



MB Seal

Flexible Dichtelemente
für Spritzgießwerkzeuge

Installation instructions for MB-Seal®

Support of MB-Seal®

To ensure sufficient stability against the cavity pressure and Our sealing elements should achieve optimal heat dissipation tool steel inserts are embedded.

Installation of MB-Seal®

Is always in the complete sealing area movable and fixed tool side, contribute. MB-Seal® should always protrude approx. 0.1 mm in the parting plane. This protrusion leads to compression of the sealing elements when the tool is closed and should depend on the insert geometry in the If necessary, can be determined or calculated. Due to the deformation of MB-Seal® can detect irregularities on the insert, e.g. punched Cut surfaces or complicated molded part geometries, in the closed tool can be reliably sealed against the melt flow.

Tolerances can also be compensated with MB-Seal® potential Tolerance compensation (independent of thickness) for angular inserts: 0.1 mm each Side to the parting plane 0.1 - 0.15 mm in total in the transverse direction for round inserts: approx. 0.2 mm in diameter. The contour of the cut in the sealing elements must be made with an allowance. The insert is accordingly always larger than the existing cut-out in the sealing element. Due to the good sliding properties of MB-Seal®, the insertion process is unproblematic.

Fastening MB-Seal®

The flexible sealing elements can be fastened by means of clamps, screws, or by means of a nonpositive connection using locking pins.

Please note! The

Insert should not have any burrs or undercuts in the area to be sealed. This can lead to scraping during the insertion process and thus lead to premature failure of MB-Seal®. With rectangular cross-sections, the tool separation should be in the punching direction lie. In the area to be sealed, the insert should not be bent, because in addition to the tolerance of the crosssection, the bending tolerance and the positioning accuracy can lead to higher wear. It is beneficial adapt the contour of sealing areas made of MB-Seal® to the cut surface of the insert. MB-Seal® should not be installed in the gate area, as here is a risk of it being washed out. Specially painted inserts should not come into contact with the metallic in the nonovermolded areas Tool wall have and must therefore be exempt, or depending on use case can also be supported with MB-Seal®.