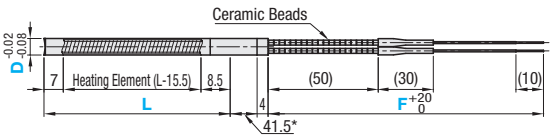
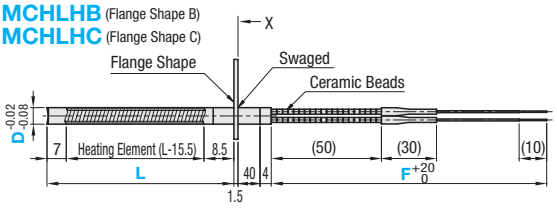
Cartridge Heaters
High Temperature, Configurable L & W

Be sure to refer to "Precautions for Use" in the Cartridge Heater Overview on **P.1605**.

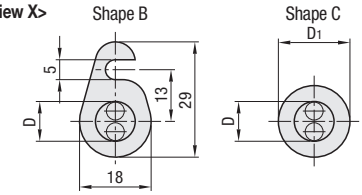
MCHLH (No Flange)



MCHLHB (Flange Shape B)
MCHLHC (Flange Shape C)



<Arrow View X>



Terminal

- N (No Crimp Terminal)
- M (With Round Crimp Terminal)
- Y (With Crimp Spade)

M Material

Heater	: Incoloy
Flange	: SUS304
Lead Wire	: Glass Fiber Coating

Lead Wire Heat Resistance Temperature : 180°C

RoHS 10

* When inserting MCHLH into the hot plate, ensure that the 41.5 part does not enter a hole.
Maximum Operating Temperature: 900°C
Maximum Operating Temperature means value at the sheath part. Please pay attention to Lead Wire Heat Resistance Temperature and be sure to put the lead wire out of the mounting hole.

Part Number Type	D	L 1mm Increment	V (Voltage) Selection	W (Electric Power) 10W Increment	F (Lead Wire Length) 10mm Increment	Terminal	Electrical Power Density (W/cm²)
MCHLH MCHLHB MCHLHC	8	50~200	100 110 200 220	50~500	300~1000	N M Y	2≤W/cm²≤10 W/cm²=W/{Dπ(L-15.5)/100} (Calculate with the electrical power density of heat-generating part, not with the overall length.)
	10		100 110 200 220	50~600			
	12	50~300	100 110	50~900			
			200 220	50~1100			

D	Heater Body Price						Additional Terminal Price (Body Price +)		
	MCHLH			MCHLHB, MCHLHC			N	M	Y
	L50~100	L101~200	L201~300	L50~100	L101~200	L201~300			
8			-			-			
10			-			-			
12									

Ordering Example

Part Number	-	L	-	V	-	W	-	F	-	Terminal
MCHLHB8	-	150	-	V200	-	W250	-	F500	-	M

Type of Terminal

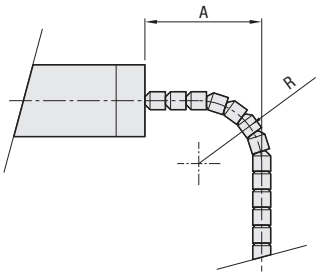
Symbol	Type of Terminal	Nominal Screw
N	No Crimp Terminal	-
M	Crimp Terminal - Round	M4
Y	Crimp Terminal - Y-Shaped	M4

Flanged Type Dimension

D	Shape C D1
8	14
10	16
12	18

Precautions for Use

Do not let the heaters run idle in the atmosphere. If the heater is used with some or the whole of the heating element projected from the heated objects, the wire may break or ignite due to abnormal heating.
Keep the temperature around the lead wire exit at 250°C or less.
Because the ceramic beads are very fragile, be sure to follow the bend dimensions on the right. Do not apply strong impacts.



Allowable Bending Dimension

D	R	A
8	12	20
10		
12	18	25

Features

- High temperature resistant heater with max. operating temperature of 900°C.
- Maintains high insulation even at high-temperature region of 700°C to 900°C, and presents long-life.