



## InVision

Microphone Suspensions  
for vibration isolation



AVAILABLE IN  
10 "INV" SIZES

**INV-1**  
Studio  
InVision Lyre

# InVision

## PRODUCT RANGE

The InVision 'lyre' suspension is the ideal answer to isolating vibrations to microphones where a discrete low profile is essential.

It can be used for a wide range of 'compact' microphone series, 'remote capsule' systems and some short to medium bodied small-diaphragm microphones.

The InVision range retains all the flexibility, balance and professional performance that you can expect from a Rycote microphone suspension.



 Rycote



**InVision**  
Lyre web

**Standard**  
Lyre web

### Which InVision do I need?

If your microphone is not listed at the back of this brochure, visit our website to find the InVision model for your microphone.

[www.rycote.com/products/invision](http://www.rycote.com/products/invision)

AVAILABLE IN  
10 "INV" SIZES

**INV-3**  
Studio  
InVision Lyre

## Versatile studio and boompole applications

### STUDIO & CONFERENCE\*

**INV-1, INV-2 & INV-3** are designed specifically for static use on desk & floor stands, when a discrete profile is essential.

The lyre suspension webs of these InVision have a small profile designed to isolate in fixed situations for 'compact' microphone series and 'remote capsule' systems.

#### INV-1,2 & 3 SPECIFICATION

The InVision lyre webs are just 43mm wide by 40mm high, fit on a standard bar and can be angled by the self adjusting screw. Available with either 9.5mm clip (INV-1), 1 x 9.5mm and 1 x 20mm clip (INV-2) or 20mm clip (INV-3).

The INV-1 also includes a reducing sleeve that fixes onto remote capsule microphones such as the Schoeps CCM and DPA 4000 series.

The clips on the INV-1 and INV-2 hold the microphone by the connector so that a foam gag can be used if required.

SEE TABLE AT BACK FOR SIZING

\*Not suitable for boompole use



**INV-2**  
Studio  
InVision Lyre

### BOOMPOLE & STATIC

**INV-4, INV-5 & INV-6** are all designed for either boompole or static use. Like the InVision 1, 2 and 3 they have the standard bar and can be used with smaller remote capsule microphones.

**INV-7 & INV-8** have both been designed for either boompole or static use. They have a long bar that allows the lyre webs to be mounted 70mm (as supplied) 45mm or 25mm apart.

#### INV-4,5 & 6 SPECIFICATION

The standard lyre webs are 70mm wide to provide improved isolation when used on a boom, fit on a standard bar and can be adjusted and tightened by the star knob. Available with either 9.5mm clip including a reducing sleeve (INV-4), 1 x 9.5mm and 1 x 19/22mm clip (INV-5) or 19mm-25mm universal clip (INV-6).

SEE TABLE  
AT BACK  
FOR SIZING

**INV-5**  
Boompole & Static  
Standard Lyre



#### INV-7, & 8 SPECIFICATION

The standard lyre webs are 70mm wide to provide improved isolation when used on a boom, fit on a long bar and can be adjusted and tightened by the star knob. Available with either 19mm-25mm universal clips (INV-7) or 30mm clips (INV-8) and are suitable for short to medium length small diaphragm microphones.

SEE TABLE AT BACK FOR SIZING

**INV-7**  
Boompole & Static  
Standard Lyre



## Versatile studio and boompole applications

### BOOMPOLE & STATIC

**INV-9** has been designed for either boompole or static use. It has the long bar and can be used with Shure SM57 or SM58 and the Neuman KMS 105 microphones.

#### INV-9 SPECIFICATION

The standard lyre webs are 70mm wide to provide improved isolation when used on a boom, fit on a long bar and can be adjusted and tightened by the star knob. Available with 30mm clip front and 19mm-25mm universal on the back.

SEE TABLE AT BACK FOR SIZING

#### Which InVision do I need?

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**INV-9**  
Boompole & Static  
Standard Lyre

### BOOMPOLE & STATIC

**INV-10** has been designed for either boompole or static use. It has the long bar and is specifically designed to work with the Sennheiser MKH range of microphones.

#### INV-10 SPECIFICATION

The standard lyre webs are 70mm wide to provide improved isolation when used on a boom, fit on a long bar and can be adjusted and tightened by the star knob. Available with MKH clip front and MKH on the back. The INV-10 has been designed specifically for the Sennheiser MKH range of microphones (MKH 20,40,50 & 60).

SEE TABLE AT BACK FOR SIZING



**INV-10**  
Boompole & Static  
Standard Lyre

 Rycote

## Technical notes on vibration isolation

### MICROPHONE ISOLATION TECH NOTES

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.

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 damping has been selected almost independently by choosing a suitable plastic. The Hytrel that Rycote uses not only damps smoothly but maintains its characteristics even down to arctic temperatures.

Where springs and elastic bands become thin and fragile, and 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.

**INV-9**  
Boompole & Static  
Standard Lyre



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



## Order information



**INV-1\***  
STUDIO

**Fitted with:**

- 2 x 9.5mm clips with InVision (43mm wide) lyres, and a reducing sleeve
- Standard bar with 25mm (1") centres
- Sleeve clips onto the microphone connector and the cable, leaving the microphone casing free to be fitted with a foam windscreen if required

**Suitable for following microphones**

**AKG** C747; **Ambient** TinyMic, **Audio Technica** AT853a, PRO45, AT831b, AT803b, PRO35, PRO70, ATM350, ES933, **DPA** 4053, 4052, 4036, 4033, 4028, 4023, **MBHO** KA Series w/MBP 648A, **Milab** VM-44 **Schoeps** CCM (Lemo) **Sennheiser** ME36



**INV-2\***  
STUDIO

**Fitted with:**

- 1 x 20mm clip at the front and 1 x 9.5mm clip at the rear, with InVision (43mm wide) lyres
- Standard bar with 25mm (1") centres

**Suitable for following microphones**

**Neumann** KM 100 & KM-D series (remote) **RODE** NT6 **Schoeps** MK w/KC active cable, CMC w/KC active cable, CCM Ug **Sennheiser** MKH 8000 series with MZL



**INV-3\***  
STUDIO

**Fitted with:**

- 2 x 20mm clips with InVision (43mm wide) lyres
- Standard bar with 25mm (1") centres

**Suitable for following microphones**

**AKG** C 430 **Bauer** C2 **Behringer** C2 **DPA** 4027, 4022, 4021 **MBHO** MBNM 410 **Sennheiser** MKH8000 Series w/MZX8000

### Which InVision do I need?

If a fixed discrete profile is essential, use the **STUDIO** INV-1, INV-2 & INV-3  
If boompole use is required, choose the **BOOMPOLE & STATIC** INV-4 to INV-10

**INV-1**

<b>Lyre Web</b>	InVision
<b>Front clip</b>	9.5 mm
<b>Back clip</b>	9.5 mm
<b>Sleeve</b>	Yes
<b>Bar size</b>	Standard

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**INV-2**

<b>Lyre Web</b>	InVision
<b>Front clip</b>	20 mm
<b>Back clip</b>	9.5 mm
<b>Sleeve</b>	No
<b>Bar size</b>	Standard

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**INV-3**

<b>Lyre Web</b>	InVision
<b>Front clip</b>	20 mm
<b>Back clip</b>	20 mm
<b>Sleeve</b>	No
<b>Bar size</b>	Standard

**ORDER CODE: 041103**

\*Not suitable for boompole use



**INV-4**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 2 x 9.5mm clips with Standard (70mm wide) lyres, and a reducing sleeve
- Standard bar with 25mm (1") centres
- Sleeve clips onto the microphone connector and the cable, leaving the microphone casing free to be fitted with a foam windscreen if required

Suitable for following microphones

**AKG** C 747; **Ambient** TinyMic, **Audio Technica** AT853a, PRO45, AT831b, AT803b, PRO35, PRO70, ATM350, ES933, **DPA** 4053, 4052, 4036, 4033, 4028, 4023, **MBHO** KA Series w/MBP 648A, **Milab** VM-44 **Schoeps** CCM (Lemo) **Sennheiser** ME36



**INV-5**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 1 x 20mm clip at the front and 1 x 9.5mm clip at the rear, with Standard (70mm wide) lyres
- Standard bar with 25mm (1") centres

Suitable for following microphones

**Beyer** CK930 **Neumann** KM 100 & KM-D series (remote) **RODE** NT6 **Schoeps** MK w/KC active cable, CMC w/KC active cable, CCM Ug **Sennheiser** MKH 8000 series with MZL



**INV-6**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 2 x 19-25mm universal clips, with Standard (70mm wide) lyres
- Standard bar with 25mm (1") centres
- Maximum microphone length 120mm

Suitable for following microphones

**AKG** C 430, **Bauer** C2, **Behringer** C2, **DPA** 4027, 4022, 4021, **MBHO** MBNM 410, **Sennheiser** MKH8000 Series w/MZX8000, **Audio Technica** AT3528, AT3527, AT4053a, ES973, ATM33a, ATM10a, AT804, PRO37, PRO24-CM,PRO24, ATM450 **M-Audio** Pulsar II, **Neumann** KM 100 series, **Sennheiser** e906



**INV-7**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 2 x 19-25mm universal clips, with Standard (70mm wide) lyres
- Long bar with 70mm (2.75") centres

Suitable for following microphones

**AKG** ULS W/C451, C 568 EB, D130, CK63 460, CK61 C460 B, CK1 460, CK1 451, CK93 SE300 B, CK92 SE300 B, CK01 SE300 B, ULS W/C480, ULS W/C460, **Audio Technica** AT 835ST, AT 825, AT 822, AT4051a, AT4049a, AT3032, AT3031, AT4041, AT3031, AT897, AT4073a, AT875R, **AVE Stuttgart** ACM 20, **Azden** SMX-10, SGM-X, SGM-2X, **Beyer** MC 836, MCE 87vs, MC728, MC718, M69, MC713, MC723, M201, M88, M160, MC 836, MCE 86, **ClockAudio** C 850 E, **DPA** 4017, 4011, **Eath-works** SR 20, SR 25, SR 30/4c, SR 30, **Edirol** CS-50, **Neumann** KM 100 F, KM-D Series, KM 185, KM 184, KM 183, KM 180 Series, KMR-811, **Nevation** MC 401, MC 49, **Oktava** MC 012, **Paso** MC 250, **Pearl** MS 2, **Rode** NT5, NTG-1, NTG-2, NTG-3, **Samson** CL 2, CO 2, **Sancken** CMS 9, CMS 7, CMS 2, CUW-180, CS-1, CS-3, **Schoeps** CMT - 5U, CMC series, CMC Series with Cut 1, **Sennheiser** ME80 K3U, ME66 K6, MKE 44P, ME65 K6, ME64 K6, ME62 K6, MKH 406, MKH 416, **Shure** SM 81, SM 94, VP 64AL, VP 64A, KSM 141, KSM 137, KSM 109, **Sony** ECM 670, ECM 678, ECM 674, ECM 673, ECM 680S



**INV-8**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 2 x 30mm clips, with Standard (70mm wide) lyres
- Long bar with 70mm (2.75") centres

Suitable for following microphones

**Neumann** RSM 191, RSM 190 **Pearl** MSH10 **Sony** ECM 999, ECM 979, ECM 959



**INV-9**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 1 x 30mm clip front & 1 x 19/25mm lyre back, on Standard (70mm) lyres
- Large bar- 70mm (2.75") centres.

Suitable for following microphones

**Neumann** KMS 105 **Shure** SM 57, SM 58



**INV-10**  
**BOOMPOLE & STATIC**

**Fitted with:**

- 2 x MKH Square Lyres, on Standard (70mm) lyres.
- Large bar- 70mm (2.75") centres.

Suitable for following microphones

**Sennheiser** MKH20, MKH40, MKH50, MKH60



**InVision**  
**ADAPTOR**

**Description:** Every InVision fits a 3/8" 16 microphone stand, and comes supplied with a 5/8" 27 thread adaptor.

**Spec below**

Adaptor specifications

**Description:** 5/8" Female to 3/8" Male Adaptor

**Male thread:** 3/8" 16 (BSW) x Length 8.0 mm (0.315")

**Female thread:** 5/8" 27 (UN) x Depth 15.0 mm (0.590")

**Weight:** 15.2 gram (0.54 oz)

**Material:** Brass

**Which InVision do I need?**

If a fixed discrete profile is essential, use the **STUDIO** INV-1, INV-2 & INV-3

If boompole use is required, choose the **BOOMPOLE & STATIC** INV-4 to INV-10

INV-4	INV-5	INV-6	INV-7
<b>Lyre Web</b> Standard	<b>Lyre Web</b> Standard	<b>Lyre Web</b> Standard	<b>Lyre Web</b> Standard
<b>Front clip</b> 9.5 mm	<b>Front clip</b> 19-22 mm	<b>Front clip</b> 19-25 mm	<b>Front clip</b> 19-25 mm
<b>Back clip</b> 9.5 mm	<b>Back clip</b> 9.5 mm	<b>Back clip</b> 19-25 mm	<b>Back clip</b> 19-25 mm
<b>Sleeve</b> Yes	<b>Sleeve</b> No	<b>Sleeve</b> No	<b>Sleeve</b> No
<b>Bar size</b> Standard	<b>Bar size</b> Standard	<b>Bar size</b> Standard	<b>Bar size</b> Long

**ORDER CODE: 041104**   **ORDER CODE: 041105**   **ORDER CODE: 041106**   **ORDER CODE: 041107**

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INV-8	INV-9	INV-10
<b>Lyre Web</b> Standard	<b>Lyre Web</b> Standard	<b>Lyre Web</b> Standard
<b>Front clip</b> 30 mm	<b>Front clip</b> 30 mm	<b>Front clip</b> MKH
<b>Back clip</b> 30 mm	<b>Back clip</b> 19-25 mm	<b>Back clip</b> MKH
<b>Sleeve</b> No	<b>Sleeve</b> No	<b>Sleeve</b> No
<b>Bar size</b> Long	<b>Bar size</b> Long	<b>Bar size</b> Long

**ORDER CODE: 041108**   **ORDER CODE: 041109**   **ORDER CODE: 041110**

[www.rycote.com](http://www.rycote.com)

**ADAPTORS INCLUDED** with all InVision products.

**INCLUDED**



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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.



**INV-7**  
Boompole & Static  
Standard Lyre