

Cartridge heaters 750°C

IHPs cartridge heaters are powerful heating elements that are used when heating for example tools, moulds, processing tables and liquid tanks electrically. Cartridge heaters belong to the same group as high density cartridge heaters with the difference that the heaters are on stock and semi ready for short lead times.

This heater has a unique design to deliver a very high power in a limited space. With our design the heat is distributed fast and equal over the entire surface and makes the heater resistant to vibrations, shocks and thermal material expansion/contraction.

Cartridge heaters should be placed in drilled holes with tolerance H7 and are delivered with glasfiber insulated leads with lengths 250mm or 1000mm.

See table below for IHPs broad standard range.



Technical specification

Surface load up to 40W/cm²

Working temperature up to 750°C

Supply 230V or 110V as standard

Casing of stainless steel AISI321 (1.4541)

Resistance wire of nickel/chrome 80/20

Diameter tolerance -0,02 to -0,06mm

Length tolerance ±1,5%

Power tolerance +5% -10%

Dielectric power 1500V 1/sec

Leakage current ≤ 0,1mA at 242V

Hole fit tolerance H7

Glasfiber insulated supply leads 250mm and 1000mm as standard

Standard range


Diameter (mm)	Length (mm)	Power (W)
ø6,5	25	80 100 160
	30	80 100 125 160 200
	40	100 125 160 175 200 250
	50	100 125 160 180 200 250 315
	60	125 160 180 200 250 280 315

	80	125 160 180 200 250 280 315 350
	100	125 160 180 200 250 280 315 350 400
	130	220 250 280 315 350 400
	160	250 280 315 350 400 450
	180	250 350 400 450 500
	200	250 350 400 450 630
	250	250 350 400 450 630 800
ø8	30	80 100
	40	100 125 160 175 200 250
	50	100 125 160 175 200 250 315
	60	100 125 140 160 180 200 220 250 280 315 350
	80	160 180 200 250 280 315 350 400 500
	100	180 200 250 280 315 350 400
	130	250 280 315 350 400 500
	160	200 250 280 315 350 400 450 500
	180	250 280 315 350 400 450 500 630
	200	350 400 450 500 630
	250	400 450 630 750
ø10	30	80 100 150 200
	40	80 100 120 160 200 250 315
	50	100 125 160 175 200 250 315 400
	60	125 160 180 200 250 315 400 500
	80	125 160 180 200 220 250 280 315 400 500 630
	100	160 200 220 250 280 315 350 400 500 560 630 700 850
	130	280 315 350 400 500 630 750
	160	350 400 500 630 750 800
	180	350 400 500 630 750 800 900
	200	350 400 500 630 750 800 900 1000
	250	400 500 630 750 800 900 1000
ø12,5	40	100 160 200 250 315 400
	50	100 160 200 250 315 400
	60	125 160 200 250 315 400 500
	80	160 200 250 315 400 500 630 800
	100	125 220 250 315 350 400 500 560 630 800 1000
	130	350 400 500 630 700 800 1000 1100 1250
	160	400 500 630 800 900 1000 1250
	180	400 500 630 700 800 1000 1100 1250
	200	400 500 630 700 800 1000 1500
	250	630 800 900 1000 1250 1500
	300	630 800 1000 1250 1500 2000
ø16	40	100 160 200 250 315 400 500
	50	100 160 200 250 315 400 500 630
	60	125 160 200 250 315 400 500 630

	80	160 200 250 280 315 400 500 630 800 850 1000
	100	125 220 250 315 350 400 500 560 630 800 1000 1250
	130	400 500 630 700 800 1000 1100 1250 1400 1600 1800
	160	400 500 630 800 900 1000 1250 1600 1800
	180	400 500 630 700 800 850 1000 1100 1250 1800
	200	400 500 630 700 800 1000 1500 1800 2000
	250	630 800 1000 1250 1500 1600 1800
	300	630 800 1000 1250 1500 1800 2000
ø20	40	100 160 200 250 315
	50	100 160 200 250 315 400
	60	125 160 200 250 316 400 500 630 800
	80	160 200 250 315 350 400 500 630 800 1000 1250
	100	250 315 350 400 450 500 560 630 800 1000 1500
	130	500 630 800 900 1000 1100 1250 1400 1600 1800
	160	500 800 900 1000 1100 1250 1800 2000 2200
	180	800 1000 1100 1250 2000 2200
	200	500 800 1000 1250 1500 1600 2000 2500
	250	800 1000 1250 1600 1800 2000
	300	1000 1250 1500 1600 2000 2200 2500 3000
Diameter (inch)	Length (inch)	Power (W)
ø1/4"	1"	80 100 160
	1 1/4"	80 100 125 160 200
	1,5"	100 125 160 175 200 250
	2"	100 125 160 180 200 250 300
	2,5"	125 160 180 200 250 280 315
	3"	125 160 180 200 250 280 315 350
	3 1/4"	125 160 180 200 250 280 315 350
	4"	125 160 180 200 250 280 315 350 400
	5"	220 250 280 315 350 400
	5 1/4"	220 250 280 315 350 400
	6"	250 280 315 350 400 450
	6,5"	250 280 315 350 400 450
	7"	250 350 400 450 500
	8"	250 350 400 450 630
	10"	250 350 400 450 630 800
ø5/16"	1 1/4"	80 100
	1,5"	100 125 160 175 200 250
	2"	100 125 160 175 200 250 315
	2,5"	100 125 140 160 180 200 220 250 280 315 350

	3"	160 180 200 250 280 315 350 400 500
	3 1/4"	160 180 200 250 280 315 350 400
	4"	180 200 250 280 315 350 400
	5"	250 280 315 350 400 500
	5 1/4"	250 280 315 350 400 500
	6"	200 250 280 315 350 400 450 500
	6,5"	200 250 280 315 350 400 450 500
	7"	250 280 315 350 400 450 500 630
	8"	350 400 450 500 630
	10"	400 450 630 750
ø3/8"	1 1/4"	80 100 150 200
	1,5"	80 100 120 160 200 250 315
	2"	100 125 160 175 200 250 315 400
	2,5"	125 160 180 200 250 315 400 500
	3"	125 160 180 200 220 250 280 315 400 500 630
	3 1/4"	125 160 180 200 250 315 400 500 315
	4"	160 200 220 250 280 315 350 400 500 560 630 700 850
	5"	280 315 350 400 500 630 750
	5 1/4"	280 315 350 400 500 630 750
	6"	350 400 500 630 750 800
	6,5"	350 400 500 630 750 800
	7"	350 400 500 630 750 800 900
	8"	350 400 500 630 750 800 900 1000
	10"	400 500 630 750 800 900 1000
ø1/2"	1,5"	100 160 200 250 315 400
	2"	100 160 200 250 315 400
	2,5"	125 160 200 250 315 400 500
	3"	160 200 250 315 400 500 630 800
	3 1/4"	160 200 250 315 400 500 630 800
	4"	125 220 250 315 350 400 500 560 630 800 1000
	5"	350 400 500 630 700 800 1000 1100 1250
	5 1/4"	350 400 500 630 700 800 1000 1100 1250
	6"	400 500 630 800 900 1000 1250
	6,5"	400 500 630 800 900 1000 1250
	7"	400 500 630 700 800 1000 1100 1250
	8"	400 500 630 700 800 1000 1500
	10"	630 800 900 1000 1250 1500
	12"	630 800 1000 1250 1500 2000
ø5/8"	1,5"	100 160 200 250 315 400 500
	2"	100 160 200 250 315 400 500 630
	2,5"	125 160 200 250 315 400 500 630
	3"	160 200 250 280 315 400 500 630 800 850 1000

	3 1/4"	160 200 250 280 315 400 500 630 800 850 1000
	4"	125 220 250 315 350 400 500 560 630 800 1000 1250
	5"	400 500 630 700 800 1000 1100 1250 1400 1600 1800
	5 1/4"	400 500 630 700 800 1000 1100 1250 1400 1600 1800
	6"	400 500 630 800 900 1000 1250 1600 1800
	6 1/2"	400 500 630 800 900 1000 1250 1600 1800
	7"	400 500 630 700 800 850 1000 1100 1250 1800
	8"	400 500 630 700 800 1000 1500 1800 2000
	10"	630 800 1000 1250 1500 1600 1800
	12"	630 800 1000 1250 1500 1800 2000
ø3/4"	1,5"	100 160 200 250 315
	2"	100 160 200 250 315 400
	2,5"	125 160 200 250 316 400 500 630 800
	3"	160 200 250 315 350 400 500 630 800 1000 1250
	3 1/4"	250 315 350 400 500 630 800 1000
	4"	250 315 350 400 450 500 560 630 800 1000 1500
	5"	500 630 800 900 1000 1100 1250 1400 1600 1800
	5 1/4"	500 630 800 900 1000 1100 1250 1400 1600 1800
	6"	500 800 900 1000 1100 1250 1800 2000 2200
	6,5"	800 900 1000 1100 1250 1800 2000 2200
	7"	800 1000 1100 1250 2000 2200
	8"	500 800 1000 1250 1500 1600 2000 2500
	10"	800 1000 1250 1600 1800 2000
	12"	1000 1250 1500 1600 2000 2200 2500 3000

 IHP International Heating Products AB

Hällebergsvägen 5, SE-443 60 Stenkullen, Sweden

Telefon: +46 (0)31 795 30 30 -Fax: +46 (0)31 795 30 39

Hemsida: www.ihp.se - E-post: info@ihp.se - Org. Nr. 556689-7327 - VAT Nr. SE556689732701

Bank: SEB Skandinaviska Enskilda Banken AB - Företaget innehar F-skattesedel