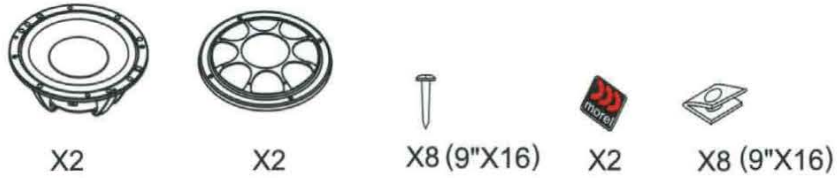


Woofers Installation Guide

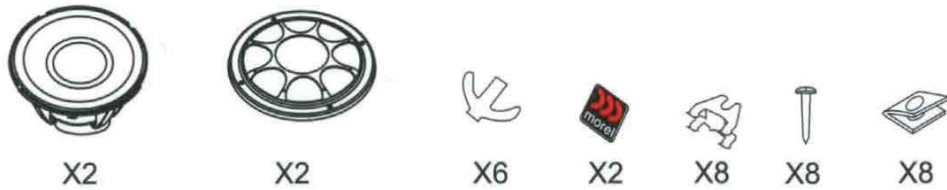
ELATE TITANIUM MW 5/6/9 HYBRID MW 4/5/6 VIRTUS MW 4/5/6

WOOFER PACKAGE CONTENT

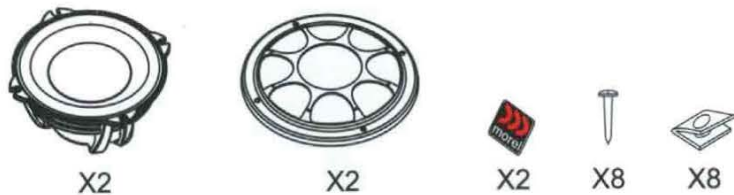
ELATE TITANIUM MW 5",6",9" WOOFER



HYBRID MW 4"/ VIRTUS MW 4" WOOFER



HYBRID MW 5",6" WOOFER

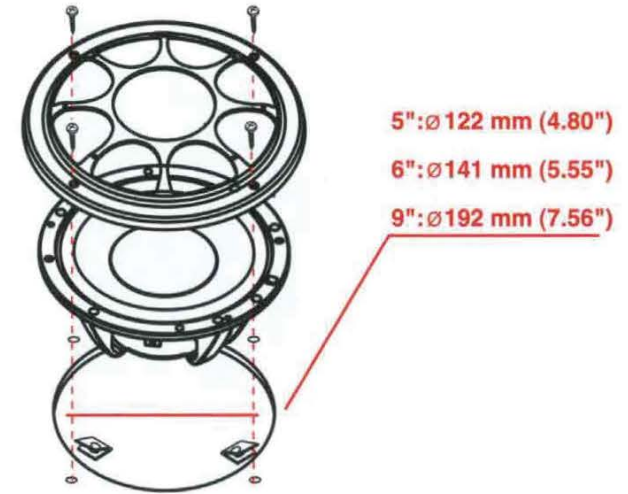


VIRTUS MW 5",6" WOOFER



WOOFER MOUNTING OPTIONS

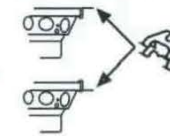
ELATE TITANIUM MW 5",6",9"



HYBRID MW 4" / VIRTUS MW 4"

1

Use the screw clips in any combination, with or without the plastic frame. These clips can be used either way up down depending on installation requirements.



2

Use the non-screw clips to install in locations which do not require screws. Insert the clips in the small holes on the side of the loudspeaker according to your requirements.



1

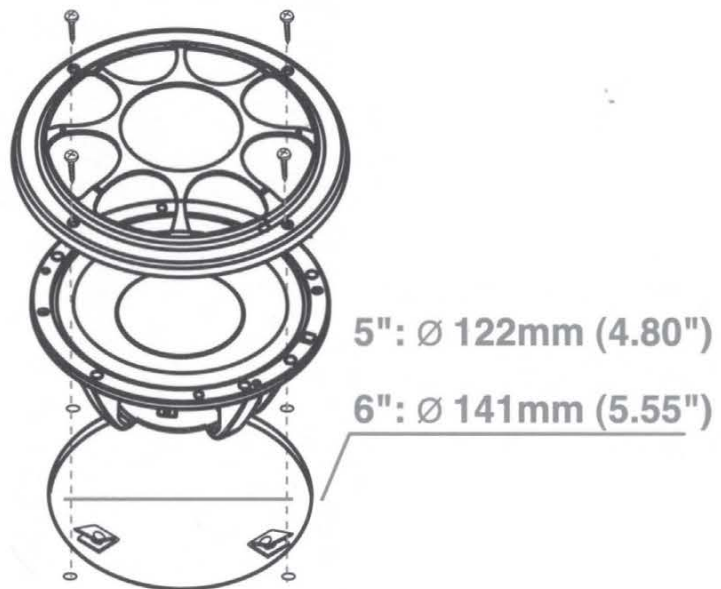


2

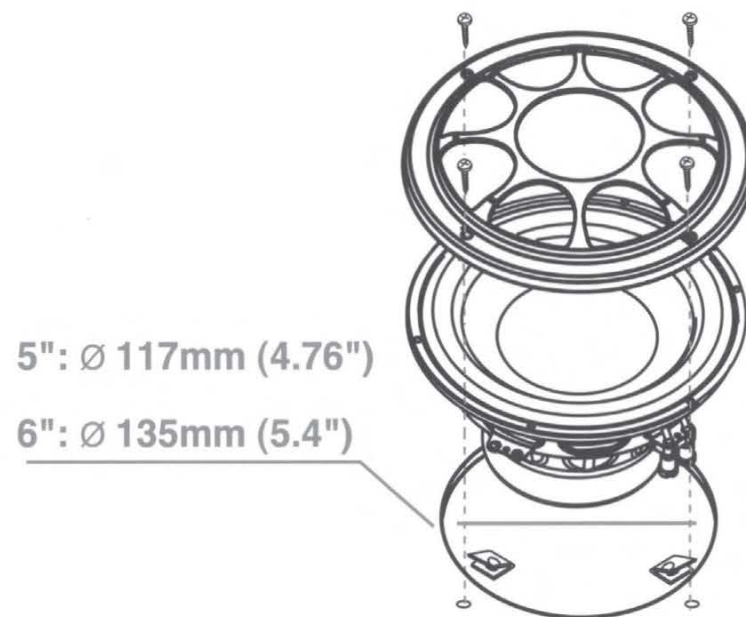


WOOFER MOUNTING OPTIONS

ELATE TITANIUM MW 5",6"/ HYBRID MW 5",6"



VIRTUS MW 5",6"



SPECIFICATION

WOOFERS	ELATE TI MW5	ELATE TI MW6	ELATE TI MW9	HYBRID MW4	HYBRID MW5	HYBRID MW6	VIRTUS MW4	VIRTUS MW5	VIRTUS MW6
Nominal Impedance (Ohms)	4	4	4	4	4	4	4	4	4
Power Handling Wrms	160	180	200	100	120	140	100	120	140
Max. Trans.Pwr Handling Wrms	1000	1000	1000	300	500	600	300	300	300
Sensitivity (2.83V/1M)	87dB	88dB	89dB	89 dB	90dB	91 dB	87 dB	88 dB	88 dB
Frequency Response Hz	40-5000	30-4000	25-3000	50-4200	45-3000	35-3000	70-4500	65-4000	55-4000
Resonant Freq. Fs Hz	58	54	45	82	56	45	80	75	65
Voice Coil Diameter mm	75 (3)	75 (3)	75 (3)	54 (2.1)	54 (2.1)	54 (2.1)	54 (2.1)	54 (2.1)	54 (2.1)
Voice Coil Height mm (inch)	14.50 (0.57)	14.50 (0.57)	14.50 (0.57)	10.50 (0.411)	10.50 (0.411)	11 (0.47")	8 (0.51)	12 (0.48)	12 (0.48)
Voice Coil Type/ Former	Titanium	Titanium	Titanium	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Voice Coil Wire	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum
DC Resistance (Ohms)	3.6	3.6	3.6	3.2	3	3	3	3.5	3.5
Voice Coil Induct. @1 kHz (MH)	0.615	0.615	0.615	0.21	0.21	0.22	0.23	0.32	0.33
Magnet System	Double magnet rear vented	Double magnet rear vented	Double magnet rear vented	Hybrid rear vented	Hybrid rear vented	Hybrid rear vented	Double ferrite rear vented	Double ferrite rear vented	Double ferrite rear vented
HE-Magnetic Gap Height mm (inch)	5 (0.20)	5 (0.20)	5 (0.20)	4 (0.16)	4 (0.16)	4 (0.16)	4 (0.161)	4 (0.16)	4 (0.16)
B-Flux Density (T.M.)	0.66	0.75	0.74	0.83	0.83	0.83	0.48	0.65	0.65
BL Product/BXL	5.15	5.15	5.15	4.16	4.2	4.2	3.33	3.53	3.41
Max. Linear Ex./Xmax mm (inch)	±4.7 (±0.18)	±4.7 (±0.18)	±4.7 (±0.18)	7 ±3.5 (0.28 ± 0.14)	7 ±3.5 (0.28 ± 0.14)	7±3.5 (0.28±0.14)	4±2 (0.16 ±0.08)	8±4 (0.32±0.16)	8±4 (0.32±0.16)
Suspension Compliance CMS - mm/N	0.33	0.33	0.33	0.57	0.78	1.1	0.73	0.49	0.57
Electrical Q Factor QES	0.81	0.96	1.1	0.63	0.59	0.56	0.76	1.22	1.3
QTS	0.9	0.70	0.80	0.46	0.45	0.44	0.55	0.85	0.9
QMS	4.3	4.5	4.6	1.74	1.8	2.08	2	2.82	2.88
Mech.Resistance RMS - Ohm/meter	3.68	3.63	3.63	1.98	1.96	1.5	1.42	1.54	1.49
Moving Mass MMS - gr/ ounce	14.0	17.0	26.6	6.8	9.9	11	5.96	9.31	10.67
Equiv. Can Air Load VAS - L (cu.ft)	3.50(0.28)	7.00(0.24)	26.00(0.91)	3.17 (0.11)	8.87 (0.31)	21(0.74)	4.17 (0.15)	5.55 (0.195)	11.38 (0.45)
Effective Piston Area SD sq.cm (sq. inch)	90(13.95)	119 (18.45)	219 (33.95)	64 (9.92)	90 (13.95)	119 (18.45)	64 (9.92)	90 (13.95)	119 (18.45)
Cone Type	One-piece formed	One-piece formed	One-piece formed	One-piece formed	One-piece formed	One-piece formed	Formed Paper	Formed Paper	Formed Paper
Cone Material	DPC	DPC	DPC	DPC	DPC	DPC	Composite cellular fiber	Composite cellular fiber	Composite cellular fiber
Unit Diameter mm (inch)	135 (5.25)	165 (6.50)	222 (8.75)	104 (4)	135 (5.25)	165 (6.50)	104 (4.0)	135 (5.25)	165 (6.50)
Mounting Depth mm (inch)	60 (2.36)	61 (2.40)	71 (2.80)	50 (21)	60 (2.36)	61 (2.40)	50 (2.1)	56.5 (2.22)	61 (2.36)
Mounting Cutout mm (inch)	120 (4.72)	141 (5.55)	192 (7.56)	95 (3.74)	120 (4.72)	141 (5.55)	95 (3.74)	120 (4.72)	141 (5.55)
Net Weight Kg (lb)	1.05 (2.31)	1.18 (2.60)	1.42 (3.13)	0.53 (1.1716)	0.60 (1.32)	0.60 (1.32)	0.54 (1.92)	0.67 (1.21)	0.739 (1.61)

* Morel operates a policy of continuous products design improvement, consequently specifications are subject to alteration without prior notice.



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Verifying your Genuine Morel Product

In light of counterfeit products that have appeared in some markets, Morel enables you to verify the authenticity of your purchase.

1. Remove the verification slip from the nylon bag that contains your Installation Guide.
2. Place it over the verification sticker found on the bottom of each Genuine Morel product.
3. The word "Genuine" should become visible.
4. If not, we recommend that you return the product to your point of purchase.

