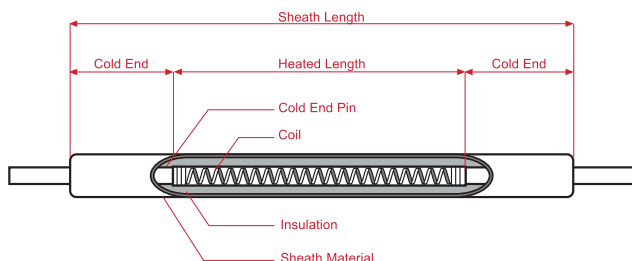


Rod Elements



Rod elements are widely used in industry for convection heating, conduction heating as well as radiation heating.

Rod elements are versatile because they can be bent into a shape, operate at high temperatures (up to 650°C) and can be immersed into liquids. The robust metal-sheathed construction ensures safety (electrical insulation) and protection against moisture and dirt.

The rod element consists of a heating coil imbedded in compacted MgO powder and protected by an outer sheath metal. An unheated section on either end prevents overheating of the termination.

Typical applications include duct heaters (air conditioning), curing applications, hot-air systems, defrosting, driers, tools and dies, convection ovens and shrink tunnels.

Standard Elements

Diameter: 8mm
Sheath material: stainless steel 321

Black heat

Stock Code	Watts Density	Sheath Length (mm)	Heated Length (mm)	Wattage	Voltage
UHRS00080B-0500	2.4 W/cm ²	980	830	500	230
UHRS00080B-0750	2.4 W/cm ²	1395	1245	750	230
UHRS00080B-1000	2.4 W/cm ²	1740	1590	1000	230
UHRS00080B-1500	2.4 W/cm ²	2680	2530	1500	230
UHRS00080B-2000	2.4 W/cm ²	3500	3350	2000	230

Black heat

UHRS00080D-0500	3.2 W/cm ²	755	605	500	230
UHRS00080D-0750	3.2 W/cm ²	1115	965	750	230
UHRS00080D-1000	3.2 W/cm ²	1315	1165	1000	230
UHRS00080D-1500	3.2 W/cm ²	2000	1850	1500	230
UHRS00080D-2000	3.2 W/cm ²	2640	2490	2000	230
UHRS00080D-2500	3.2 W/cm ²	3125	2975	2500	230
UHRS00080D-3000	3.2 W/cm ²	3615	3465	3000	230

Black heat

UHRS00080E-1000	3.9 W/cm ²	1140	990	1000	230
UHRS00080E-1500	3.9 W/cm ²	1635	1485	1500	230
UHRS00080E-2000	3.9 W/cm ²	2190	2040	2000	230
UHRS00080E-2500	3.9 W/cm ²	2650	2500	2500	230
UHRS00080E-3000	3.9 W/cm ²	3050	2900	3000	230

Black heat

UHRS00080F-1000	4.7 W/cm ²	975	825	1000	230
UHRS00080F-1500	4.7 W/cm ²	1365	1215	1500	230
UHRS00080F-2000	4.7 W/cm ²	1800	1650	2000	230

Standard Elements

Diameter: 8mm
Sheath material: stainless steel 321

Red heat

UHRS00080G-0500	5.5 W/cm ²	600	450	500	230
UHRS00080G-0750	5.5 W/cm ²	685	535	750	230
UHRS00080G-1000	5.5 W/cm ²	800	650	1000	230
UHRS00080G-1500	5.5 W/cm ²	1170	1020	1500	230
UHRS00080G-2000	5.5 W/cm ²	1540	1390	2000	230
UHRS00080G-2300	5.5 W/cm ²	1725	1575	2300	230
UHRS00080G-2500	5.5 W/cm ²	1845	1695	2500	230
UHRS00080G-3000	5.5 W/cm ²	2280	2130	3000	230
UHRS00080G-4000	5.5 W/cm ²	3010	2860	4000	230

Red heat

UHRS00080H-1000	6.2 W/cm ²	770	620	1000	230
UHRS00080H-1500	6.2 W/cm ²	1080	930	1500	230
UHRS00080H-2000	6.2 W/cm ²	1390	1240	2000	230
UHRS00080H-3000	6.2 W/cm ²	2010	1860	3000	230
UHRS00080H-4000	6.2 W/cm ²	2845	2695	4000	230

Red heat

UHRS00080I-1000	9.9 W/cm ²	550	400	1000	230
UHRS00080I-150B	9.9 W/cm ²	775	625	1500	230
UHRS00080I-200B	9.9 W/cm ²	995	845	2000	230
UHRS00080I-300C	9.9 W/cm ²	1395	1245	3000	230
UHRS00080I-400B	9.9 W/cm ²	1650	1500	4000	230
UHRS00080I-150A	11.7 W/cm ²	660	510	1500	230
UHRS00080I-200A	11.7 W/cm ²	830	680	2000	230

Order Codes

Sheath Material	
Incoloy 800	I
Incoloy 825	H
Copper	C
Titanium	T
Stainless Steel 304/321	S
Finned Incoloy 800	F
Other	X

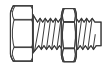
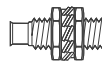
Termination		
	Plain Pin	0
	Spade	1
	M4 Straight Tab & Saddle	2
	M4 Bent Tab & Saddle	3
	M5 Post with nuts (stainless steel)	4
	Silicone Rubber Cable Moisture proof	7
	Ni-Wire Glass Insulated	8
	Ni-Wire in Ceramic Beads	9
	Other	X

UHR

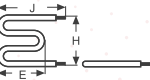
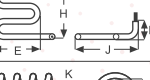
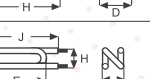
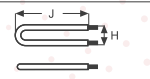
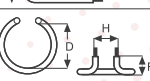


Note: When ordering, please specify power, voltage, diameter, heated length of cold end.

Mounting

	
Brass Bush with Nut	Steel Clinch Bush
0	Plain
1	1/2" UNF x 25mm Steel Clinch, 2 Nuts & Washers (For air heaters)
2	1/2" UNF x 16mm Brass with Nut
3	1/2" UNF x 25mm Brass with Nut
4	1/2" UNF x 50mm Brass with Nut
5	M14 x 1.25 x 16mm Brass with Nut

Shape

0	
E	
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