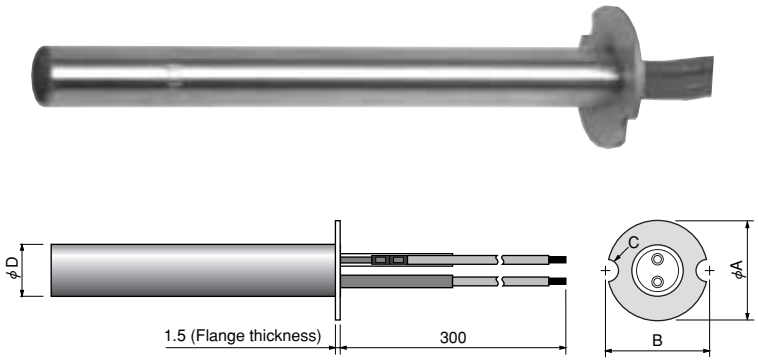
Cartridge heater with flange

It is a cartridge heater equipped with a board flange at a terminal part. A heater is easily fixable by using a screw.

- For standard stocks of diameters ϕ 6.25-ϕ 20 of a sheath, it can be prepared in 3days to attach a flange additionally upon your request.
- Custom-made heaters are also available using same flanges.
- Please specify a part number and a kind of flange of standard goods as "with a HLA2103 A type flange" in your order for standard products with a flange.
- A capable insertion length of heater shall be decreased with a flange thickness of (1.5)

With A type flange

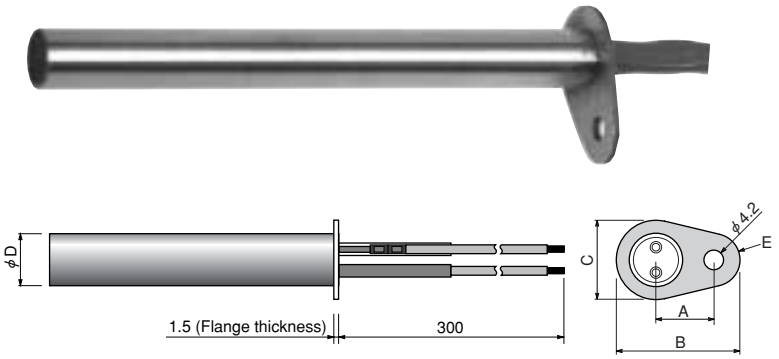


Flange material : SUS304
Fixation of a heater with a flange : Tig welding

Order- made goods

Sheath diameter φD	A Size Flange diameter	B Size Attachment screw pitch	C Size
φ 6.25	φ 18	18	R 2.5
φ 6.5			
φ 8			
φ 9.42	φ 24	24	R 2.5
φ 10			
φ 12			
φ 12.6			
φ 14	φ 28	28	R 3
φ 15			
φ 15.77			
φ 16			
φ 18	φ 32	32	R 3
φ 18.95			
φ 20			

With B type flange



Flange material: SUS304
Fixation of a heater with a flange: Tig welding

Order- made goods

Sheath diameter φD	A Size attachment screw position	B Size	C Size	E Size
φ 6.25	9	20	14	R 4
φ 6.5				
φ 8				
φ 9.42	13	28	18	R 6
φ 10				
φ 12				
φ 12.6				
φ 14	15	34	24	R 7
φ 15				
φ 15.77				
φ 16				
φ 18				
φ 18.95				
φ 20				

In order to use an "ultra five" correctly

It is important to improve heat transfer effectiveness to the metal heated from a heater in a cartridge heater.

- It is recommendable that a difference between a diameter of the hole t and of a heater shall be as less as possible. (0.1mm or less : if it is ϕ10 heater ϕ10.1 hole)
- It is recommendable that flat and smooth finishing on surface of a hole and a reamer processing. Please remove oil used for hole processing. If oil remains still, oil will be heated and become carbide then heat conduction will be damaged.
- It does not cause of a problem at all to use it on below rating voltage. Please calculate the capacity as follows.

$$\left[\frac{\text{Operating voltage}}{\text{Rated voltage}}\right]^2 \times \text{Rated capacity} = \text{Capacity at the time of use}$$

(Example) In case of use at 100V of the heater of regular capacity of 120V-500W, it becomes to 347W.