

### GSB (Ground Stack Board)

A choice of different boards is available for different stack configurations. These are all made from 18mm Finnish Birch Ply and finished with Funktion One violet paint.

### GSM-Clamp

Clamps slide onto the underside of the board and are used to secure the board to the rear of the bass (these spring against the clasps used on the front). For permanent installations, they can be bolted to the dedicated T-Nuts on the rear of the bass, although this is not necessary for touring use. Most ground stack boards have alternative routed rear positions to appropriately locate the clamps to the depth of different models of Funktion One bass.

### GSM-Clasp

'S-Profile' clasps slide onto underside of Ground Stack Board and hook round top front edge of bass enclosure. Two of the same clasps are used the other way up to hold the lower front edge of each R4/5 in place (these can be slid into position once the board has been attached to the bass)

### GSS-Bass

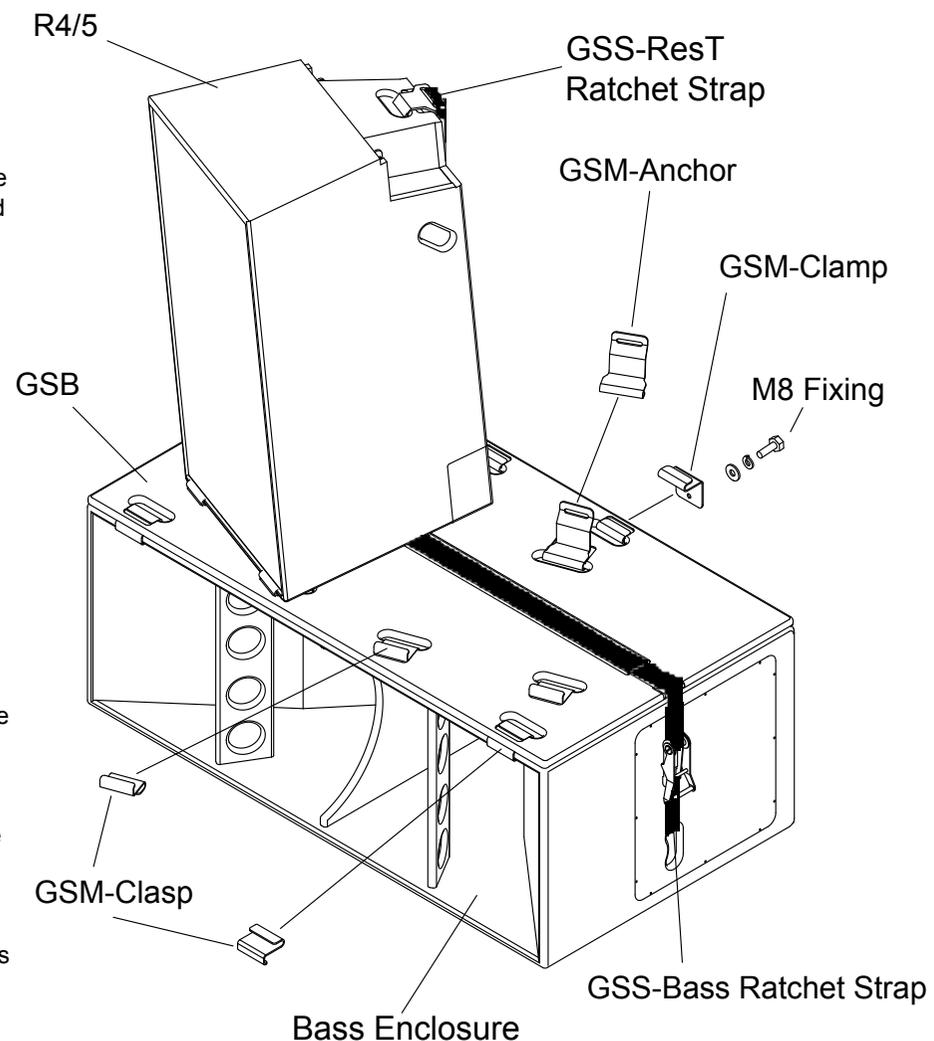
Once the board is located and secure with the Clasps and Clamps fitted to the underside, the GSS-Bass Strap is added. The ratchet strap is terminated with metal ovals which locate in the lowest bass handles on either side of the stack. Once tight, the strap secures the bass enclosures and board together.

### GSM-Anchor

The anchor is used with Touring enclosures only and provides a location for the built in "biscomatic" tongue to set the downward tilt angle. Two rows of Touring enclosures can be used with the board system, using the integral linking system. A **GSS-ResT** strap is required for each anchor position (see next sheet).

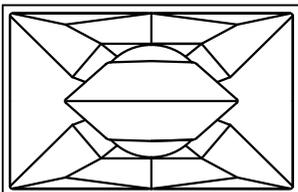
### GSM-Anchor E (not pictured)

Originally designed for use with the Resolution E enclosures, which do not have the built in "biscomatic", the E-Anchor facilitates external downward tilt angle adjustment. The rear of the enclosure rests on a captive block which can easily be moved to different heights for different downward angles. Please note, only one row of E enclosures can be deployed in this way. A **GSS-ResE** strap is required for each anchor position (see next sheet). The E-Anchor also presents an alternative choice for touring enclosure users and facilitates more declination than with the GSM-Anchor described above (in this case, GSS-ResT straps would be used).



All dimensions in mm and inches

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Accessories for: Ground Stack System

Ground Stack assembly 1

Boards available for many combinations of R2s R3s, R3EHs, R4s or R5s with different bass enclosures

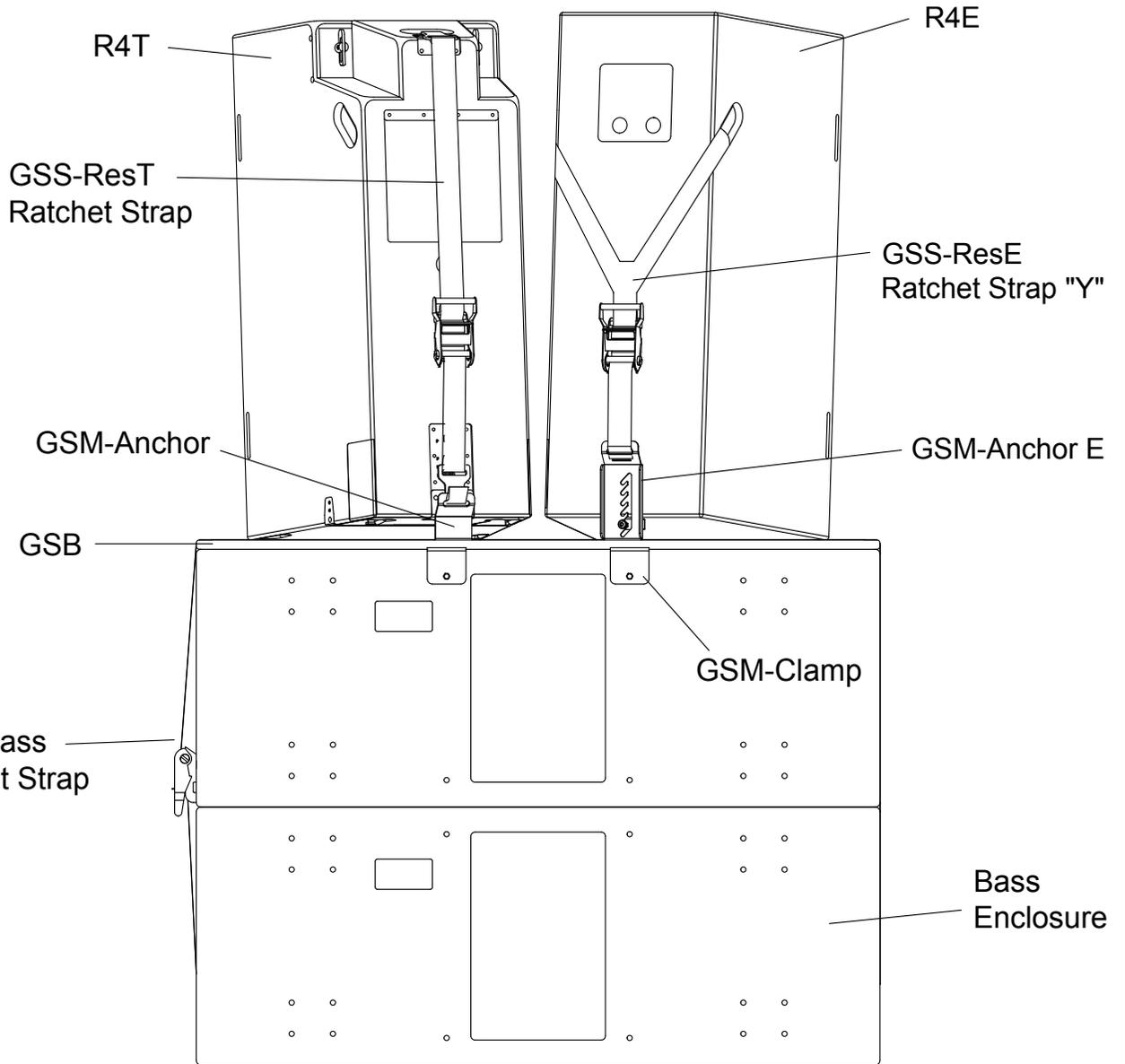
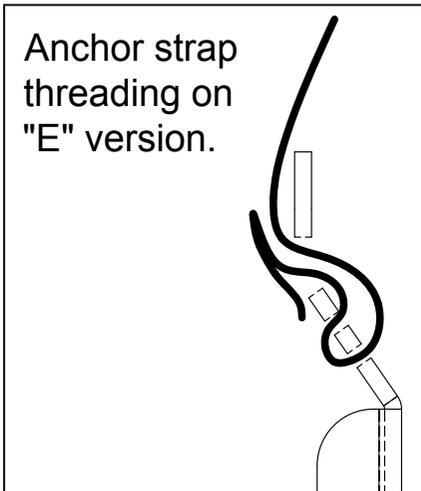
**R4/5 E:**

The lower end of the ResE Y-strap (**GSS-ResE**) is threaded to the E-Anchor and once threaded can be left attached (see diagram below). The upper ends are secured by metal ovals that locate in the side handles. The indexed block in the E-Anchor sets the declination of the enclosure. The strap is tightened just sufficiently to secure the R4/5 E. Note, only one row of E enclosures can be used in this way.

**R4/5 T:**

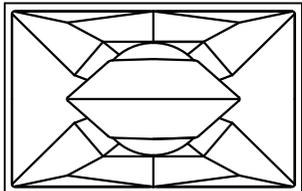
The ResT strap (**GSS-ResT**) has a hook at each end and runs from the handle in the top of the touring enclosure to the slot present in either type of anchor. This strap is long enough for three vertically liked touring enclosures, although in normal use we advise a maximum of two rows. The E-Anchor provides greater declination than the touring anchor.

*Go to page 8 for more details of straps*



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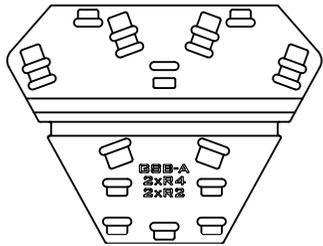
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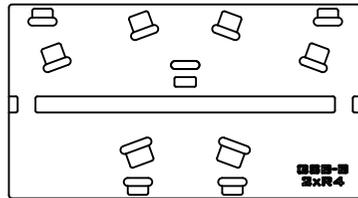
Accessories for: Ground Stack System

Ground Stck Assembly 2

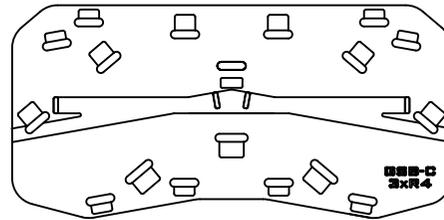
Boards available for many combinations of R2s R3s, R3EHs, R4s or R5s with different bass enclosures



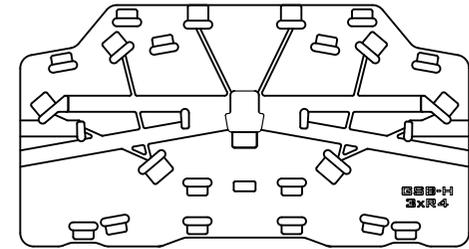
**GSB-A** For 2 wide R2 or R4 on F121, F221 or F218



**GSB-B** For 2 wide R4 on F218



**GSB-C** For 3 wide R4 on 1 or 2 wide F218



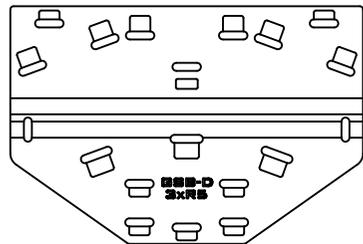
**GSB-H** For 3 wide R4 on 1 wide F221, 2 wide F121, 1 or 2 wide F218

R4 Ground Stack boards provide an optimised and fixed horizontal array angle of 40° between adjacent enclosures.

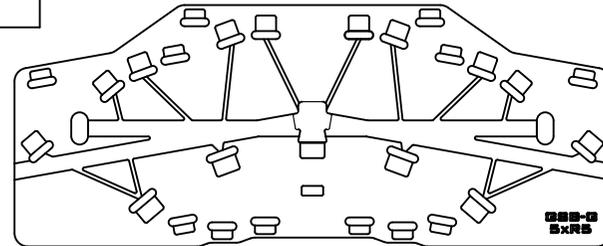
R5 Ground Stack boards provide an optimised and fixed horizontal array angle of 20° between adjacent enclosures.

**Boards for R2, R4 and R4/5 Touring and E series.**

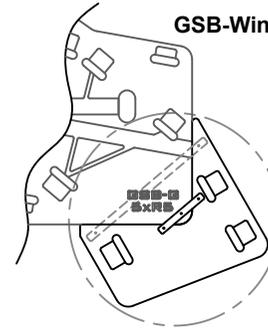
**Boards for R5 Touring and E series.**



**GSB-D** For 3 wide R5 on F218, F121 or F221 or 2 x F221 on end

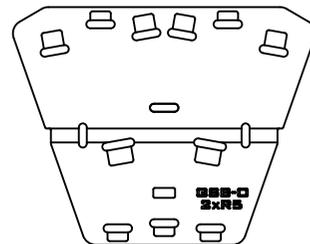


**GSB-G** For 5 wide R5 on 1 wide F221 or 2 wide F121 or F218

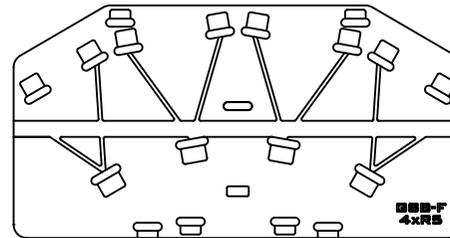


**GSB-Wing** Ground Stack Board extension to make a 5 wide board 6 or 7 wide\* (Left and Right Hand versions available)

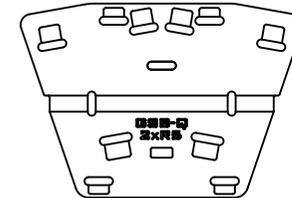
\* Can only be used when stacking on 2 wide F221s or 1 wide F221 with extra F121s on the side



**GSB-O** For 2 x R5 on F121s or F221 on end



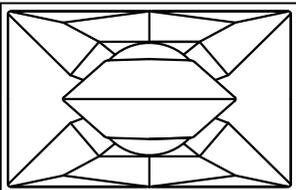
**GSB-F** For 4 wide R5 on 1 wide F221 or 2 wide F121



**GSB-Q** For 2 wide R5 on 2x F218 on end

All dimensions in mm and inches

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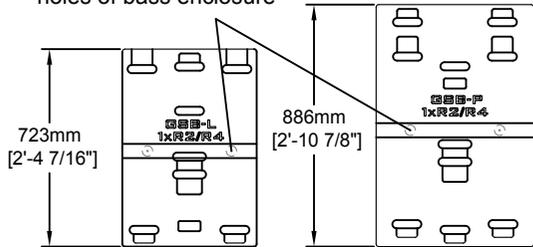
Accessories for: Ground Stack System - Boards (sheet 1)

GSB-A; GSB-B; GSB-C; GSB-D; GSB-F  
GSB-G; GSB-H; GSB-O; GSB-Q GSB-Wing

R2, R3 & R4 Ground Stack boards provide an optimised and fixed horizontal array angle of 40° between adjacent enclosures.

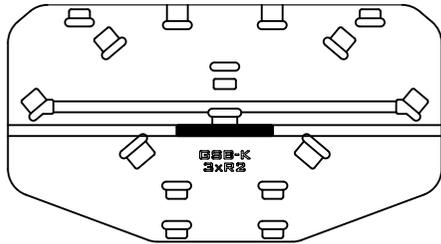
Note: Touring Straps and Anchors cannot be used with R2 or R3 Ground Stacking

Pucks locate in handle holes of bass enclosure



**GSB-L** For 1 x R2 or R4 on F218 on end

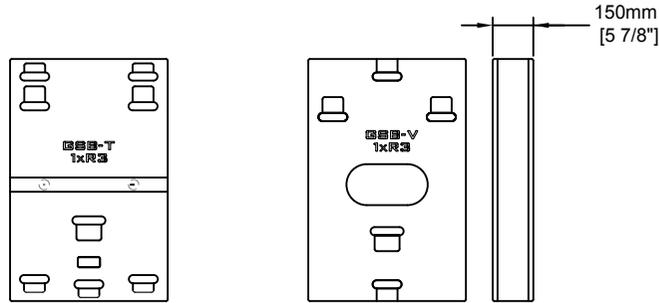
**GSB-P** For 1 x R2 or R4 on F121 or F221 on end



**GSB-K** For 3 x R2 on F218 or F221

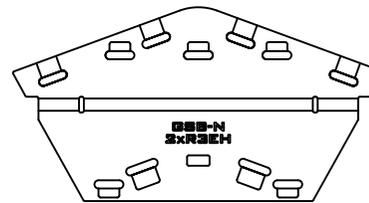
**Boards for R2, R4T and R4E**

All dimensions in mm and inches

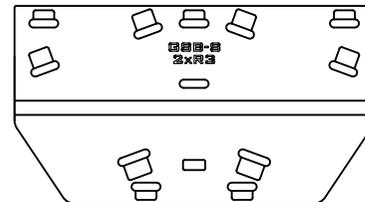


**GSB-T** For 1 x R3 on F121 or F221 on end

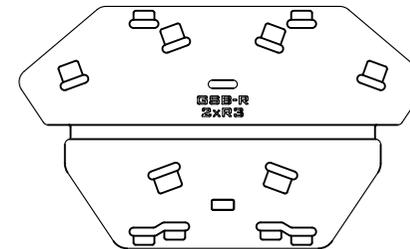
**GSB-V** Special Riser for R3 on F121 on end



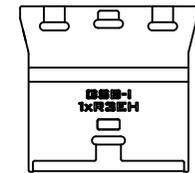
**GSB-N** For 2 x R3EH on F215



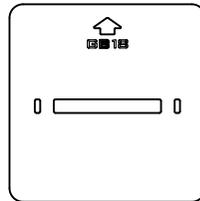
**GSB-S** For 2 x R3 on F218 or IB218



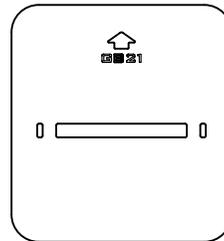
**GSB-R** For 2 x R3 on F221 or 2 x F121s on end



**GSB-I** For 1x R3EH on F215 comes with additional metal bracket



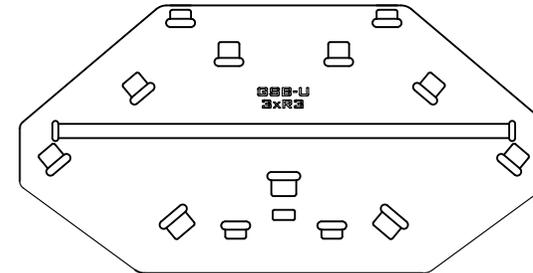
**GB18** Stabilising Board for an F218 on end



**GB21** Stabilising Board for an F221 on end

Used under bass on end, providing extra stability and strap recess.

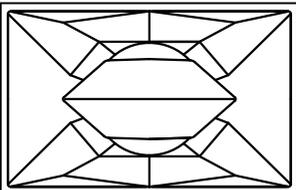
**Stabilising Boards for F218 & F221**



**GSB-U** For 3 x R3 on F221

**Boards for R3**

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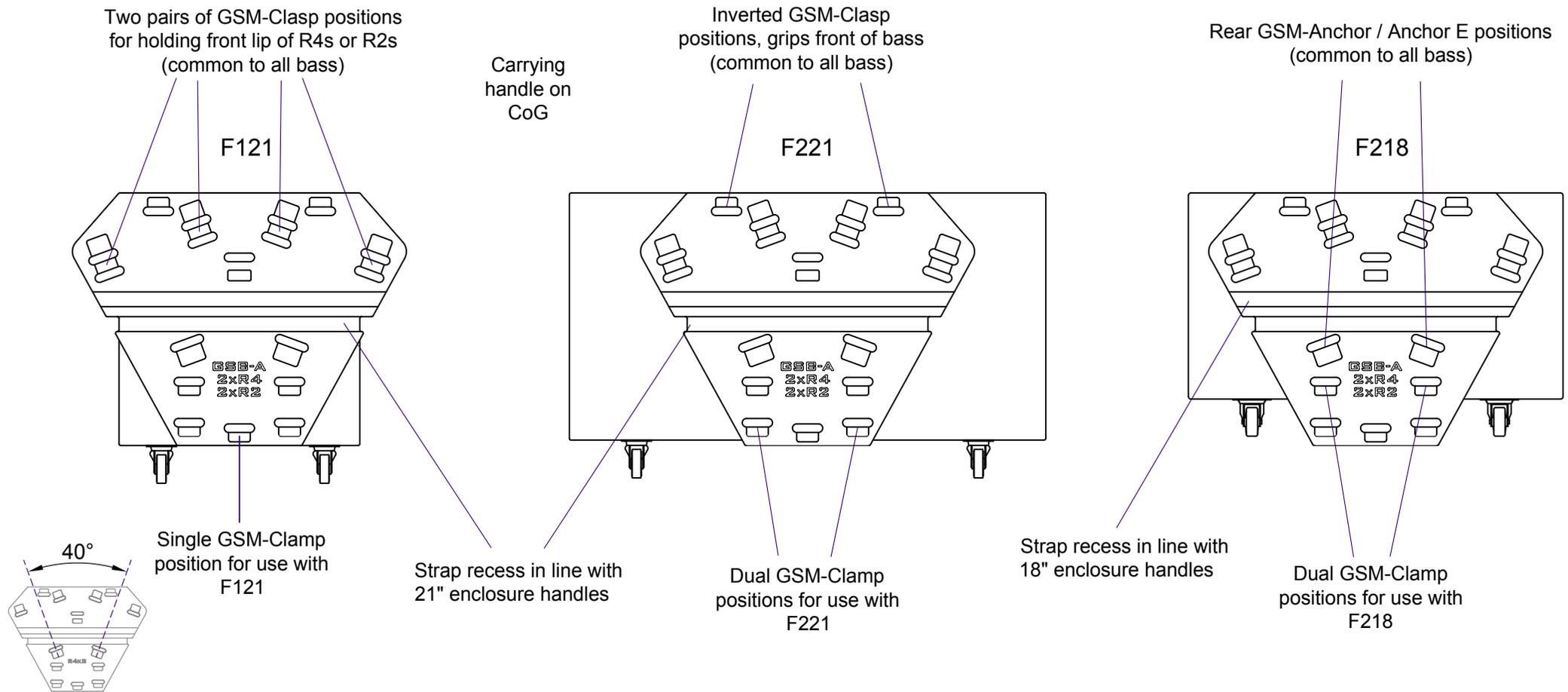
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Accessories for: Ground Stack System - Boards (sheet 2)

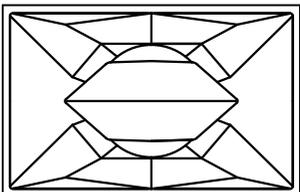
GSB-I, GSB-K, GSB-L; GSB-N; GSB-P; GSB-R; GSB-S; GSB-T; GSB-U; GSB-V; GB18; GB21

**GSB-A two wide Resolution 4 or Resolution 2 board can be used with different bass enclosures as shown**



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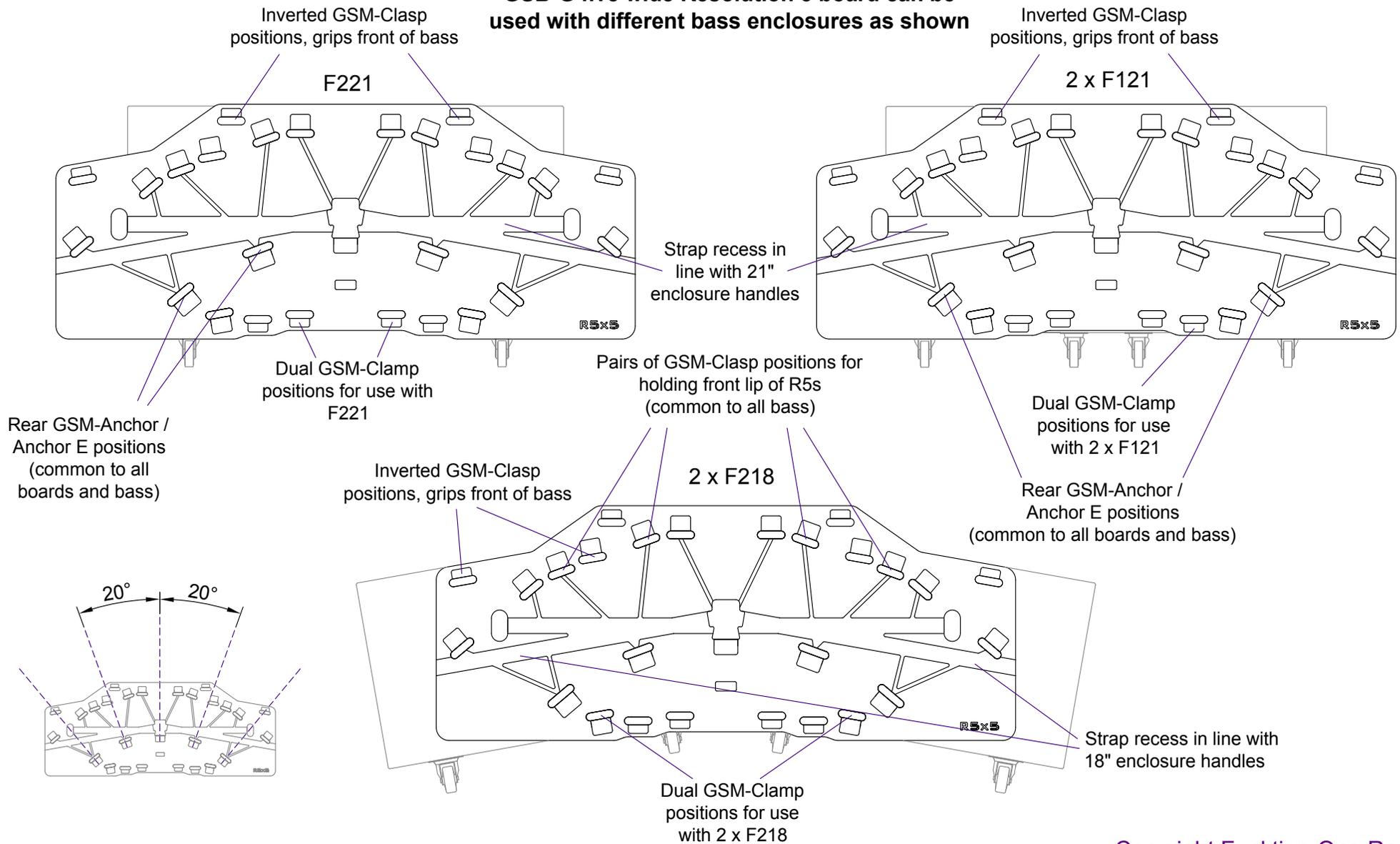
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Accessories for: Ground Stack System

GSB-A on F121, F221 & F218

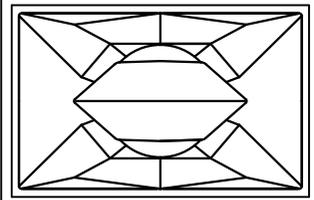
2 wide Resolution 4s or Resolution 2s

**GSB-G five wide Resolution 5 board can be used with different bass enclosures as shown**



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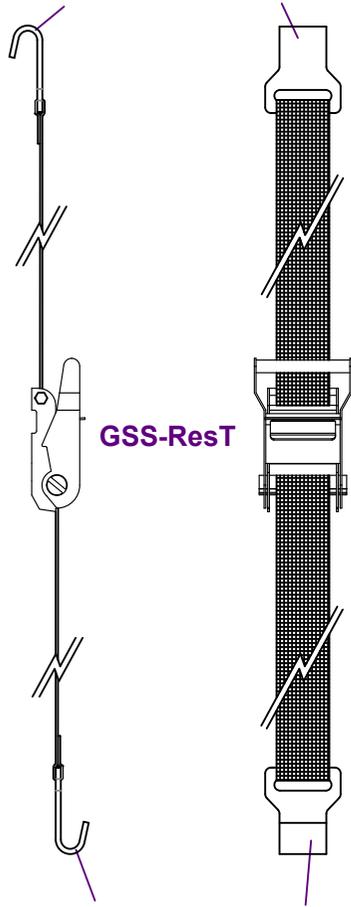
mail@funktion-one.com  
 www.funktion-one.com

Accessories for: Ground Stack System

GSB-G on F218s, F221 & F121s  
 5 wide Resolution 5s

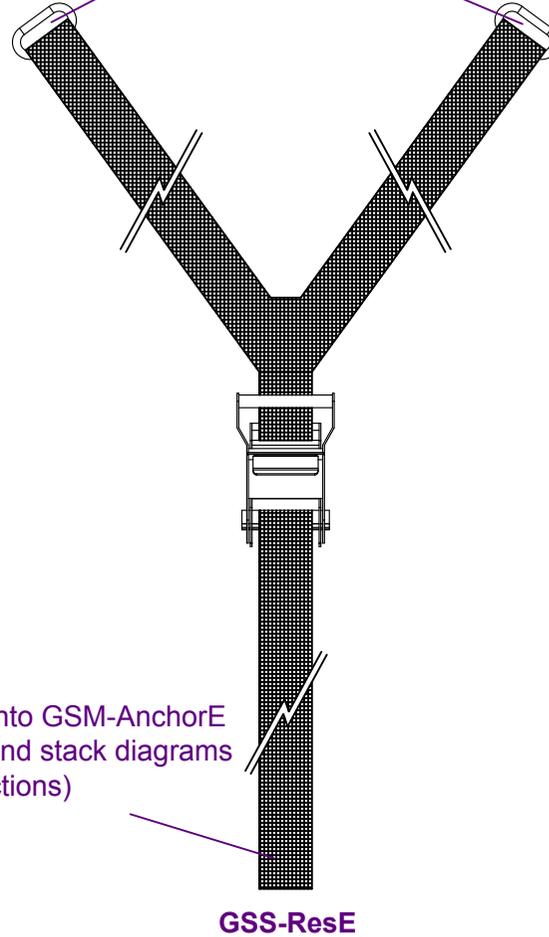
Straps are not to scale

Clips into the top handle of R4/5T



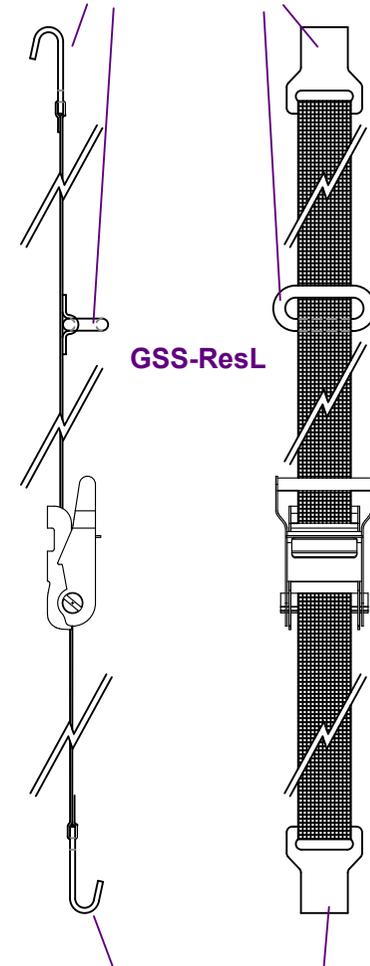
Clips into GSM-AnchorT or AnchorE

Rings fit into side handles of R4/5E

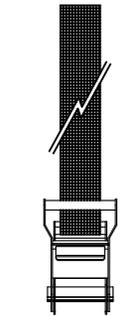


Weaves into GSM-AnchorE  
(See ground stack diagrams for instructions)

Strap loops through top handlebar and hooks into the oval ring

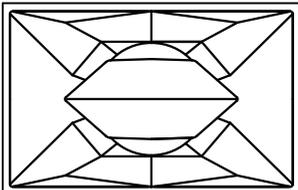


Clips into GSM-AnchorE



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Accessories for: Ground Stack System - Tilt Straps

GSS-ResT - Ratchet strap to secure one or two R4/5T to GSM-AnchorT

GSS-ResE - Ratchet strap (Y) to secure one R2 or R4/5E to GSM-AnchorE

GSS-ResL - Ratchet strap for R3 or R2U groundstacking

GSS-ResEH - 1.4m length lightweight ratchet for "EH" cabinets

# Ground Stack Board Kits

April 2014

	Code	Board	GSM-Clasp	GSM-Clasp 2	GSM-Clamp	GSM-Anchor	GSM-Anchor-E	GSM-Anchor-I	GSS-ResE	GSS-ResT	GSS-ResL	GSS-ResEH	GSS-Bass	M10 Handwheel	GB18	GB21
Complete Kit for mounting 2 x R2 or R4 on F121, F221 or F218 <i>*Not able to use with R2 or R4E</i>	Touring Anchors and Straps*	GS(Kit)-AT	GSB-A	6		2	2			2			1			
	E-Anchors and Touring Straps*	GS(Kit)-AX	GSB-A	6		2		2		2			1			
	E-Anchors and E-Straps	GS(Kit)-AE	GSB-A	6		2		2	2				1			
Install Kit for mounting 2 x R2 or R4 on F221 or F218 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-AI	GSBA	6		2		2								
Complete Kit for mounting 2 x R4 on F218 only	Touring Anchors and Straps	GS(Kit)-BT	GSB-B	6		2	2			2			1			
	E-Anchors and Touring Straps	GS(Kit)-BX	GSB-B	6		2		2		2			1			
	E-Anchors and E-Straps	GS(Kit)-BE	GSB-B	6		2		2	2				1			
Install Kit for mounting 2 x R4 on F218 only (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-BI	GSB-B	6		2		2								
Complete Kit for mounting 3 x R4 on 1 or 2 wide F218	Touring Anchors and Straps	GS(Kit)-CT	GSB-C	8		2	3			3			2			
	E-Anchors and Touring Straps	GS(Kit)-CX	GSB-C	8		2		3		3			2			
	E-Anchors and E-Straps	GS(Kit)-CE	GSB-C	8		2		3	3				2			
Install Kit for mounting 3 x R4 on 1 or 2 wide F218 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-CI	GSB-C	8		2		3								
Complete Kit for mounting 3 x R5 on F218, F121 (on side), F221 or 2 x F221/F121 on end	Touring Anchors and Straps	GS(Kit)-DT	GSB-D	8	2	2	3			3			1			
	E-Anchors and Touring Straps	GS(Kit)-DX	GSB-D	8	2	2		3		3			1			
	E-Anchors and E-Straps	GS(Kit)-DE	GSB-D	8	2	2		3	3				1			
Install Kit for mounting 3 x R5 on F218 or F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-DI	GSB-D	8	2	2		3								
Complete Kit for mounting 4 x R5 on F221 or 2 wide F121	Touring Anchors and Straps	GS(Kit)-FT	GSB-F	10		2	4			4			1			
	E-Anchors and Touring Straps	GS(Kit)-FX	GSB-F	10		2		4		4			1			
	E-Anchors and E-Straps	GS(Kit)-FE	GSB-F	10		2		4	4				1			
Install Kit for mounting 4 x R5 on F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-FI	GSB-F	10		2		4								

**All kits include the board and all necessary metal parts and straps**

Kits with codes ending in 'T' have Touring Anchors and Straps for use with **Touring R4s or R5s** only

Kits with codes ending in 'X' have E-Anchors and Touring Straps for use with Touring R4s or R5s only, but facilitating **more downward tilt** than with the T kits

Kits with codes ending in 'E' have E-Anchors with captive E Straps for use with **E Enclosures, R2s and R3s** as appropriate

Kits with codes ending in 'I' are for **install** applications where everything is secured with bolts **rather than straps**. These have I-Anchors for use with **E Enclosures, R2s and R3s**.

Bass joiner kits (JP-BL) should be ordered separately to secure the bass.

**Please be aware that kits with boards for multiple bass enclosures always contain the maximum amount of clasps/clasp 2s, clamps and bass straps**

# Ground Stack Board Kits

April 2014

	Code	Board	GSM-Clasp	GSM-Clasp 2	GSM-Clamp	GSM-Anchor	GSM-Anchor-E	GSM-Anchor-I	GSS-ResE	GSS-ResT	GSS-ResL	GSS-ResEH	GSS-Bass	M10 Handwheel	GB18	GB21
Complete Kit for mounting 5 x R5 on 1 wide F221 or 2 wide F121s or F218s	Touring Anchors and Straps	GS(Kit)-GT	GSB-G	14		2	5			5			2			
	E-Anchors and Touring Straps	GS(Kit)-GX	GSB-G	14		2		5		5			2			
	E-Anchors and E-Straps	GS(Kit)-GE	GSB-G	14		2		5	5				2			
Install Kit for mounting 5 x R5 on F221 or 2 wide F218s (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-GI	GSB-G	14		2		5								
Complete Kit for mounting 3 x R4 on F221, 2 wide F121, 1 or 2 wide F218	Touring Anchors and Straps	GS(Kit)-HT	GSB-H	10		2	3			3			2			
	E-Anchors and Touring Straps	GS(Kit)-HX	GSB-H	10		2		3		3			2			
	E-Anchors and E-Straps	GS(Kit)-HE	GSB-H	10		2		3	3				2			
Install Kit for mounting 3 x R4 on F221, 1 or 2 wide F218 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-HI	GSB-H	10		2		3								
Complete Kit for mounting 1x R3EH on F215 (requires extra length of angle section to fix on board)	E-Anchors and Straps	GS(Kit)-IE	GSB-I	3				1				1	1			
	I-Anchors and Bass Strap	GS(Kit)-II	GSB-I	3				1					1	1		
Complete Kit for mounting 3 x R2 on F218 or F221	E-Anchors and E-Straps	GS(Kit)-KE	GSB-K	8		2		3	3				1			
Complete Kit for mounting 3 x R2 on F218 or F221 (requires additional JP-BL Joiners)	I-Anchors and No Straps	GS(Kit)-KI	GSB-K	8		2		3								
Complete Kit for mounting 1 x R2 or R4 on F118 or F218 on end (pucks locate in handles) <i>*Not able to use with R2 or R4/5E</i>	Touring Anchors and Straps*	GS(Kit)-LT*	GSB-L	2	1	2	1			1			1		1	
	E-Anchors and Touring Straps*	GS(Kit)-LX*	GSB-L	2	1	2		1		1			1		1	
	E-Anchors and E-Straps	GS(Kit)-LE	GSB-L	2	1	2		1	1				1		1	
Complete Kit for mounting 2x R3EH on F215	E-Anchors and Straps	GS(Kit)-NE	GSB-N	6		2		2				2	1			
	I-Anchors and Bass Strap	GS(Kit)-NI	GSB-N	6		2		2					1	2		
Complete Kit for mounting 2x R5 on F121s or F221 on end <i>*Needs to be added if F221 is used on end (not included in price)</i>	Touring Anchors and Straps	GS(Kit)-OT	GSB-O	6		2	2			2			1			*
	E-Anchors and Touring Straps	GS(Kit)-OX	GSB-O	6		2		2	2				1			*
	E-Anchors and E-Straps	GS(Kit)-OE	GSB-O	6		2		2	2				1			*

## All kits include the board and all necessary metal parts and straps

Kits with codes ending in 'T' have Touring Anchors and Straps for use with **Touring R4s or R5s** only

Kits with codes ending in 'X' have E-Anchors and Touring Straps for use with Touring R4s or R5s only, but facilitating **more downward tilt** than with the T kits

Kits with codes ending in 'E' have E-Anchors with captive E Straps for use with **E Enclosures, R2s and R3s** as appropriate

Kits with codes ending in 'I' are for **install** applications where everything is secured with bolts **rather than straps**. These have I-Anchors for use with **E Enclosures, R2s and R3s**.

Bass joiner kits (JP-BL) should be ordered separately to secure the bass.

**Please be aware that kits with boards for multiple bass enclosures always contain the maximum amount of clasps/clasp 2s, clamps and bass straps**

# Ground Stack Board Kits

April 2014

	Code	Board	GSM-Clasp	GSM-Clasp 2	GSM-Clamp	GSM-Anchor	GSM-Anchor-E	GSM-Anchor-I	GSS-ResE	GSS-ResT	GSS-ResL	GSS-ResEH	GSS-Bass	M10 Handwheel	GB18	GB21
Complete Kit for mounting 1 x R2 or R4 on F121 or F221 on end (pucks locate in handles) <i>*Not able to use with R2 or R4/5E</i>	Touring Anchors and Straps*	GS(Kit)-PT*	GSB-P	2	2	2	1						1			1
	E-Anchors and Touring Straps*	GS(Kit)-PX*	GSB-P	2	2	2		1		1			1			1
	E-Anchors and E-Straps	GS(Kit)-PE	GSB-P	2	2	2		1	1				1			1
Complete Kit for mounting 2x R5 on <b>2x</b> F218s on end	Touring Anchors and Straps	GS(Kit)-QT	GSB-Q	6		2	2			2			1			
	E-Anchors and Touring Straps	GS(Kit)-QX	GSB-Q	6		2		2	2				1			
	E-Anchors and E-Straps	GS(Kit)-QE	GSB-Q	6		2		2	2				1			
Complete Kit for mounting 2 x R3 on F221	E-Anchors and L-Straps	GS(Kit)-RE	GSB-R	6		2		2			2		1			
Install Kit for mounting 2 x R3 on F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-RI	GSB-R	6		2		2								
Complete Kit for mounting 2 x R3 on F218 or IB218	E-Anchors and L-Straps	GS(Kit)-SE	GSB-S	6		2		2			2		1			
Install Kit for mounting 2 x R3 on F218 or IB218 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-SI	GSB-S	6		2		2								
Complete Kit for mounting 1 x R3 on F121 or F221 on end	E-Anchors and L-Straps	GS(Kit)-TE	GSB-T	2	2	2		1			1		1			1
Complete Kit for mounting 3 x R3 on F221	E-Anchors and L-Straps	GS(Kit)-UE	GSB-U	8		3		3			3		1			
Install Kit for mounting 3 x R3 on F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-UI	GSB-U	8		3		3								
Complete Kit for mounting 1 x R3 on F121 on end with a special riser	E-Anchors and L-Straps	GS(Kit)-VE	GSB-V	2	1	1		1			1		1			

**All kits include the board and all necessary metal parts and straps**

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Kits with codes ending in 'E' have E-Anchors with captive E Straps for use with **E Enclosures, R2s and R3s** as appropriate

Kits with codes ending in 'I' are for **install** applications where everything is secured with bolts **rather than straps**. These have I-Anchors for use with **E Enclosures, R2s and R3s**.

Bass joiner kits (JP-BL) should be ordered separately to secure the bass.

**Please be aware that kits with boards for multiple bass enclosures always contain the maximum amount of clasps/clasp 2s, clamps and bass straps**