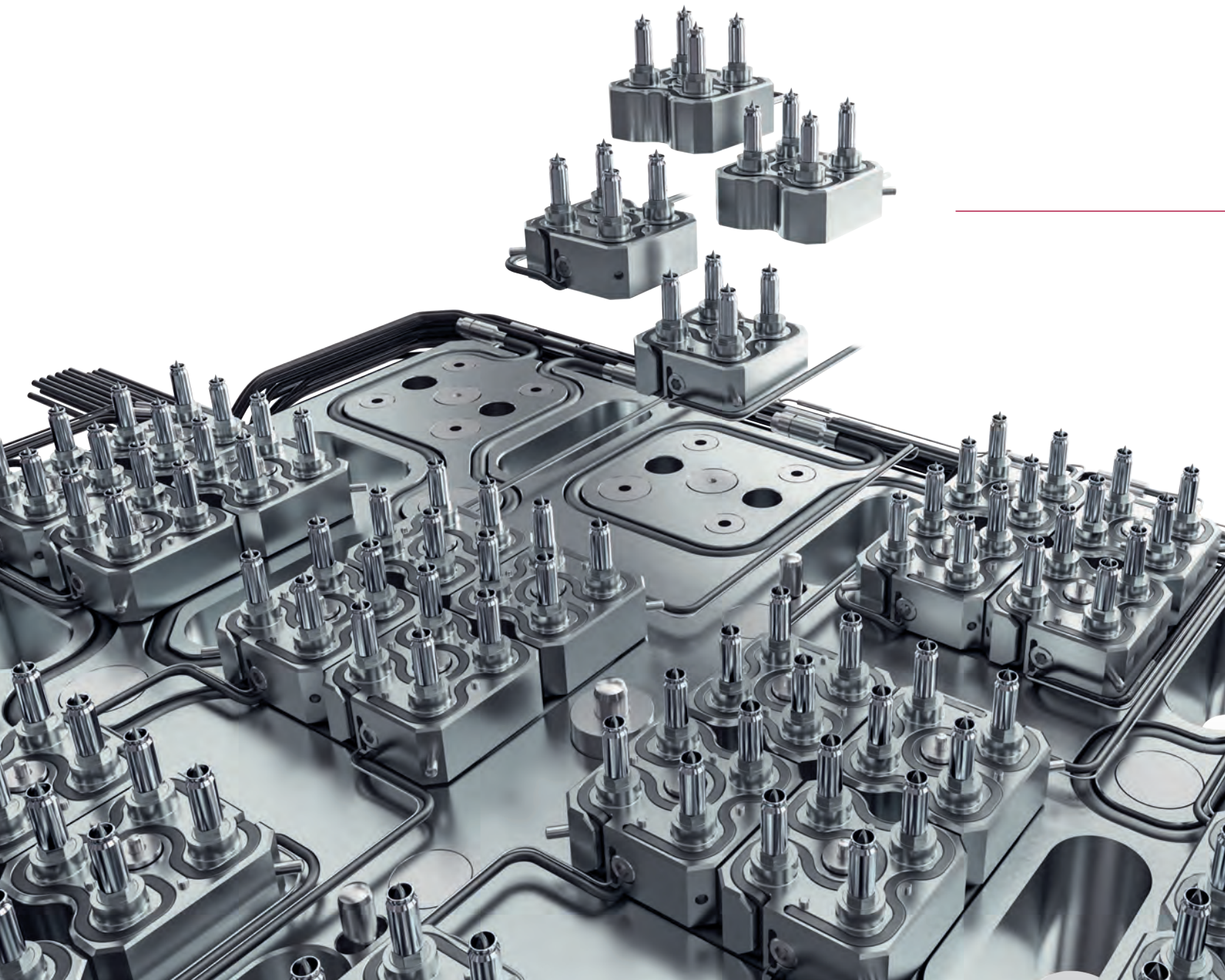


The solution for high-cavitation moulds.
Micro-manifold technology



For polyolefines and small shot weights.

The solution for high-cavitation moulds

The use of EWIKON micro-manifold technology allows the process-reliable processing of polyolefines in compact and very stable high-cavitation moulds. Target sectors are the packaging and medical industry where an efficient large-scale production of parts with small shot weights is required.

Standardised design

High-cavitations mould designs are based on standardised 16-drop clusters with 4 micro-manifolds each.

Complete hot halves are available in the following versions:

16-drop

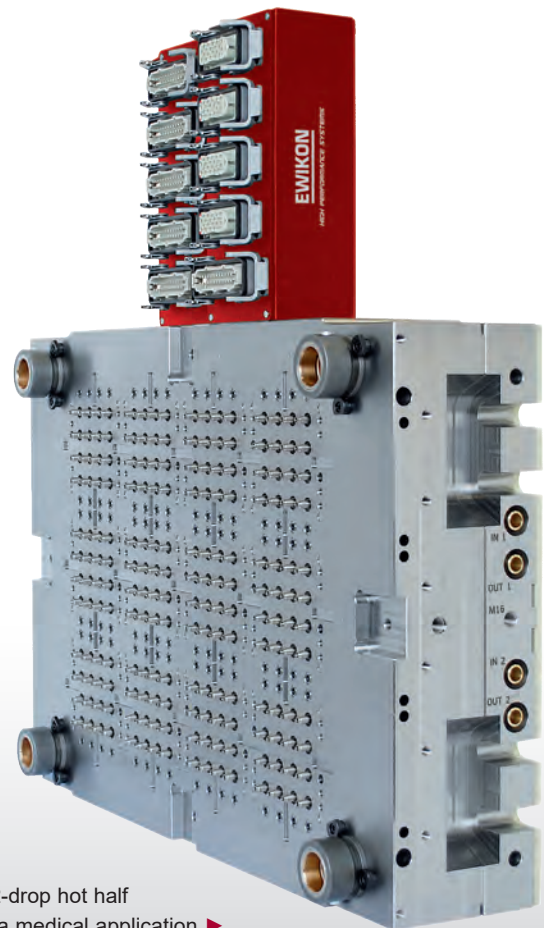
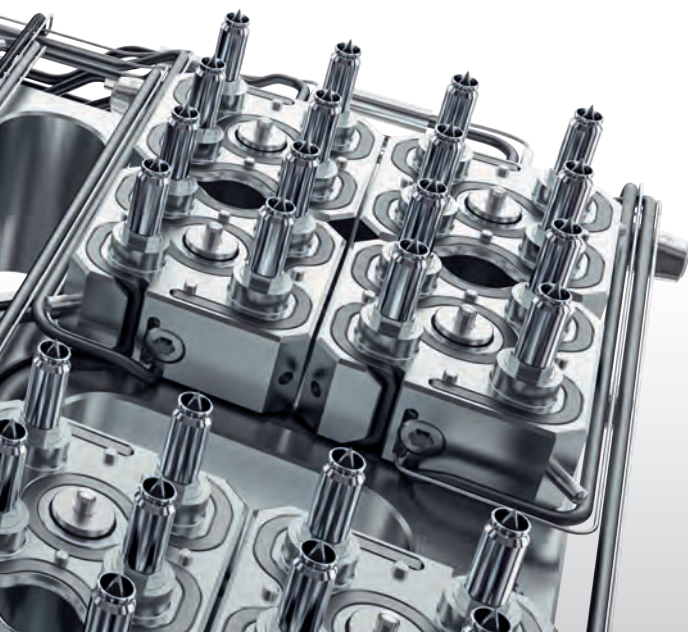
32-drop

64-drop

96-drop

128-drop

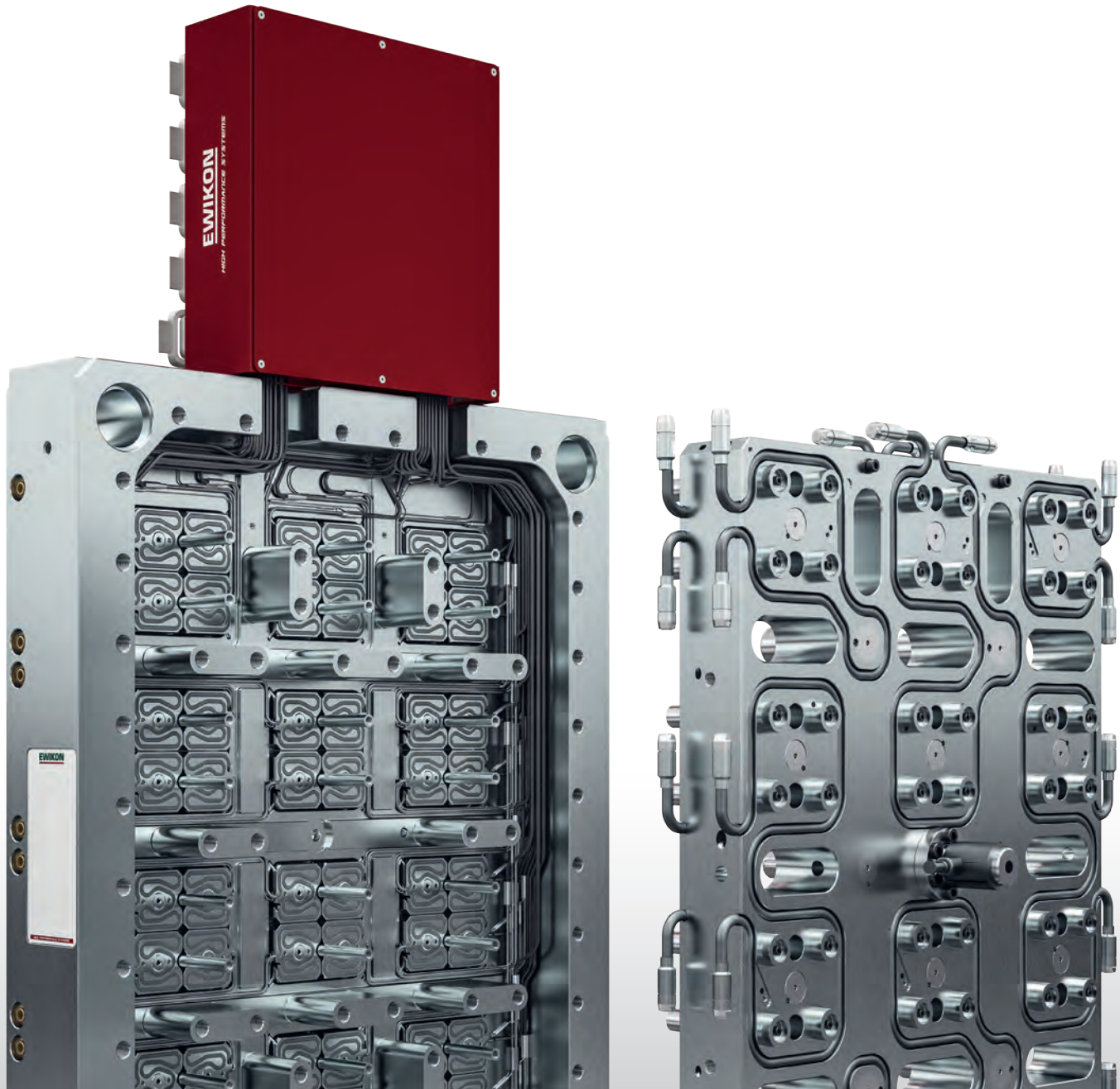
192-drop



192-drop hot half
for a medical application ▶

Product features + Benefits

- Micro-manifolds with four screwed-in heat conductive tip inserts each and very homogeneous temperature profile for the process-reliable processing of polyolefines
- Easy design of moulds with up to 192 cavities based on standardised 16-drop clusters combined with a bridge manifold
- Fully balanced flow channel layout with short flow path lengths, reduced pressure loss and minimised residence times
- Only one control zone required per micro-manifold. Considerably reduced control expenditure
- 30 mm distance between cavities within a micro-manifold
- High maintainability. Easy exchange of tip inserts after removal of the mould inserts
- Reduced space requirement for electric wiring allows very compact moulds with maximum stability
- Cooling supply integrated into the hot half with transition to the mould inserts



■ Compact and stable mould design

With only one control zone per micro-manifold the amount of cables and thus the space in the manifold frame plate which is required for wiring of the system is considerably reduced. Furthermore, no flexible cables are installed in hot areas. A part of the saved space can be used to integrate additional support sleeves or domes into the plate. Therefore, mould designs with micro-manifold technology are not only particularly compact but also very stable.



■ Integrated cooling supply

The cooling supply with transition to the mould inserts is directly integrated into the hot half. This facilitates the layout of the cavity cooling.



■ Easy maintenance

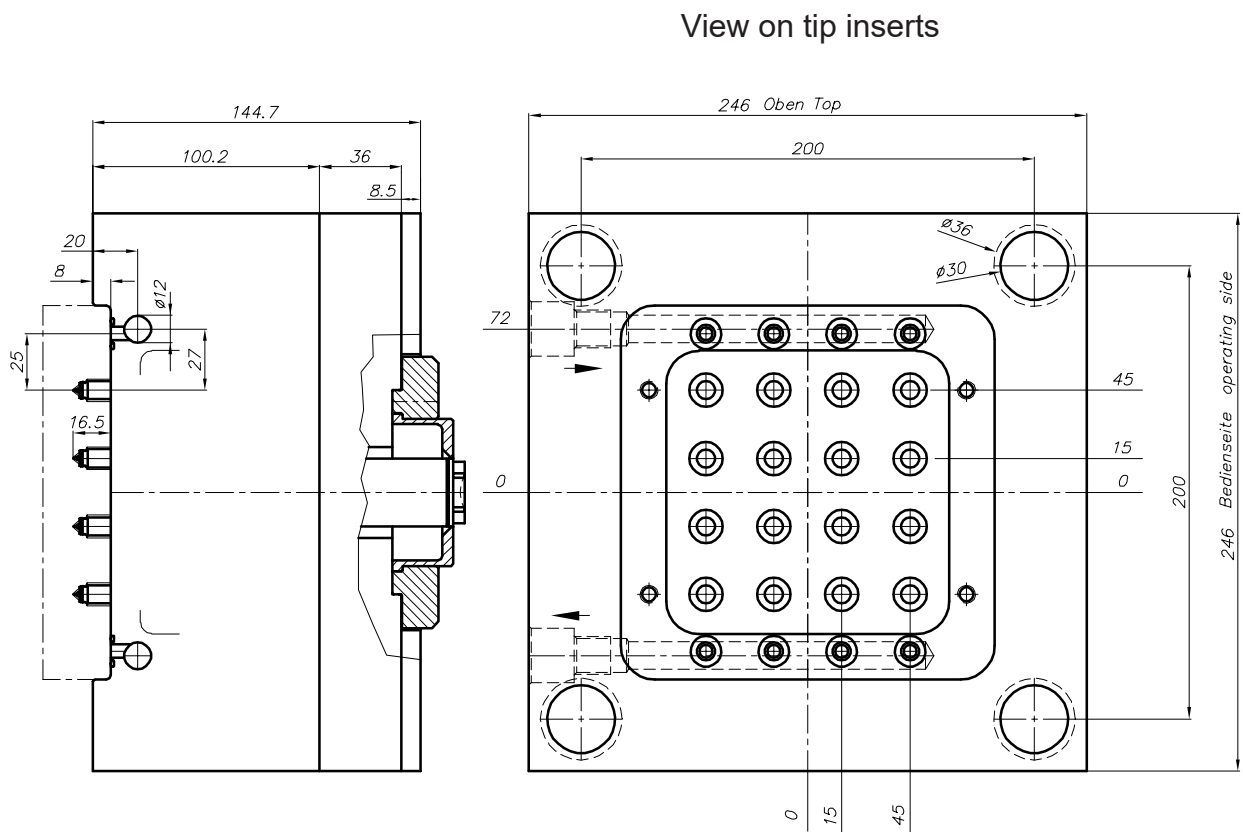
The screwed-in tip inserts can be exchanged easily after removing the mould inserts without having to dismantle the mould from the machine.



Micro-manifold system

Dimensions for hot half

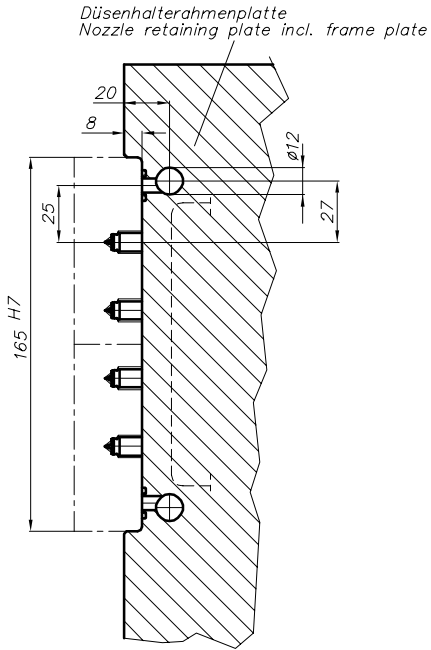
16-drop



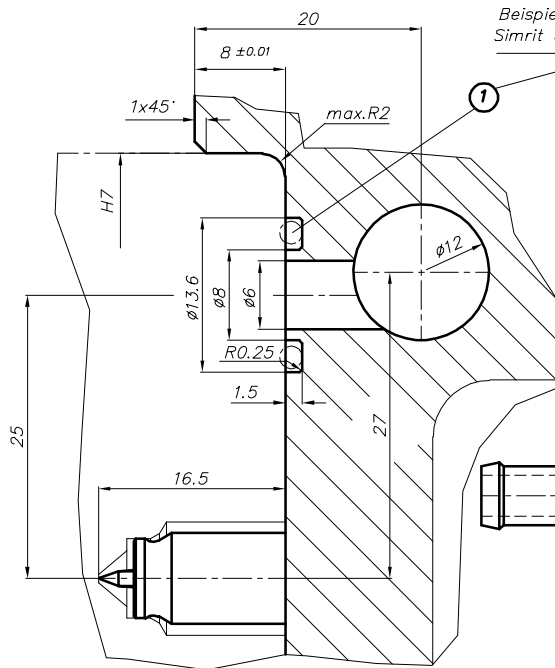
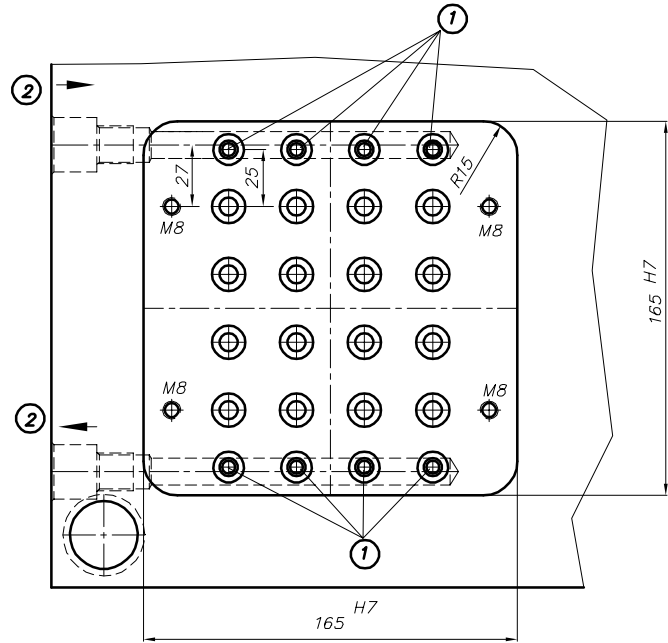
Micro-manifold system

Assembly note for mould insert
and cooling supply

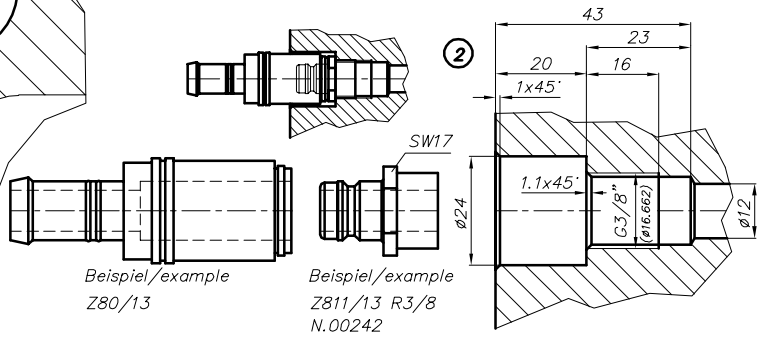
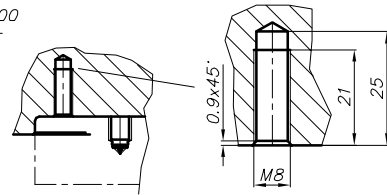
16-drop



View on tip inserts



Beispiel/example
Simrit 80 FKM 610 9.00x2.00

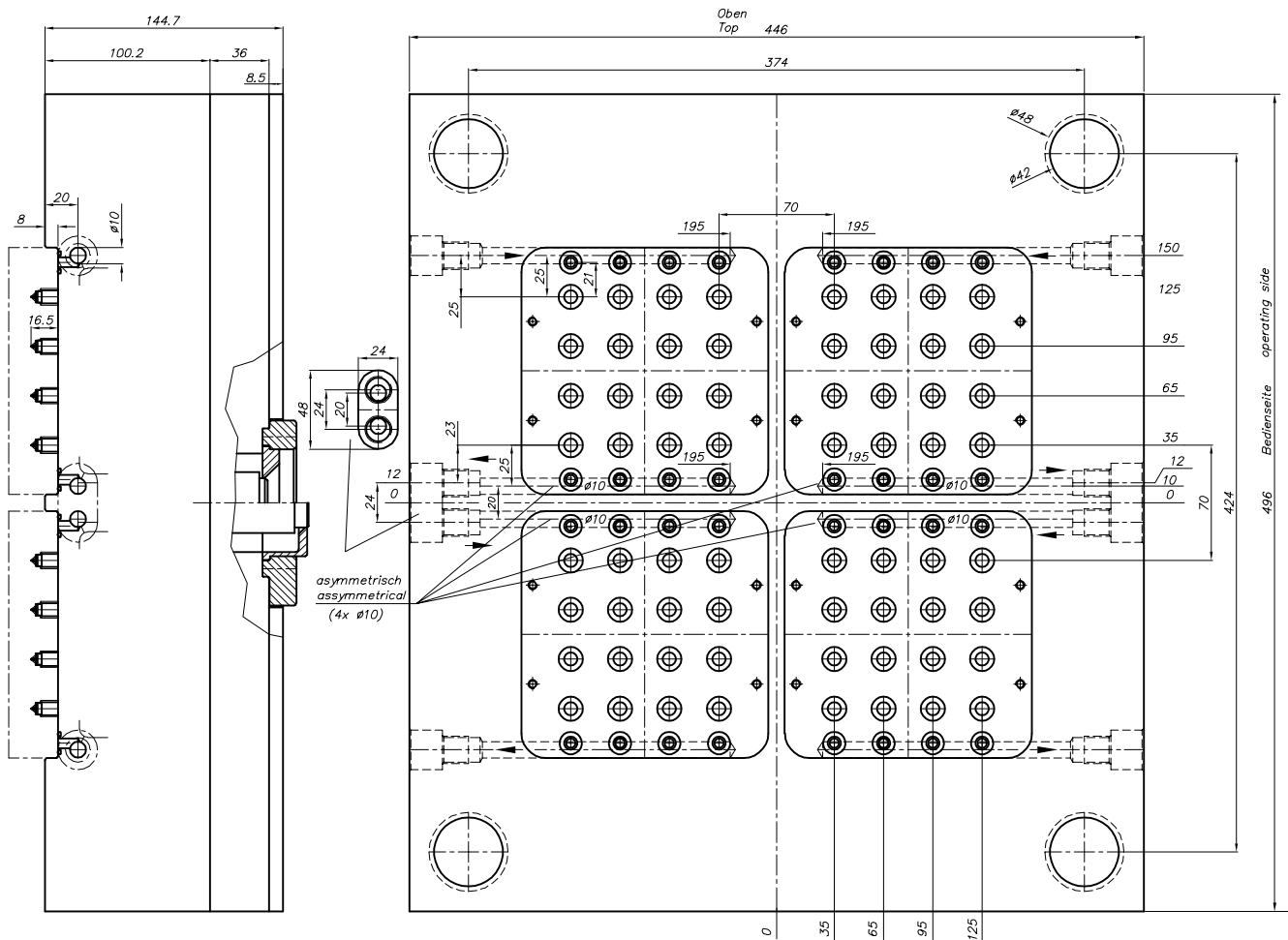


Micro-manifold system

Dimensions for hot half

64-drop

View on tip inserts



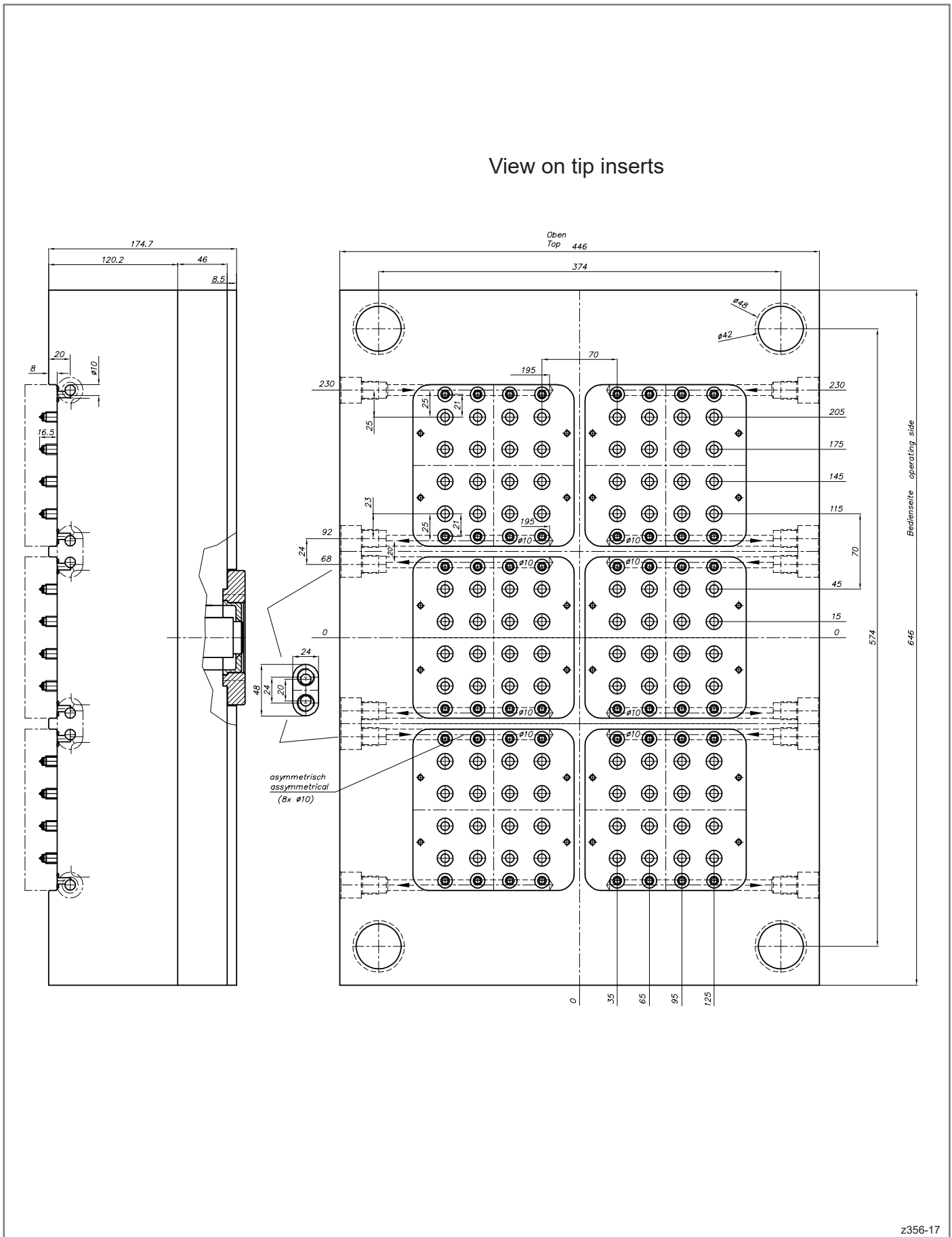
z356-16

Micro-manifold system

Dimensions for hot half

96-drop

View on tip inserts

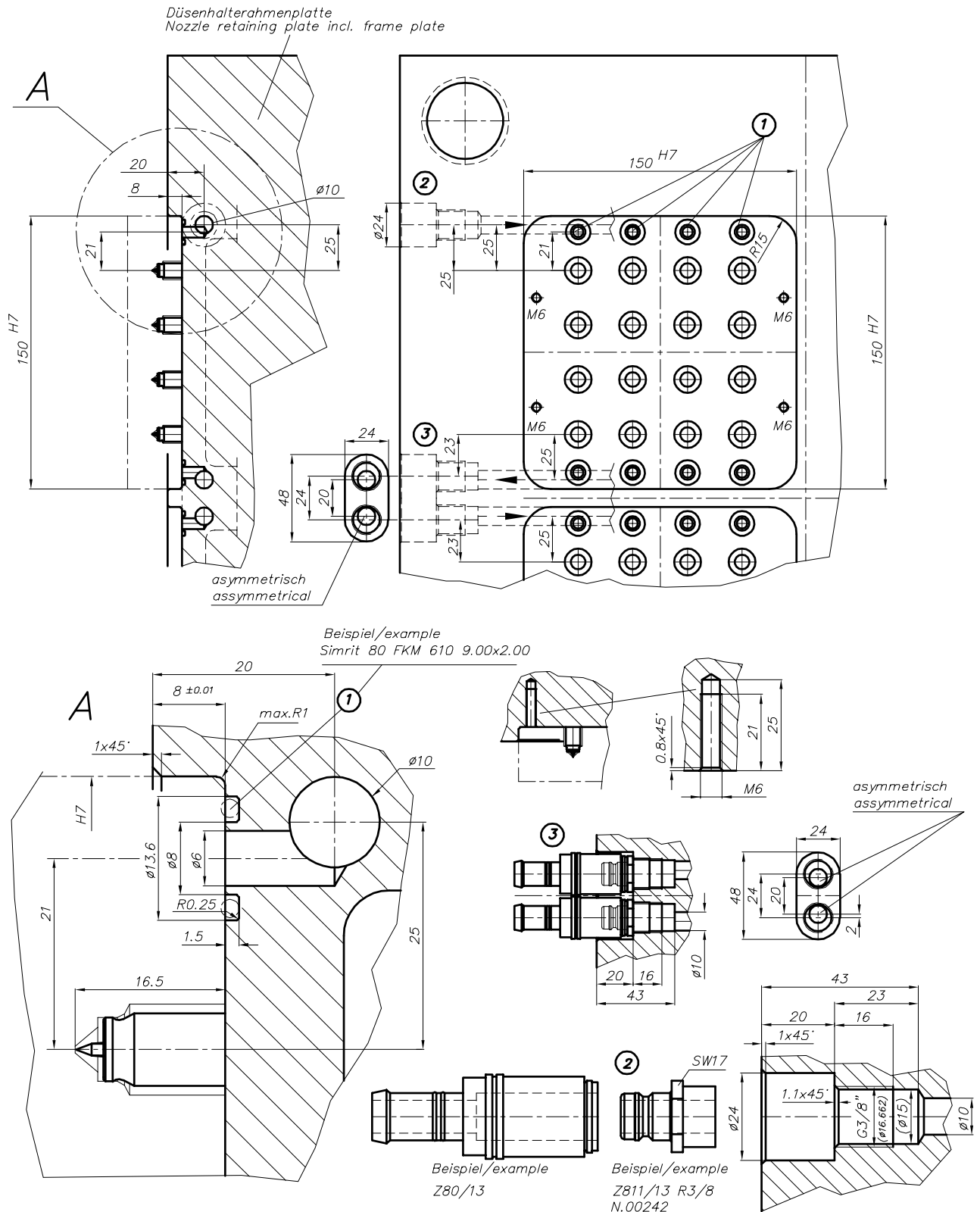


Micro-manifold system

Assembly note for mould insert
and cooling supply

32-/64-/96-drop

View on tip inserts



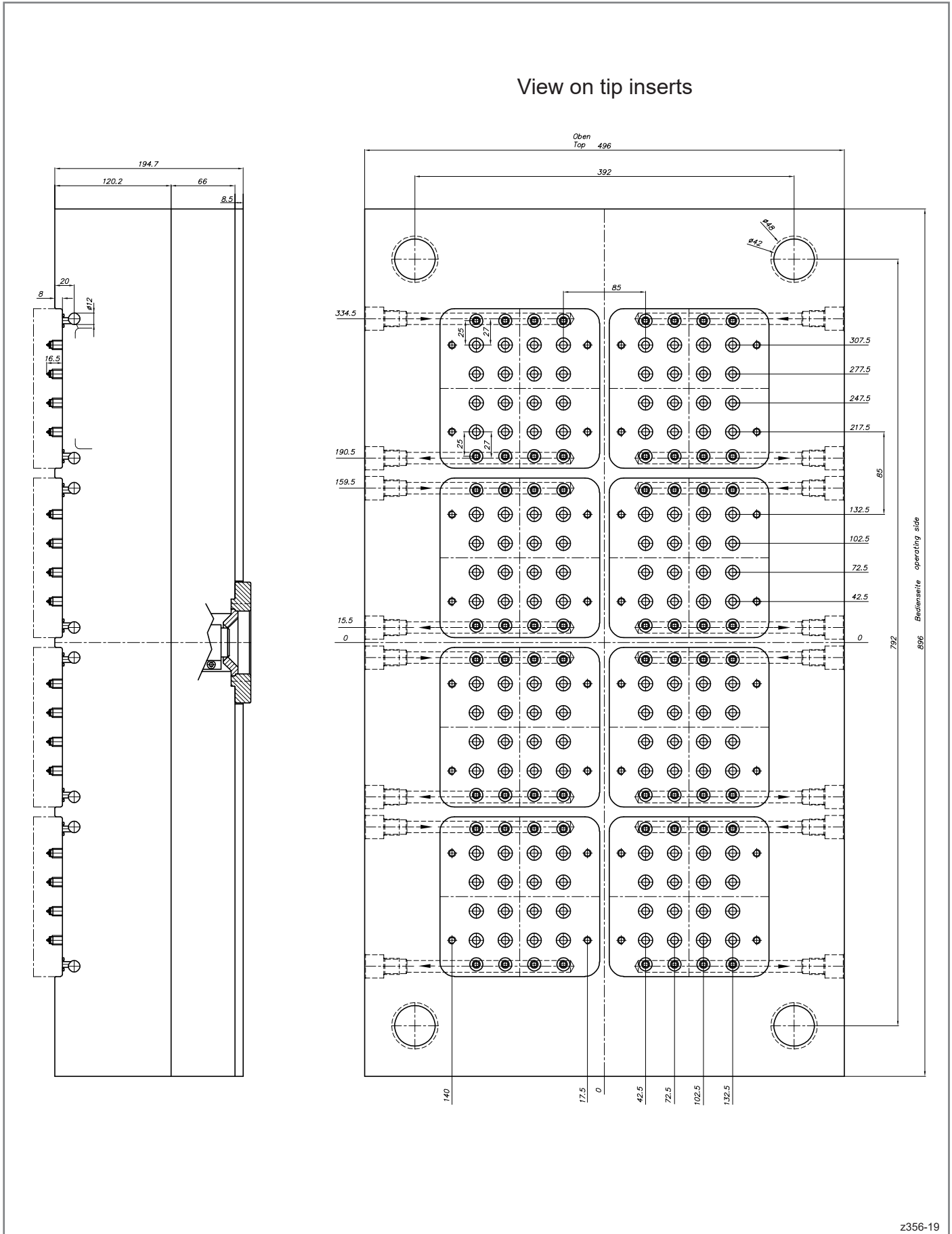
z356-14

Micro-manifold system

Dimensions for hot half

128-drop

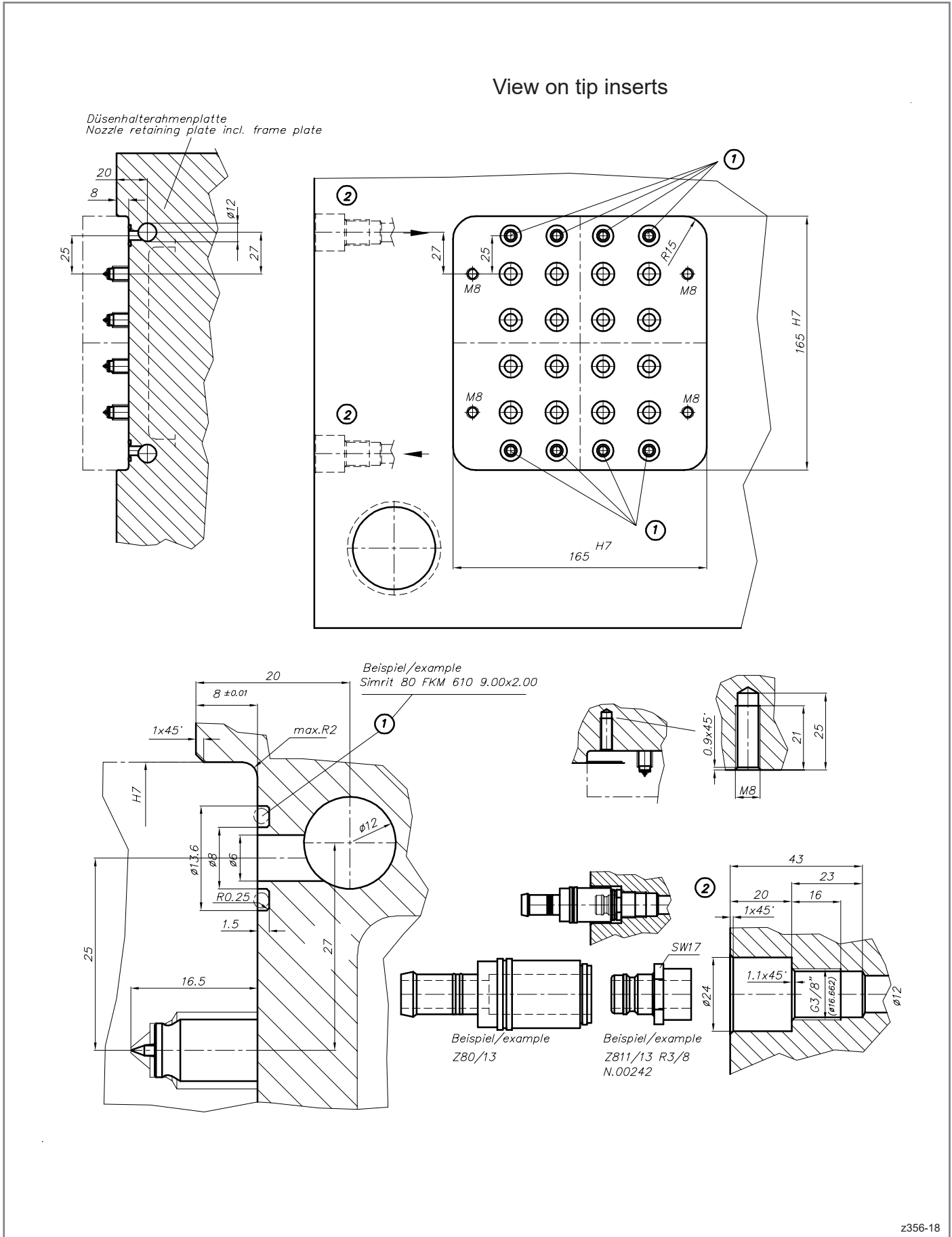
View on tip inserts



Micro-manifold system

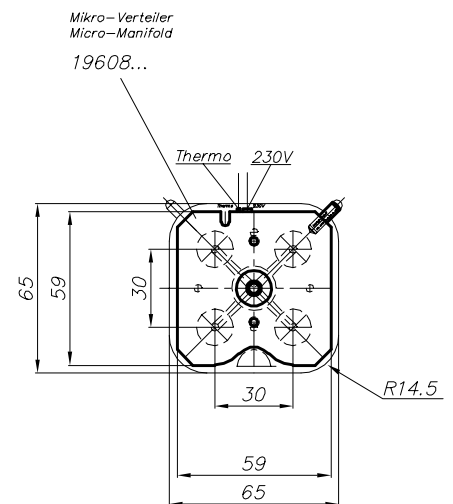
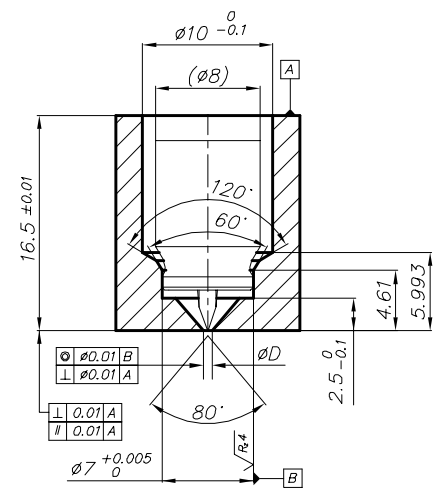
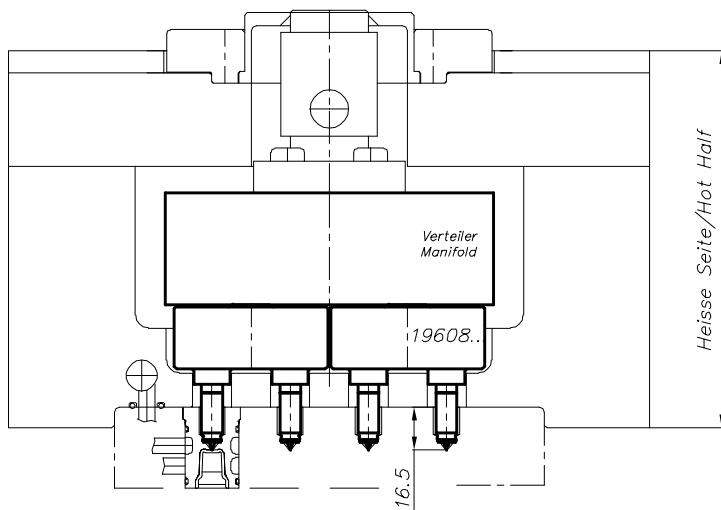
Assembly note for mould insert
and cooling supply

128-/192-drop



Micro-manifold system

Assembly note for tip inserts



z356-21

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