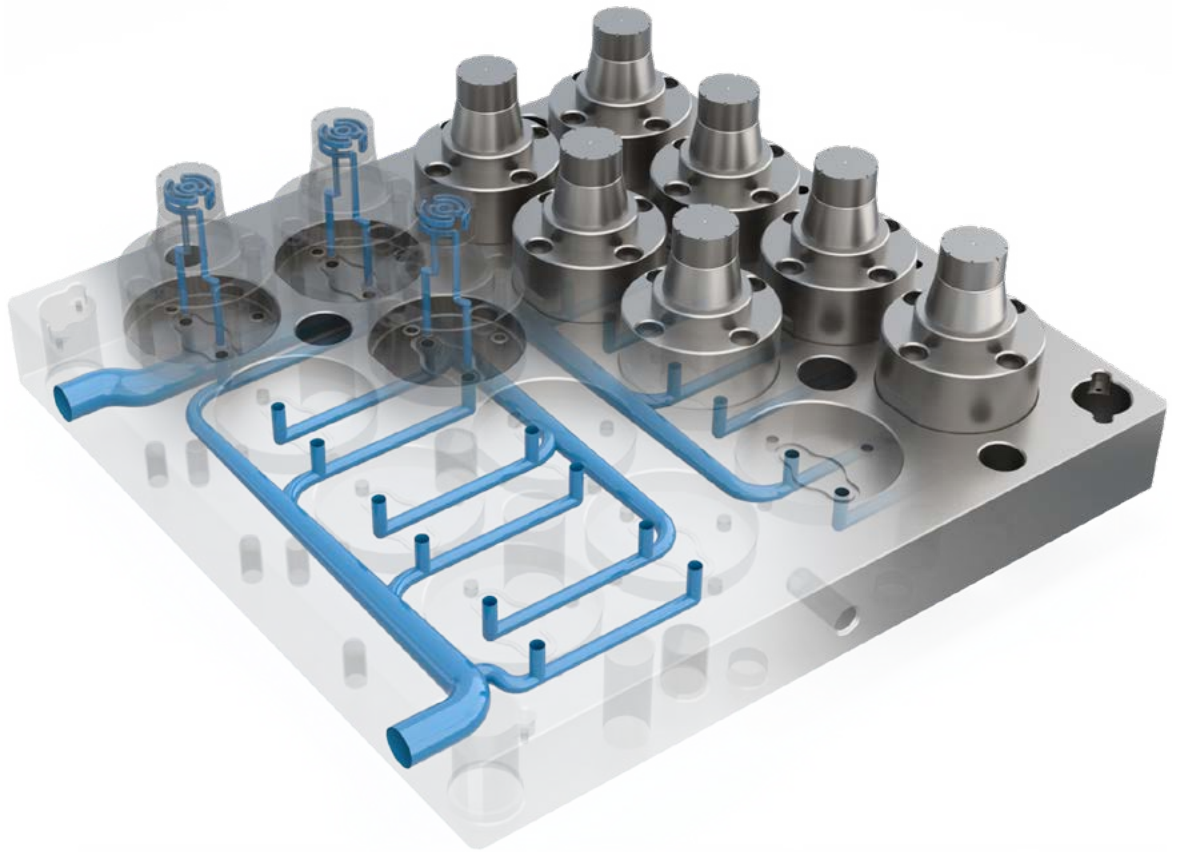


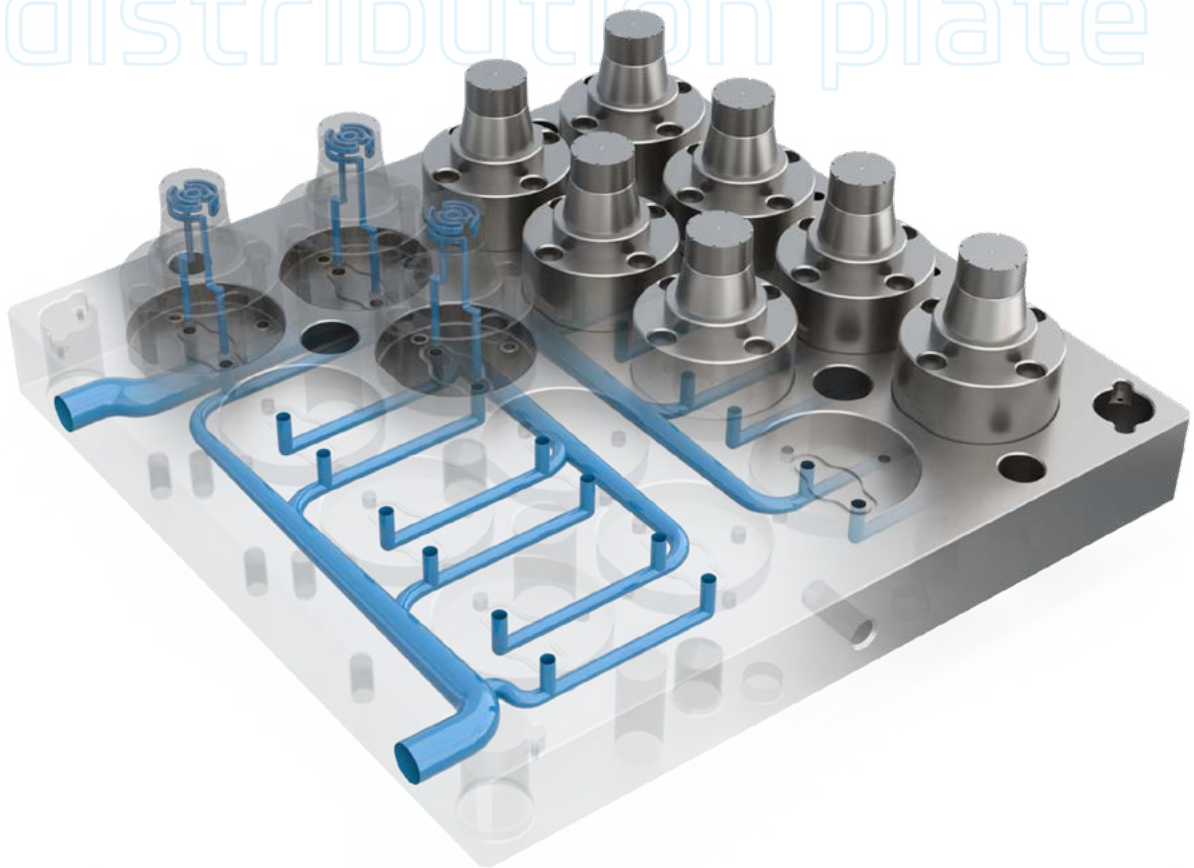
iTherm[®] Water Distribution Plate



DATA SHEET

iTherm® Water Distribution Plate

Water distribution plate



Conformal Design



Tool Steel Material



No leakage



More uniform resin distribution



Quicker color/
material change



Cycle Time Reduction



iTherm® Water Distribution Plate

- **Advanced Manufacturing:** Produced from tool steel using HTS proprietary additive manufacturing for exceptional performance.
- **Monoblock Strength:** Single-body component with mechanical properties equivalent to tool steel monoblock.
- **Customizable Design:** Freely designed channels, optimized for specific cooling requirements, offering flexibility in critical zones.
- **Simplified Assembly:** Only 2 connectors needed for the entire system, reducing tool complexity and speeding up assembly.
- **Reduced Leakage Risk:** Two connectors for the whole system eliminate leakage issues and related downtimes.

Technical Specification



01

Material

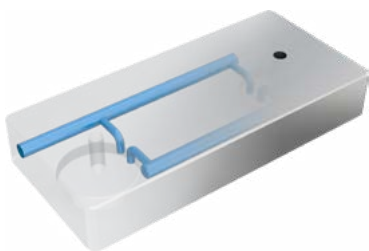
- iTerm® Water Distribution Plates are made using forged or rolled tool steel blocks produced in EU.
- Most often used grades are 1.2083/420, 1.2343/H11, 1.2344/H13.
- Based on specific customer needs, other steel grades can be used.

02

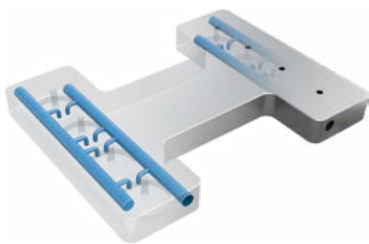
Delivery condition

- Heat treated
- Hardness: 34 - 52 HRC
- Machined to final dimension or blank

03 Model Types



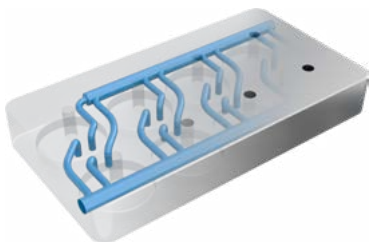
I-SHAPED



H-SHAPED



T-SHAPED



RECTANGULAR

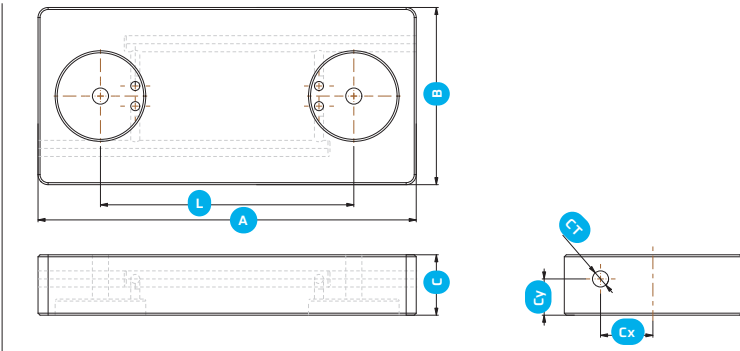
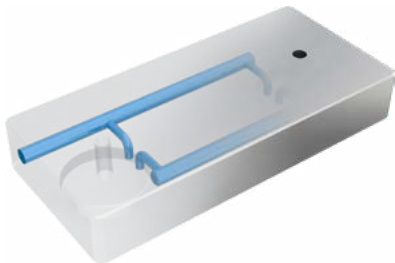
I-shaped water distribution plates



04 Dimensional Parameters

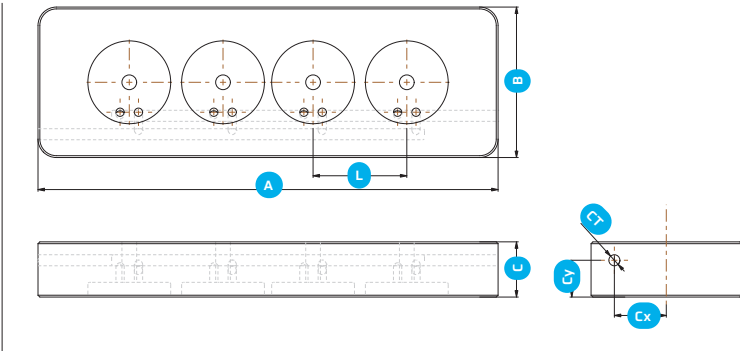
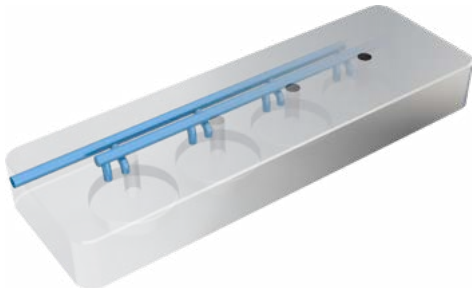
I-SHAPED

1 × 2 SPLIT



A	B	C	L-distance between nozzles	CT	Cx	Cy
160-360	80-160	20-60	100-150	1/4" NPT-5/8" NPT or G1/4"-G1"	0-60	10-50

1 × 4 SPLIT

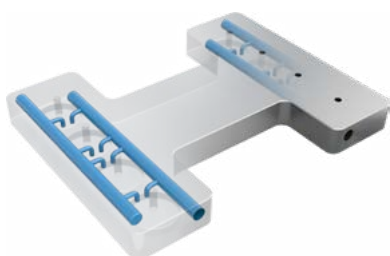


A	B	C	L-distance between nozzles	CT	Cx	Cy
160-360	80-160	20-60	30-150	1/4" NPT-5/8" NPT or G1/4"-G1"	0-60	10-50

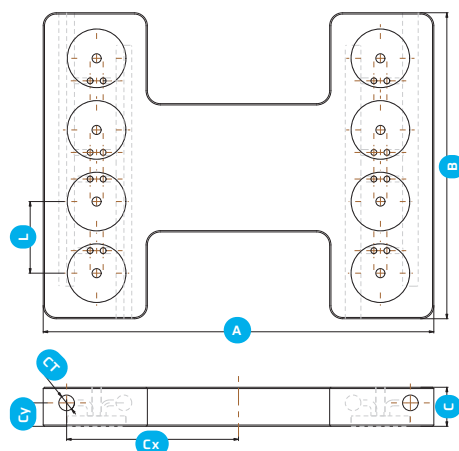
H-Shaped water distribution plates

04 Dimensional Parameters

2 × 4 SPLIT

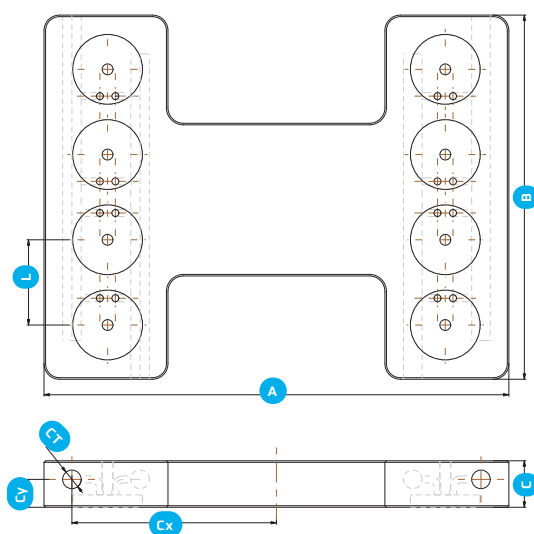
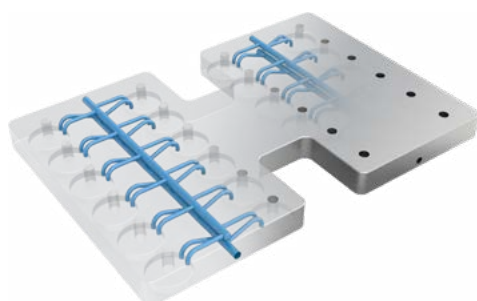


H-SHAPED



A	B	C	L-distance between nozzles	CT	Cx	Cy
260-460	260-360	20-60	20-100	1/4" NPT-5/8" NPT or G1/4"-G1"	0-150	10-50

4 × 6 SPLIT



A	B	C	L-distance between nozzles	CT	Cx	Cy
260-560	180-460	20-60	20-100	1/4" NPT-5/8" NPT or G1/4"-G1"	0-200	10-50

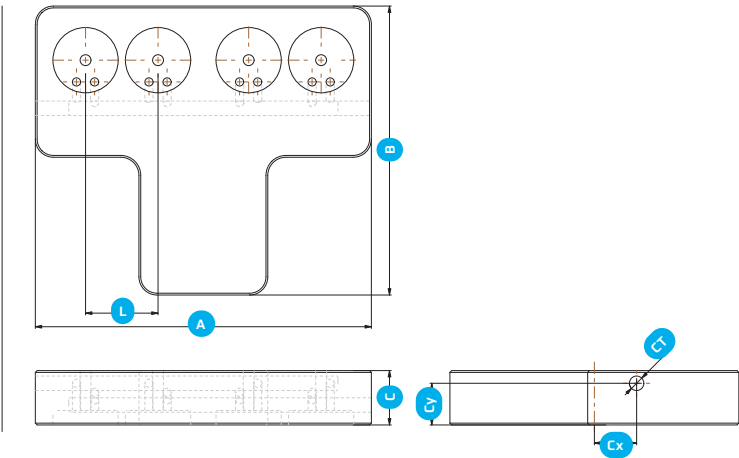
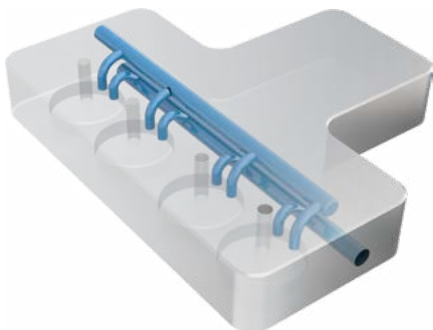
T-Shaped water distribution plate



04 Dimensional Parameters

T-SHAPED

1 × 4 SPLIT



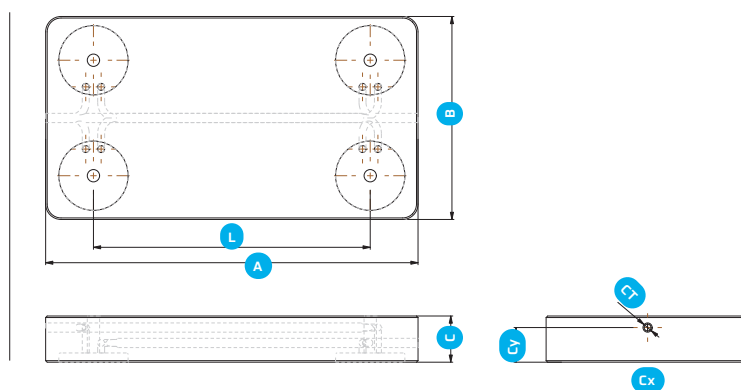
A	B	C	L-distance between nozzles	CT	Cx	Cy
160-320	260-360	20-60	30-150	1/4" NPT-5/8" NPT or G1/4"-G1"	0-150	10-50

Rectangular water distribution plates

04 Dimensional Parameters

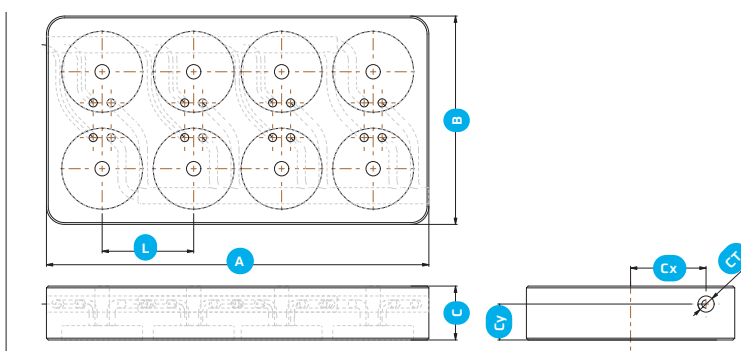
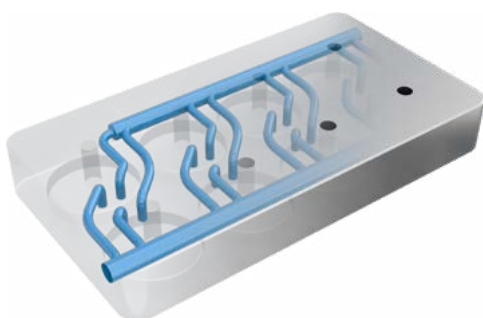
RECTANGULAR

2 × 2 SPLIT



A	B	C	L-distance between nozzles	CT	Cx	Cy
160-360	260-360	20-60	20-100	1/4" NPT-5/8" NPT or G1/4"-G1"	0-150	10-50

2 × 4 SPLIT



A	B	C	L-distance between nozzles	CT	Cx	Cy
160-460	260-360	20-60	20-100	1/4" NPT-5/8" NPT or G1/4"-G1"	0-150	10-50



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