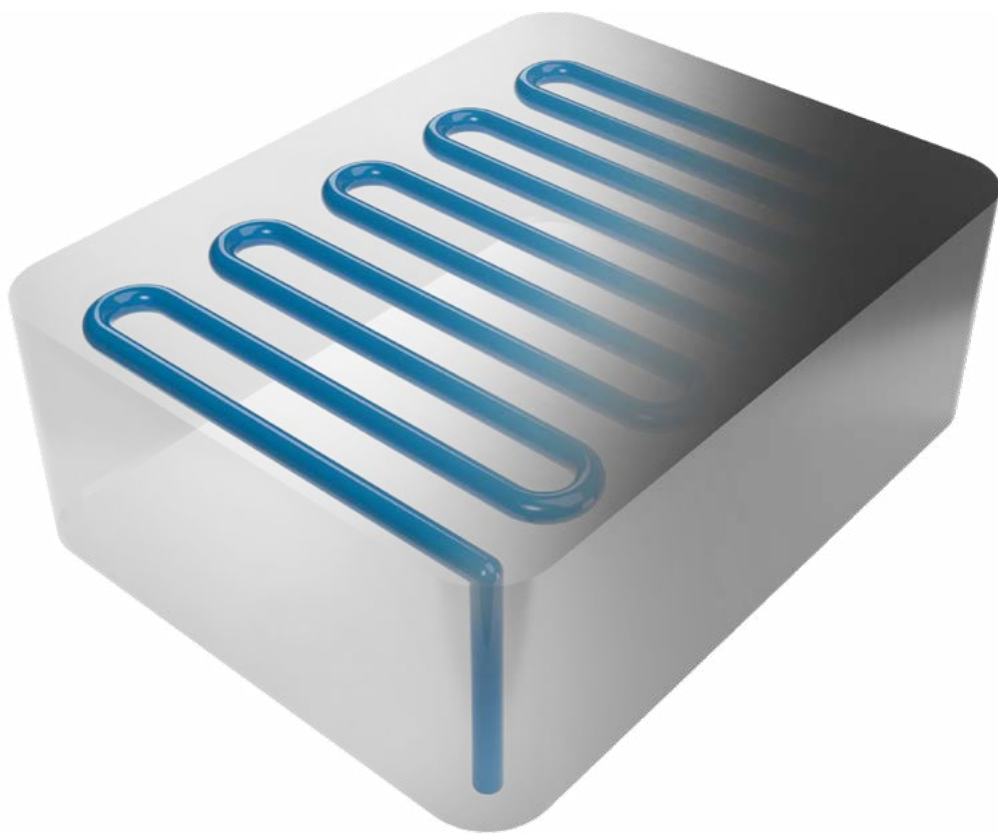




Rectangular Flat Mould insert

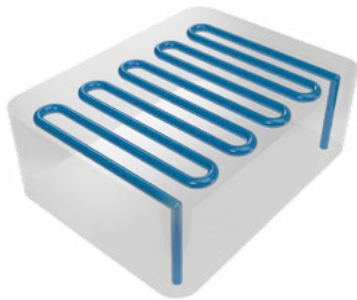


DATA SHEET

Rectangular Flat Mould insert

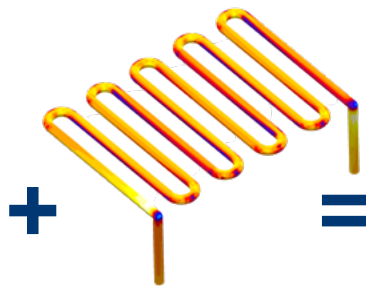
01 Cooling Specification

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.

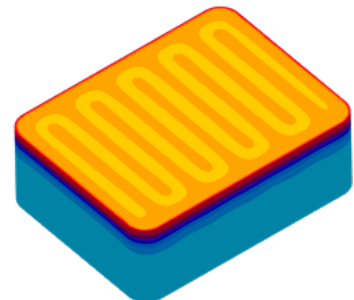
THERMAL ANALYSIS AND SIMULATION



- 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 FLAT MOULD INSERT



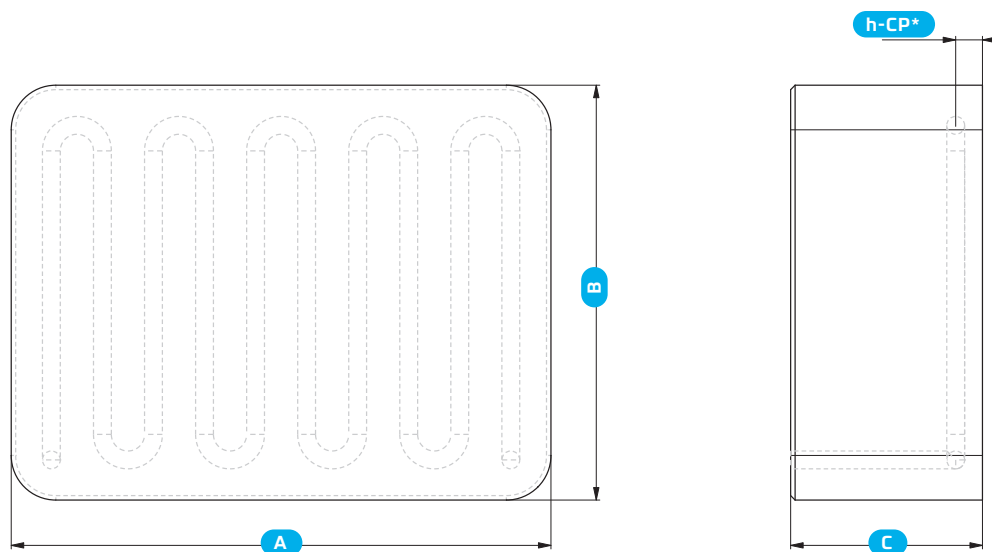
COOLING POWER OPTIONS

10 W/m²

15 W/m²

25 W/m²

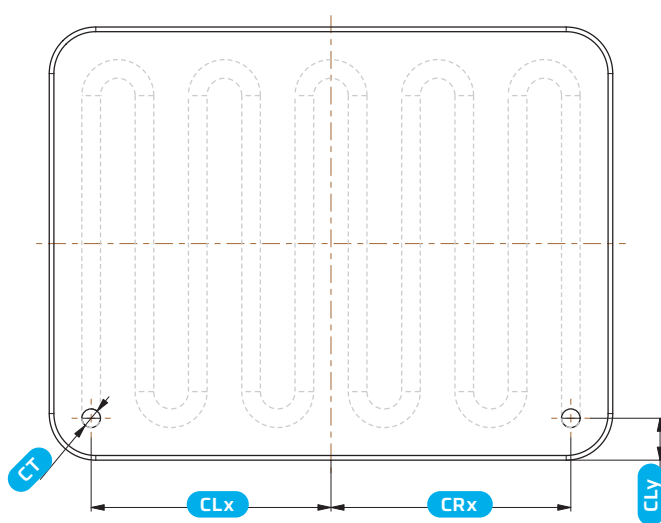
02 Dimensional parameters



*The dimension changes based on the cooling power input

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

03 Connection holes



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