



REVIT MANUAL

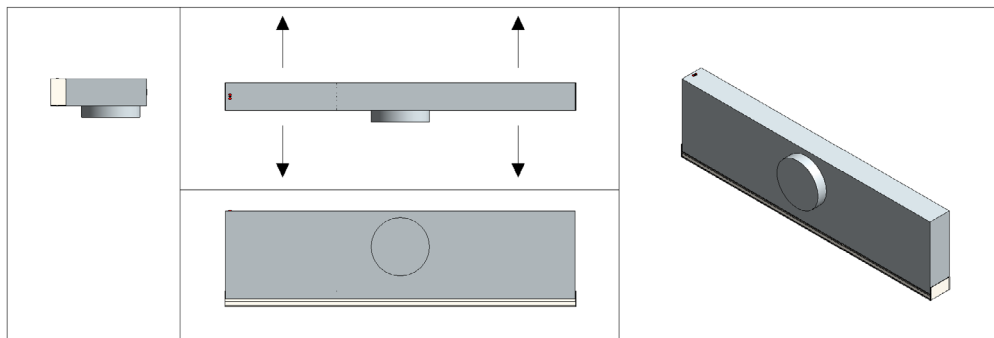
Line diffuser

STAR en STBR



SUMMARISED REVIT BIM MANUAL SOLID AIR MODELS

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Materials and Finishes	
SACS_Color	RAL 9010-55
SACS_Face_Color	NLRS_57_anodised aluminium
Dimensions	
NLRS_M_c01_diameter	160.0
NLRS_C_lengte	1200.0
NLRS_C_breedte	52.0
NLRS_C_hoogte	284.5
Mechanical - Flow	
NLRS_M_c01_debiet	200.0000 m³/h
NLRS_M_c01_drukverlies_stat...	0.000000 Pa
Identity Data	
NLRS_C_model	STARDRO 1200-1
NLRS_C_materiaal_kleur	RAL 9010-55
SACS_Article_Code	8101000301
NLRS_C_gtin_code	8720238008631
SACS_Type_Mark	

Entered colour.

Material colour for model.

Nominal connection size.

Nominal diffuser length (=recess size)*.

Nominal diffuser width (=recess size).

Plenum height (from the underside of the ceiling).

Air volume.

Pressure loss with flow**.

Article name selected diffuser.

Entered colour.

Article number Solid Air (if available).

GTIN number (if available).

Model Properties	
SA-Select	https://selectietool.solid-air.nl
SACS_Option_1	ST
Pattern blades (1-2)	2
SACS_Option_2	A = Double blade
SACS_Option_3	R = Ceiling inlay
Endcaps (0-2)	2
SACS_Option_4	D = Two endcaps
Plenum Type (1-2)	1
SACS_Option_5	R = Lined
Brackets (0-2)	0
SACS_Option_6	O = None
Slots (1-2)	1
SACS_Option_7	Single slot
Pattern (0-2)	2
SACS_Flow_Pattern	Left + Right
Color option (0-4)	0
SACS_Option_8	RAL 9010-55
SACS_Custom_Color	
Swap_Endcap	☐
Swap_Arrows	☐
Visibility	
SACS_Show_Arrows	☒
SACS_Show_Symbol	☒

Basic version.

Set the number of pattern blades***.

Selected number of pattern blades.

For T-bar mounted ceiling grid (modular).

Set number of end caps***.

Selected number of end caps.

Set plenum type****.

Selected plenum type.

Set brackets.

Selected bracket type.

Set number of slots.

Selected number of slots.

Set discharge pattern****.

Selected discharge pattern.

Select colour option.

Selected colour option.

Enter non-standard (RAL) colour.

Change the side of the end cap***.

Change the side of the discharge pattern****.

Show the arrows for the discharge pattern****.

Show the diffuser symbol (=recess size).

Notes

* For model SOOOx this is the nominal plenum length.

** Values for pressure loss are added to the model as soon as the required calculation rules are available.

*** Only for the Revit models with linear diffuser.

**** Only for the Revit models with plenum.

Values for “Pattern blades (1-2)”	
1: single pattern blade	2: two pattern blades

Values for “End caps (0-2)”		
0: no end caps	1: one end cap	2: two end caps

Values for “plenum type (1-2)”	
1: internally insulated plenum	2: uninsulated plenum

Values for “Brackets (0-2)” (model STxRxRUx)		
0: no brackets	1: diffuser bracket A	2: plenum bracket B

Values for “Brackets (0-2)” (model STxRxOx)		
0: no brackets	1: diffuser bracket A	2: ceiling bracket D

Values for “Brackets (0-1)” (model SOOOxx)	
0: no brackets	1: plenum bracket B

Values for “Pattern (0-2)”		
0: left discharge (towards connector)	1: right discharge	2: double-sided discharge*

* double-sided discharge only applies when you use 2 pattern blades.

Values for “Colour option (0-4)”				
0: RAL 9010-55	1: RAL 9016-30*	2: RAL 9016-70	3: Non-standard RAL	4: Non-standard, not RAL

* For RAL 9016-30 there are no additional costs for the colour, but there is a colour-change charge per delivery!

Use non-standard linear diffuser and/or plenum

Line diffusers are often positioned visually as single lines across an entire room. To achieve this in Revit, we have split the models:

STxDxRUx: Versions (length 600, 750, 900, 1200, 1500, 1800 mm) with equal (nominal!) length for diffuser and plenum.

STxDxOx: Version of just the linear diffuser, with free entry of (nominal!) diffuser length.

SOOOxx: Standard version individual plenum with (nominal) length 600, 750, 900, 1200, 1500 or 1800 mm.

SOOOxx-2xD: individual plenum with free entry of (nominal) plenum length and connection diameter (2 pcs, equal diameter).

If the selected diameter for the S000xx-2xD does not fit the selected length of the plenum, the length of the plenum is adjusted accordingly. Remember to check that this still fits, or select a smaller connection diameter.

NB: although the S000 plenum for the STxR and STxD line diffusers is the same, this does not apply to the Revit model. As the STxD is fitted below the ceiling, the plenum is also positioned lower. Furthermore, for the STxR the choice is limited to 1 slot and 2 slots. The C bracket (click-in) is not available for the STxR.

For non-standard (nominal) lengths of the linear diffuser and the plenum, the code "L=xxxx" is used in the model name. The reason is that you can evidently come up with virtually infinite lengths and Revit is currently unable to convert numbers into text (within families) and to combine texts.

The linear diffuser and the plenum have the same reference point from the floor. Therefore, if you positioned the linear diffuser at a ceiling height of 2700mm from the floor, you also position the plenum at 2700 mm from the floor.



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