

SEAMLESS INCOLOY® SHEATH STRIP HEATERS

NS and NSL Series Starts at

\$97



- ✓ 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

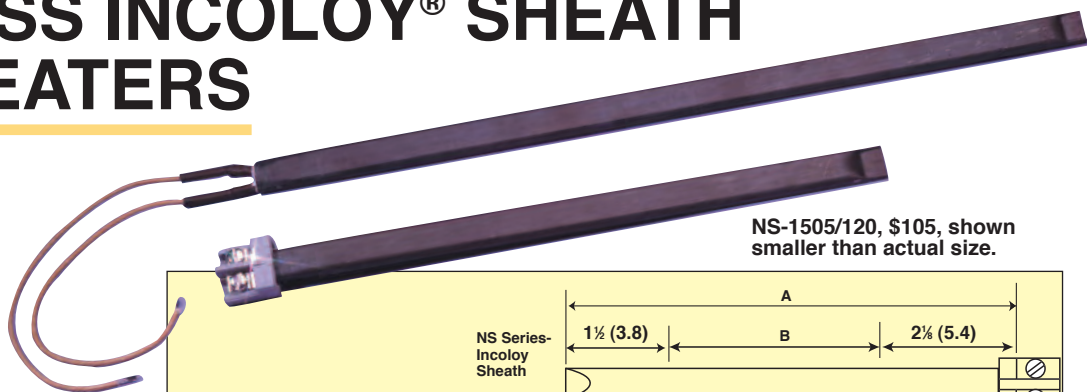
Maximum work temperature depends on the watt density of the heater. (Above right) gives a few examples of work temperatures at different watt densities.

Mounting

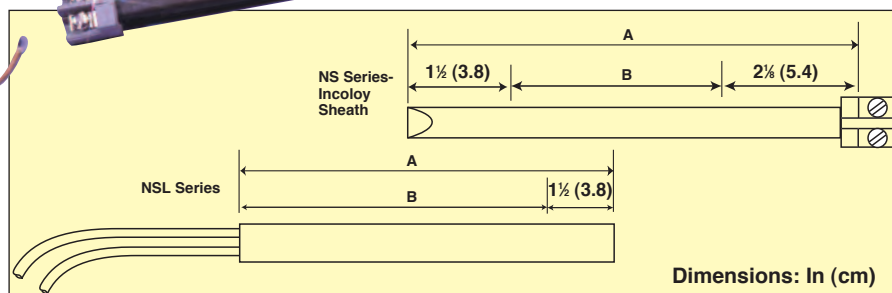
The flat top and bottom surfaces may be flush mounted or sandwiched between two heat-conducting metal parts. Straight heaters can be mounted on surfaces curved to 15 cm (6") inside radius or larger. The heater may be field bent to minimum 8 cm (3") inside radius. Standard strip heater clamps and clamping 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, \$105, 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)	8⅞ (23)	500	32	NS-1205/**	\$97	NSL-1205/**	\$126	0.63 (0.28)
13¾ (35)	10⅞ (26)	500	28	NS-1405/**	103	NSL-1405/**	132	0.68 (0.30)
15⅞ (39)	11⅞ (30)	500	24	NS-1505/**	105	NSL-1505/**	133	0.73 (0.33)
17⅞ (45)	14⅞ (36)	750	30	NS-1807/**	112	NSL-1807/**	140	0.90 (0.40)
18½ (47)	14⅞ (38)	1000	38	NS-1801/**	112	NSL-1801/*	140	0.93 (0.42)
19⅞ (49)	15⅞ (40)	1000	36	NS-1901/*	119	NSL-1901/*	148	1.0 (0.45)
21⅞ (54)	17⅞ (45)	1100	35	NS-2001/**	124	NSL-2001/*	152	1.1 (0.49)
23¾ (60)	20⅞ (51)	1200	34	NS-2401/*	125	NSL-2401/*	156	1.2 (0.54)
25¼ (64)	21⅞ (55)	1300	34	NS-2501/*	133	NSL-2501/*	158	1.25 (0.56)
26⅞ (68)	23⅞ (59)	1400	34	NS-2601/**	135	NSL-2601/*	162	1.30 (0.59)
30⅞ (77)	26⅞ (67)	1500	32	NS-3015/*	146	NSL-3015/*	173	1.52 (0.68)
33⅞ (86)	30⅞ (77)	1500	28	NS-3301/**	158	NSL-3301/*	186	1.68 (0.76)
36⅞ (92)	32⅞ (83)	1850	32	NS-3601/*	169	NSL-3601/*	198	1.85 (0.83)
39 (99)	35⅞ (90)	2000	32	NS-3802/*	174	NSL-3802/*	205	2.00 (0.90)
40¾ (104)	37⅞ (94)	2100	32	NS-4302/*	191	NSL-4302/*	220	2.13 (0.96)
51⅞ (130)	47⅞ (121)	2700	32	NS-4827/**	260	NSL-4827/*	295	2.7 (0.12)
54 (138)	50⅞ (128)	3000	34	NS-5403/**	290	NSL-5403/**	325	2.75 (0.12)

* 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, \$135.

NSL-1205/120, seamless 10" wire type leads, \$126.



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