

Economy Mica Nozzle Heater Bands

Features

- Constructed of premium mica insulation
- 12" insulated leads with an extra protective sleeve at the heater
- Lead exits at the end of the heater band to extend contact with the nozzle
- Heavy gauge outer sheath is engraved with item number and heater specifications
- 1 year guarantee on quality and workmanship

U Inch



Item Number	Inside Diameter	Width	Wattage	Voltage	Lead Length
HB1001001100	1"	1"	100	120	12"
HB1001002100	1"	1"	100	240	12"
HB1001001125	1"	1"	125	120	12"
HB1001002125	1"	1"	125	240	12"
HB1001121150	1"	1-1/2"	150	120	12"
HB1001122150	1"	1-1/2"	150	240	12"
HB1002001200	1"	2"	200	120	12"
HB1002002200	1"	2"	200	240	12"
HB1002121250	1"	2-1/2"	250	120	12"
HB1002122250	1"	2-1/2"	250	240	12"
HB1003001300	1"	3"	300	120	12"
HB1003002300	1"	3"	300	240	12"
HB1005002500	1"	5"	500	240	12"
HB1120342150	1-1/2"	3/4"	150	240	12"
HB1121001150	1-1/2"	1"	150	120	12"
HB1121002150	1-1/2"	1"	150	240	12"
HB1121002200	1-1/2"	1"	200	240	12"
HB1121121250	1-1/2"	1-1/2"	250	120	12"
HB1121122250	1-1/2"	1-1/2"	250	240	12"
HB1121121275	1-1/2"	1-1/2"	275	120	12"
HB1121122275	1-1/2"	1-1/2"	275	240	12"
HB1121121300	1-1/2"	1-1/2"	300	120	12"
HB1121122300	1-1/2"	1-1/2"	300	240	12"
HB1122001300	1-1/2"	2"	300	120	12"
HB1122002300	1-1/2"	2"	300	240	12"
HB1122121400	1-1/2"	2-1/2"	400	120	12"
HB1122122400	1-1/2"	2-1/2"	400	240	12"
HB1123001450	1-1/2"	3"	450	120	12"
HB1123002450	1-1/2"	3"	450	240	12"
HB1123121525	1-1/2"	3-1/2"	525	120	12"
HB1123122525	1-1/2"	3-1/2"	525	240	12"
HB1124001550	1-1/2"	4"	550	120	12"
HB1124002550	1-1/2"	4"	550	240	12"
HB1125001700	1-1/2"	5"	700	120	12"
HB1125002700	1-1/2"	5"	700	240	12"
HB2121121350	2-1/2"	1-1/2"	350	120	12"
HB2121122350	2-1/2"	1-1/2"	350	240	12"



Mica Nozzle Heater Bands

Features

- Low Profile Superior Mica Construction
- Clamp Lock-up
- Strain Relief for Ultimate Lead Protection
- 12" High Temperature Leads
- Post Terminals available on some heaters



U Inch

Item Number	Diameter	Width	Wattage	Voltage	Lead Length	Post Terminals
HBS017	1	4	400	120	12	No
HBS019	1	5	500	120	12	No
HBS023	1-1/4	1-1/2	20	120	12	No
HBS024	1-1/4	1-1/2	200	240	12	No
HBS026	1-1/4	2	250	240	12	No
HBS027	1-1/4	3	400	120	12	No
HBS054	1-3/4	1	200	240	12	No
HBS055	1-3/4	1-1/2	300	120	12	No
HBS056	1-3/4	1-1/2	300	240	12	No
HBS058	1-3/4	2	350	240	12	No
HBS060	1-3/4	3	500	240	12	No
HBS061	1-3/4	4	700	120	12	No
HBS062	1-3/4	4	700	240	12	No
HBS063	1-3/4	5	900	120	12	No
HBS064	1-3/4	5	900	240	12	No
HBS065	1-3/4	6	1000	120	12	No
HBS066	1-3/4	6	1000	240	12	No
HBS030	1-3/8	1	150	240	12	No
HBS034	1-3/8	2	300	240	12	No



Mica Nozzle Heater Bands - Continued

 Inch

Item Number	Diameter	Width	Wattage	Voltage	Lead Length	Post Terminals
HBS067	2	1	200	120	12	No
HBS068	2	1	200	240	12	No
HBS070	2	1-1/2	300	240	12	No
HBS075	2	3	600	120	12	No
HBS078	2	4	800	240	12	No
HBS105	2-1/2	1	300	120	12	No
HBS109	2-1/2	2	500	120	12	No
HBS111	2-1/2	3	700	120	12	No
HBS091	2-1/4	1	225	120	12	No
HBS098	2-1/4	2-1/2	600	240	12	No
HBS083	2-1/8	1	200	120	12	No
HBS084	2-1/8	1	200	240	12	No
HBS086	2-1/8	1-1/2	300	240	12	No
HBS113	2-3/4	1-1/2	400	120	12	No
HBS114	2-3/4	1-1/2	400	240	12	No
HBS158	2-3/4	1-1/4	400	240	12	No
HBS104	2-3/8	1-1/2	400	240	12	No
HBS230	3	1	400	240	N/A	Yes
HBS117	3	1-1/2	400	120	12	No
HBS118	3	1-1/2	400	240	12	No
HBS120	3	2	600	240	12	No
HBS122	3	3	900	240	12	No
HBS215	3-1/4	1	350	129	12	No
HBS236	3-1/4	2	600	120	12	No
HBS341	3-9/16	9-7/8	3000	240	N/A	Yes
HBS201	4	1	425	240	12	No
HBS201-PT	4	1	625	240	N/A	Yes
HBS169-PT	4	1-1/2	625	240	N/A	Yes
HBS224-PT2	4	1-1/2	450	240	N/A	Yes
HBS212	4-1/2	2	750	240	12	No
HBS207	5-1/2	1-1/2	1000	240	N/A	Yes
HBS179-PT	5-1/4	1-1/2	800	240	N/A	Yes
HBS223-PT2	5-1/4	1-1/2	600	240	N/A	Yes
HBS323-PT	6-3/4	1-1/2	820	240	N/A	Yes
HBS001	7/8	1	75	120	12	No
HBS005	7/8	1-1/2	100	120	12	No
HBS003	7/8	1-1/4	90	120	12	No
HBS004	7/8	1-1/4	90	240	12	No
HBS324-PT	7-1/2	1-1/2	500	240	N/A	Yes



Sealed Brass Nozzle Band Heater

Features

- Mica insulated sealed brass bands
- Low profile clamp bolts
- 1 meter stainless steel armor braids
- Manually adjustable exit leads
- Smooth interior profile to reduce cold spots
- 240v



U Inch and Metric

Item Number	Diameter (in)	Diameter (mm)	Width (in)	Width (mm)	Watts
R252080C	1	25	3/4	20	80
R252585C	1	25	1	25	85
R2550225C	1	25	2	50	225
R352095C	1.375	35	3/4	20	110
R3525120C	1.375	35	1	25	120
R3530145C	1.375	35	1.1875	30	145
R3535170C	1.375	35	1.375	35	170
R3540210C	1.375	35	1.5625	40	195
R3550265C	1.375	35	2	50	265
R3825140C	1.5	38	1	25	140
R3830185C	1.5	38	1.1875	30	165
R3840175C	1.5	38	1.5625	40	175
R3850300C	1.5	38	2	50	300
R4025140C	1.5625	40	1	25	140
R4030165C	1.5625	40	1.1875	30	165
R4040225C	1.5625	40	1.5625	40	225
R4045305C	1.5625	40	1.75	45	250
R4050345C	1.5625	40	2	50	345
R4525155C	1.75	45	1	25	155
R4530190C	1.75	45	1.1875	30	190
R4540250C	1.75	45	1.5625	40	250
R5025175C	2	50	1	25	175
R5035245C	2	50	1.375	35	245
R5040280C	2	50	1.5625	40	280
R5050350C	2	50	2	50	350
R5550385C	2.1875	55	2	50	385
R6030250C	2.375	60	1.1875	30	250
R6035295C	2.375	60	1.375	35	295
R6040335C	2.375	60	1.5625	40	335
R6050475C	2.375	60	2	50	420
R7530340C	3	75	1.1875	30	340
R7550590C	3	75	2	50	525



Keylock Heater Bands

Features

- For use in limited space such as recessed sprue bushings.
- Bands require only 3/8" to 1/2" clearance on diameter.
- 12" flex leads extend 180 degrees from heater band opening



U Inch

Item Number	Diameter	Width	Wattage	Voltage	Lead Length
HBW001	1	1	100	120	36
HBW002	1	1	100	240	36
HBW003	1	1.5	150	120	36
HBW004	1	1.5	150	240	12
HBW006	1	2	200	240	12
HBW007	1	2 1/2	250	120	12
HBW009	1	3	300	120	12
HBW010	1	3	300	240	12
HBW012	1	4	400	240	12
HBW014	1.25	1	125	240	12
HBW016	1.25	1.5	200	240	12
HBW021	1.5	1	150	120	12
HBW022	1.5	1	150	240	12
HBW023	1.5	1.5	250	120	12
HBW024	1.5	1.5	250	240	12
HBW025	1.5	2	300	120	12
HBW028	1.5	2.5	350	240	12
HBW029	1.5	3	450	120	12
HBW030	1.5	3	450	240	12
HBW031	1.5	4	600	120	12
HBW032	1.5	4	600	240	12
HBW033	1.5	5	750	120	12



Flange Lock Nozzle Body Heater

Features

- Flange lock-up provides firm grip and high heat transfer
- Smooth I.D. reduces hot spots and premature burn-out
- Premium quality Mica insulation
- Includes 1 meter stainless braid armor leads



 Inch

Item Number	Diameter	Width	Watts
BN1010	1	1	100
BN1015	1	1.5	150
BN1020	1	2	200
BN1030	1	3	300
BN1215	1.25	1.5	200
BN1310	1.375	1	150
BN1507	1.5	3/4	120
BN1510	1.5	1	150
BN1515	1.5	1.5	250
BN1520	1.5	2	300
BN1525	1.5	2.5	350
BN1530	1.5	3	450
BN1540	1.5	4	600
BN1550	1.5	5	750
BN1560	1.5	6	850
BN1623	1.5625	2.375	380
BN1710	1.75	1	175
BN1715	1.75	1.5	250
BN1720	1.75	2	350
BN1730	1.75	3	500
BN2010	2	1	200
BN2015	2	1.5	300
BN2020	2	2	450
BN2025	2	2.5	500
BN2030	2	3	600
BN2040	2	4	800
BN2120	2.125	2	400
BN2530	2.5	3	750
BN2715	2.75	1.5	400
BN3015	3	1.5	450
BN3020	3	2	600
BN3030	3	3	750



Sealed Metric Heater Bands

Features

- Corrosion - proof construction
- Longer life
- Quicker heat transfer
- High watt density
- Stainless steel, braided lead exit at 300° angle
- Nickel Coated, self locking nut
- Uniform surface for total contact
- 240v heater



U Inch

Item Number	Diameter	Width	Wattage	Lead Length
HBSM001	25	25	85	18
HBSM002	25	50	225	18
HBSM003	30	25	110	18
HBSM009	35	30	155	18
HBSM012	38	38	175	18
HBSM014	38	50	345	18
HBSM016	40	25	160	18
HBSM017	40	30	200	18
HBSM025	45	30	200	20
HBSM026	45	38	300	20
HBSM027	48	20	135	40
HBSM028	50	25	185	40
HBSM035	55	25	200	40
HBSM047	75	30	340	40
HBSM051	80	38	500	40
HBSM052	80	45	570	20
HBSM054	90	45	645	40
HBSM056	100	30	460	20
HBSM061	35	40	210	20
HBSM062	40	40	225	20
HBSM064	42	35	250	24



Coil Heaters - Internally Coil Heated Nozzle Replacement

Features

- Internal thermocouples in either type J or K
- 120v or 240v options
- For 5", 6", 7", 8", 9", 10", 11" and 12" Internally Coil Heated Nozzles
- 40" stainless steel protected leads



Inch

Item Number	Nozzle Length	Heater I.D.	Voltage	T/C Type	Wattage	Lead Length
CHN10120J	10"	1.108	120V	J	800W	40"
CHN10120K	10"	1.108	120V	K	800W	40"
CHN10240J	10"	1.108	240V	J	800W	40"
CHN10240K	10"	1.108	240V	K	800W	40"
CHN11120J	11"	1.108	120V	J	900W	40"
CHN11120K	11"	1.108	120V	K	900W	40"
CHN11240J	11"	1.108	240V	J	900W	40"
CHN11240K	11"	1.108	240V	K	900W	40"
CHN12120	12"	1.108	120V	J	1400W	40"
CHN12120K	12"	1.108	120V	K	1150W	40"
CHN12240	12"	1.108	240V	J	1400W	40"
CHN12240-K	12"	1.108	240V	K	1400W	40"
CHN16240	16"	1.108	240V	J	1400W	40"
CHN16240-K	16"	1.108	240V	K	1400W	40"
CHN5120	5"	1.108	120V	J	500W	40"
CHN5120K	5"	1.108	120V	K	470W	40"
CHN5240	5"	1.108	240V	J	500W	40"
CHN5240-K	5"	1.108	240V	K	500W	40"
CHN6120J	6"	1.108	120V	J	550W	40"
CHN6120K	6"	1.108	120V	K	550W	40"
CHN6240J	6"	1.108	240V	J	550W	40"
CHN6240K	6"	1.108	240V	K	550W	40"
CHN7120	7"	1.108	120V	J	900W	40"
CHN7120J	7"	1.108	120V	J	630W	40"
CHN7120K	7"	1.108	120V	K	630W	40"
CHN7120-K	7"	1.108	120V	K	900W	40"
CHN7240	7"	1.108	240V	J	900W	40"
CHN7240-K	7"	1.108	240V	K	900W	40"
CHN8120J	8"	1.108	120V	J	700W	40"
CHN8120K	8"	1.108	120V	K	700W	40"
CHN8240J	8"	1.108	240V	J	700W	40"
CHN8240K	8"	1.108	240V	K	700W	40"
CHN9120	9"	1.108	120V	J	1250W	40"
CHN9120-K	9"	1.108	120V	K	1250W	40"
CHN9240	9"	1.108	240V	J	1250W	40"
CHN9240J	9"	1.108	240V	J	750W	40"
CHN9240-K	9"	1.108	240V	K	1250W	40"



Bayonet Thermocouples

Features

- J or K Thermocouples
- Straight, 45 and 90 degree leads
- 3/16" diameter thermocouple
- Protective Sheath O.D. - .270"



U Inch

Item Number	Type	Bend Angle	Lead Length	Grounded
T4536J	J	45 Deg	36	Yes
T4548J	J	45 Deg	48	Yes
T4560J	J	45 Deg	60	Yes
T4572J	J	45 Deg	72	Yes
T4536K	K	45 Deg	36	Yes
T4548K	K	45 Deg	48	Yes
T4560K	K	45 Deg	60	Yes
T4572K	K	45 Deg	72	Yes
T4584J	K	45 Deg	84	Yes
T4584K	K	45 Deg	84	Yes
T9036J	J	90 Deg	36	Yes
T9048J	J	90 Deg	48	Yes
T9060J	J	90 Deg	60	Yes
T9072J	J	90 Deg	72	Yes
T9084J	J	90 Deg	84	Yes
T9096J	J	90 Deg	96	Yes
T9096J-U	J	90 Deg	96	No
T9036K	K	90 Deg	36	Yes
T9048K	K	90 Deg	48	Yes
T9060K	K	90 Deg	60	Yes
T9072K	K	90 Deg	72	Yes
T9084K	K	90 Deg	84	Yes
TSS36J	J	Straight	36	Yes
TSS48J	J	Straight	48	Yes
TSS48K	J	Straight	48	Yes
TSS60J	J	Straight	60	Yes
TSS72J	J	Straight	72	Yes
TSS84J	J	Straight	84	Yes
TSS36K	K	Straight	36	Yes
TSS60K	K	Straight	60	Yes
TSS72K	K	Straight	72	Yes
TSS84K	K	Straight	84	Yes



Nozzle Thermocouples

Features

- J or K Thermocouples
- Available in lengths up to 128 inches
- Stainless steel leads
- Standard 1/4-28 threaded nut
- Spade lugs for easy wiring



U Inch

Item Number	Type	Thread	Lead Length	Grounded
TN120J	J	1/4 x 28	120	Yes
TN144J	J	1/4 x 28	144	Yes
TN36J	J	1/4 x 28	36	Yes
TN48J	J	1/4 x 28	48	Yes
TN60J	J	1/4 x 28	60	Yes
TN72J	J	1/4 x 28	72	Yes
TN84J	J	1/4 x 28	84	Yes
TN96J	J	1/4 x 28	96	Yes
TN120K	K	1/4 x 28	120	Yes
TN128K	K	1/4 x 28	128	Yes
TN160K	K	1/4 x 28	160	Yes
TN36K	K	1/4 x 28	36	Yes
TN36K-NG	K	1/4 x 28	36	No
TN48K	K	1/4 x 28	48	Yes
TN60K	K	1/4 x 28	60	Yes
TN72K	K	1/4 x 28	72	Yes
TN84K	K	1/4 x 28	84	Yes



Spade-Type Thermocouples

Features

- J or K Thermocouples
- Stainless steel leads up to 144 inches
- Heavy Duty Construction
- Simply fits under the nozzle heater band
- Dimensions: 3/4" x 3/4"



U Inch

Item Number	Type	Lead Length	Width	Length
TSP48J	J	48	.75	.75
TSP48K	K	48	.75	.75
TSP72J	J	72	.75	.75
TSP72K	K	72	.75	.75
TSP96K	K	96	.75	.75
TSP144J	K	144	.75	.75

Washer-Type Thermocouples

Features

- J or K Thermocouples
- Stainless steel leads up to 96 inches
- Heavy Duty Construction
- 1/8" NPT Compression Fitting included



Item Number	Type	Lead Length	Stud Diameter
TW1436J	J	1/4	36
TW1448J	J	1/4	48
TW1472J	J	1/4	72
TW31636J	J	3/16	36
TW31648J	J	3/16	48
TW31672J	J	3/16	72
TW31696J	J	3/16	96
TW1436K	K	1/4	36
TW1472K	K	1/4	72
TW31636K	K	3/16	36
TW31696K	K	3/16	96



Compression-Type Thermocouples

Features

- J or K Thermocouples
- Stainless steel leads up to 96 inches
- Heavy Duty Construction
- Fits standard 1/4" or 3/16" studs



U Inch

Item Number	Type	Probe Length	Bend	Lead Length	Grounded
TCOM12-48	J	12	Straight	48	Yes
TCOM12-72J	J	12	Straight	72	Yes
TCOM3-36	J	3	Straight	36	Yes
TCOM3-48	J	3	Straight	48	Yes
TCOM3-96	J	3	Straight	96	Yes
TCOM5-48	J	5	Straight	48	Yes
TCOM5-96	J	5	Straight	96	Yes
TCOM6-48	J	6	Straight	48	Yes
TCOM1248KU	K	12	Straight	48	No

In-Melt Thermocouples

Features

- J or K Type Thermocouples
- Available in 48 & 72 inch stainless steel leads
- 3/8-24 or M12-1 threaded nut available
- One piece construction
- Tested to 20,000 psi
- In-Melt Thermocouple with Swivel Nut



U Inch

Item Number	Type	Lead Length	Sheath	Thread
TM48J	J	48	Grounded	3/8-24
TM48K	K	48	Grounded	3/8-24
TM72J	J	72	Grounded	3/8-24
TM72J-M12	J	72	Grounded	M12-1



Vari-Depth Thermocouples

Features

- J or K Thermocouples
- Stainless steel leads up to 120 inches
- 3/16" Probe diameter fits most injection machine barrels
- Adjustable depth up to 6 inches



U Inch

Item Number	Type	Lead Length	Grounded
TAF120J	J	120	Yes
TAF36J	J	36	Yes
TAF48J	J	48	Yes
TAF48J-U	J	48	No
TAF60J	J	60	Yes
TAF72J	J	72	Yes
TAF84J	J	84	Yes
TAF96J	J	96	Yes
TAF36K	K	36	Yes
TAF48K	K	48	Yes
TAF60K	K	60	Yes
TAF72K	K	72	Yes
TAF84K	K	84	Yes
TAF96K	K	96	Yes



Thermocouple Plugs

Features

- Type J or K
- Male or Female



Item Number	Type	Male or Female	Polarized	Mini or Standard
PPMJ	J	Male	Yes	Standard
PPFJ	J	Female	Yes	Standard
MPJ-BK	K	Male	No	Mini
1210-K	K	Female	No	Mini
1260-K	K	Male	No	Mini

Thermocouple Wire

Features

- Type J
- Solid Wire
- Sold by the foot



Item Number	Type	Gauge	Polarized	Mini or Standard
TWJ	J	24	Yes	Standard



High Heat Tape

Features

- Glass cloth with silicone polymer adhesive
- UL recognized as flame retardant
- Rated up to 356°F



Inch



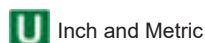
Max Mold Temperature: 356°F (180°C)

Item Number	Width	Length
T34110	3/4"	40 ft

Adaptors

Features

- Steel nickel plated
- Threads in NPT, metric and NF



Inch and Metric

Item Number	Thread Size	Thread Length
TP875-1	1/8-27 NPT	7/8
TP875-2	3/8-24 NF	7/8
TP1250-4	1/8-27 NPT	1-1/4
TP1250-5	12-1.75 MM	1-1/4
TP1500-1	1/8-27 NPT	1-1/2
TP1500-2	3/8-24 NF	1-1/2
TP2500-1	1/8-27 NPT	2-1/2
TP2500-1	3/8-24 NF	2-1/2



Post Protectors

Features

- Ceramic non-conductive material
- 1 and 2 piece construction
- 3 standard thread sizes

 Inch



Item Number	Thread	Construction
PP832	8-32	2 Piece
PP1433	8-32	1 Piece
PP1024	10-24	2 Piece
PP1032	10-32	2 Piece
PP1433	10-32	1 Piece

Wire Lugs

Features

- Nickel construction
- 4 wire sizes

 Inch



Item Number	Wire Size	Stud Size
WL0008	8	10
WL1012	10-12	10
WL1416	14-16	10
WL1622	16-22	10

Wire Splicers

Features

- Nickel Construction
- Nylon insulation options

 Inch



Item Number	Wire Size	Material	Color	Pack
HWCC-1	18-22	Nickel with Nylon Insulation	Orange	30
HWCC-3	14-16	Nickel with Nylon Insulation	Blue	30
SPL1012	10-12	Nickel	Natural	Individual
SPL1416NI	14-16	Nickel with Nylon Insulation	Blue	Individual
SPL1622	16-22	Nickel	Natural	Individual

