

-85°C ... +400°C



**MATZEN SCHLAUCH-TECHNIK**  
HIGH-TEMP · HIGH-TECH · HIGH-FLEX



## AEROSPACE

For the international aviation industry the **MST-Group** manufactures flexible hoses and shaped ducts for various applications on the ECU/ECS, APU, cabin climitisation, ventilation, cooling, grey-water in galleys and lavatories. These components cover a wide temperature range from  $-85^{\circ}\text{C}$  to  $+400^{\circ}\text{C}$  and can be supplied with insulation or heated, if required.

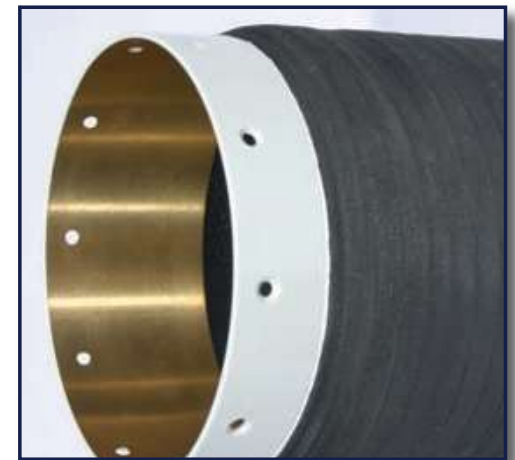
Quick-Connectors and an ultra-light ventilation hose, developed to comply with the specific requirements of the leading airframe manufacturers are a further



contribution by the **MST-Group** to optimize the sourcing and the assembly with reducing the total weight at the same time.

With fuel jettison sleeves and hoses for ventilation of pilot suits, convoluted bellows for sealing off staircases and drain hoses for condensates there are most reliable **MST**-products aboard.

Under all defined conditions of application **MST**-products do comply with the highest levels of requirements for quality and **safety** and provide ultimate **availability**.





# TRANSMOTIVE



Vehicle- and engine manufacturers are provided by the **MST-Group** with permanent reliable flexible hoses, convoluted bellows and elbows for air-intake, turbo charging, coolant and oil circuits. The usage of high performance materials and advanced contact and connection technology contributes to the availability of **MST-System Components** at rising pressures and elevated temperature ratings up to +280°C as they result from the high performance density of modern engines and demanding field conditions.

Using a sophisticated pressing technology **MST** joins highly elastic bellows with metal tubes generating complex duct work that contributes to optimize procurement and assembly. Optional features are acoustic and thermal insulation as well as electrical heating.



**MST-climatisation** hoses and shaped ducts also convince in the field of railway and marine applications by simple assembly provided with unique snap-nozzles and compliance with the highest flameability requirements.

Under all defined conditions of application **MST-products** do comply with the highest levels of requirements for quality and maximum **life time** and provide an outstanding **in-service-time**.



• flexible solutions that work - created in Germany •





INDUSTRY

Inside industrial machines and equipment **MST** hoses, bellows and shaped ducts are the flexible components of the ducting. They efficiently assure any compensation during various processes like compressing, ventilation and extraction, lifting, filling, discharge, heating, sealing and shielding. Some main fields of applications are generator-sets, compressors, handling/vacuum technologies, waste water treatment and industrial drying inside which flexible **MST** hoses perform well under high loads and all circumstances, contributing much to maintain continuous operation.



To serve distinctive application needs **MST** has created an exclusive assortment of flexible hoses with qualities „Premium – Standard – Low Cost“ offering always an advantageous relation of costs towards requirements.

Under all defined conditions of application **MST**-products do comply with the highest levels of requirements for quality and **endurance** and grant for a sustained **efficiency**.



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SYS-TECH

The **MST-Group** has created the R+D and service company **MST Sys-Tech** to form an application oriented platform for integration of components and systems which supports and contributes internally and externally to all areas of hose related activities of Joint-Developments, System-Engineering, System-Integration. For developments, projects, R+D and production well equipped research and testing facilities are made available by **MST Sys-Tech**.

One further major activity is to establish highest internal standards and specifications forming the basis for evaluation and procurement of materials and services.

The result is a constant high quality of finished products.

The team members of **MST's Application-Consulting and Engineering-Advise** and support with high competence and in close dialog customers and projects until the task requirements are fully met by a fit-for-function product for which the series production can be started.

By centralizing **Quality Assurance** of the **MST-Group** it is safeguarded that the applicable international standards will be followed and applied at all sites.



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COMPANY

Since its start in 1992 **MST Matzen Schlauch-Technik** maintains to be a company run by the founder and sole proprietor showing a continuous dynamic development. The key issues of the living company's philosophy are reliability, sustainability and the constant search for improved solutions.



Based on Joint-Development **MST** co-operates successfully with international partners, supported by the engineering and inhouse testing and pilot production facilities. Depth of production reaches up to 80

per cent. The main part of the raw materials utilized are produced inside the **MST-Group** and many compounds are based on own formulations. The production applies the most modern and sophisticated winding technologies, extrusion with and without reinforcement, vulcanization in hot air ovens and steam autoclaves, compounding mills and calanders for forming rubber sheetings.

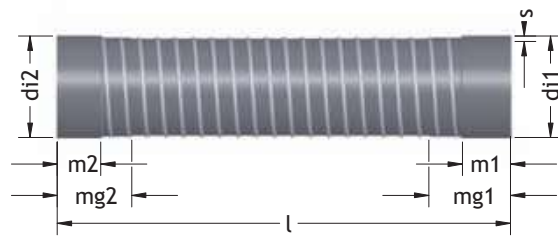
The headquarter of the **MST-Group** of companies is Lüneburg. From the mediaeval salt town belonging to the metropolitan region of Hamburg international sales, the production sites, R+D, logistics, supply-chain-management, personal and financial services are co-ordinated.

**MST** follows with its global strategy the objectives to achieve to be close to the reach of customers as well as maintain the advantages of a most flexible and responsive SME-type of company by continuously setting up and extending international sites.

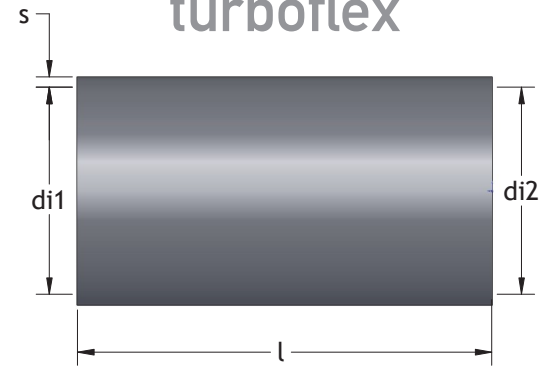


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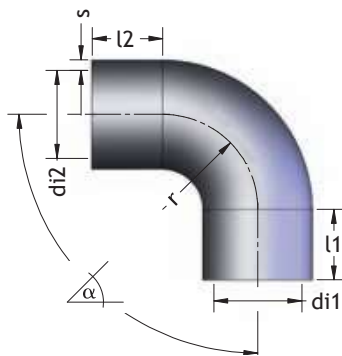
airflex



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