

439-137-253

# Accessories

## for Professional Audio

### Adapters

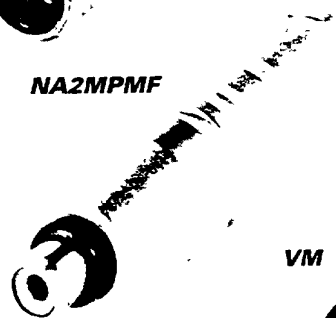


NA3FF

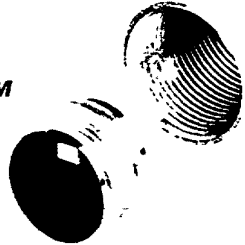


NAM4

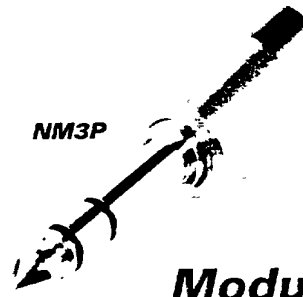
NA2MPMF



VM



NM3P

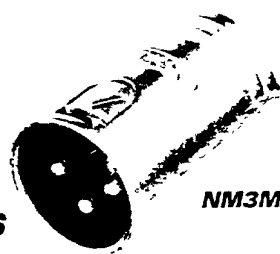


### Modules

NTM1



NM3MXI

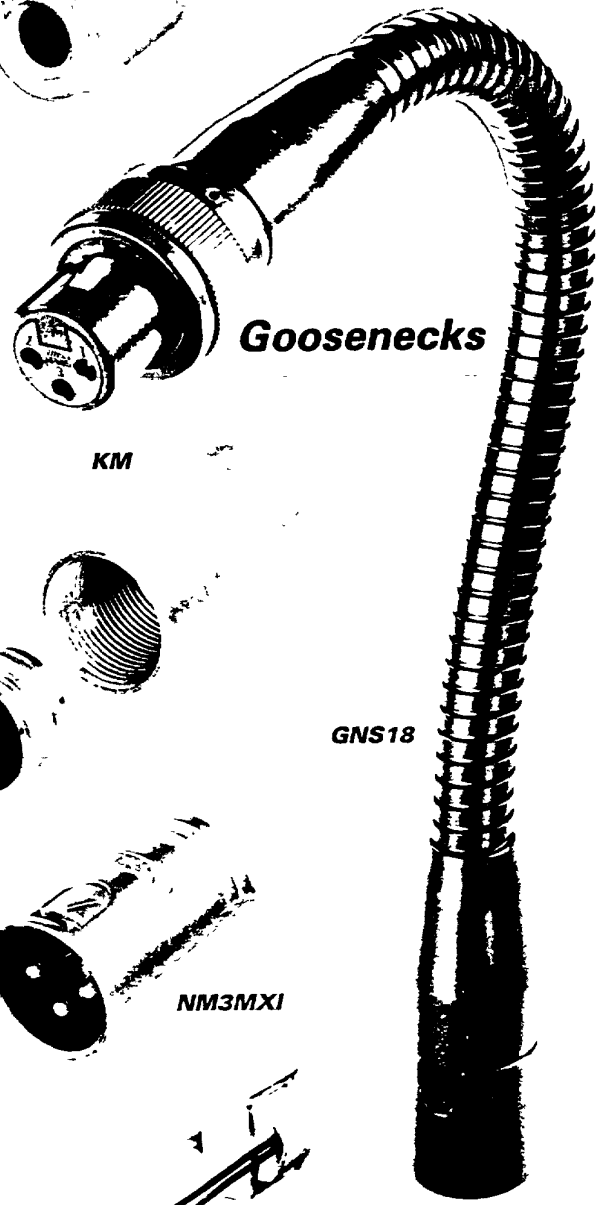


### Transformers

NTE1



### Goosenecks



GNS18



# HEINTRIK

**CONNECTING THE WORLD**

CONNECTORS  
AUDIO TEST SYSTEMS  
INFOMATIC SYSTEMS

## DESCRIPTION

### GOOSENECKS

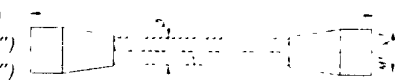
For flexible and secure mounting of microphones etc.

The versatile, modular system allows all conceivable combinations. Durable stainless steel spiral, non reflective black matt finish.

No rust, no noise.

Theft proof microphone connection.

GN 18 / 230 mm (9")  
GN 36 / 360 mm (14")  
GN 50 / 500 mm (20")



GN 18:  $\varnothing$  12 mm (.47")  
GN 36:  $\varnothing$  13 mm (.51")  
GN 50:  $\varnothing$  15 mm (.59")

### Gooseneck-Adapters included in GNS-Series

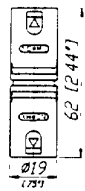


### ADAPTERS:

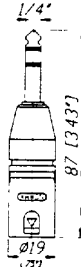
Versatile, preassembled and ready to use problem solvers to reliably interlock various connector systems or thread standards.

Professional look and compact design, rugged die cast shell based on the X-series connector system, the worldwide accepted XLR standard.

#### NA3MM



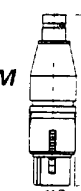
#### NA3MP



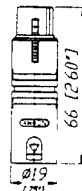
#### NA2FPMF



#### NA2MBNC



#### NA3FM



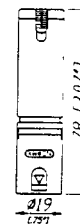
#### NA3FP



#### NA2MPMM



#### NA3MJ



### MODULES.

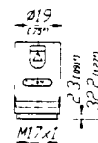
Many different function modules allow designing new adapters to suit your specific needs

Based on the X-series connector system, for professional and reliable connections. NTE transformers can be built in.

#### NM3FXI



#### NM3MXI



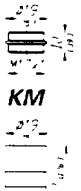
#### NM2P



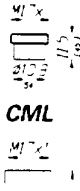
#### NM3P



#### VM



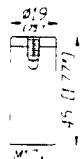
#### VMX



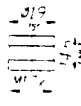
#### 2PMM



#### NM3J



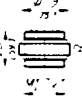
#### KMX



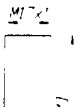
#### CM



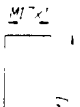
#### SM2/2



#### KM



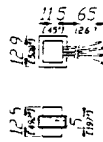
#### CML



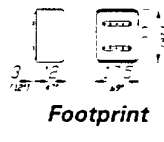
### TRANSFORMERS:

Professional audio transformers for multiple applications, audio-, studio-, and line inputs very low distortion, excellent frequency response.

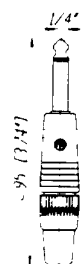
#### NTE-Series



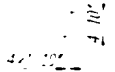
#### NTL/NTM-Series



#### NP2C-T10



Footprint



## ORDERING INFORMATION

	Name	Input	Output	Comments
Gooseneck	<b>GN18</b>	M17x1 inner thread	M17x1 inner thread	230 mm length
	<b>GN36</b>	M17x1 inner thread	M17x1 inner thread	360 mm length
	<b>GN50</b>	M17x1 inner thread	M17x1 inner thread	500 mm length
Gooseneck set	<b>GNS18</b>	M17x1 inner thread	M17x1 inner thread	<b>Sets include, beside GN18, 36 or 50</b> • black NC3FX-spec XLR female with securing ring and fixing screw to prevent theft and noise • black adapter M17x1 outer to 5/8" 27 UNS inner thread with through hole and cable outlet • thread adapter M17x1 outer - 3/8" outer thread • thread adapter 3/8" inner - 5/8" 27 UNS outer thread
	<b>GNS36</b>	M17x1 inner thread	M17x1 inner thread	
	<b>GNS50</b>	M17x1 inner thread	M17x1 inner thread	
Flange	<b>GF1</b>			panel mounting kit including mounting screw M17x1, 13 mm length
Mounting screw	<b>MSG</b>			M17x1 30 mm length
Adapter	<b>NA3FF</b>	XLR female	XLR female	<b>All XLR connections are 3 pole, locking gender conversion</b> gender conversion extension locking jack locking jack  *) wired according to IEC 268-12. pin 2 = signal pin 1 and 3: connected to ground  **) 5/8" 27 UNS
	<b>NA3MM</b>	XLR male	XLR male	
	<b>NA3FM</b>	XLR female	XLR male	
	<b>NA3FJ</b>	XLR female	stereo 1/4" jack	
	<b>NA3MJ</b>	XLR male	stereo 1/4" jack	
	<b>NA2FP</b>	XLR female	mono 1/4" plug*	
	<b>NA2MP</b>	XLR male	mono 1/4" plug*	
	<b>NA3FP</b>	XLR female	stereo 1/4" plug	
	<b>NA3MP</b>	XLR male	stereo 1/4" plug	
	<b>NA2FBNC</b>	XLR female	BNC socket*	
	<b>NA2MBNC</b>	XLR male	BNC socket*	
	<b>NA2FPMF</b>	XLR female	phono (RCA-) jack*	
	<b>NA2MPMF</b>	XLR male	phono (RCA-) jack*	
	<b>NA2FPMM</b>	XLR female	phono (RCA-) plug*	
	<b>NA2MPMM</b>	XLR male	phono (RCA-) plug*	
	<b>NAM1</b>	M17x1 outer thread	outer thread**	
	<b>NAM4</b>	M17x1 outer thread	inner thread**	
	<b>NAM5</b>	3/8" inner thread	outer thread**	
Coupler Coupler	<b>VM</b>	M17x1 outer thread	M17x1 outer thread	plastic, holds NTE-series transformers in place all metal
	<b>VMX</b>	M17x1 outer thread	M17x1 outer thread	
Housing Housing	<b>NM3FXI</b>	XLR female	M17x1 outer thread	
	<b>NM3MXI</b>	XLR male	M17x1 outer thread	
Housing Housing Connector Housing	<b>NM2P</b>	mono 1/4" plug	M17x1 inner thread	locking jack
	<b>NM3P</b>	stereo 1/4" plug	M17x1 inner thread	
	<b>2PMM</b>	mono 1/4" plug	M17x1 outer thread	
	<b>NM3J</b>	stereo 1/4" jack	M17x1 inner thread	
Switch Module Housing Housing Cable Housing Cable Housing	<b>SM2/2</b>	M17x1 outer thread	M17x1 outer thread	2x2 switch positions long version short version short version long version
	<b>KM</b>	M17x1 inner thread	M17x1 inner thread	
	<b>KMX</b>	M17x1 inner thread	M17x1 inner thread	
	<b>CM</b>	cable outlet	M17x1 inner thread	
	<b>CML</b>	cable outlet	M17x1 inner thread	

	Standard	Source/load impedances in Ω	Turns Ratio	Max. Input Voltage (1% THD @60Hz)	
Audio input	<b>NTE1</b>	200 / 200	1 1	880mV	free wires, red mark
Audio input	<b>NTE4</b>	200 / 10K	1 4	450mV	free wires, yellow mark
Audio input	<b>NTE10/3</b>	200 / 50K	1 3 10	500mV	free wires, orange mark
1/4" Phone plug	<b>NP2C-T10</b>	200 / 50K	1 10	450mV	with built-in transformer to convert microphone levels to guitar inputs
Studio line	<b>NTL1</b>	600 / 600	1 1	6V (1% THD @30Hz)	PCB mounting, fully Mu-metal shielded
Studio microphone input	<b>NTM1</b>	200 / 200	1 1	1.5V	PCB mounting, fully Mu-metal shielded
	<b>NTM4</b>	200 / 10K	1 4	1.5V	PCB mounting, fully Mu-metal shielded

## Specification and Technical Data Goosenecks, Adapters and Modules

Gooseneck made of CuZn39Pb2, stainless steel spiral inside, non reflective, black matt finish

	<b>XLR part</b>	<b>Jack/Plug part</b>
Insertion / withdrawal force	≤ 20N / ≤ 20N	depends on mating connector
Solderability	complies with IEC 68-2-20	complies with IEC 68-2-20
Contact resistance	≤ 3m Ω	depends on mating connector
Insulation resistance	≥ 2x10 <sup>9</sup> Ω	≥ 2x10 <sup>9</sup> Ω
after salt mist & damp heat test (IEC 68-2-11, IEC 68-2-30)	≥ 10 <sup>9</sup> Ω	≥ 10 <sup>9</sup> Ω
Dielectric withstanding voltage	1.5kV DC	1kVDC (2pole) 0.5kVDC (3pole)
Temperature range	-20° C to +65° C	-20° C to +65° C
Rated current per contact	16A	depends on mating connector
Max. wire size	1.5 mm <sup>2</sup> / AWG14	1.2 mm <sup>2</sup> / AWG16
Capacity between contacts	≤ 4pF	depends on mating connector
Housing	ZnAl4Cu1, gal Cu/Ni	ZnAl4Cu1, gal Cu/Ni
Contact insert / insulation	PA 6.6 30% gr	PA 6.6 30% gr
Contacts	CuZn39Pb3 (male) CuSn6 (female)	CuZn39Pb3 (plug) CuBe2 (jack)
Contact surface	galv. 2μ Ag	galv. 2μ Ni (plug), galv. 2μ Ag (jack)

General specifications might change after wiring of the components

### Some possible module combinations:

XLR adapter female-male with built in transformer  
XLR to phone plug adapter with built in transformer  
XLR connector or phone plug with spare space for custom designed electronics  
Switch selected path, transformer or electronics

NM3FXI+NTE+KMX+NM3MXI  
NM3FMXI+NTE+KMX+VMX+NM2P  
CML+NM3MXI or CML+NM3FXI  
or CML+VMX+NM2P  
NM2FXI+KM+SM2/2+KMX+NM3MXI

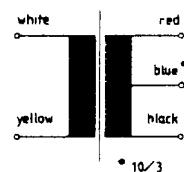
### Transformers

	ripple 20Hz-20kHz	max. input voltage THD ≤ 1%    THD ≤ 3%		source impedance
NTE1	max. -1dB	880mV	980mV	200Ω
NTE4	max. -1dB	1050mV	1210mV	1kΩ
NTE10/3	max. -2dB	940mV	1220mV	10kΩ

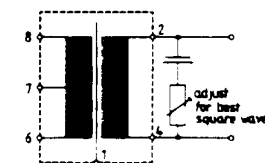
  

	Turns ratio	winding resistance primary    secondary		inductance primary at 30Hz
NTL1	1 : 1 ± 5%	1.1kΩ ± 5%	1.35kΩ ± 5%	≥ 150 Hy
NTM1	1 : 1 ± 10%	105Ω ± 3%	1.25kΩ ± 5%	≥ 8 Hy
NTM4	1 : 4 ± 10%	105Ω ± 3%	1.25kΩ ± 5%	≥ 8 Hy

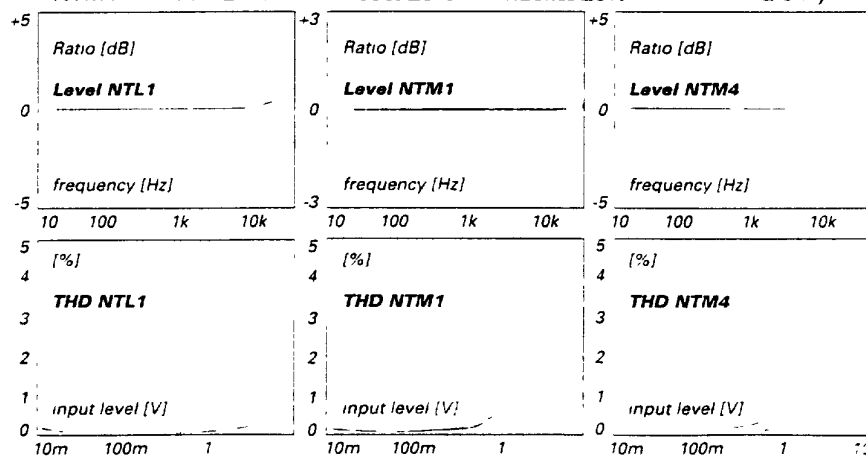
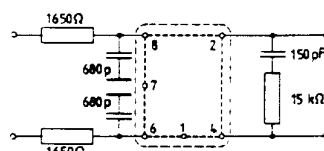
#### NTE1, 4, 10/3



#### NNT1, NTM1, 4



#### NNT1: typical application



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