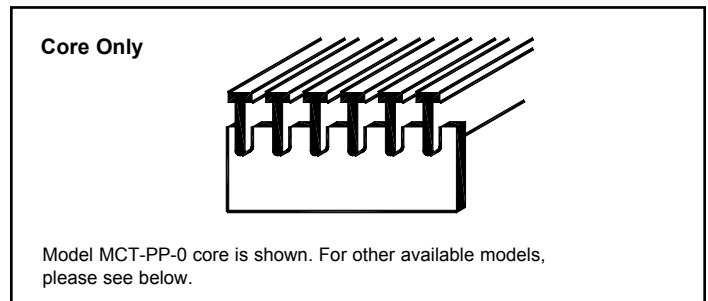
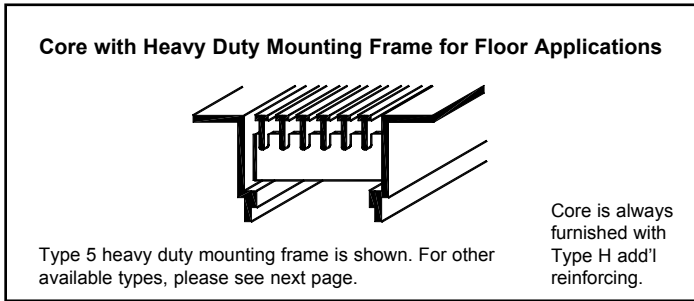
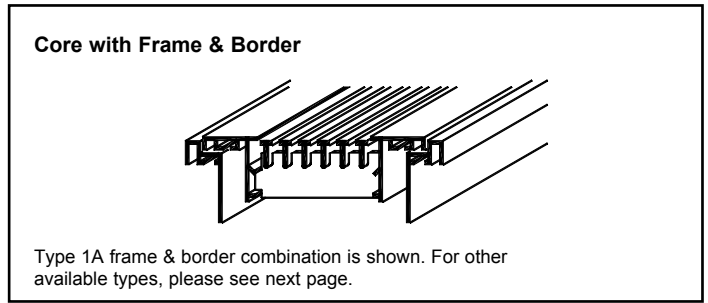
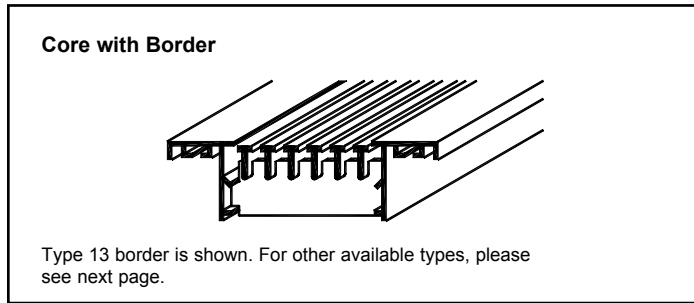


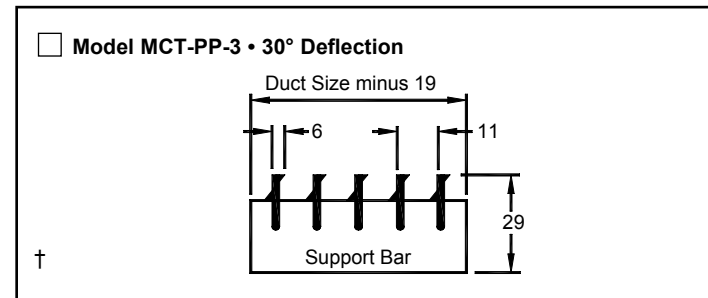
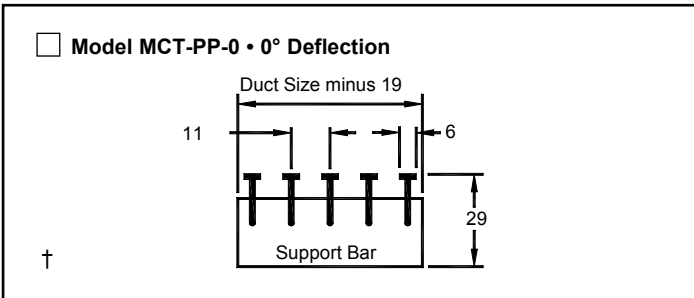
Linear Bar Diffusers

Aluminum • Fixed Bars • Pencil Proof

Models: MCT-PP-0 • 11mm Spacing • 6mm Bars • 0° Deflection
 MCT-PP-3 • 11mm Spacing • 6mm Bars • 30° Deflection

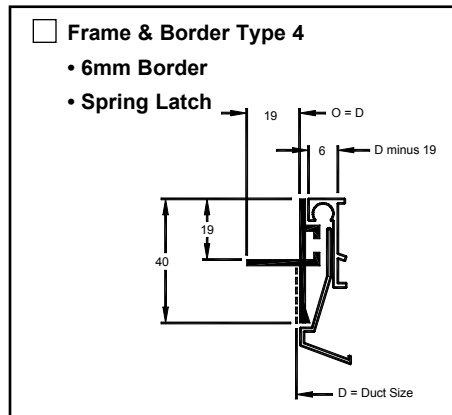
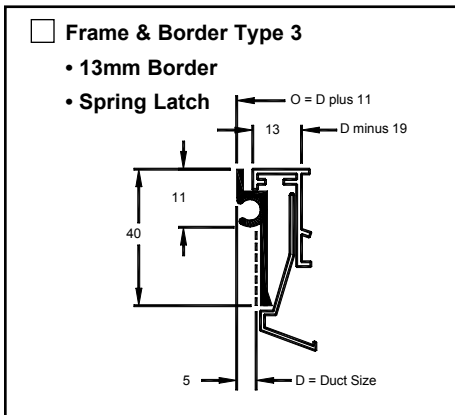
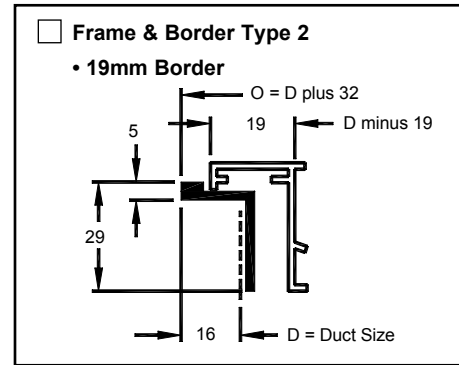
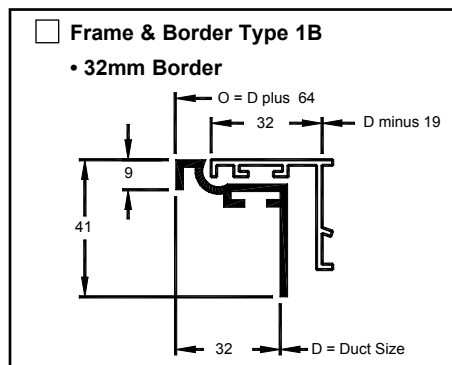
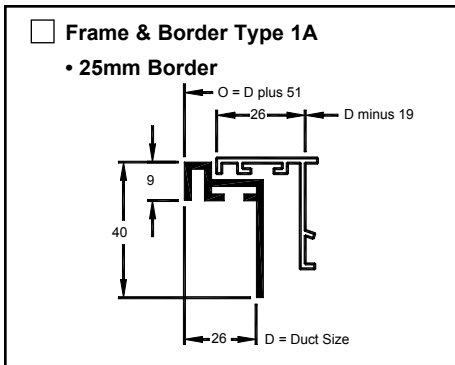


Available Cores selection

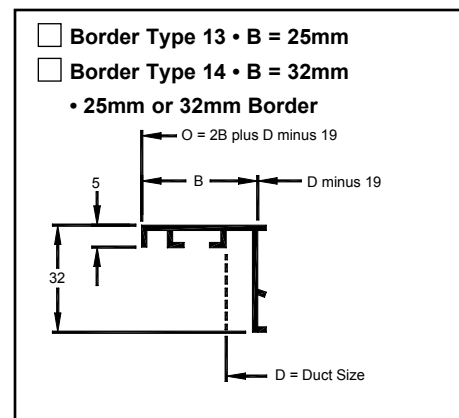
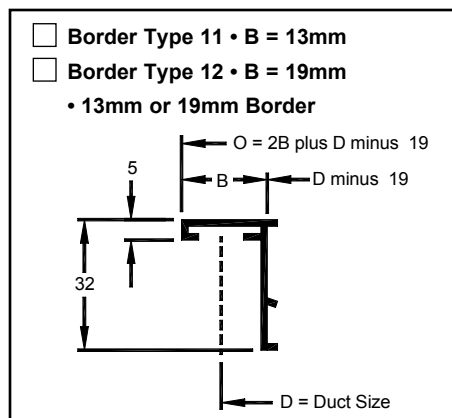
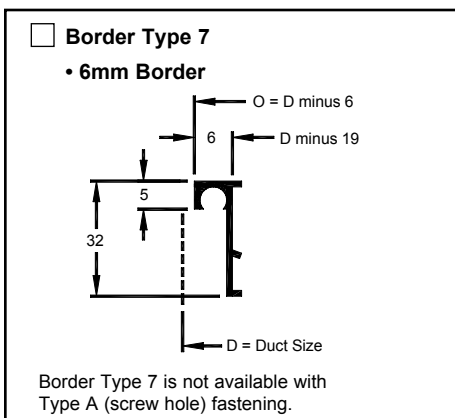


Note: † Not recommended for floor applications with heavy loads or high traffic.
 If placing furniture on cores, furniture legs should be a minimum of core spacing plus two bars wide to avoid placing a horizontal load on core

Frame & Border Types, Dimensions selection



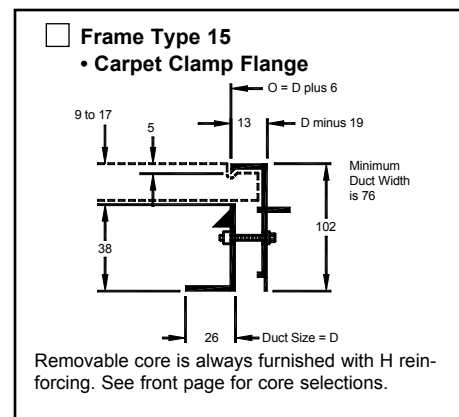
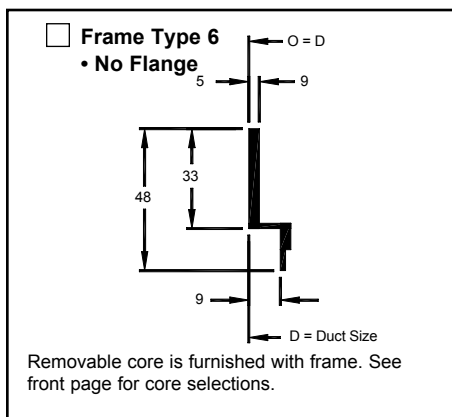
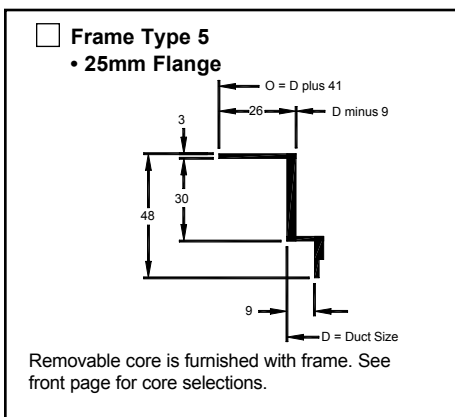
Border Types, Dimensions selection



Heavy Duty Mounting Frames for Floor Applications selection

(See submittal D-MCT-HD for loading limitations.)

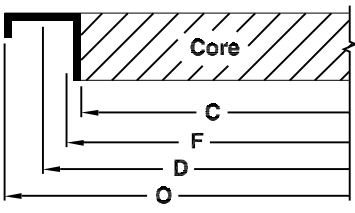
selection



Core Only (No Frame, No Border) Type CO

Overall Length and Widths for Various Frame & Border Types

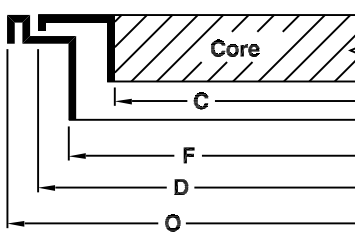
Border Types (Type 11 Shown)



Type	F Border Length	O Overall Length	C Core Opening Length
5	D	D plus 41	D minus 10
6	D	D	D minus 10
7	D minus 16	D minus 6	D minus 19
11	D minus 16	D plus 6	D minus 19
12	D minus 16	D plus 19	D minus 19
13	D minus 16	D plus 32	D minus 19
14	D minus 16	D plus 44	D minus 19

Dimensions are for length or width.

Frame & Border Types (Type 1A & 1B Shown)



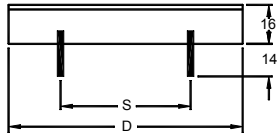
Type	F Frame Length	O Overall Length	C Core Opening Length
1A	D	D plus 51	D minus 19
1B	D	D plus 64	D minus 19
2	D	D plus 32	D minus 19
3	D	D plus 6	D minus 19
4	D	D	D minus 19
15	D	D plus 19	D minus 19

Dimensions are for length or width.

Standard Core Width Information

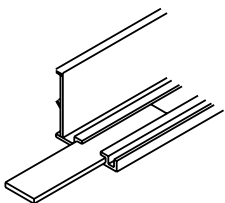
Duct Size D	6mm Spacing		13mm or 11mm Spacing	
	Core Opening C	Number of Bars	Core Opening C	Number of Bars
51	32	3	32	2
64	44	5	44	3
76	57	7	57	4
89	70	9	70	5
102	83	11	83	6
127	108	15	108	8
152	133	19	133	10

Core Only



S=229mm Maximum Support Bar Spacing.
D=1829mm Maximum for One Piece. *Core Only* is an option available for field framing. Standard widths are as shown. Core will ship 19mm smaller than the duct width.

Alignment Strips

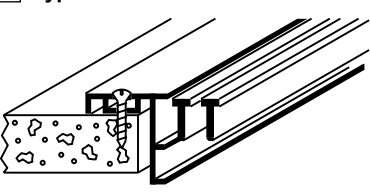


Used with border width 13mm or wider. Alignment pins used with 6mm borders.

Available Fastenings

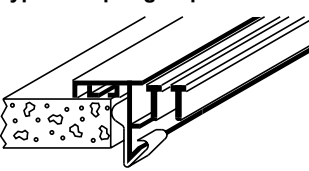
Check selection

Type A • Screw Holes



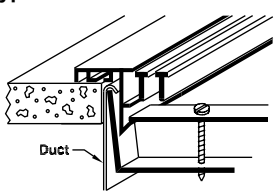
For ceiling, side wall or sill. Used with Frame & Border Types 1B, 5, 11, 12, 13, 14.

Type B • Spring Clip



For sill installations. Used with Frame & Border Types 7, 11, 12, 13, 14. Must use MAG-35B instead of MAG-35 with Type B fastening. Sill opening size must be slightly larger to accommodate spring clips.

Type C • Concealed Fastening

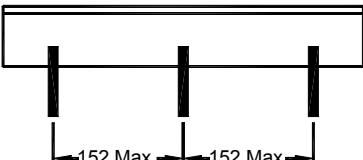


For ceiling, side wall or sill. Used with Frame & Border Types 1A, 1B, 2, 7, 11, 12, 13, 14.

Additional Reinforcing (Optional)

Check if provided

Type H • Optional Heavy Duty Core
• Standard with Heavy Duty Mounting Frame Types 5, 6, 15

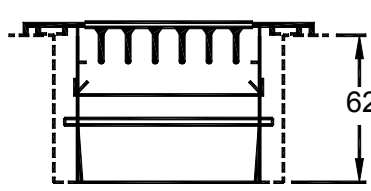


Optional Heavy Duty Core has support bars on 152mm maximum centers. (Standard core has 229mm maximum centers.) See Submittal MCT-HD for maximum loading.

Accessories (Optional)

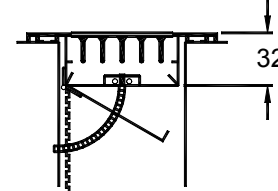
Check if provided

Model MM07 Directional Blades



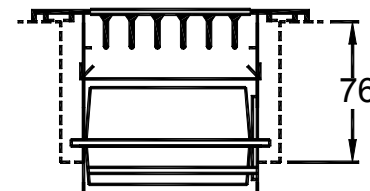
For all widths of Model MCT diffusers 76mm or greater. Cannot be attached to Frame & Border Types 3 and 4. Can be used with Type 5, 6, 15 if Type B Spring Clip Fastening is omitted.

Model MAG-30 Single Blade Damper



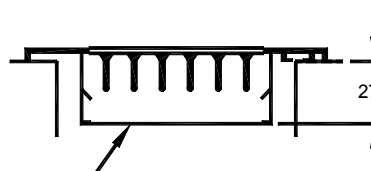
For Model MCT diffuser widths 38 through 102mm. Friction hinge on 51mm width. Screwdriver operator on 64 through 102mm. Cannot be attached to Frame & Border Types 3, 4, 5, 6 or 15. For those types use Model MAG-35B damper on diffusers 76mm and wider.

Model MAG-35 Opposed Damper



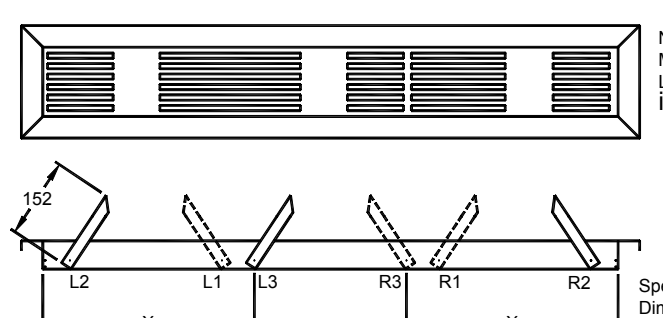
For Model MCT diffusers 76mm and wider. Cannot be attached to Frame & Border Types 3 and 4. Use Model MAG-35 B damper for those types. Note: Minimum duct width is 76mm.

Model MBLKS Steel Blank-Off



For all widths of Model MCT diffusers. Furnished in 1829mm lengths for field cutting and installation. Steel, painted flat black.

Model MAD Access Door (Not available on Types 3, 4 5, 6, and 15.)



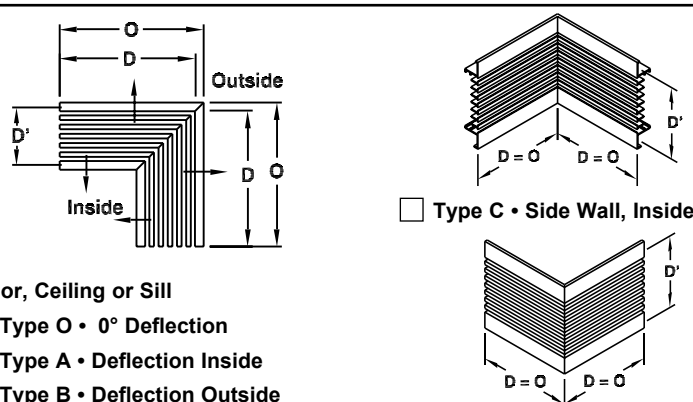
Note: Maximum Length is 1829 mm

Specify Dimension X

Optional Mitered Corners

MMC-PP-0 • 11mm Spacing • 5mm Bars • 0° Deflection

MMC-PP-3 • 11mm Spacing • 5mm Bars • 30° Deflection



Floor, Ceiling or Sill

Type O • 0° Deflection

Type A • Deflection Inside

Type B • Deflection Outside

Type C • Side Wall, Inside

Type D • Side Wall, Outside

Overall Dimension O for Various Frame & Border Types

Duct Width D'	Duct Length D	Frame & Border Type													
		1A	1B	2	3	4	5	6	7	11	12	13	14	15	CO
51-102	305	329	335	321	310	305	325	305	302	308	314	321	327	308	305
105-152	406	481	487	473	462	457	478	457	454	460	467	473	479	460	457

Standard Finish: #26 White

General Description

- TITUS linear bar diffusers are designed for both supply and return applications.
- Standard lengths are 305,610, 914, 1219, 1524 and 1829 mm, furnished as complete, welded assemblies.

- Lengths greater than 1829mm are furnished in multiple sections, the number and size determined by the factory.
- Sections can be joined end-to-end for continuous appearance, using standard alignment strips or alignment pins.

- All deflection bars are fixed and are parallel to the long dimension.
- Fixed Bars are extruded aluminum.
- Border Types 5, 6 and 15 are the only frame styles available for floor applications.



Note: This submittal is meant to demonstrate general dimensions of this product. The drawings on this submittal are not meant to detail every aspect of the product with exactness. Drawings are not to scale. TITUS reserves the right to make changes without written notice.

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MD-5.0-S