



Full Windshield System





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FULL WINDSHIELD SYSTEM

The full windshield system retains all the renowned Rycote features of flexibility, balance and professional performance and is made up of the following elements:

- **Modular Suspension**
- **Modular Windshield**
- **Windjammer**

MODULAR SUSPENSION

The Modular Suspension completely supports the microphone in a cradle arrangement, using our patented lyre suspension webs. The suspension provides isolation of handling noise from the boom pole or handle.

MODULAR WINDSHIELD

The Modular Windshield completely surrounds the microphone and its connector, providing a volume of still air around the microphone. This means that the windshield provides exceptional protection against wind noise.

WINDJAMMER

The Windjammer is designed to fit over the Windshield to provide the highest possible protection against extreme wind.



WINDJAMMER



WINDSHIELD



MODULAR SUSPENSION



MODULAR SUSPENSION

The Modular Suspension provides highly effective isolation against handling and cable-borne noise from the boom pole or pistol grip handle.

The suspensions high precision modular frame, is extremely robust and lightweight, and will fit a wide range of microphones.

MODULAR SUSPENSION

Each suspension is equipped with a lightweight boom adaptor and a pistol grip handle, both of which can be attached to 3/8" (16 tpi) Whitworth threaded mic stands or boom poles.

Unlike most microphone suspensions, the Modular (Mono) Suspension does not use elastic bands, instead it uses our patented, "Lyre" webs. Two types of web are supplied with the suspension - 2 x Universal (19-25 mm) lyres fitted for all round microphones and 2 x D-shaped MKH lyres (for Sennheiser MKH 40, 50, 60 & 70). The positions of the lyre webs can easily be adjusted with the supplied hex key. For longer & heavier microphones used on the Large modular suspensions & Windshield 7 & 8 kits, the lyres are made from a stiffer grade of plastic, and they are grey in colour instead of the standard black lyres.

RYCOTE LYRE WEB

The Rycote 'lyre' webs rely primarily on their shape to give different performance on each axis. Typically, a 100g force will barely move a microphone 1mm along the (up & down) Y axis, whereas it will move about four times that on the (left & right) X axis. In the critical Z axis, it will move something like 10 times as far.

With a very low inherent tension the resonant frequency can be very low too, and the Z displacement can be vast. Even with small-mass compact microphones, a resonance of <8Hz is possible, which means that microphones can be well-isolated across almost their entire frequency range.



SMOOTH DAMPING

Damping has to be added to metal spring suspensions, and although integral to rubber band versions, is not very easy to control. With the Rycote lyre webs however, damping has been elegantly created using a special blend of plastics unique in this field. The Hytrel that Rycote uses not only damps smoothly but maintains its characteristics even down to arctic temperatures, where springs and elastic bands become brittle and fragile, as the range of softness for rubber and foam is limited. However this does not apply to lyre webs. The lyre webs isolate microphones down to <30Hz, yet are tough enough to be dropped on the floor without risk. It also has a 'shape memory' that allows it to be tied in knots without developing a permanent 'set' - or breaking, making the lyre virtually unbreakable.

The Rycote lyre has 'shape memory' that allows it to be tied in knots without developing a permanent 'set' or breaking, making the lyre virtually unbreakable.

Will the lyres work with my old Modular Suspension?

Yes, the lyre webs are compatible with previous models of the Modular Suspensions. There are different lyres for short/medium suspensions & large suspensions. The different lyres are easily distinguished by their colour. Small/Medium lyres are black, large are grey.

To order them separately, please see table below for details:

LYRES FOR MODULAR SUSPENSIONS:

ORDER CODE	PART DESCRIPTION
042210	Pair of universal lyres (19/25mm) - small & medium
042215	Pair of D-shaped MKH lyres - small & medium (black)
042216	Pair of universal lyres (19/25mm) - large
042217	Pair of D-shaped MKH lyres - large
042218	Pair of 30mm lyres - small & medium

Notes: Modular suspension sizes are determined by the bar length: Small - 80mm; Medium - 160mm; Large - 240mm. The lyres come fitted with an adaptor for fitting onto the Modular bar groove & a retained screw.



MONO EXT BALLGAG

Designed to be used with remote capsule or compact microphones.

MONO EXT BALLGAG

The Mono Extended Ballgag is a suspension/windshield system designed to be used with remote capsule or compact microphones, for example the Schoeps CCM or Sennheiser MKH-8000 series (with MZL cable). The Windshield for the Mono Extended Ballgag has a body length of only 70mm, making it the smallest basket windshield we make.

The suspension is fitted with 2 x Universal (19-25 mm) lyres, on a bar which is only 52 mm long. It is supplied fitted with a cable clamp as standard, but is also available with a Connbox for either the Schoeps CCM or Sennheiser MKH-8000 series (MZL cable).

WINDSHIELD 10 KIT

The Windshield 10 kit has been designed specifically for the Sennheiser MKH-8000 series of microphone, used with the XLR adapter (MZX).

It uses a small modular suspension fitted with 2 x Universal (19-25 mm) lyres and a Connbox 1. The Windshield body length is 120 mm.

See windshield kit table for order details.

Mono Ext Ballgag
with optional Connbox fitted to Sennheiser MKH8050



MONO EXT BALLGAG KIT SIZES

Mono EXT BBG Kit	Order Code	Modular Suspension	Modular Windshield	Windjammer
BBG Kit	086017	1/2 Mod	Mono Ext BBG	Mono Ext BBG
BBG Kit (MS)*	086021	1/2 Mod	Mono Ext BBG	Mono Ext BBG

* Suitable for a pair of remote capsules in MS configuration

CONNBOX

Plug and go solution for microphones, **fitted as standard*** into the Modular Suspension, to isolate and eradicate cable-borne noise.

CONNBOX

The Connbox 1 is fitted as standard on all Small & Medium Modular Suspensions, and Modular Windshield Kits 1 to 6.

The standard Connbox uses Male & Female Neutrik, 3-pin XLR (gold pin) connectors and ultra soft/flexible Mogami cables.

The lengths of cable are prepared to allow the microphone to be fitted and ready to go in seconds, and so not requiring dressing or positioning within the windshield.



CONNBOX COMBINATIONS (OPTIONAL ACCESSORY)

Order Code	Connbox Model	Input	Output
016901	Connbox 1	3-pin XLR	3-pin XLR
016902	Connbox 2	3-pin XLR (long)	3-pin XLR (long)
016903	Connbox 3	2 x 3-pin XLR	5-pin XLR
016904	Connbox 4	5-pin XLR	5-pin XLR
016905	Connbox 5	Schoeps Lemo	3-pin XLR
016906	Connbox 6	2 x Schoeps Lemo	5-pin XLR
016907	Connbox 7	2 x Schoeps Lemo (long)	5-pin XLR
016908	Connbox 8	1 x Lemo & 1 x 3-pin XLR	5-pin XLR
016909	Connbox 9	1 x Sennheiser MZL	3-pin XLR

* Small & Medium Modular Suspensions, and Modular Windshield Kits 1 to 6 only

MODULAR WINDSHIELDS

The Modular Windshield completely surrounds the microphone and its connector, providing a volume of still air around the microphone.

Lightweight and durable, the Modular Windshield provides exceptional protection against wind noise.



OVERVIEW

Designed to provide significant improvement in exterior wind attenuation (up to 25dB).

Manufactured from flexible grey plastic netting tube with a screening material attached by special process, providing lightweight strength and durability.

Mono Windshields have an outside diameter of 100mm (4"), and stereo windshields are 145mm (5-3/4").

The microphone used determines the length of the Windshield.

PERFECT ALIGNMENT

A unique slide-on / slide-off system allows easy removal of the microphone and suspension. The asymmetrical filler strip which connects the Suspension to the Modular Windshield is jam-free and provides perfect alignment.



TWIST AND LOCK

In the Modular system there are male & female rings. This allows each end of the windshield to be opened, so permitting easy replacement of crushed end caps.

The design also allows extension sections.

Twist and turn locking end caps provide easy, rattle-free and secure fastening.

Note: End caps are always made with female rings.



WINDJAMMER

Designed to fit over the Windshield to provide the highest possible protection against extreme wind.

The Windjammer is made from specially designed screening materials with minimal adverse effect on sound level and quality.



MAXIMUM PROTECTION

The most effective cover for protection against extreme wind. Provides 10–12db extra protection over a standard Windshield.

Made from specially designed and manufactured screening materials with virtually no adverse effect on sound level or quality.

Fitted with a drawstring & toggle to allow snug and easy fitting.

AVAILABLE IN ALL SIZES

Available in sizes to fit all Mono & Stereo windshields, Softies & Baby Ballgags.

The WJ4 will even fit the standard Sennheiser MZW-60/1 Windscreen.

MODULAR WINDSHIELD KIT

The full windshield system retains all the renowned Rycote features of flexibility, balance and professional performance.

Within the kit you get:

Modular Suspension, Modular Windshield & Windjammer.



MODULAR WINDSHIELD KIT SIZES

Modular Windshield Kit	Order Code	Modular Suspension	Modular Windshield	Extension	Windjammer
Kit 1	086004	Small	WS 1 (170mm)	No	WJ 1
Kit 2	086003	Small	WS 2 (210mm)	No	WJ 2
Kit 3	086002	Small	WS 3 (260mm)	No	WJ 3
Kit 4	086001	Medium	WS 4 (330mm)	No	WJ 4
Kit 5	086005	Medium	WS 4 (330mm)	EXT 1 (70mm)	WJ 5
Kit 6	086006	Medium	WS 4 (330mm)	EXT 2 (120mm)	WJ 6
Kit 7	086007	Large	WS 4 (330mm)	EXT 3 (170mm)	WJ 7
Kit 8	086008	Large	WS 4 (330mm)	EXT 4 (260mm)	WJ 8
Kit 10*	086010	Small	WS 10 (120mm)	No	WJ 10

*Suitable for Sennheiser MKH-8000 series with MZX XLR adaptor fitted.

BABY BALLGAGS

Specially designed and constructed to offer the wind attenuation properties of a full sized windshield in a much smaller package.



BOOMPOLE & HAND HELD

Perfect for lightweight, low-profile boom applications as well as for use in hand-held operations and interviews.

Constructed of the same high quality material as all full size Rycote windshields and fitted with a grommet that grips the microphone body.

The microphone is pushed through the grommet to completely enclose the microphone capsule allowing the microphone to be hand held, supported by clamp or in conjunction with our Softie shockmount.

Available to fit 20mm, 22mm and 25mm microphone shanks.



STEREO SOLUTIONS

Stereo suspensions are available to fit a wide variety of stereo pairs, single-shank stereo microphones, and stereo capsule microphones.

OVERVIEW

Stereo Windshields use the same materials as the Modular Windshield, but have an outside diameter of 145mm (5-3/4").

The length of the shortest microphone, when used in pairs determines the Suspension size.

The length of the longest microphone used determines the length of the Windshield body.

The difference between Mono & Stereo is purely the diameter of the Windshield/Suspension. The Stereo Extended Ballgag system (half-module bar) can either be used as MS stereo (standard) or XY/MS (optional). In both cases, when CCM's are used, a Connbox with Lemo connectors can be supplied.





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Rycote brochures are printed
on recycled paper.

Rycote is a family owned and run company
and has been manufacturing microphone
shock mounts and windshields for over
forty years.

We are very proud to say that we design,
develop and manufacture all our products
at our factory in Stroud, U.K.

 **Rycote**