

APPLICATION 11.06

Coupling elements in plastics-injection moulding tools

Description:

An application in a two-component-plastics-injection moulding tool. To mould a workpiece from two plastics components the front tool plate is reversed by 180° between both moulding procedures.

In the shown construction hydraulic hoses were used for oil supply of the hydraulic core pull. At the swinging process these have been destroyed many times and leaking hydraulic oil has caused great damage.

With the solution concept by HYDROKOMP the coupling elements disconnect and connect the oil supply at every swinging process in this application in pressureless state.

Besides the improved production process also safe operation and the reject rate have been substantially improved.

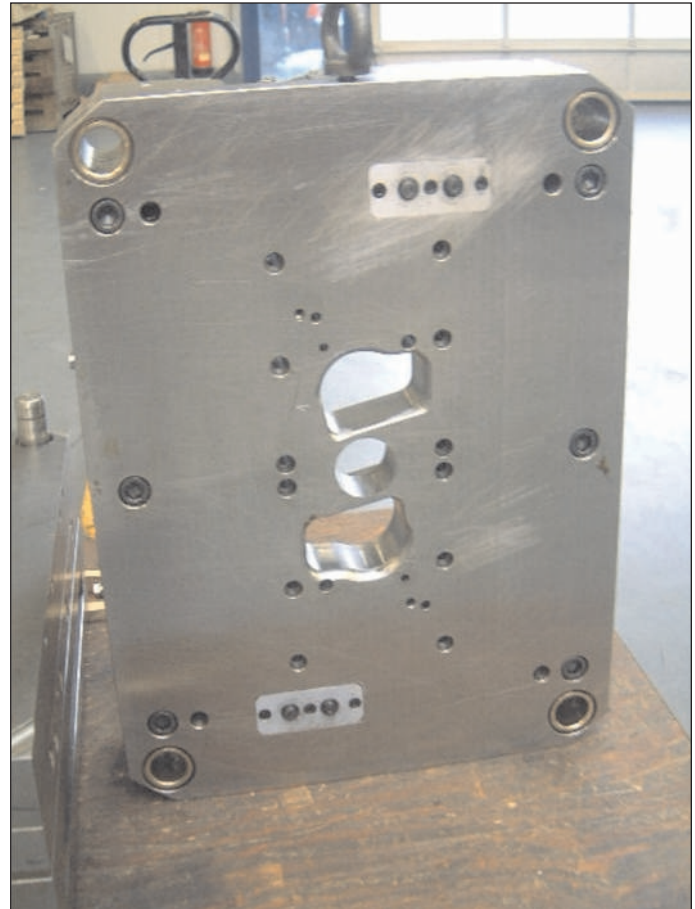
All coupling elements are made of stainless materials. This also allows the transfer of air and water.

Assembled elements:

- 2 x Coupling mechanism
KM-460-5-EG001
- 4 x Coupling nipple
KN-460-5-S001k

Data sheets to the used elements:

- **100-3** (Coupling elements)
- **100-4** (Multiple coupling systems)



Front tool plate, rotation-symmetrical positioning of coupling nipples for 0° - respectively 180° setting.



Coupling elements in non-moving tool plate