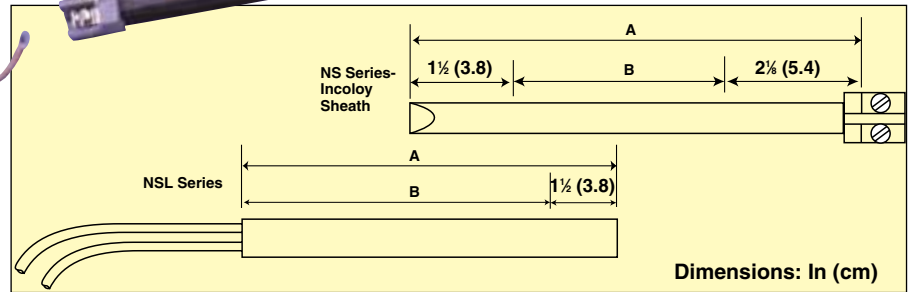
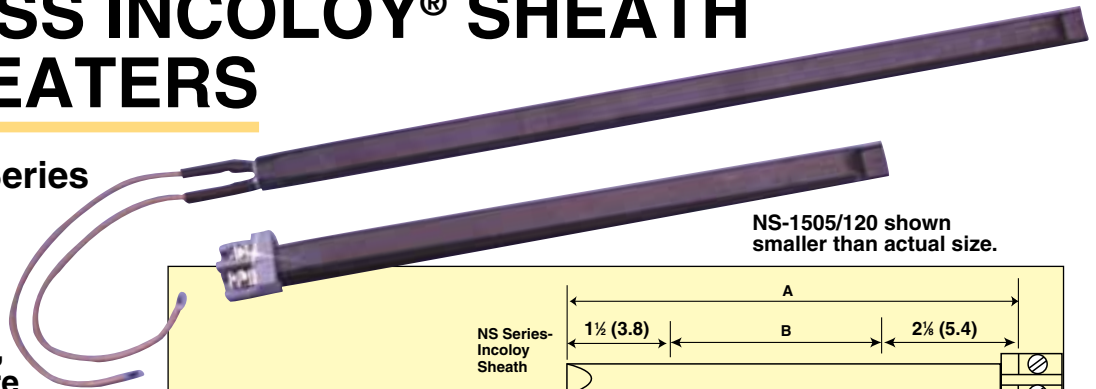


SEAMLESS INCOLOY® SHEATH STRIP HEATERS

NS and NSL Series



- ✓ 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

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, 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")

To Order

Dimension: Inches (cm)		NS Series—Incoloy Sheath			NSL Series—10" Wire Type Leads	
A	B	Watts	W/In ^{2†}	Model No.	Model No.	Wt. (lb) kg
12 1/2 (32)	8 7/8 (23)	500	32	NS-1205/**	NSL-1205/**	0.63 (0.28)
13 3/4 (35)	10 1/8 (26)	500	28	NS-1405/**	NSL-1405/**	0.68 (0.30)
15 7/16 (39)	11 11/16 (30)	500	24	NS-1505/**	NSL-1505/**	0.73 (0.33)
17 11/16 (45)	14 3/16 (36)	750	30	NS-1807/**	NSL-1807/**	0.90 (0.40)
18 1/2 (47)	14 7/8 (38)	1000	38	NS-1801/**	NSL-1801/*	0.93 (0.42)
19 9/16 (49)	15 3/8 (40)	1000	36	NS-1901/*	NSL-1901/*	1.0 (0.45)
21 1/16 (54)	17 13/16 (45)	1100	35	NS-2001/**	NSL-2001/*	1.1 (0.49)
23 3/4 (60)	20 1/8 (51)	1200	34	NS-2401/*	NSL-2401/*	1.2 (0.54)
25 1/4 (64)	21 1/8 (55)	1300	34	NS-2501/*	NSL-2501/*	1.25 (0.56)
26 11/16 (68)	23 3/16 (59)	1400	34	NS-2601/**	NSL-2601/*	1.30 (0.59)
30 3/16 (77)	26 9/16 (67)	1500	32	NS-3015/*	NSL-3015/*	1.52 (0.68)
33 3/16 (86)	30 5/16 (77)	1500	28	NS-3301/**	NSL-3301/*	1.68 (0.76)
36 3/8 (92)	32 3/8 (83)	1850	32	NS-3601/*	NSL-3601/*	1.85 (0.83)
39 (99)	35 3/8 (90)	2000	32	NS-3802/*	NSL-3802/*	2.00 (0.90)
40 3/4 (104)	37 1/8 (94)	2100	32	NS-4302/*	NSL-4302/*	2.13 (0.96)
51 1/8 (130)	47 3/4 (121)	2700	32	NS-4827/**	NSL-4827/*	2.7 (0.12)
54 (138)	50 3/8 (128)	3000	34	NS-5403/**	NSL-5403/**	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.

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

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