



Cavity Gate Insert



DATA SHEET

Cavity Gate Insert

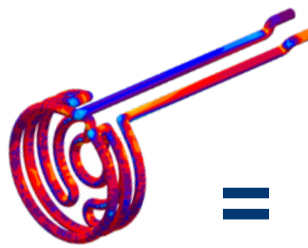
01 Cooling power

DESIGN APPROACH



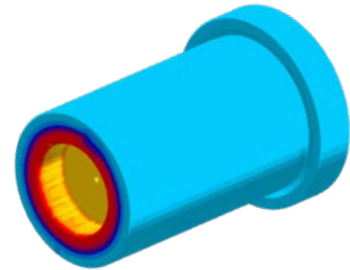
- Optimal cooling of overheated surfaces in the nozzle area.
- Homogeneous cooling of the working surface.
- Circular shape of cooling channels for maximum efficiency.

THERMAL ANALYSIS AND SIMULATION



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iTherm® CAVITY GATE INSERT



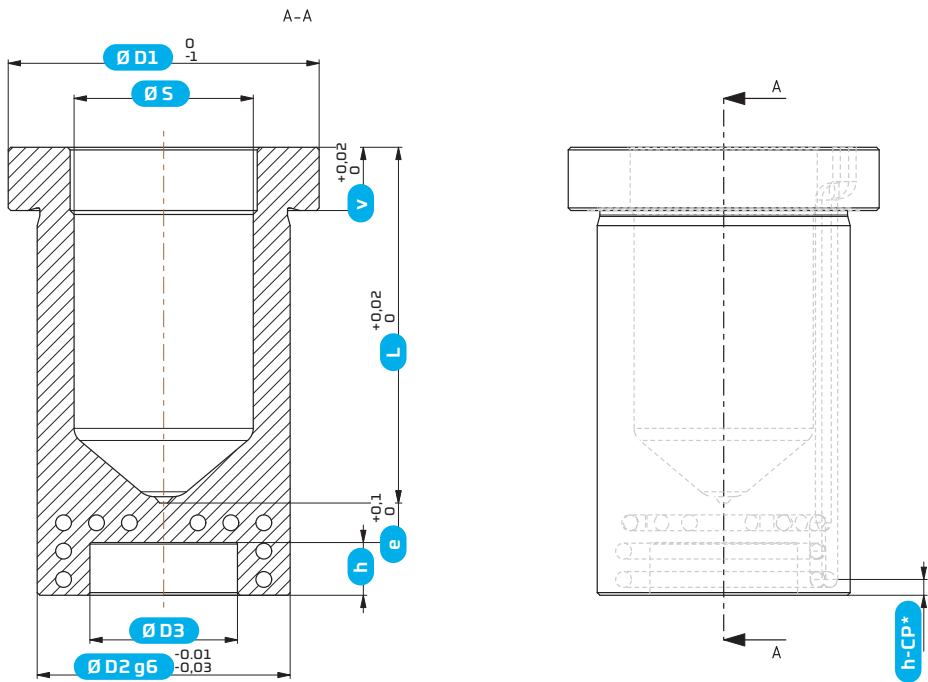
COOLING POWER OPTIONS

10 W/m²

15 W/m²

25 W/m²

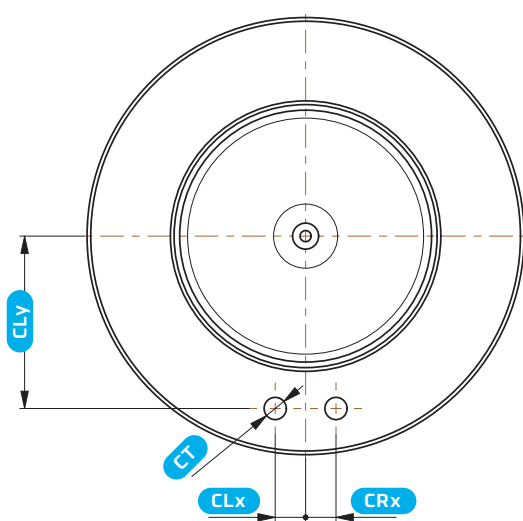
Dimensional parameters



*The dimension changes based on the cooling power input

Name	D1	D2	D3	v	h	L range	e
20BCA	55	48	35	5	5-45	50-100	5
							10
							15
22BCA	58	52	38	5	5-45	50-120	5
							10
							15
26BCA	65	56	45	5	5-45	50-120	5
							10
							15
32BCA	70	62	50	9	5-45	60-120	5
							10
							15
38BCA	79	68	59	12	5-45	60-120	5
							10
							15
44BCA	84	74	64	12	5-45	60-120	5
							10
							15
50BCA	92	80	72	12	5-45	60-120	5
							10
							15

03 Connection holes



Name	CLx	CRx	CLy	CT
20BCA	0-24	0-24	0-24	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
22BCA	0-26	0-26	0-26	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
26BCA	0-29	0-29	0-29	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
32BCA	0-32	0-32	0-32	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
38BCA	0-36	0-36	0-36	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
44BCA	0-39	0-39	0-39	1/16" NPT - 1/2"NPT or G1/16" - G1/2"
50BCA	0-43	0-43	0-43	1/16" NPT - 1/2"NPT or G1/16" - G1/2"