free. With easy-to-follow instructions and user-friendly features, you can create access points to concealed areas for maintenance, repairs, or inspections without compromising the design aesthetics.



GRILLS & LOUVRES

**EGG CRATE GRILLES****SQUARE LOUVRES****DIFFUSERS****SUPPLY VALVES****EXTRACT VALVES****ROUND CEILING DIFFUSERS****CIRCULAR WEATHER LOUVRES****VOLUME CONTROL GRILLS**

FLASHINGS

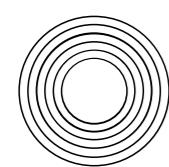


RUBBER ROOF FLASHING - BLACK

Our rubber roof flashing products are designed to protect your roof from the elements while ensuring a watertight and weather-resistant seal. Engineered for durability and performance, our rubber roof flashing solutions are essential components for roofing, plumbing, and ventilation projects. Explore the key features and advantages of our rubber roof flashing:

- 1. Superior Weather Resistance:** Our rubber roof flashing is made from high-quality, weather-resistant materials designed to withstand extreme temperatures, UV exposure, and harsh outdoor conditions. It provides long-lasting protection against water intrusion and leaks.
- 2. Versatile Application:** Our roof flashing is suitable for a wide range of roofing materials, including asphalt shingles, metal roofing, and flat roofing systems. It can also be used in plumbing and HVAC installations for pipe penetrations and vent pipes.
- 3. Easy Installation:** Installing our rubber roof flashing is a straightforward process. It comes with clear instructions and user-friendly features, ensuring that both professional contractors and DIY enthusiasts can achieve a proper and secure installation.
- 4. Durable Sealing:** Our roof flashing forms a durable seal around roof penetrations, such as chimneys, skylights, vents, and pipes. This seal is essential for preventing water damage and maintaining the structural integrity of your building.
5. Long-Term Performance: Our rubber roof flashing is designed to provide reliable, long-term performance. It resists cracking, tearing, and degradation over time, ensuring that your roof remains protected.
6. Leak Prevention: Properly installed roof flashing is crucial for preventing leaks and water damage. Our rubber flashing provides a dependable barrier against rain, snow, and other forms of moisture.
7. Expert Support: Our team of experts is available to assist you in selecting the right rubber roof flashing for your project. We can provide guidance on proper installation techniques and compatibility with roofing materials.

Protect your roof and building from water intrusion and leaks with our premium rubber roof flashing solutions. Browse our catalog to find the ideal flashing for your specific needs. Contact us today for more information and to ensure the durability and longevity of your roofing and ventilation systems.



TAPES, SEALANTS & DUCTWRAP

ALUMINIUM FOIL TAPES

5cm, 7.5cm and 10cm



DOBY GASKETS

Our HVAC duct gaskets are designed to provide the crucial sealing required for heating, ventilation, and air conditioning (HVAC) systems. These gaskets play a vital role in maintaining energy efficiency, indoor air quality, and the overall performance of your HVAC setup.



BOSTIC SEALANT

Explore our range of Bostik sealants, designed to meet a wide array of bonding and sealing needs across various industries and applications. Bostik is a name synonymous with quality and reliability, and our sealants are no exception. Bostik sealants are known for their exceptional performance, providing strong and durable bonds in a variety of environments. They are designed to withstand extreme temperatures, moisture, UV exposure, and chemical exposure.



MAKRO TEKNİK SEALANT

Discover our range of Makro Teknik sealants, known for their exceptional sealing capabilities and trusted by professionals in various industries. Makro Teknik sealants are engineered for a wide array of applications and are recognized for their reliability and performance.



ODE STARFLEX GLASSWOOL

Starflex ODE Glasswool is an exceptional insulation product designed to meet the rigorous demands of modern construction and industrial applications. This high-quality glasswool insulation is renowned for its outstanding thermal and acoustic properties.



SILENCERS



Silencers - 100MM - 710MM

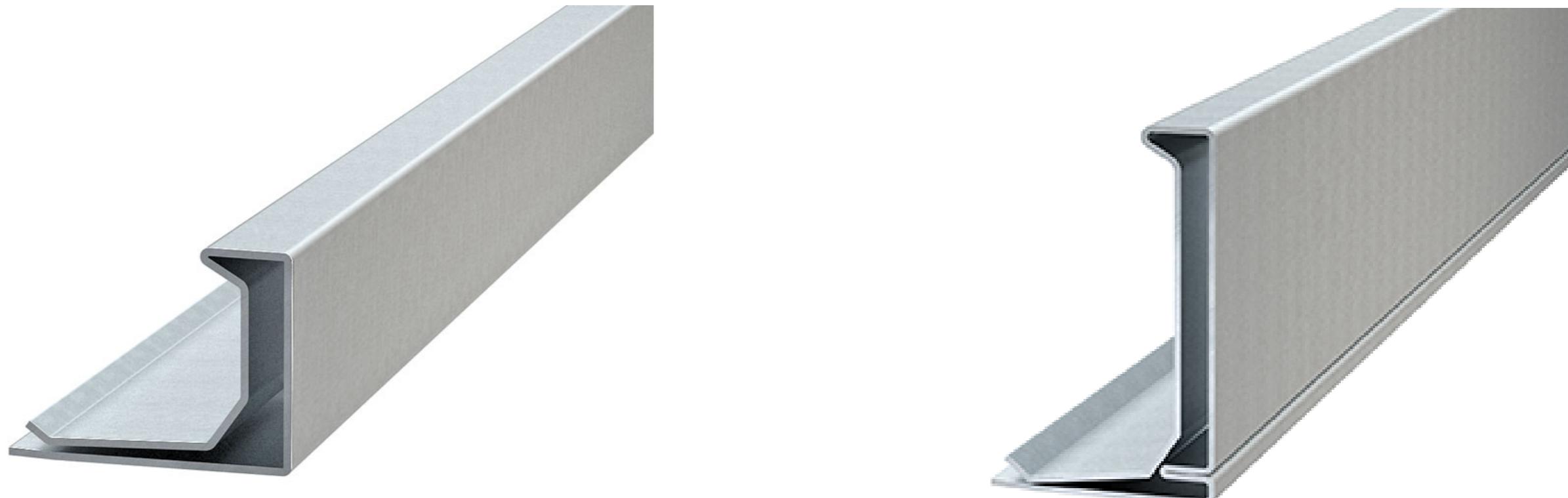
Our ducting silencers are the solution you need to significantly reduce noise levels in your HVAC and ventilation systems. These innovative components are engineered for noise control in both residential and commercial applications, ensuring acoustic comfort and optimal system efficiency. Explore the key features and advantages of our ducting silencers:

- 1. Noise Reduction:** Our ducting silencers effectively reduce the noise generated by air or gas flow within ductwork, making them ideal for creating quieter and more comfortable indoor environments.
- 2. Versatile Applications:** These silencers can be integrated into various ducting systems, including supply air, return air, and exhaust ducts. They are suitable for use in HVAC, industrial, and commercial settings.
- 3. Minimal Airflow Resistance:** Our ducting silencers are designed to mitigate noise while minimizing pressure drop, ensuring that the airflow remains efficient and energy-efficient.
- 4. High-Quality Construction:** Crafted from durable materials, our silencers can withstand the demands of ducted systems and provide long-lasting performance.
- 5. Compliance and Safety:** Our ducting silencers meet industry standards for fire resistance and safety, contributing to a safe and code-compliant environment.
- 6. Custom Solutions:** We offer a variety of sizes and configurations to accommodate different ducting systems. If your project requires a unique solution, our expert team can provide custom ducting silencers tailored to your specific requirements.
- 7. Expert Support:** Our knowledgeable professionals are available to assist you in selecting the right ducting silencers for your project. We provide guidance on proper installation techniques and product compatibility.

Elevate acoustic comfort and energy efficiency in your ducting systems with our premium ducting silencers. Browse our catalog to find the ideal silencer for your specific application. Contact us today for more information and to experience the benefits of noise reduction and improved system performance with our ducting silencers.



FLANGES



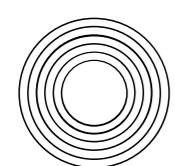
FLANGES - UK STANDARD & EUROPEAN STANDARD

Ducting Flanges: Meeting European and UK Standards for Quality and Performance

Our range of ducting flanges is engineered to adhere to the highest industry standards, ensuring exceptional quality and reliable performance in both European and UK markets. These flanges play a crucial role in ductwork systems, providing secure connections, enhanced airflow, and durability. Explore the key features and advantages of our ducting flanges designed to meet European and UK standards:

- 1. Superior Quality:** Our ducting flanges are crafted with precision and care, using premium materials that meet the stringent requirements of European and UK standards. This ensures that they are robust, durable, and dependable.
- 2. Secure Connections:** These flanges are designed to create secure and airtight connections in ducting systems. They help prevent air leakage and ensure efficient airflow, which is essential for HVAC and ventilation systems.
- 3. Compliance with Standards:** Our ducting flanges are meticulously manufactured to comply with European and UK standards, including EN and BS specifications. This guarantees that they meet the strict quality and safety requirements for your projects.
- 4. Versatile Applications:** Our flanges are suitable for a wide range of ductwork applications, from residential and commercial HVAC systems to industrial ventilation setups. They are designed to accommodate various duct sizes and materials.
- 5. Easy Installation:** Installing our ducting flanges is straightforward, making it accessible to both professionals and DIY enthusiasts. Their user-friendly design ensures a secure and efficient connection, reducing installation time.
- 6. Expert Guidance:** Our team of experts is available to assist you in selecting the right ducting flanges for your project, ensuring they meet the specific European or UK standards required. We can also provide advice on proper installation techniques.

Choose our premium ducting flanges to guarantee that your HVAC and ventilation systems meet European and UK standards for quality and performance. Browse our catalog to find the ideal flange for your specific application. Contact us today for more information and to experience the benefits of secure connections and efficient airflow with our ducting flanges.



CONTACT INFO

Contact Makro Tech

If you have any inquiries, require additional information, or need assistance with our products and services, please don't hesitate to reach out to us. Our dedicated team is here to help you.

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Website:

Visit us online at www.makroteknikexpress.co.uk for more details about our products and services.

Our team is ready to assist you and provide the information you need to make informed decisions about our products and services. We look forward to hearing from you and working together to meet your requirements.