



TLM 103



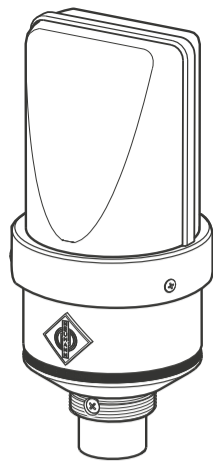
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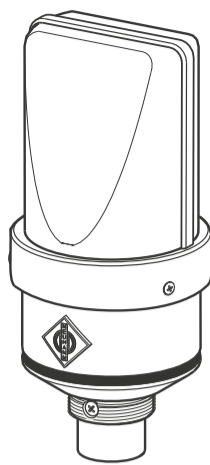


SG 2

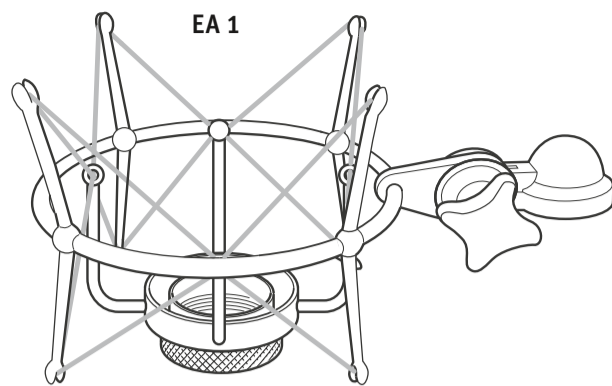


Mono Set | Studio Set

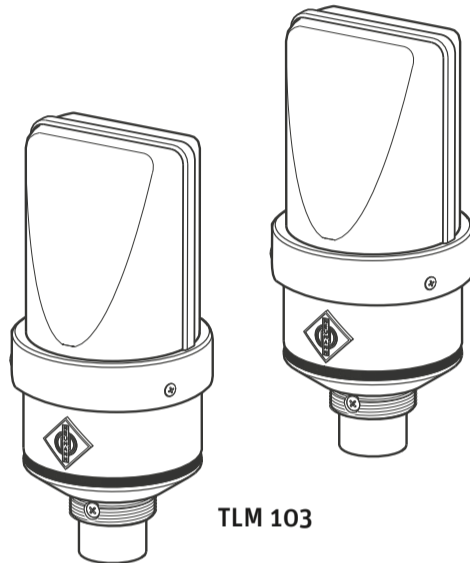
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EA 1

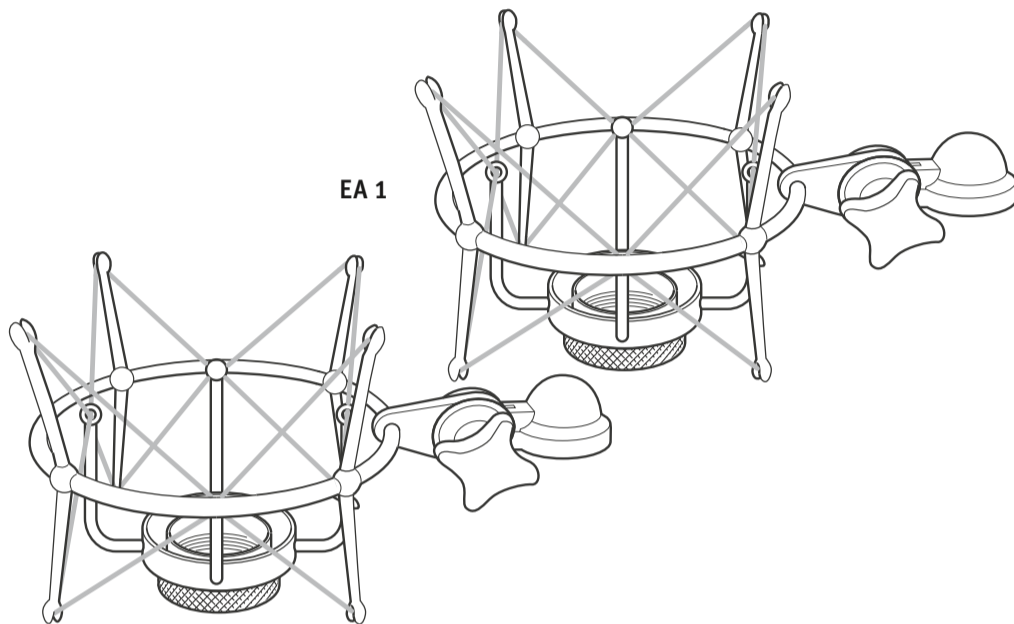


Stereo Set



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EA 1



For details on further optional accessories see [www.neumann.com](http://www.neumann.com)



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Specifications

Acoustic operating principle	Pressure gradient transducer
Directional pattern	Cardioid
Frequency range	20 Hz - 20 kHz
Sensitivity at 1 kHz into 1 kΩ	23 mV/Pa $\approx$ -32.5 dBV $\pm$ 1 dB
Rated impedance	50 $\Omega$
Rated load impedance	1000 $\Omega$
Signal-to-noise ratio, CCIR <sup>1)</sup> (rel. 94 dB SPL)	76.5 dB
Signal-to-noise ratio, A-weighted <sup>1)</sup> (rel. 94 dB SPL)	87 dB
Equivalent noise level, CCIR <sup>1)</sup>	17.5 dB
Equivalent noise level, A-weighted <sup>1)</sup>	7 dB-A
Maximum SPL for THD $\leq$ 0.5% <sup>2)</sup>	138 dB
Maximum output voltage	13 dBu
Supply voltage (P48, IEC 61938)	48 V $\pm$ 4 V
Current consumption (P48, IEC 61938)	3 mA
Matching connector	XLR3F
Weight	450 g
Dimensions (diameter / length)	$\varnothing$ 60 mm / 132 mm
Operating temperature range	0 °C - +70 °C (32 °F - 158 °F)
Storage temperature range	-20 °C - +70 °C (-4 °F - 158 °F)
Humidity range	max. 90 % at +20 °C

<sup>1)</sup> according to IEC 60268-1; CCIR-weighting according to CCIR 468-3, quasi peak; A-weighting according to IEC 61672-1, RMS  
<sup>2)</sup> measured as equivalent el. input signal

