

beyerdynamic 

PRODUKTINFORMATION

PRODUCT INFORMATION

INFORMATIONS DE PRODUIT

Classis GM 302 - 306

Classis GM 314 - 315

Schwanenhalsmikrofon

Gooseneck Microphone

Microphone sur col de cygne

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PRODUCT INFORMATION Classis GM 302 - 306 / Classis 314 - 315

Thank you for selecting one of the GM 302 - 306 / GM 314 - 315 gooseneck microphones of the Classis series from beyerdynamic. Please take some time to read carefully through this information before using the product.

Gooseneck - Caution

In order to avoid overstretching and premature wear and tear never bend the gooseneck more than 90°.

Applications

This gooseneck microphone features a cardioid polar pattern, high gain before feedback and excellent intelligibility of speech.

It is suitable for use on lecterns, sound reinforcement applications, conferencing, high quality talkback and paging systems. All microphones feature the innovative Scudio™ technology, making the microphones absolutely insensitive to wireless communication devices such as mobile phones.

Installation and Connection

For example an XLR flange socket is installed into the tabletop and connected to the amplifier input (pin 1: ground, pin 2: NF+, pin 3: NF-). As an alternative there are installation and shock-mounted holders available (refer to "Optional Accessories"). The microphone is connected and ready for operation.

The microphones need a phantom supply of 8 - 52 V for operation.

Versions with illuminated ring (Classis GM 314 - 315)

In order to avoid interference, we recommend that the audio and the supply for the illuminated ring are individually screened. Connection: pin 4/LED-: cathode, pin 5/LED+: anode.

Maintenance

For cleaning the gooseneck microphone use a soft damp cloth. If necessary you can use a mild cleansing agent (such as washing-up liquid). Do not use any solvent agents and make sure that no water enters the transducer element.

Service

In the unlikely event of equipment failure, the microphone should be returned to your beyerdynamic dealer. Dismantling the microphone yourself will invalidate the guarantee.

Versions

Model	Description	Order #
Classis GM 302	XLR plug, 200 mm [8"]	489.557
Classis GM 303	XLR plug, 300 mm [12"]	722.383
Classis GM 303 S	same as above, but with switch	489.549
Classis GM 304	XLR plug, 400 mm [16"]	722.391
Classis GM 304 S	same as above, but with switch	489.301
Classis GM 305	XLR plug, 500 mm [20"]	722.405
Classis GM 305 S	same as above, but with switch	722.413
Classis GM 306	XLR plug, 600 mm [24"]	724.246

Model	Description	Order #
Classis GM 305 T	5/8" internal thread / adapter to 3/8" and M18x0.75 external thread, length 500 mm 500 mm [20"], connecting cable 2.5 m [8.2 ft] with 4-pin female mini XLR connector, incl. CVE 305.18 pre-amp, ZSH 305 small base plate, wind shield	722.421
Classis GM 314	XLR plug, 400 mm [16"], LED ring	722.448
Classis GM 314 S	same as above, but with switch	723.231
Classis GM 314 E	XLR plug, 400 mm [16"], LED ring, without amp, for Installation with MCS 563 L, MCS 553 L, MCS-D 3643, inkl. wind shield.	489.581

Model	Description	Order #
Classis GM 315	XLR plug, 500 mm [20"], LED ring	722.456
Classis GM 315 S	same as above, but with switch	722.464
Classis GM 314 E	XLR plug, 500 mm [20"], LED ring, without amp, for Installation with MCS 563 L, MCS 553 L, MCS-D 3643, inkl. wind shield.	489.565

Supplied Accessories

Model	Description	Order #
WS 302 B	Wind shield for Classis GM 302 - 3x5 (S), black	722.782

Optional Accessories

ZSA 305	Mounting adapter for the use of Classis GM 305 T with ZSH 20	723.037
ZSH 23 FT	Base plate with 3-pin XLR-socket and cable	464.902
ZSH 25 FT	Base plate with 5-pin XLR-socket and cable	464.910
ZSH 20	Shock-mounted holder for desktop installation	454.559

Technical Specifications

Classis GM 302 - 306 / GM 314 - 315

Transducer type	Electret condenser
Operating principle	Pressure gradient

Polar pattern	Cardioid
Frequency response	50 - 19,000 Hz
Open circuit voltage	17 mV/Pa
Nominal impedance	< 200 Ω
Load impedance	≥ 1 k Ω
Signal to noise ratio / noise voltage . . .	69 dB [A] / 6.0 μ V [A]
Max. SPL	107 dB [SPL @ 1% THD]
Equivalent SPL	25 dB [A]
Wiring GM 30x/30x S/31x S	balanced with 3-pin XLR-plug
Wiring GM 31x	5-pin XLR-plug
Wiring GM 305 T	balanced, 2.5 m [8.2 ft.] long connecting cable with 4-pin female mini XLR

connector for CVE 305.18 pre-amp with 3-pin XLR connector	
Supply voltage GM 30x/31x	Phantom power 8 - 52 V
Supply voltage GM 30x S/31x S	Phantom power 8 - 52 V
Current consumption GM 30x/31x	2 mA
Current consumption GM 30x S	6 mA
Current consumption GM 31x S	9 mA
Current consumption LED ring with internal resistor of 500 Ω at 5 V supply voltage	6 mA
at 12 V supply voltage	20 mA

Dimensions	
Length	depending on the version
Head diameter	13.6 mm [0.5"]
Gooseneck diameter.	6 mm [0.2"]
Shaft diameter	20 mm [0.8"]
Weight.	depending on the version

Classis GM 314 - 315 E

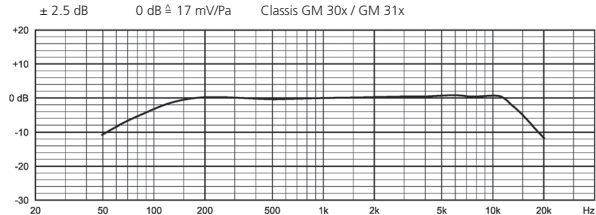
Transducer type	Electret condenser
Operating principle.	Pressure gradient
Polar pattern	Cardioid
Frequency response	50 - 19,000 Hz
Open circuit voltage	17 mV/Pa*
Signal to noise ratio / noise voltage. . .	69 dB [A] / 6,0 µV [A]*
Max. SPL	107 dB [SPL @ 1%

THD]*	
Equivalent SPL	25 dB [A]*
Wiring GM 31x	5-pin XLR connector
Current consumption LED ring with internal series resistor of 500 Ω	
at 5 V supply voltage	6 mA
at 12 V supply voltage	20 mA
Electrical parameters of the capsule with 2-pole connection without the CVE 305.18 power supply unit:	
Supply voltage	1.5 - 10 V
Series resistor (recommended)	2.2 kohms
Sensitivity	approx. -47 dBV/Pa
Dimensions	
Length	depending on the version

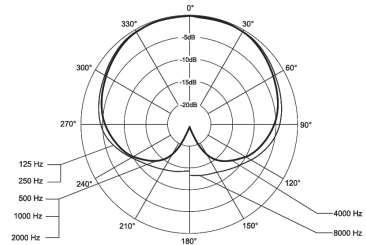
Head diameter	13.6 mm [0.5"]
Gooseneck diameter.	6 mm [0.2"]
Shaft diameter	20 mm [0.8"]
Weight.	depending on the version

*measured with CVE 305.18 power supply

Frequenzkurve / Frequency Response Curve / Courbe de fréquence

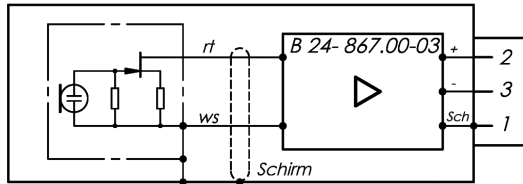


Richtdiagramm / Polar Pattern / Diagramme de directivité



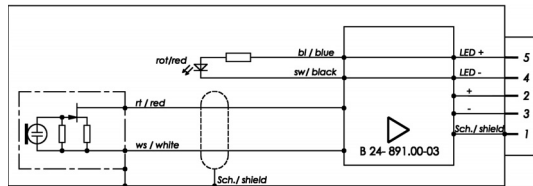
Schaltbilder / Wiring Diagrams / Diagrammes de câblage

Classis GM 30x

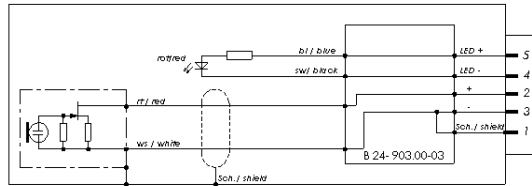


rt = rot / red / rouge
ws = weiß / white / blanc
Sch = Schirm / shield / écran

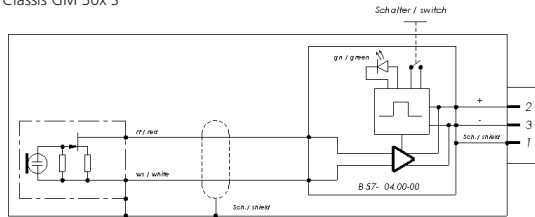
Classis GM 31x



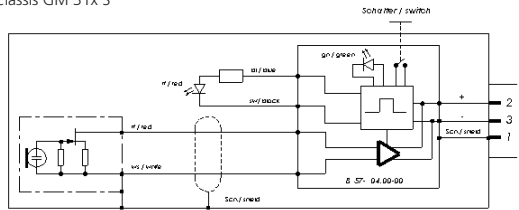
Classis GM 314 E - 315 E



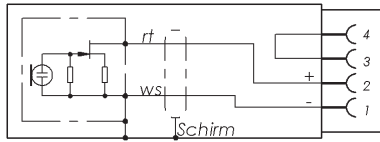
Classis GM 30x S



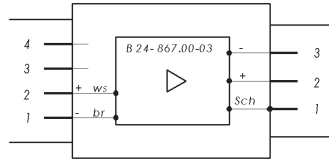
Classis GM 31x S



Classis GM 305 T

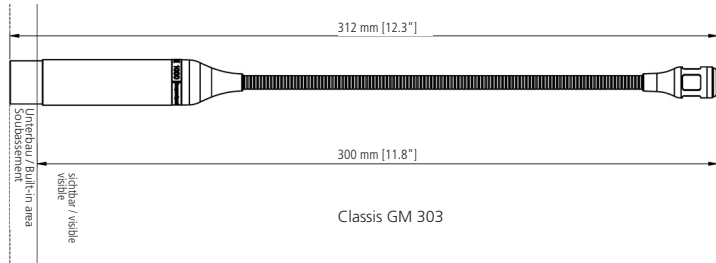
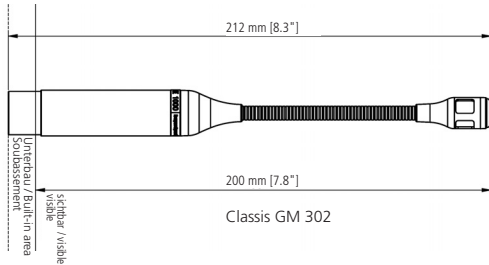


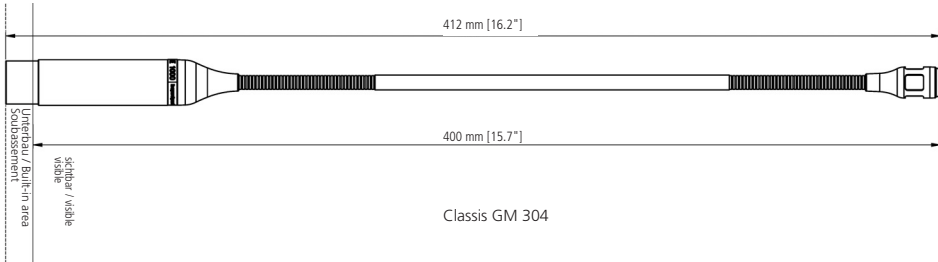
CVE 305.18



br = braun / brown / brun
rt = rot / red / rouge
ws = weiß / white / blanc
Sch = Schirm / shield / écran

Abmessungen / Dimensions / Dimensions

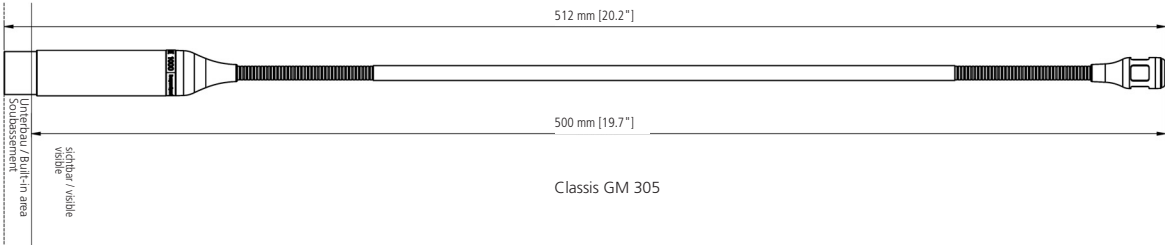




512 mm [20.2"]

500 mm [19.7"]

Classis GM 305





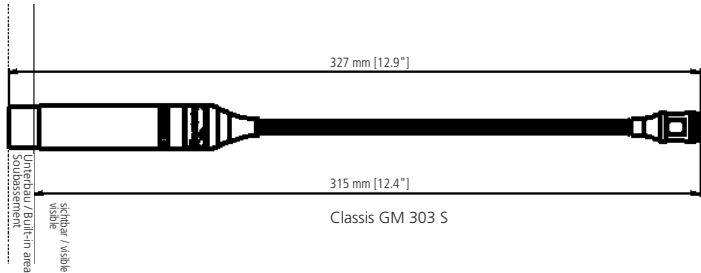
612 mm [24.1"]

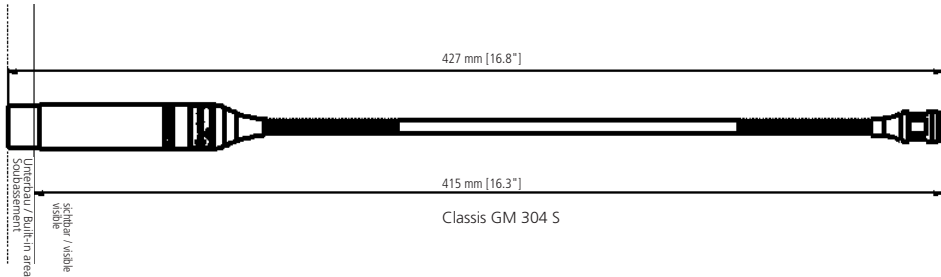
600 mm [23.6"]

Classis GM 306

Unterbau / Built-in area
Soubassement

sichtbar / visible
visible

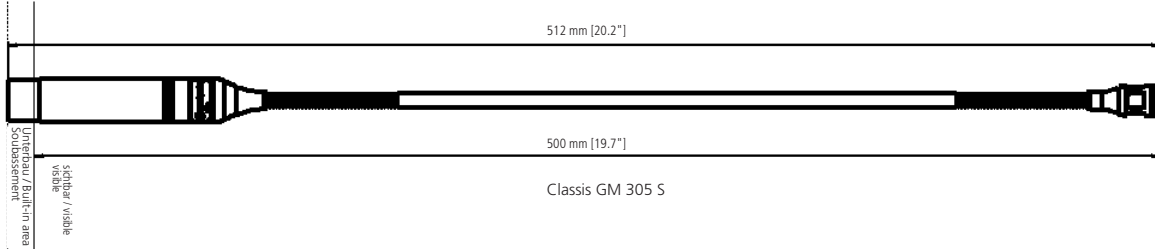


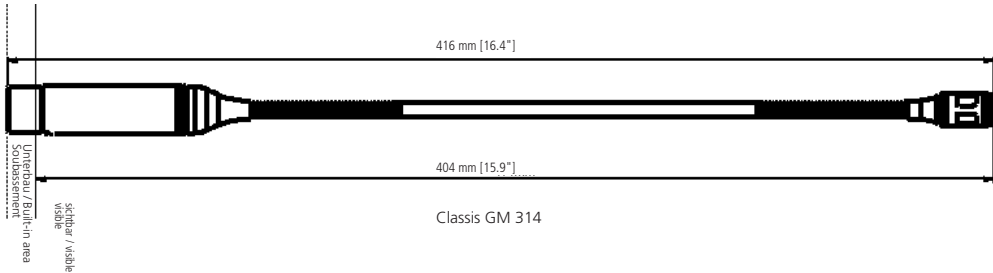


512 mm [20.2"]

500 mm [19.7"]

Classis GM 305 S







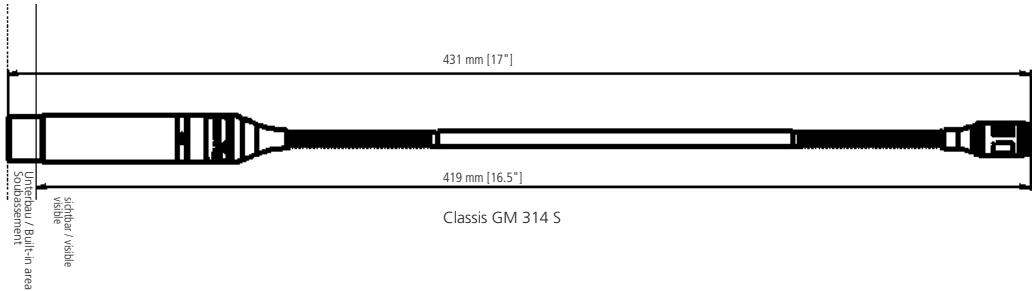
516 mm [20.3"]

504 mm [19.8"]

Classis GM 315

Unterbau / Built-in area
Soubassement

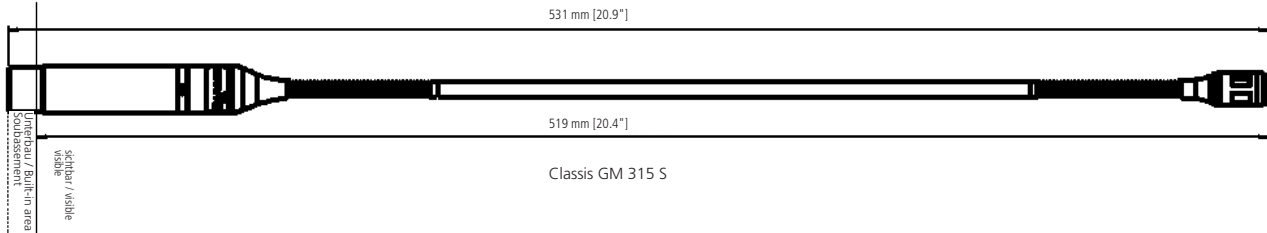
sichtbar / visible
visible

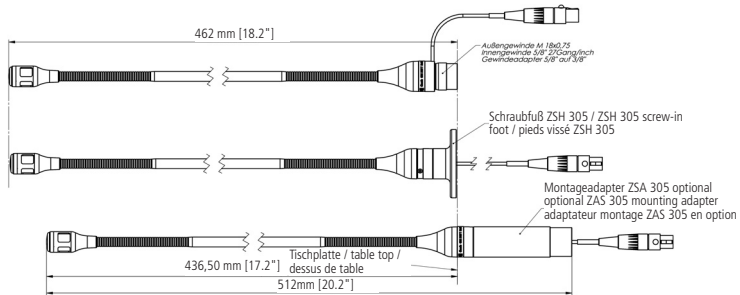


531 mm [20.9"]

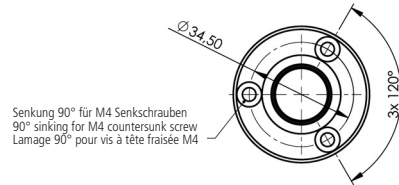
519 mm [20.4"]

Classis GM 315 S





ZSH 305 – Schraubfuß / screw-in foot / pieds vissé



beyerdynamic))))

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Weitere Vertriebspartner weltweit finden Sie unter www.beyerdynamic.com

For further distributors worldwide, please go to www.beyerdynamic.com

DEF 8/BA GM 302 - 3x5 (08.13)/620.688 • Änderungen und Irrtümer vorbehalten

Subject to change without notice • Sous réserve de modifications

