

Bandheaters

5. Heating bands are the ideal solution for the heating of tubes and cylinders. Superflex is a mica nozzle heater, made with a plastic-tight stainless steel casing and available with thermocouple on request. Superflex is in many dimensions available from stock (table page 2). For all other dimensions (dia < 70 mm) you could use micaflex. The Ceramic heating band type Keraplast is suitable specially for applications with high watt Density and therefore for higher temperatures.

Characteristics:

specific surface load:

- Superflex 6 W/cm²
- Keraplast 8 W/cm²
- Micaplast 3,5 W/cm²

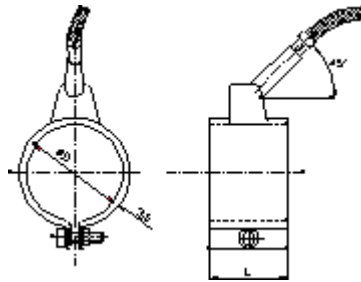
Working temperature:

- Superflex up to 350 °C
- Keraplast bigger 280 °C
- Micaplast dia > 70 mm

5.1 SUPERFLEX Heating Elements - Stainless Steel Execution

Superflex mica nozzle heaters are plastic tight, because their stainless steel casing is corrosion-resistant to most of plastics (PVC and other) and allows a surface load up to 6 W / cm². In all dimensions thermocouples could be installed by request, The marked dimensions are available from stock with 45° axial exit and 1000 mm bms insulated fibre glass lead.

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Diameter	Length L in mm					
	20	25	30	35	40	45
25		135 W	150 W			
30		140 W	180 W	195 W	225 W	
35		165 W	200 W	230 W	260 W	295 W
40		185 W	230 W	260 W	300 W	340 W
42		200 W	245 W	275 W	315 W	360 W
45		210 W	255 W	295 W	340 W	380 W
50	185 W	235 W	280 W	330 W	375 W	420 W
55	220 W	260 W	325 W	360 W	415 W	465 W
60	225 W	280 W	350 W	395 W	450 W	510 W
65	245 W	305 W	375 W	425 W	490 W	550 W
70	260 W	330 W	400 W	460 W	525 W	590 W
75	280 W	350 W	420 W	495 W	565 W	635 W
80	300 W	375 W	480 W	525 W	600 W	670 W
85	320 W	400 W	500 W	560 W	640 W	720 W
90	340 W	420 W	515 W	590 W	675 W	760 W
95	360 W	450 W	550 W	625 W	715 W	805 W
100	375 W	470 W	565 W	660 W	750 W	850 W

Characteristics:

- Sealed stainless steel AISI 304 shield
- Specific power 6 W/cm²
- Working temperature max. 350 °C
- device for thermocouple installation
- connecting executions

5.2 KERAPLAST Ceramic - Heating Elements

KERAPLAST band heaters are designed for heating processes where a high surface load up to max. 8 W/cm² is demand just as higher working temperatures over 280° C. The connection could be made by lead from inside or by a terminal box at the element.

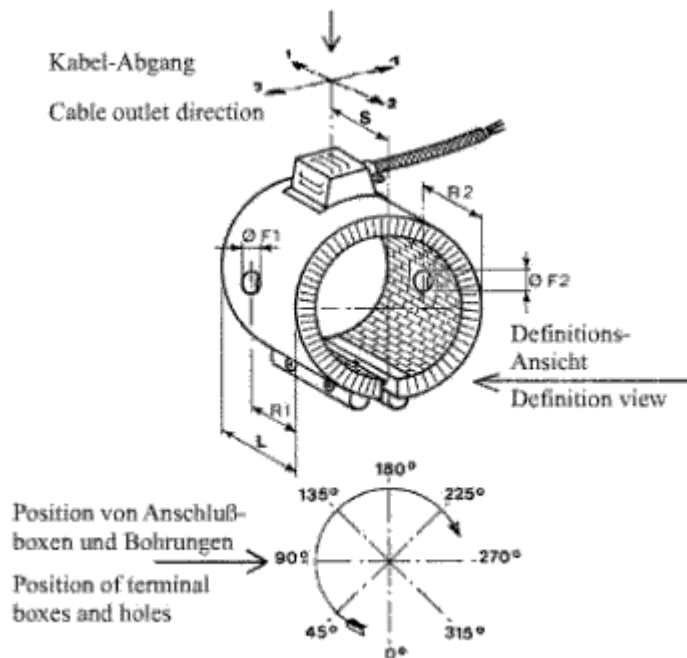


When ordering KERAPLAST, please quote the following data:

- ? diameter D
- ? Length L
- ? Feeding voltage
- ? Power
- ? Cable outlet direction (1-2-3-4)
- ? Cable length in mm

Details for holes:

- ? Position in degree,
- distances R
- diameter F



Characteristics:

- Casing by stainless steel AISI 304 shield
- Specific power 4-8 W/cm²

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- Working temperature > 280 °C
- Length L 22 - 501 mm
- Diameter more than 70 mm

5.3 MICAPLAST Ceramic - Heating Elements

MICAPLAST band heater are applicable for almost every production process. By using flexible raw materials there are no limits to form or dimension. The connection could be made by leads from internal or a connection box at the element.



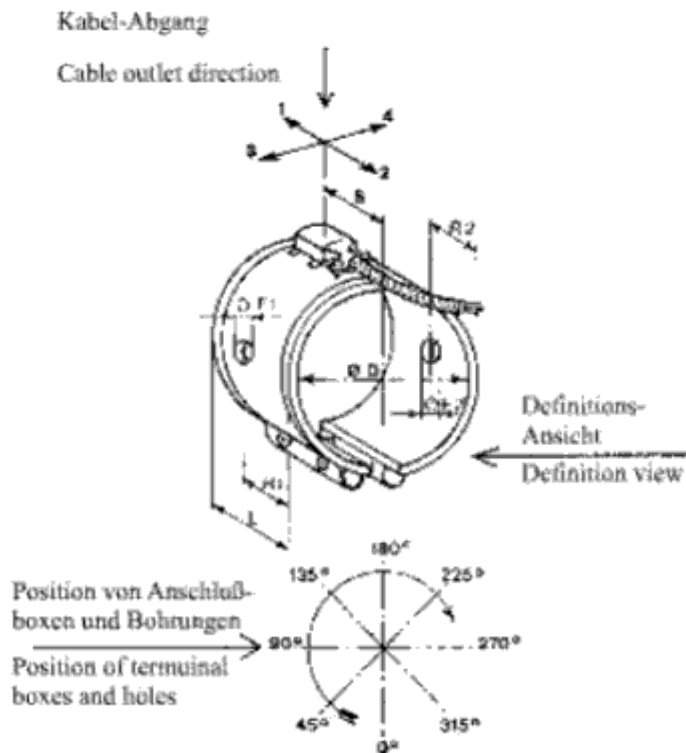
Bandheaters

When ordering MICAPLAST, please quote the following data:

- ? Diameter D
- ? Length L
- ? Feeding voltage
- ? Power
- ? Cable outlet direction (1-2-3-4)
- ? Cable length in mm

Details for holes:

- ? Position in degree,
- distances in R,
- diameter F



Characteristics:

- Casing by stainless steel AISI 304 shield
- Specific power 3,5 W/cm²
- Working temperature < 280 °C
- Diameter more then 70 mm
- Diameter more then 500 mm in two or more sections