

SEAMLESS INCOLOY SHEATH STRIP HEATERS

NS and NSL Series Starts at

\$94



- ✓ 1.9 cm (3/4") Wide, High Temperature
- ✓ Rugged, Reliable, Premium Quality
- ✓ 500 to 3000 Watt
- ✓ 2 Terminals at One End Seamless Construction

FEATURES

Strip-heater advantages for higher-temperature applications are offered by NS series. The heater design, materials and construction give long life for given power densities. The Incoloy sheath encloses nickel-chromium resistance wire embedded in a densely compacted refractory material selected for dielectric insulation value and good heat conduction to the sheath. The small cross-section is often an advantage where space is a factor.

Clamp-on Temperatures to 1200°F
Maximum work temperature depends on the watt density of the heater. (Above right) gives a few examples of work temperatures at different watt densities.

Mounting

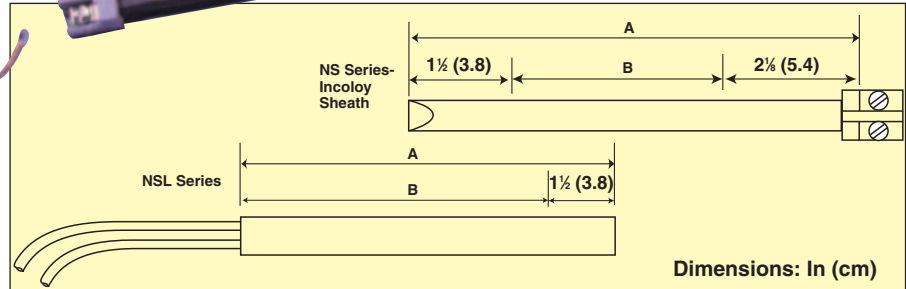
The flat top and bottom surfaces may be flush mounted or sandwiched between two heat-conducting metal parts. Straight heaters can be mounted on surfaces curved to 15 cm (6") inside radius or larger. The heater may be field bent to minimum 8 cm (3") inside radius. Standard strip heater clamps and clamping bands may be used for mounting.

In Free or Forced Air, Sheath Temperature to 1500°F

Maximum work temperature depends on the watt density of



NS-1505/120, \$101, shown smaller than actual size.



the heater. Table 1 (below) gives a few examples of work temperatures at different watt densities.

Optional Features Available

Terminal end bend of 15°—for clearing terminal block when mounted on a flat surface, \$15. Add suffix “-TERMINAL BEND” to model number.

Seal welding end opposite terminals.

Max Work Temperature °F

Application	30 W/in ²	20 W/in ²	10 W/in ²
Clamp-on	300	750	950
Convection			
Air Heating	950	1200	1350

SPECIFICATIONS

Sheath Material: Incoloy
Max Sheath Temp: 399°C (1500°F)
Power: 120, 240 or 480 Vac
Minimum Inside Bend Radius: 76 mm (3")

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)								
Dimension: Inches (cm)		NS Series-Incoloy Sheath				NSL Series-10" Wire Type Leads		
A	B	Watts	W/in ²	Model No.	Price	Model No.	Price	Wt. (lb) kg
12½ (32)	8¾ (23)	500	32	NS-1205/**	\$94	NSL-1205/**	\$118	.63 (.28)
13¾ (35)	10¼ (26)	500	28	NS-1405/**	99	NSL-1405/**	124	.68 (.30)
15⅝ (39)	11⅞ (30)	500	24	NS-1505/**	101	NSL-1505/**	125	.73 (.33)
17⅞ (45)	14⅞ (36)	750	30	NS-1807/**	108	NSL-1807/**	132	.90 (.40)
18½ (47)	14¾ (38)	1000	38	NS-1801/**	108	NSL-1801/*	132	.93 (.42)
19¾ (49)	15¼ (40)	1000	36	NS-1901/*	115	NSL-1901/*	139	1.0 (.45)
21⅞ (54)	17⅞ (45)	1100	35	NS-2001/**	120	NSL-2001/*	143	1.1 (.49)
23¼ (60)	20¼ (51)	1200	34	NS-2401/*	121	NSL-2401/*	147	1.2 (.54)
25¼ (64)	21¼ (55)	1300	34	NS-2501/*	129	NSL-2501/*	149	1.25 (.56)
26⅞ (68)	23⅞ (59)	1400	34	NS-2601/**	131	NSL-2601/*	152	1.30 (.59)
30⅞ (77)	26⅞ (67)	1500	32	NS-3015/*	141	NSL-3015/*	163	1.52 (.68)
33⅞ (86)	30⅞ (77)	1500	28	NS-3301/**	153	NSL-3301/*	175	1.68 (.76)
36¾ (92)	32¾ (83)	1850	32	NS-3601/*	164	NSL-3601/*	186	1.85 (.83)
39 (99)	35¾ (90)	2000	32	NS-3802/*	168	NSL-3802/*	192	2.00 (.90)
40¾ (104)	37¾ (94)	2100	32	NS-4302/*	185	NSL-4302/*	205	2.13 (.96)
51¾ (130)	47¾ (121)	2700	32	NS-4827/**	250	NSL-4827/*	275	2.7 (.12)
54 (138)	50¾ (128)	3000	34	NS-5403/**	285	NSL-5403/**	305	2.75 (.12)

* Designate voltage, i.e.; insert “120” for 120 or “240” or “480” voltage required.

** 120 or 240 Vac only. *** 240 or 480 Vac only.

† To determine maximum allowable watt density, see Figures C-8 to C-10 (page 80).

Ordering Examples: NS-2601/240, seamless Incoloy sheath, \$152.

NSL-1205/120, seamless 10" wire type leads, \$118.

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