

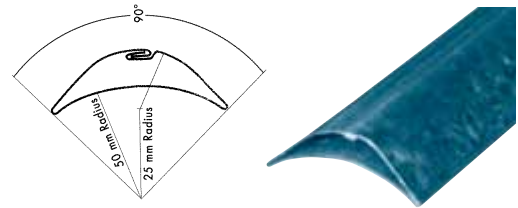
Turning vane system for air conduction in inner squinch

2.2.1.1 MEZ-TURNING-VANE-SET

- for inner squinch from 30° till 90° radius

MEZ-AIRFOIL Valve blade

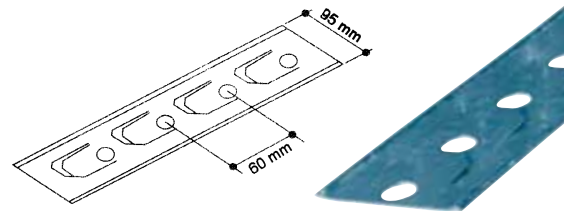
- Low noise emissions through smooth surface
- Siped tread profiled from a single piece and beaded together
- High stability
- Inner radius 50 mm



Art.-Nr.	Material	Material thickness mm	VPE m	Weight kg/m
160/1	Galv. steel	0,80	300	0,696

MEZ-FASTRAC Profil (Side section)

- Fastening profile for MEZ-AIRFOIL blade
- Die-cut lamination span 60 mm
- Simple assembling



Art.-Nr.	Material	Material thickness mm	VPE m	Weight kg/m
160/2	Galv. steel	0,70	300	0,514

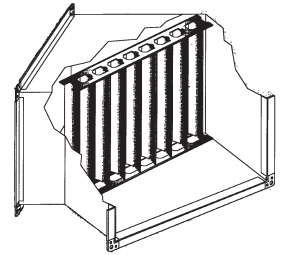
Accessories:

MEZ-FASTRAC Fastening tools

Art.-Nr.	VPE units
160/3	1

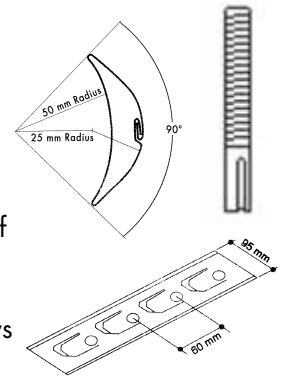
Turning vane system for air conduction in inner squinch

- Specially developed for air conduction in inner squinch
- Low noise emissions and reduction of friction through smooth surface of air duct blades
- The air duct blade profiled from a single piece and beaded together guarantees a regular air flow
- The MEZ[®]-Fastrac valve blade fastening profile has a die-cut span of 60 mm allowing for a uniform distance amongst the air duct blades.
- The special MEZ[®]-Fastrac fastening tools facilitates quick assembling without spot welding or riveting.

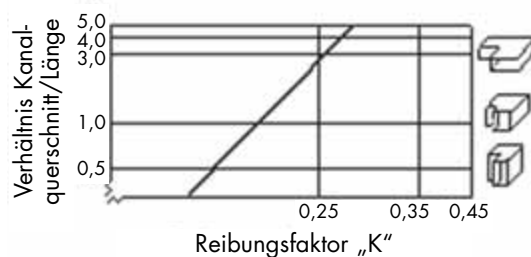


Design Specifications

- The inner squinch from 30° till 90° should have air duct blades with the distance amongst them not exceeding 60mm.
- The air duct blades should have an inner radius of 50 mm and the maximum length of an unprotected blade should not exceed 1250 mm.
- The complete air duct system needs to be fastened in the air duct using rivets or screws



Leakage loss



MEZ-TURNING VANE Setting up

- To obtain the cutting length of the MEZ[®]-FASTRAC lamination-fastening profile, take a measure of the inner squinch's diagonal. This is done to assemble the MEZ[®]-AEROFOIL air duct blade.
- On the first complete mounting plate, measure a distance of 30 mm from the centre line of the mounting hole. Cut the lamination fastening profile here, ensuring that the first plate is not damaged in the process.
- Starting from the cutting edge, measure the required length of the lamination-fastening profile – minus 30 mm. On the last mounting plate, cut the lamination-fastening profile – minus 30 mm from the centre of the mounting hole. Ensure that the next plate is not slit in the process.
- Bend the plates 90° along the centre line of the mounting hole. The direction of the curvature is to be the same as that of the beading.
- Cut the air duct blades as per the duct interior height minus 6 – 8 mm. Place all valve blades with curvature against the newly formed openings (because of the bent plates), onto a lamination fastener.
- Starting from one end of the lamination fastening profile, stick the plates into the lamination blades. If needed use a mallet to hammer in the plates.
- To fasten the air duct blades and the lamination fastening profile, insert the fastening tool (with the curved end pointing to the seams) into the fastening hole.
- Using a mallet, hammer in the fastening tool, thereby cutting the valve blade and coupling it onto the fastening plate.
- Insert the complete turning vane kit into the duct. Thereby is the first blade, 60 mm away from the inner edge of the arch.
- Eventually the lamination fastening profile has got to be adjusted in such a way that the complete turning vane kit fits into the duct

