



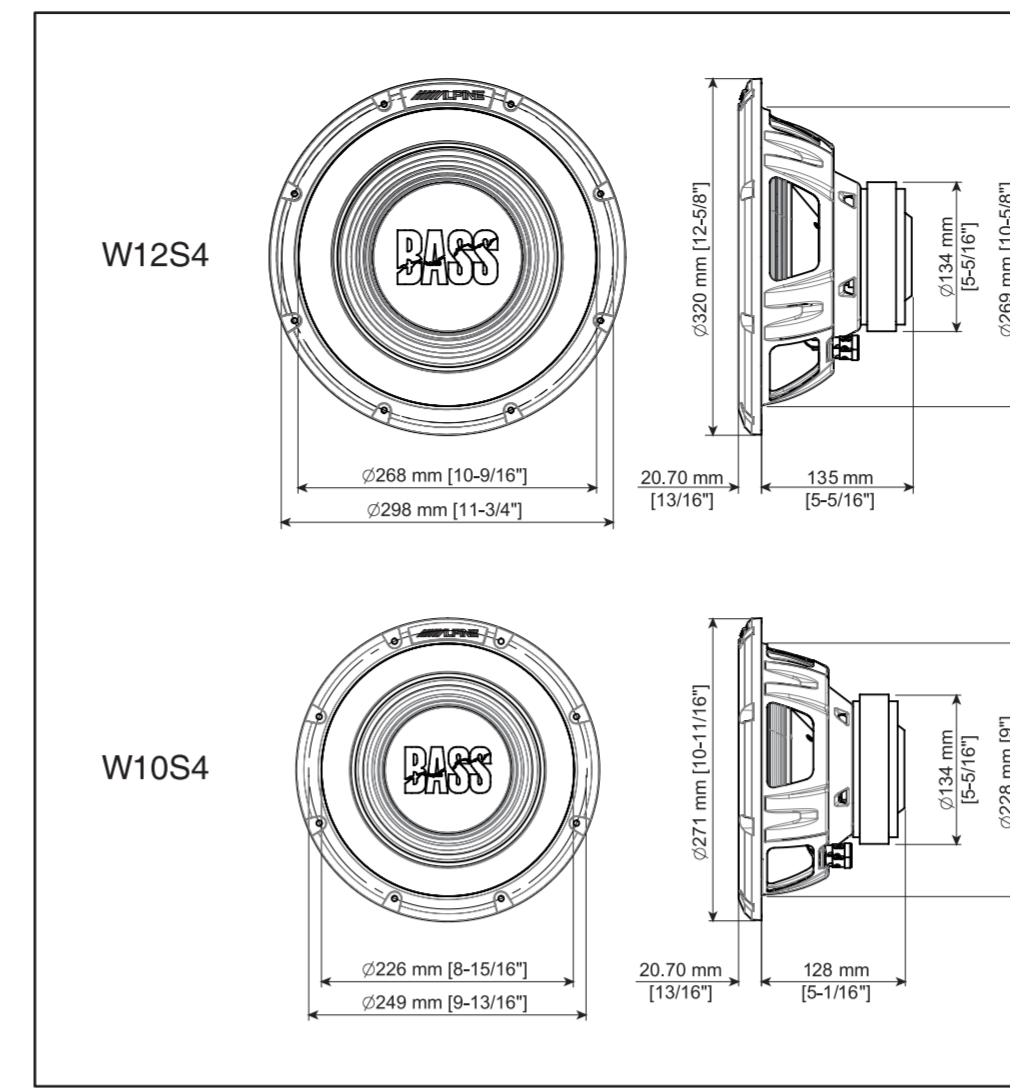
**“BASS” SUBWOOFER
HAUT-PARLEUR D'EXTRÊMES GRAVES “BASS”
APPLICATION GUIDE
GUIDE D' APPLICATION**

W12S4

12 Inch Single Voice Coil Subwoofer (4Ω)
Haut-parleur d'extrêmes graves à single bobine 12 po (4Ω)

W10S4

10 Inch Single Voice Coil Subwoofer (4Ω)
Haut-parleur d'extrêmes graves à single bobine 10 po (4Ω)



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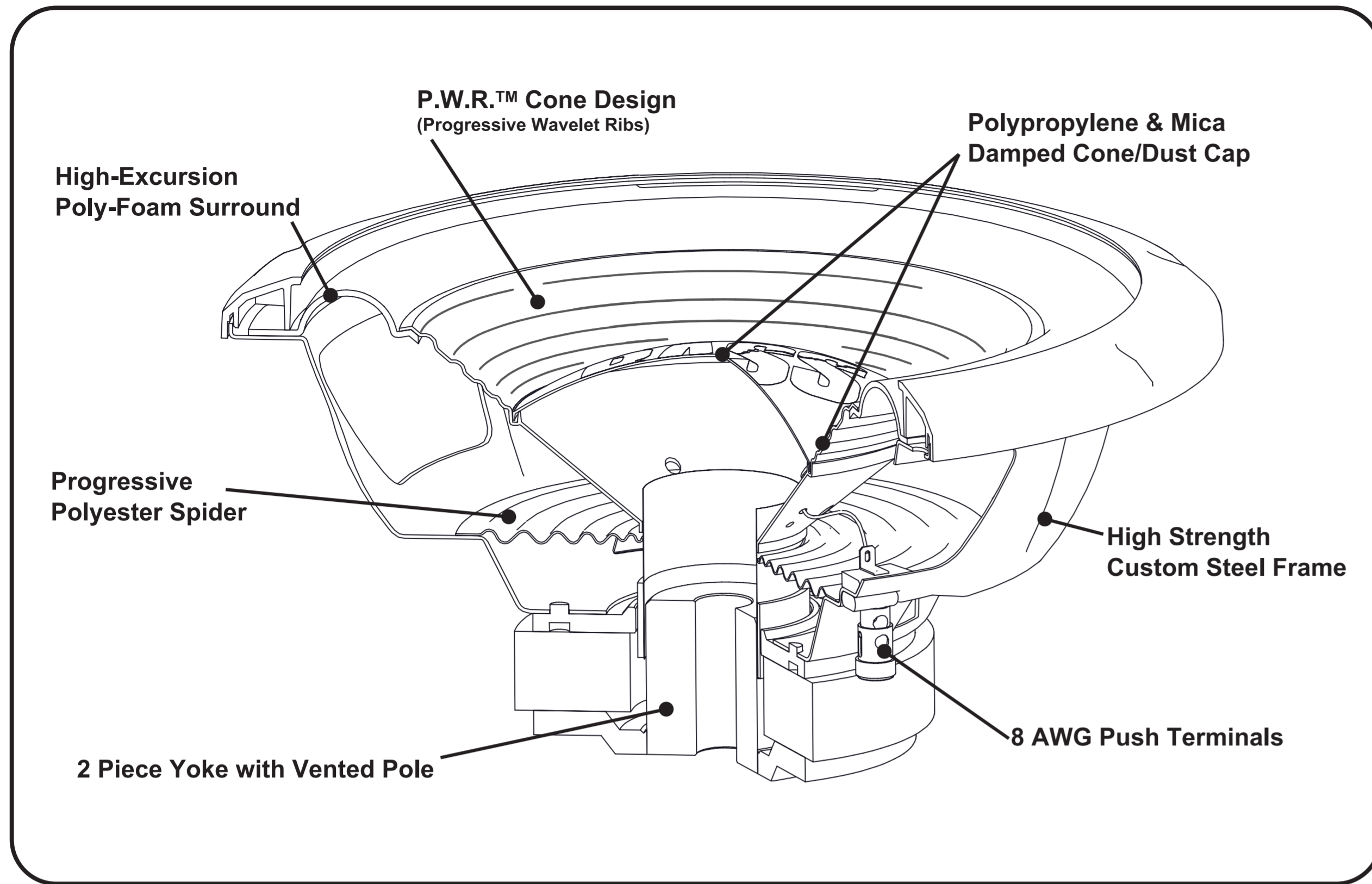
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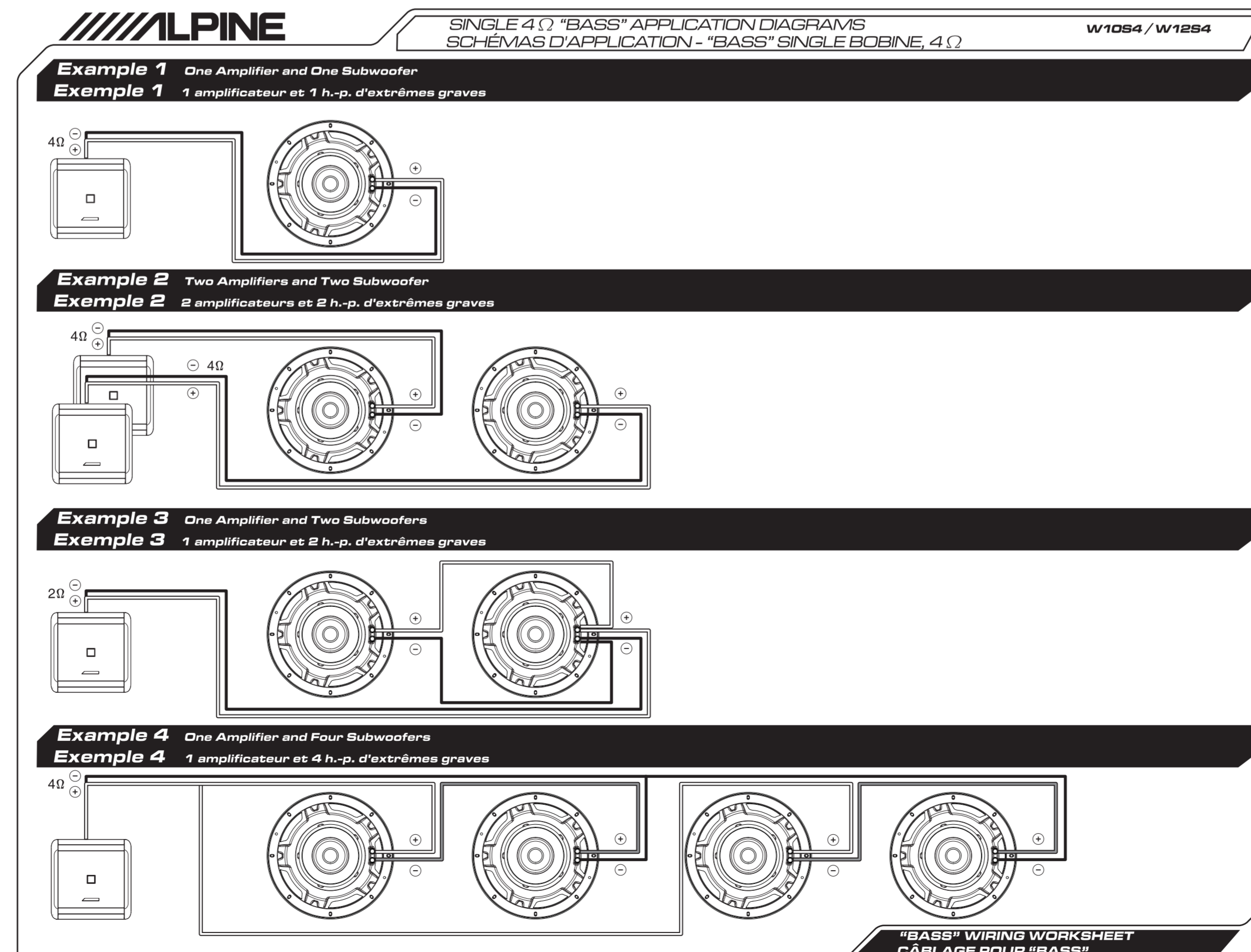
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General Specifications		
Size	Taille	
Frequency Response	Response en Fréquence	
Power Range	Plage de Puissance	
Power Handling	Puissance Admissible	
Magnet Weight	Poids de l'aimant	
Voice Coil Diameter	Diamètre de la bobine	
Thiele-Small Parameters		
Sensitivity (1W/1M)	Sensibilité (1W/1m)	SPL
DC Resistance	Résistance CC	Re
Inductance	Inductance	Le
Free Air Resonance	Résistance à l'air libre	Fs
Equivalent Stiffness	Raidier équivalente	Vas
Mechanical Q	Q Mécanique	Qms
Electrical Q	Q Électrique	Qes
Total Q	Q Total	Qts
Cone Area	Surface du diaphragme	Sd
Linear Excursion	Déplacement Linéaire	Xmax (1-way)
Mechanical Travel	Déplacement Mécanique	Xmech (P-F)

Note: Specifications subject to change without notice

	W10S4	W12S4
Impedance	4Ω	4Ω
Size	10"	12"
Frequency Response	24Hz-200Hz	22Hz-200Hz
Power Range	50W-250W RMS (efficace)	
Power Handling	250W RMS (efficace) / 750W PEAK (de crête)	
Magnet Weight	52 oz	52 oz
Voice Coil Diameter	50.8 mm (2")	
Sensitivity (1W/1M)	86.6 dB	87.9 dB
DC Resistance	3.6 Ohm	3.7 Ohm
Inductance	2.07 mH	2.38 mH
Free Air Resonance	32 Hz	30 Hz
Equivalent Stiffness	34.7L (1.23 ft³)	64.3L (2.27 ft³)
Mechanical Q	6.71	7.66
Electrical Q	0.47	0.53
Total Q	0.44	0.49
Cone Area	330 cm²	452 cm²
Linear Excursion	10 mm	
Mechanical Travel	52 mm	



		W10S4	W12S4
Sealed Box Range	Gross Internal Volume	0.65-1.0 ft³	0.75-1.5 ft³
	External Box Dimensions	13" x 13" x 12"	14.5" x 14.5" x 12.5"
	Gross Internal Volume	0.83 ft³	1.09 ft³
Recommended Sealed Box	Net Internal Volume	0.75 ft³	1.0 ft³
	Fs, Qtc	54 Hz, 0.7	46 Hz, 0.9
	Tuning	35-40Hz	35-40Hz
Vented Box Range	Gross Internal Volume	1.0-1.75 ft³	1.5-2.5 ft³
	External Box Dimensions	12" x 14" x 21"	14" x 16" x 19.5"
	Gross Internal Volume	1.51 ft³	1.91 ft³
Recommended Vented Box	Vent Area (dimensions)	10.5 in² (10.5" x 1")	12.5 in² (12.5" x 1")
	Vent Length	10"	10"
	Vent Displacement	0.18 ft³	0.07 ft³
	Net Internal Volume (Vb)	1.25 ft³	1.75 ft³
	Fs, ripple, Fb	34Hz, 4dB, 40Hz	32Hz, 4dB, 37Hz

Notes:
1) Recommended enclosure net internal volume is based upon 3/4" (19mm) MDF enclosure construction.
2) Consult the table below for alternative enclosure net internal volume calculation.

	W10S4	W12S4
Front Mount Displacement* (magnet in)	0.08 ft³	0.09 ft³
Reverse Mount Added Volume* (magnet out)	0.03 ft³	0.05 ft³

*Based upon 3/4" (19mm) baffle thickness, with opening cut approximately to gasket inner diameter

		W10S4	W12S4
Gamme Box Sealed	Volume intérieur brut	0.65-1.0 pi³	0.75-1.5 pi³
	Dimensions de la boîte extérieures	13 po x 13 po x 12 po	14.5 po x 14.5 po x 12.5 po
	Volume intérieur brut	0.83 pi³	1.09 pi³
Recommanded Boîte Scellé	Volume intérieur net	0.75 pi³	1.0 pi³
	Fs, Qtc	54 Hz, 0.7	46 Hz, 0.9
	Tuning	35-40Hz	35-40Hz
Gamme charge bass-reflex	Volume intérieur brut	1.0-1.75 pi³	1.5-2.5 pi³
	Mise au point	35-40Hz	35-40Hz
	Dimensions extérieures	12 po x 14 po x 21 po	14 po x 16 po x 19.5 po
Recommanded charge bass-reflex	Volume intérieur brut	1.51 pi³	1.91 pi³
	Aire de l'évent (dimensions)	10.5 po² (10.5 po x 1 po)	12.5 po² (12.5 po x 1 po)
	Longueur de l'évent	10.5 po	10 po
	Déplacement de l'évent	0.18 pi³	0.07 pi³
	Volume intérieur net (Vb)	1.25 pi³	1.75 pi³
	Fs, crête, Fb	34Hz, 4dB, 40Hz	32Hz, 4dB, 37Hz

Notes:
1) Recommandé enceinte volume net interne est basée sur 3/4" (19mm) de construction boîtier en MDF.
2) Consulter le tableau ci-dessous pour le calcul de filet d'enclos alternative volume interne.

	W10S4	W12S4
Avant le déplacement du Mont* (aimant)	0,08 ft³	0,09 ft³
Inverser Volume mont Ajouté* (des aimants)	0,03 ft³	0,05 ft³

* Sur la base de l'épaisseur du déflecteur 3/4" (19mm), avec une ouverture coupée à peu près à joint diamètre intérieur