



nextThermal[®]
smart heat management

Constrictor

Keep Heaters Firmly in Place for Maximum Thermal Transfer

Nextthermal's Constrictor is made of a special metal alloy with a lower coefficient of thermal expansion than commonly used steel, and keeps coil heaters pressed tightly against the nozzle for maximum heat transfer and accurate thermocouple reading.



IHS

Industrial Heat Sources

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Constrictor

Thermal retainer for optimal heat transfer and temperature control.

Keep Heaters Firmly in Place for Maximum Thermal Transfer.

- Holds heater tightly against the nozzle
- Operates to 800° F
- Easy to install using Nexthermal C Clip Pliers
- Small space claim
- Less expensive than similar products
- Resists oxidation and has a high tensile strength
- Constrictor sizes available for nozzle dimensions between 1/2 inch to 5.5 inches
- Constrictor thickness is 1 mm for nozzles up to 1.73 inches, and 2mm thick for larger sizes

Constrictor Standard In-Stock Sizes and Part Numbers*

Part number	Customer nozzle diameter		Clamp ID (unassembled)	Material Thickness	Width "A"	Net OD after assembly (based on 2.5 heater profile)	
	mm	Inch				mm	Inch
CN0500	12.7	0.500	16.50	1	30	19.70	
CN0625	15.88	0.625	19.68	1	30	22.88	
CN0750	19.05	0.750	22.85	1	30	26.05	
CN0875	22.23	0.875	26.03	1	30	29.23	
CN1000	25.4	1.000	29.20	1	30	32.40	
CN1250	31.75	1.250	35.60	1	30	38.80	
CN1500	38.1	1.5	41.9	1	30	45.1	
CN1750	44.45	1.750	48.25	1	30	51.45	
CN2000	50.8	2.000	54.60	2	30	59.80	

*Custom sizes available. Ask your Nexthermal Sales Representative.

Constrictor Installation and Removal — Fast. Easy. Effective.

Nexthermal's Constrictor is engineered with an installation hole in the divider, allowing you to conveniently open the retainer with **Nexthermal's custom C Clip Pliers**. The custom C Clip Pliers allow for easy installation and removal. These clips only open a maximum of 3mm to prevent damage to the retainer and ensure a tight fit on consecutive installations. To retain the metal memory, the Constrictor must not be pulled opened by hand or opened with any tools that spread the Constrictor farther than 3mm.



To begin, slide the correct coil heater size onto the tool. The fit should be snug and not slip.



Place the tip of the C Clamp Pliers into the installation hole in the Constrictor's face and open. NEVER open the Constrictor wider than the Nexthermal Custom C Clamp allows.



Slide the constrictor over the coil heater fitted on the tool. Once in place, release to snap onto the heater. The fit should be tight on the heater.



Release and done! To remove, simply open the Constrictor with the C Clamp Pliers and slide off. The Constrictor's special alloy will spring back to its original shape, making it fully reusable.



NEVER use your hands or unapproved tools to open the Constrictor. ONLY use the Nexthermal C Clip Pliers to prevent damage to the Constrictor and ensure a continued tight fit on all installations.