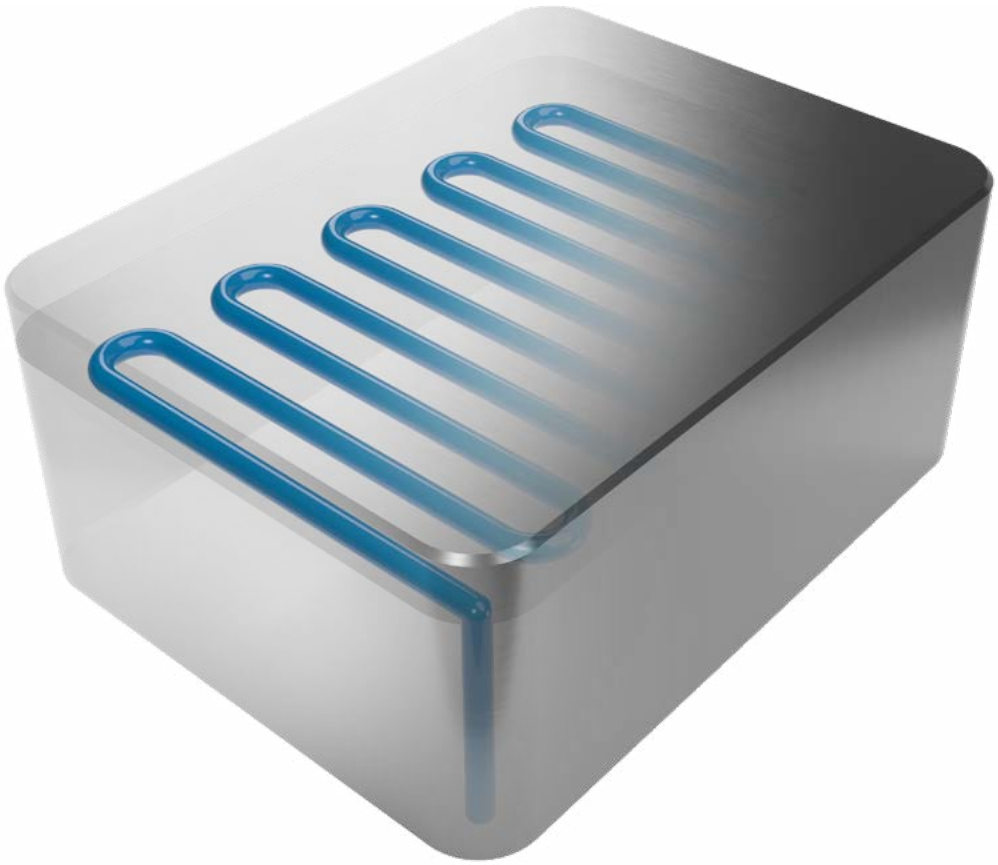
iTherm®

Rectangular Mould Insert with extra stock



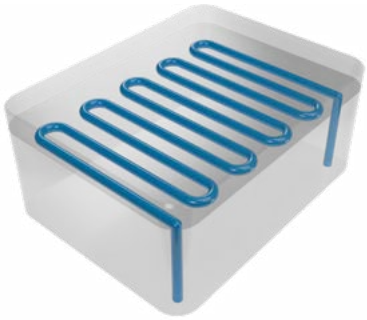
DATA SHEET

HTS

Rectangular Mould Insert with extra stock

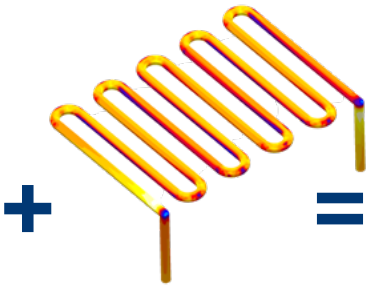
01 Cooling Specification

DESIGN APPROACH



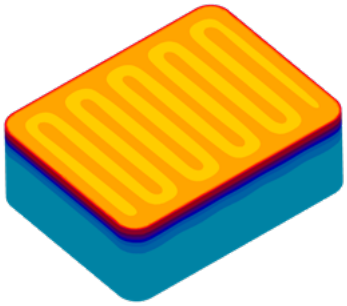
- Optimal cooling of overheated surfaces in the nozzle area.
- Homogeneous cooling of the working surface.
- Circular shape of cooling channels for maximum efficiency.

THERMAL ANALYSIS AND SIMULATION



- Low standard deviation of the temperature field.
- Small pressure differences between the inlet and outlet of the cooling medium.
- High Reynolds number, high turbulence, optimal heat transfer.

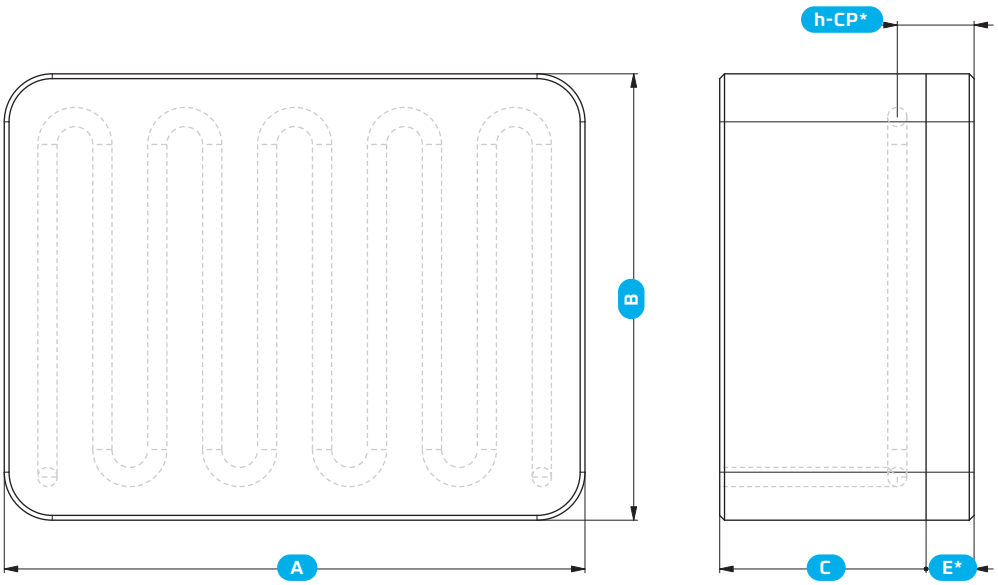
iTherm® RECTANGULAR MOULD INSERT WITH EXTRA STOCK



COOLING POWER OPTIONS

- 10 W/m²
- 15 W/m²
- 25 W/m²

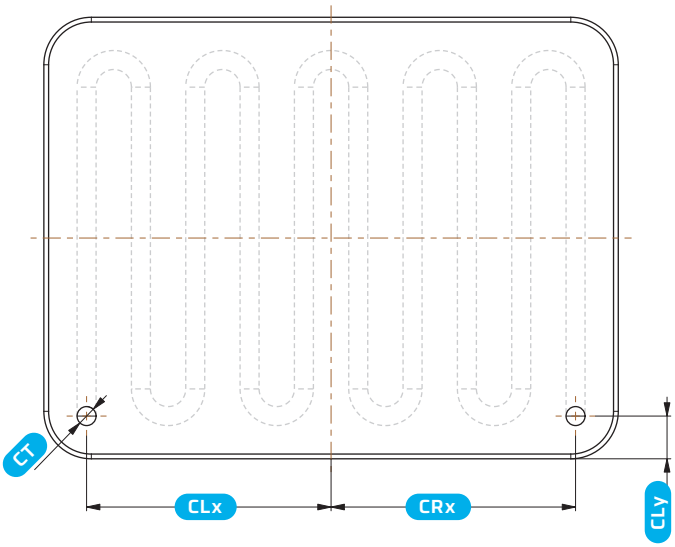
02 Dimensional parameters



*The dimension changes based on the cooling power input
** Extra stock customizable to customer requirements

Name	A	B	C
20MIRFE	40-260	40-260	50-100
22MIRFE	40-260	40-260	50-120
26MIRFE	40-260	40-260	50-120
32MIRFE	40-260	40-260	60-120
38MIRFE	40-260	40-260	60-120
44MIRFE	40-260	40-260	60-120
50MIRFE	40-260	40-260	60-120

03 Connection holes



Name	CLx	CRx	CLy	CT
20MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
22MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
26MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
32MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
38MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
44MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
50MIRFE	0-120	0-120	0-120	1/16" NPT - 1/2"NPT or G1/16" - G1/2"