



# Ceiling Slot Diffuser

## DSX-XXL



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# Ceiling Slot Diffuser DSX-XXL

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## Ceiling Slot Diffuser DSX-XXL

### Description

The ceiling slot diffuser type DSX-XXL-S is suitable **for installation in closed ceiling systems**, in rooms of heights 2.6 to 4 m. In panelled ceilings, the use of the black (RAL 9005) air guide element allows an **approximately invisible installation** of the slot diffuser. The versions DSX-XXL-P, DSX-XXL-PA and DSX-XXL-PB with support profile are suitable for installation of the cover plates.

The **high induction** ensures fast reduction of the air outflow velocity and of the temperature difference in cooling mode. The air outflow direction can also be adjusted from the room side, even when the diffuser has been installed. In doing so, the free cross-section always remains constant. Likewise, the pressure loss and noise level do not change. A subsequent adjustment of the air jet pattern to changed room conditions is possible. To adjust the position of the blades, each blade must be pulled out and inserted rotated in accordance with the desired air direction. One- or two-way horizontal air throw is possible. If, on ordering, the desired air throw direction is specified, it will be set ex works. Unless stated otherwise, blade position III (horizontal throw in alternating directions) will be set.

The stable air jet means that the diffuser is suitable for VAV systems. Even at a volumetric flow of 40%, the jet still remains stable.

The attached plenum box ensures a uniform distribution of supply air along the whole length of the diffuser. At an extra charge, a damper adjustable from below can be installed in the connection spigot for air volume regulation. The plenum box can also be insulated either internally or externally. Connection to diffusers combined with lighting is possible (price on request).

A band design with plenum box is delivered with concealed mounting as standard. If the order does not specify the band design or if it is not obvious from the order documentation that the band design has been ordered, the individual grilles will be delivered with fixed connection to the plenum box.

For slot diffusers in band design with concealed mounting, the fastening effort is reduced by half, compared with the model without concealed mounting.

### Diffuser mounting

Fixing lugs are provided in the plenum box to allow the diffuser to be suspended (see page 6). These fixing lugs can be provided with M4 riveting nuts at an extra charge.

### Construction

#### Air guide elements

- Plastic, similar to RAL colour 9010 (white (-LW)) or RAL 9005 (black (-LS)) (standard)

#### Frame

- Extruded aluminium profile
- DSX-XXL-S: painted to the colour of the air guide blades in RAL 9010 (white) or RAL 9005 (black)
- DSX-XXL-P painted to RAL 9010 (white) or natural colour anodised (E6/EV1)
- DSX-XXL-PA: painted RAL 9010 (white) or anodised in natural colour (E6/EV1)
- DSX-XXL-PB: painted RAL 9010 (white) or anodised in natural colour (E6/EV1)

### model

- |                        |   |
|------------------------|---|
| DSX-XXL                | - For installation in closed ceiling systems                                      |
| DSX-XXL-S              | - For the invisible installation in the joint of panels, without support profile. |
| DSX-XXL-P              | - For visible installation, with support profile.                                 |
| DSX-XXL-PA             | - For visible installation, with support profile.                                 |
| DSX-XXL-PB             | - For visible installation, with support profile.                                 |
| DSX-XXL-...-1/2/3/4    | - with 1, 2, 3 or 4 slots   |
| DSX-XXL-...-Z          | - Supply air  |
| DSX-XXL-...-A          | - Return air with air guide elements  |
| DSX-XXL-...-...-L II R | - Air guide elements one-way horizontal throw on the right                        |
| DSX-XXL-...-...-L II L | - Air guide elements one-way horizontal throw on the left                         |
| DSX-XXL-...-...-L III  | - Air guide elements alternating horizontal throw (standard)                      |

## Ceiling Slot Diffuser DSX-XXL

### Accessories

#### Plenum box (-ASK)

- Galvanised sheet steel, with lateral connection spigot and fixing lugs.

#### Damper (-DK)

- Damper made of galvanised sheet steel
- Damper fastening made of plastic

#### Corner angle 90° (-EW)

- supplied loose as standard
- extruded aluminium profile (same colour as DSX-XXL)

#### M4 riveting nut

- at an extra charge

#### End piece (pair) (-ES)

- supplied unassembled as standard. If there are order details regarding fitting, mounting will take place at the factory.
- for DSX-XXL-S (-ES1), aluminium painted to RAL 9005 (black) or RAL 9010 (white).
- for DSX-XXL-P (-ES2), natural colour anodised aluminium E6/EV1 or aluminium painted to RAL 9010 (white).
- for DSX-XXL-PB (-ES3), natural colour anodised aluminium E6/EV1 or aluminium painted to RAL 9010 (white).

#### Rubber lip seal (-GD)

- Special rubber

#### Internal insulation (-li)

- thermal insulation at the inside of the plenum box

#### External insulation (-la)

- thermal insulation at the outside of the plenum box

#### Dummy piece (-BS)

- with dummy plate made of galvanised sheet steel
- with M4 riveting nut

#### Mounting bracket (pair) (-BW) for operation with overflow air

- Galvanised sheet steel
- with M4 riveting nut

#### Connection element 1

- Galvanised sheet steel
- for connection of plenum boxes with band design
- supplied loose as standard

#### Connection element 3

- for connection of DSX-XXL-W-... and dummy pieces with band design
- supplied loose as standard

#### Double blade

- for connection of diffusers with band design

### Fastening

#### permanent connection

- Standard for models DSX-XXL-S, DSX-XXLP, DSX-XXL-PA and DSX-XXL-PB

#### Clamp fastening

- Mounting of the DSX-XXL-P and DSX-XXL-PB without plenum box in pressure ceilings
- supplied loose as standard

#### Concealed mounting (-VM)

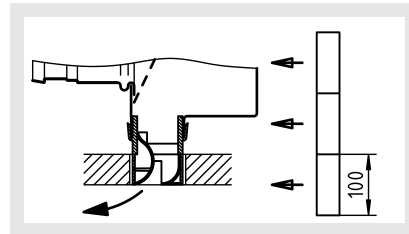
- Standard for band design with plenum box (-ASK)
- available for single diffusers with plenum box (-ASK)

### Models and dimensions

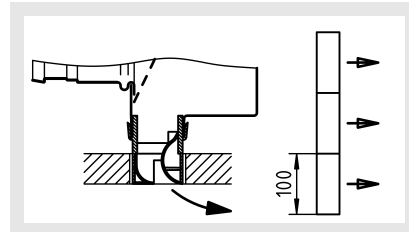
#### Air throw pattern

##### Air guide element position

##### one-way horizontal left throw (-L II L)

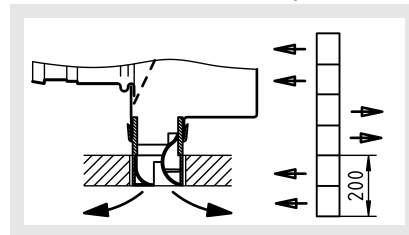


##### one-way horizontal right throw (-L II R)



**For air guide element setting II, you must specify in the order whether you desire left or right throw.**

##### two-way horizontal throw (-L III, standard)

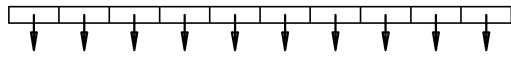


In each case, at least 2 elements one behind the other must have the same air flow direction, otherwise no stable horizontal air throw pattern will be obtained.

## Ceiling Slot Diffuser DSX-XXL

### DSX-XXL-...-1 to 4

L=500-1500, one-way throw (-LIIL / -LIIR)

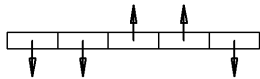


All air guide elements are adjusted in one direction.

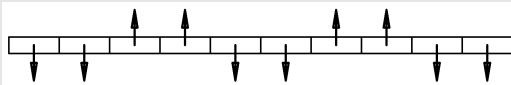
### DSX-XXL-...-1

two-way throw (-LIII)

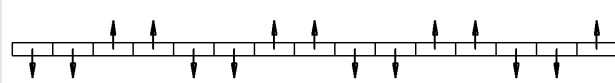
L=500



L=1000



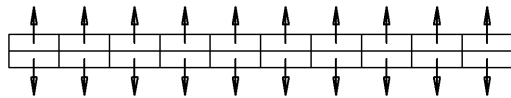
L=1500



In each case, 2 air guide element rows must be installed on the right, 2 air guide element rows on the left, etc. With L=500 and L=1500, the last air guide element row must be used opposite to the previous one.

### DSX-XXL-...-2

L=500-1500, two-way throw (-LIII)

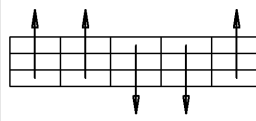


In each case, the complete slot rows must be set to one direction.

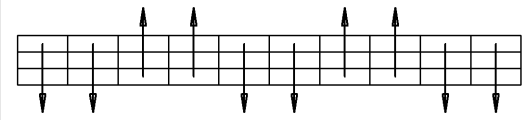
### DSX-XXL-...-3

two-way throw (-LIII)

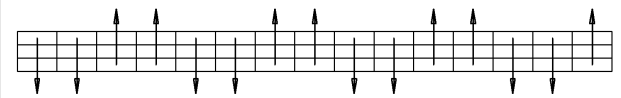
L=500



L=1000



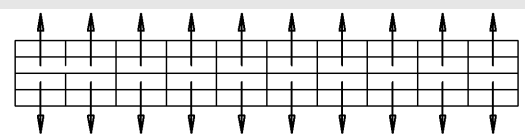
L=1500



In each case, 2 air guide element rows must be installed on the right, 2 air guide element rows on the left, etc. With L=500 and L=1500, the last air guide element row must be used opposite to the previous one.

### DSX-XXL-...-4

L=500-1500, two-way throw (-LIII)



**Attention:** In each case, 2 complete slot rows must each be set to one direction.

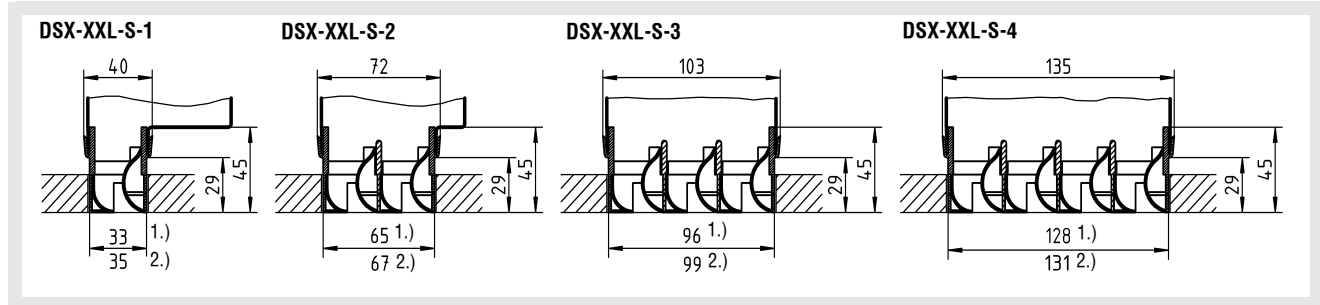
In the return air model, the air throw pattern -LIII is supplied as standard. A different air throw pattern is possible according to the customer's specifications.

## Ceiling Slot Diffuser DSX-XXL

### Dimensions

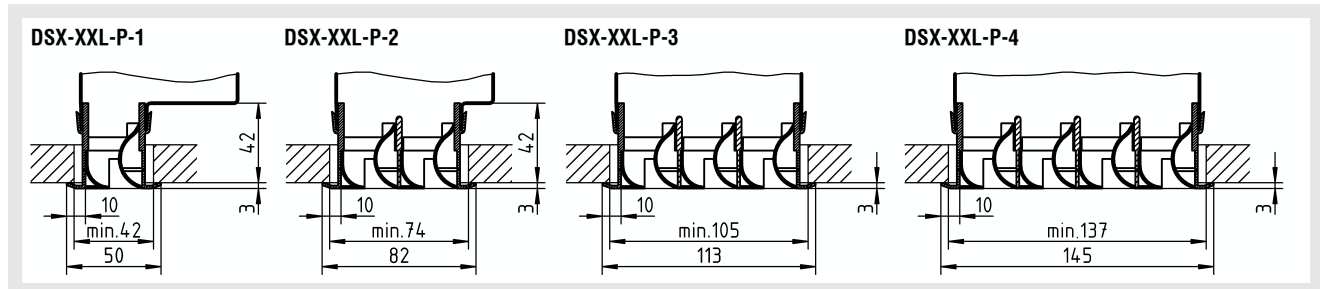
#### DSX-XXL-S without support profile

For installation in closed ceiling systems or for invisible installation in the joint of panelled ceilings.



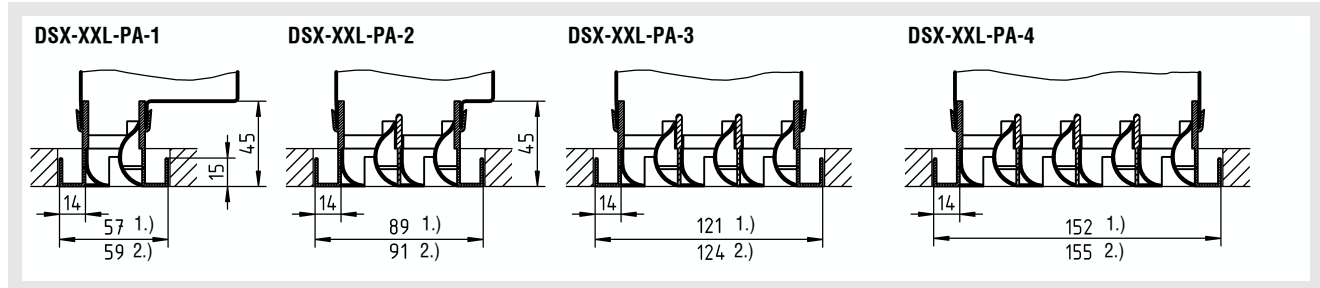
#### DSX-XXL-P, with support profile

For installation in ceiling panels, suitable for installation in closed ceiling systems.



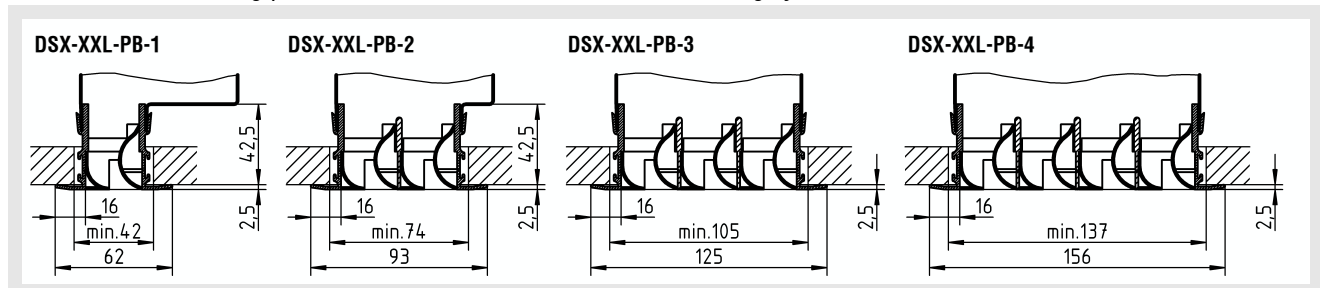
#### DSX-XXL-PA, with support profile

For installation in closed ceiling systems



#### DSX-XXL-PB, with support profile

For installation in ceiling panels, suitable for installation in closed ceiling systems.



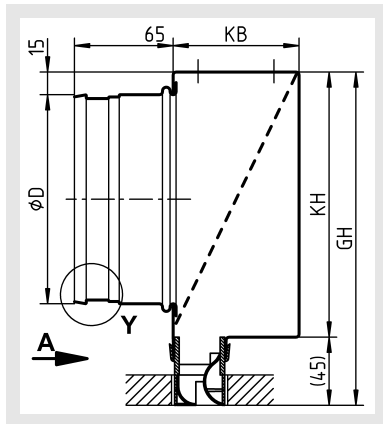
1.) anodised model

2.) painted model

## Ceiling Slot Diffuser DSX-XXL

### Dimensions of accessories

Plenum box type ASK  
for DSX-XXL-...



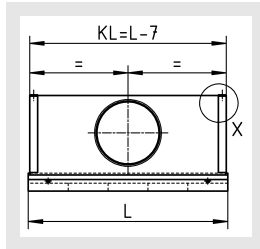
### Available sizes

	KB	GH	KH	ød		
				L ≤ 500	500 < L ≤ 1000mm	1000 < L ≤ 1500mm
DSX-XXL-...-1	83	220	175	ø138	ø138	2x ø138
DSX-XXL-...-2	83	220	175	ø138	2x ø138	2x ø138
DSX-XXL-...-3	98	240	195	ø158	2x ø158	3 x ø158
DSX-XXL-...-4	130	280	235	ø198	2x ø198	3 x ø198

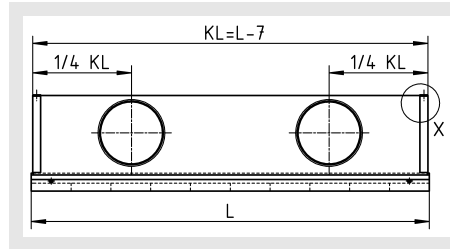
KH = Height of plenum box  
GH = Total height

### View A

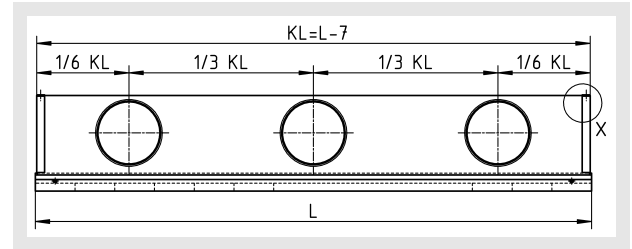
with 1 spigot



with 2 spigots

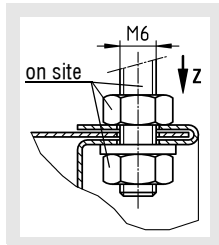


with 3 spigots

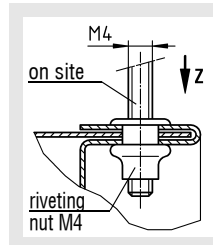


### Detail X / diffuser mounting

Standard:



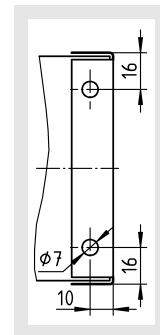
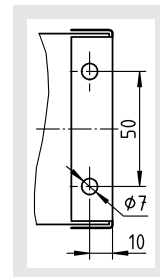
at an extra charge:



To facilitate ceiling mounting, the plenum boxes can be provided with an M4 riveting nut. When delivered without plenum box, mounting must be done on-site.

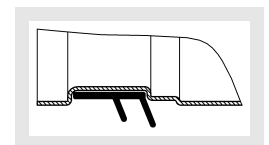
### View Z

DSX-XXL-...-1/2 DSX-XXL-...-3/4

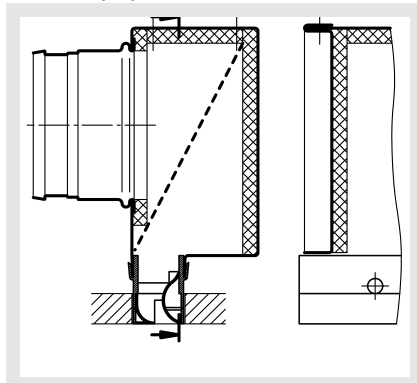


Rubber lip seal (-GD)

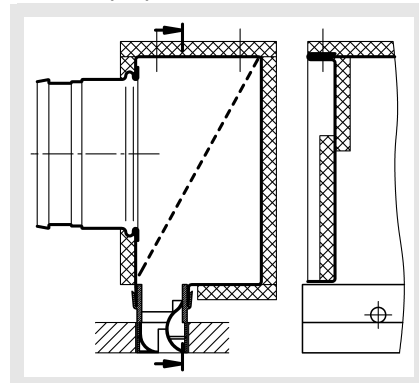
Detail Y



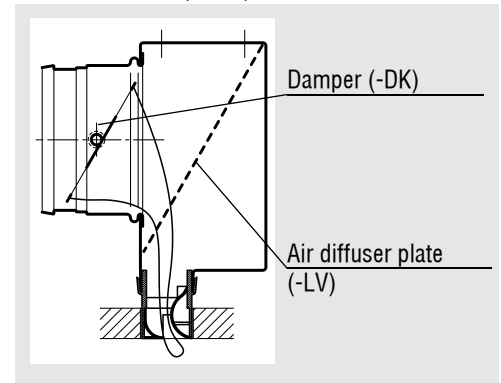
Insulation for plenum box  
internal (-li)



external (-la)

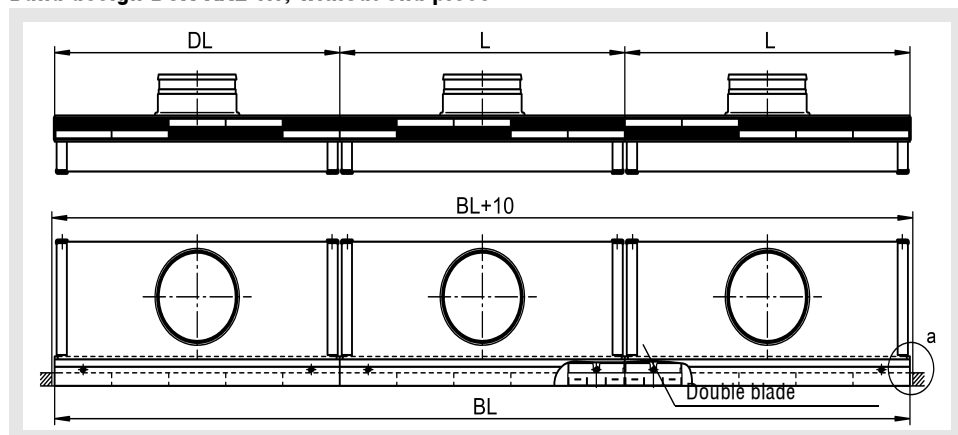


Damper (-DK)  
for plenum box (-ASK)



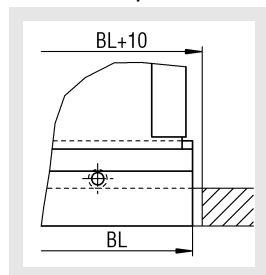
## Ceiling Slot Diffuser DSX-XXL

### Band design DSX-XXL-..., without end piece

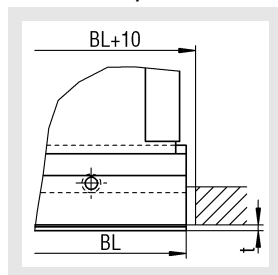


DL = Difference distance  
BL = Length of band  
L = 500/1000/1500 mm

### Detail a, without end pieces DSX-XXL-S / DSX-XXL-PA

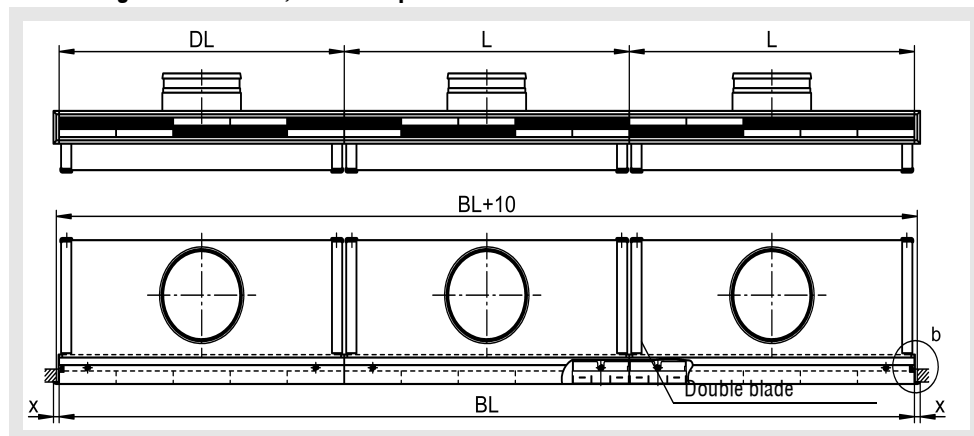


### DSX-XXL-P / DSX-XXL-PB



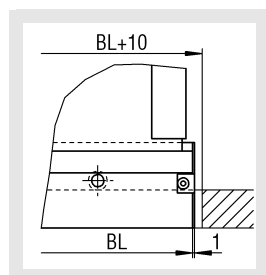
	t (mm)
DSX-XXL-S	-
DSX-XXL-PA	-
DSX-XXL-P	3
DSX-XXL-PB	2,5

### Band design DSX-XXL-..., with end piece

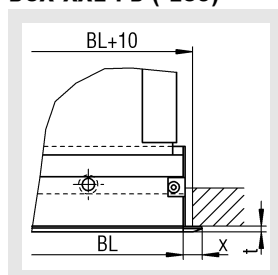


DL = Difference distance  
BL = Length of band  
L = 500/1000/1500 mm

### Detail b, with end pieces DSX-XXL-S (-ES1)



### DSX-XXL-P (-ES2) DSX-XXL-PB (-ES3)



	t (mm)	x (mm)
DSX-XXL-S	-	1
DSX-XXL-P	3	10
DSX-XXL-PB	2,5	16

When the ceiling slot diffuser type DSX-XXL is designed as a band > 2000 mm, the total length BL is assembled from standard lengths L = 1500 mm. The difference pieces <1500 mm to ≥400 mm are fitted with a plenum box. The difference pieces <400 mm are supplied as dummy pieces without plenum box. A different band division is possible after consultation and when required by the customer. Individual sections are connected by using double blades.

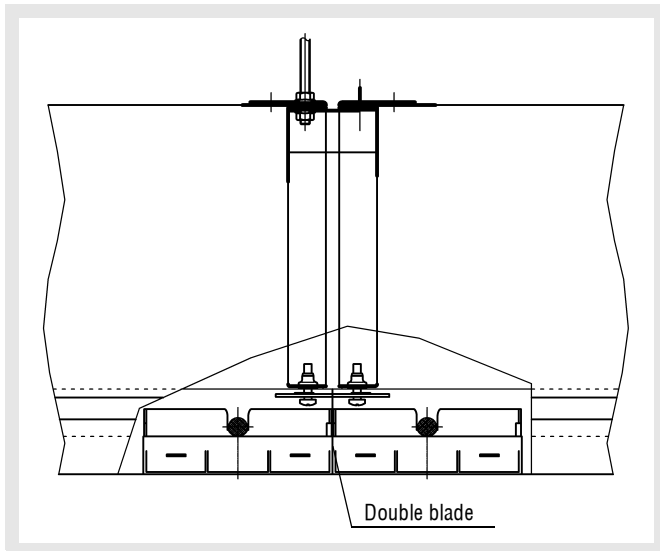


## Ceiling Slot Diffuser DSX-XXL

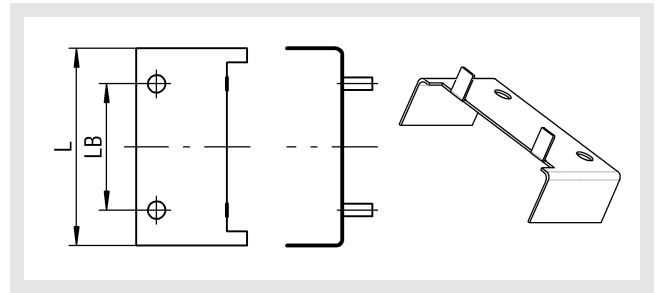
### Connection elements for band design

(supplied loose as standard)

**active - active**



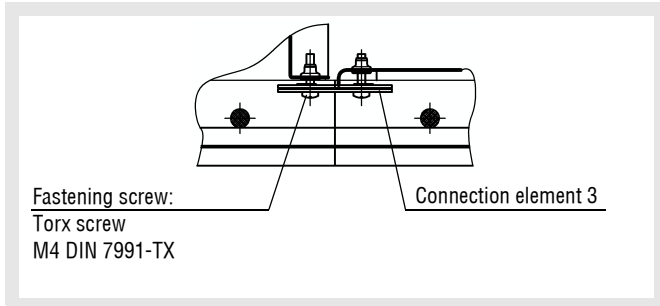
### Detail of connection element 1



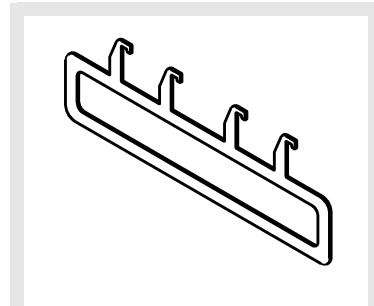
Connection element 1 not possible when diffuser is suspended with riveting nut and band design is used.

	L	LB
<b>DSX-XXL-1</b>	78	50
<b>DSX-XXL-2</b>	78	50
<b>DSX-XXL-3</b>	93	65
<b>DSX-XXL-4</b>	125	97

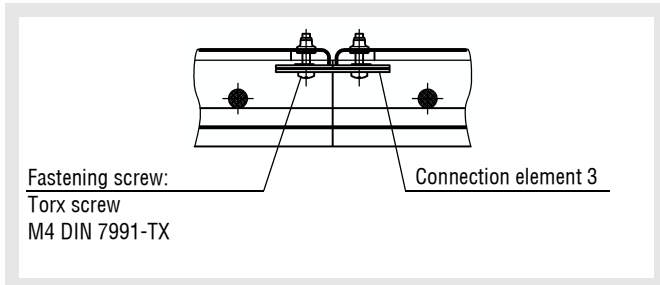
**active - passive**



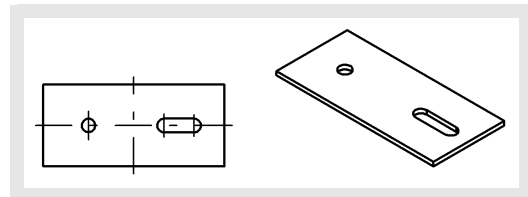
### Mounting handle for double blade



**passive - passive**



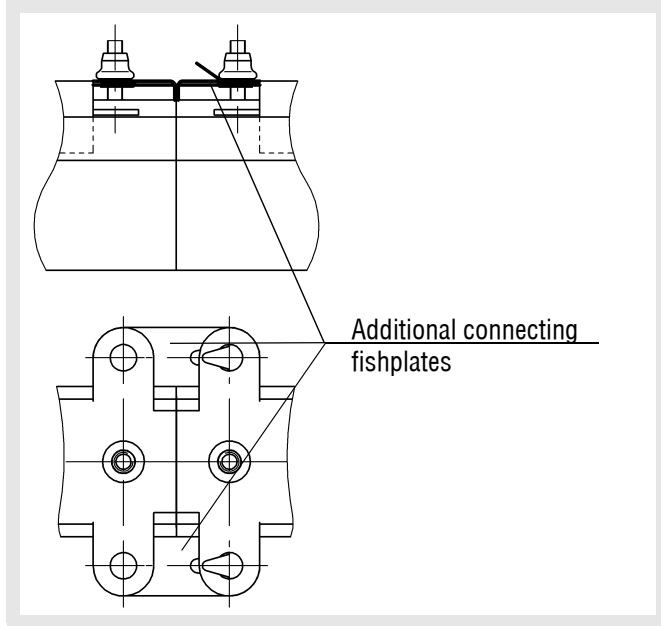
### Detail of connection element 3





## Ceiling Slot Diffuser DSX-XXL

### Band design for operation with overflow air or dummy plates



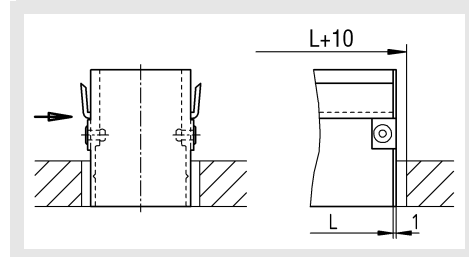
In the band design for operation with overflow air or dummy plates, two additional fishplates are supplied loose, thus only requiring two threaded bars on-site for suspension.

### End piece (-ES1 / -ES2 / -ES3)

To give the impression of a surrounding frame, side end pieces can be installed (for an additional charge).

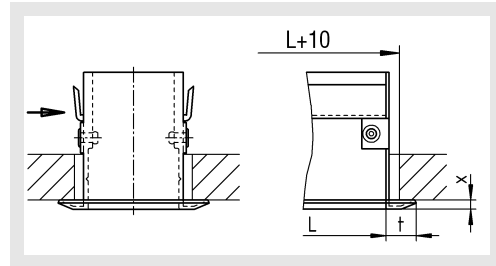
These end pieces are supplied loose as standard. If there are order details regarding fitting, mounting will take place at the factory.

#### for DSX-XXL-S (-ES1)



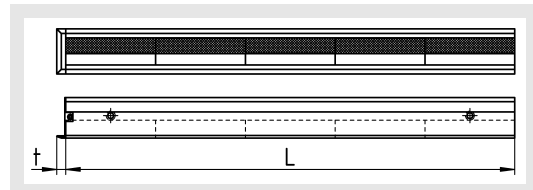
#### for DSX-XXL-P (-ES2)

#### for DSX-XXL-PB (-ES3)

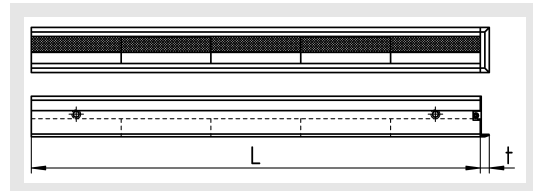


	t (mm)	x (mm)
DSX-XXL-P	10	3
DSX-XXL-PB	16	2,5

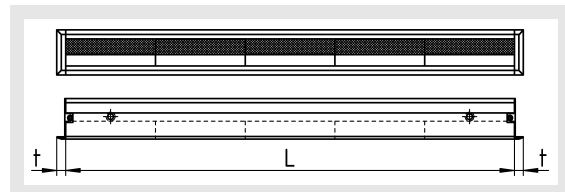
### Mounted on the left



### Mounted on the right



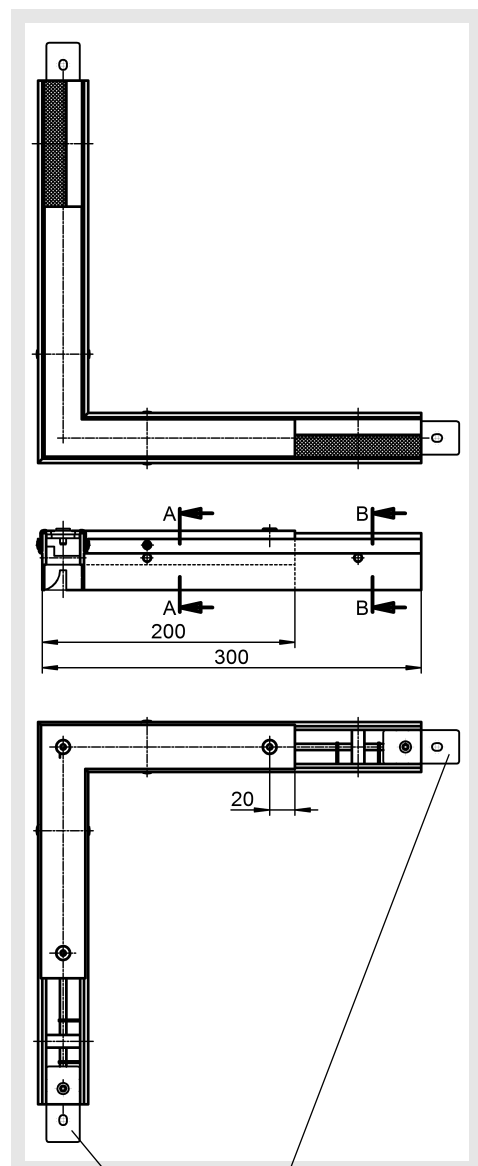
### Mounted on both sides



Please specify when ordering whether end pieces are to be fitted on both sides of the diffuser or on the left or right side.

# Ceiling Slot Diffuser DSX-XXL

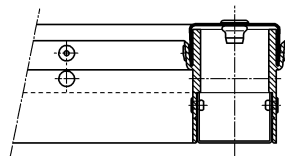
Corner angle (-EW) (1- to 4-slot)



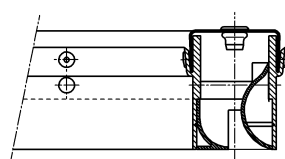
Fishplate firmly screwed for the on-site connection with slot diffuser + double blade loose

## Sections

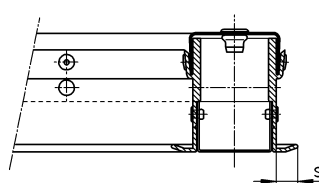
DSX-XXL-S  
A-A



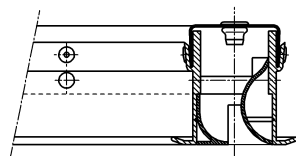
B-B



DSX-XXL-P / DSX-XXL-PB  
A-A



B-B



Corner angles can only be produced as dummy pieces, i.e., without a plenum box. The corner angle has a 90° angle and is 300 mm long. Other angles are available on request

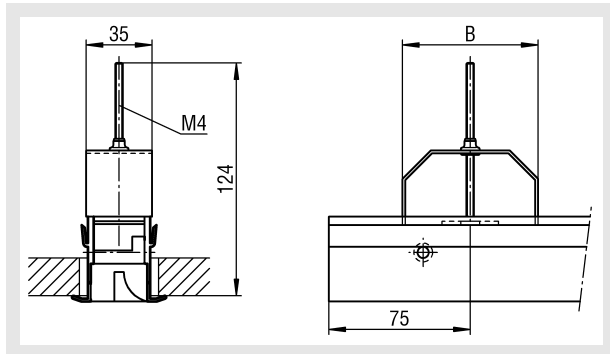
The dummy plate is painted in the colour RAL 9005 (black) or RAL 9010 (white). The corner brackets are supplied loose as standard.

	s (mm)
DSX-XXL-P	8,5
DSX-XXL-PB	14,5

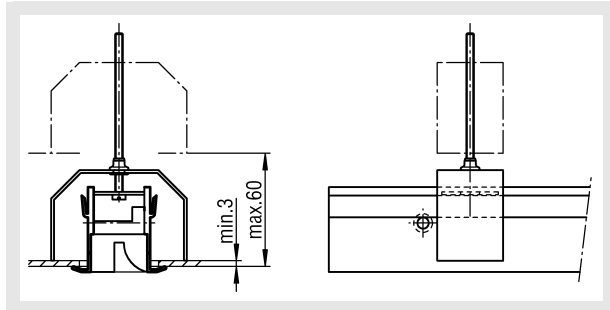
## Ceiling Slot Diffuser DSX-XXL

### Fastening methods

Clamp fastening for DSX-XXL-P und DSX-XXL-PB in mounting position



in clamping position

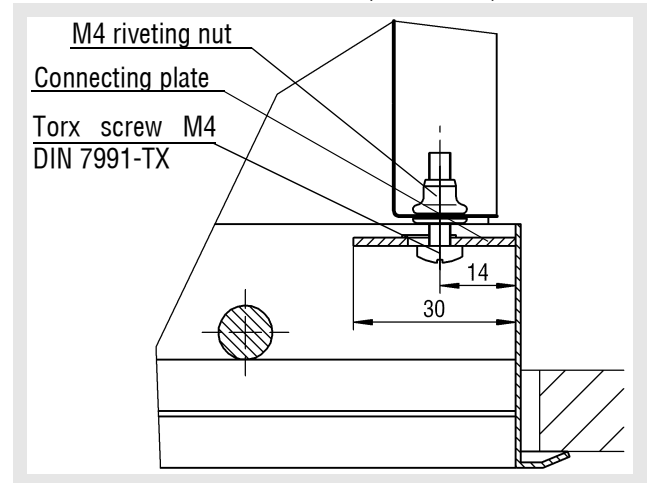


	DSX-XXL-P1 DSX-XXL-PB1	DSX-XXL-P2 DSX-XXL-PB2
B	72	100

### Mounting instructions

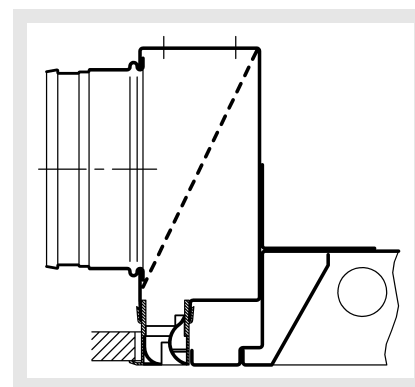
As standard, the clamp straps are delivered loose. Take out the air guide elements at the ends. Fasten the clamp strap with the screw such that it is positioned in the direction of the slot diffuser (see installation position). Then introduce the slot diffuser into the pressure ceiling. Then rotate the clamp strap by about 90° by rotating the screw and lower it over the slot diffuser profile (see clamping position). Tighten the screw until the slot diffuser is firmly locked at the ceiling. Finally, re-insert the air guide elements.

Concealed mounting (-VM) with plenum box  
DSX-XXL-...-1 to DSX-XXL-...-4 (1- to 4-slot)



### Installation

Fitting to air-handling lights



When fitted to air-handling lights, the DSX-XXL-S outside profile is fitted on the mounting side, to achieve a perfectly flush fit. Otherwise the measurements correspond to the standard plenum box.

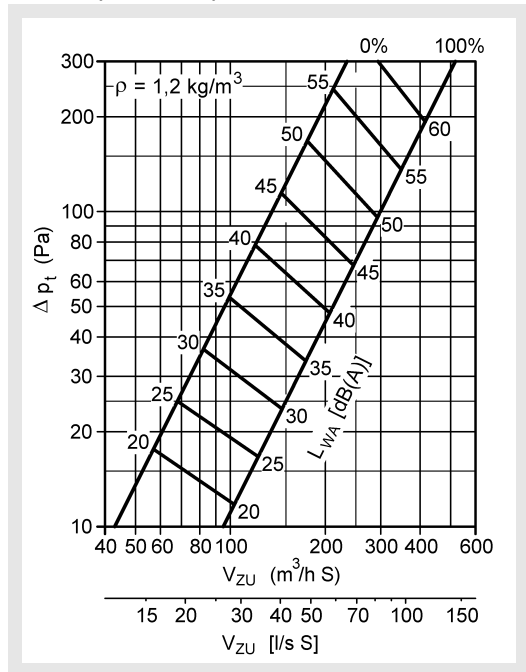
## Ceiling Slot Diffuser DSX-XXL

### Technical data

#### Pressure loss and noise level

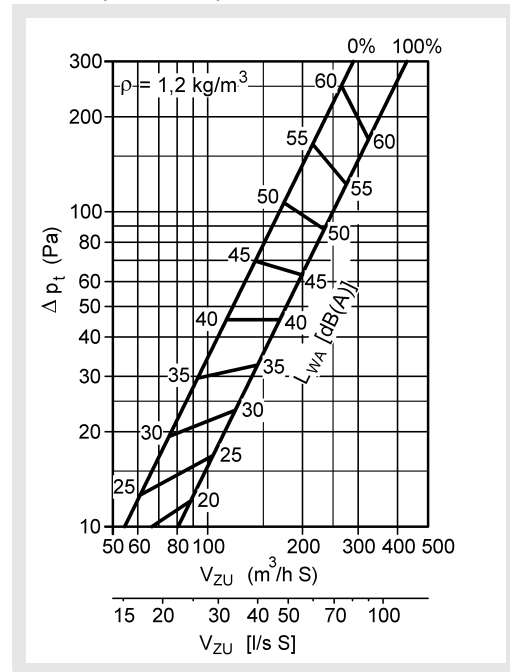
##### DSX-XXL-...1 with ASK

L=1000 (supply air)



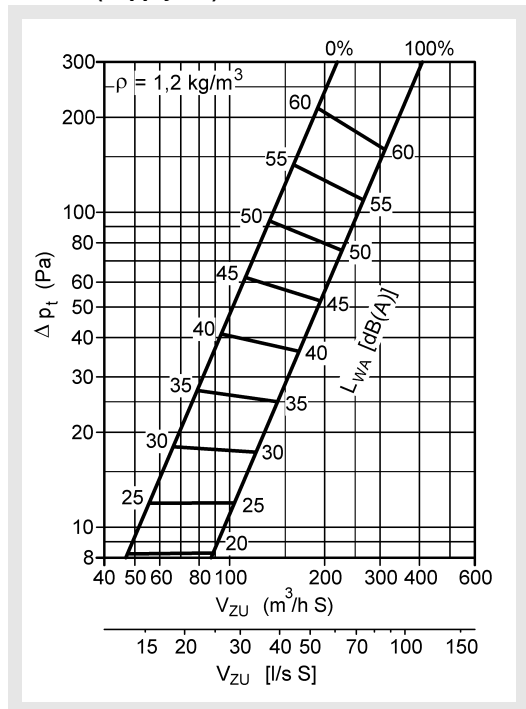
##### DSX-XXL-...2 with ASK

L=1000 (supply air)



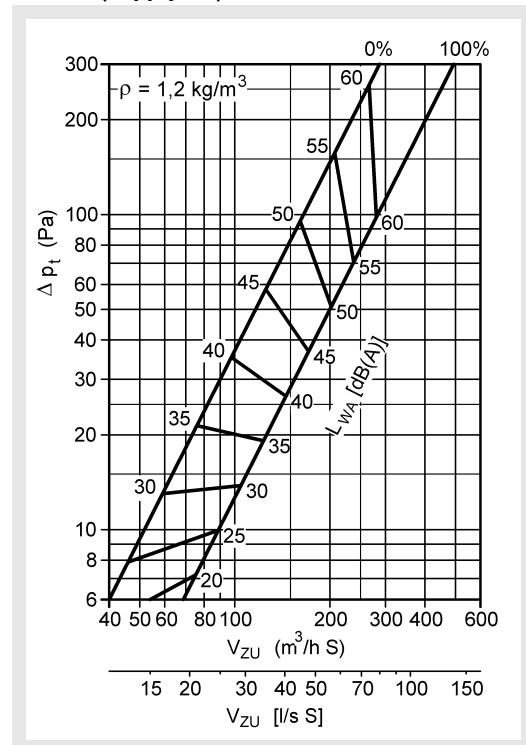
##### DSX-XXL-...3 with ASK

L=1000 (supply air)



##### DSX-XXL-...4 with ASK

L=1000 (supply air)

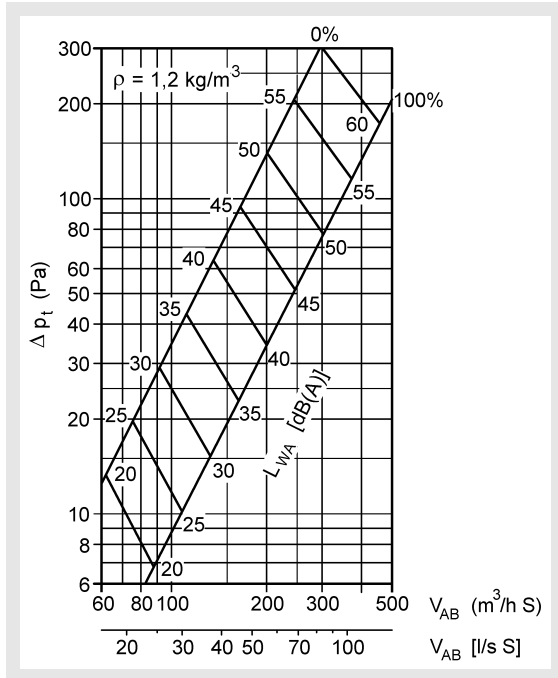


0% = Damper CLOSED

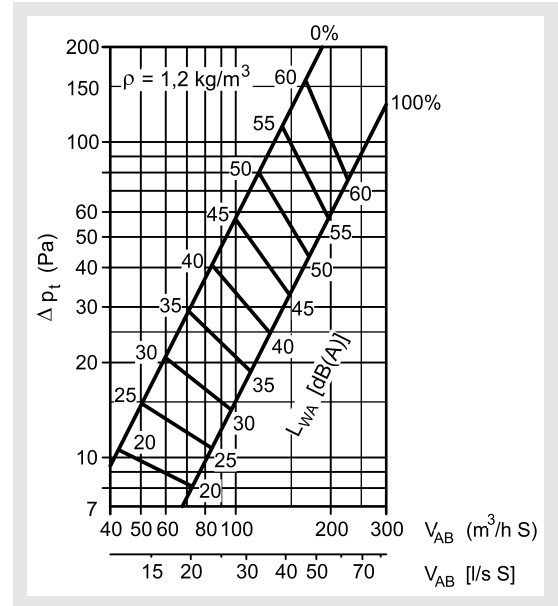
100% = Damper OPEN

## Ceiling Slot Diffuser DSX-XXL

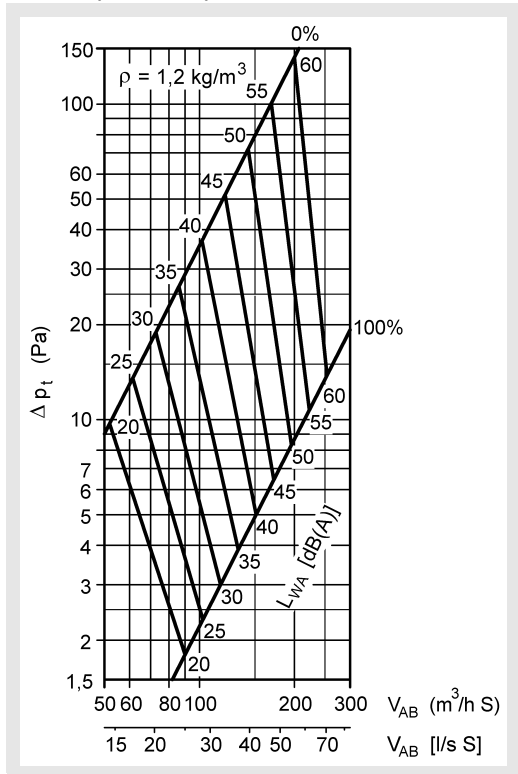
**DSX-XXL-...1 with ASK**  
L=1000 (return air)



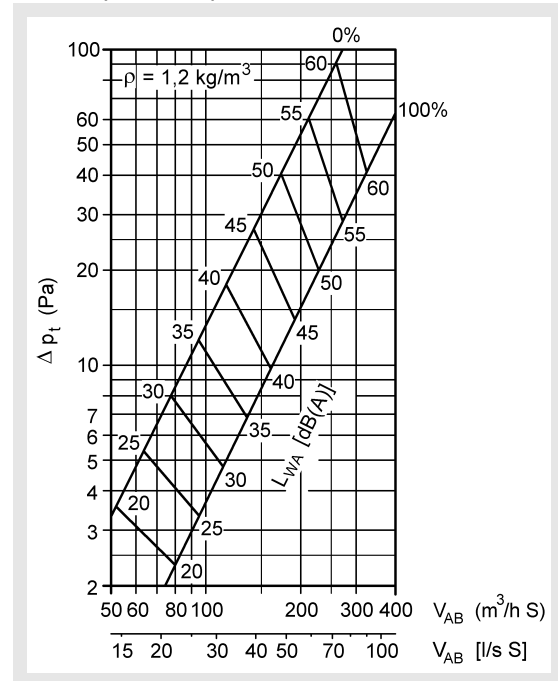
**DSX-XXL-...2 with ASK**  
L=1000 (return air)



**DSX-XXL-...3 with ASK**  
L=1000 (return air)



**DSX-XXL-...4 with ASK**  
L=1000 (return air)



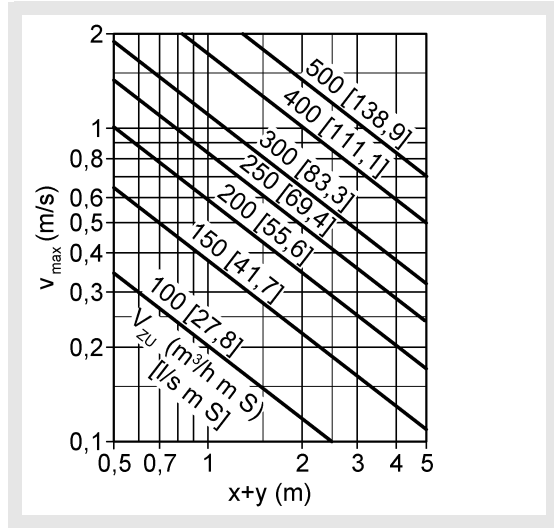
0% = Damper CLOSED  
100% = Damper OPEN

## Ceiling Slot Diffuser DSX-XXL

### Maximum end velocity of jet

DSX-XXL-...-1

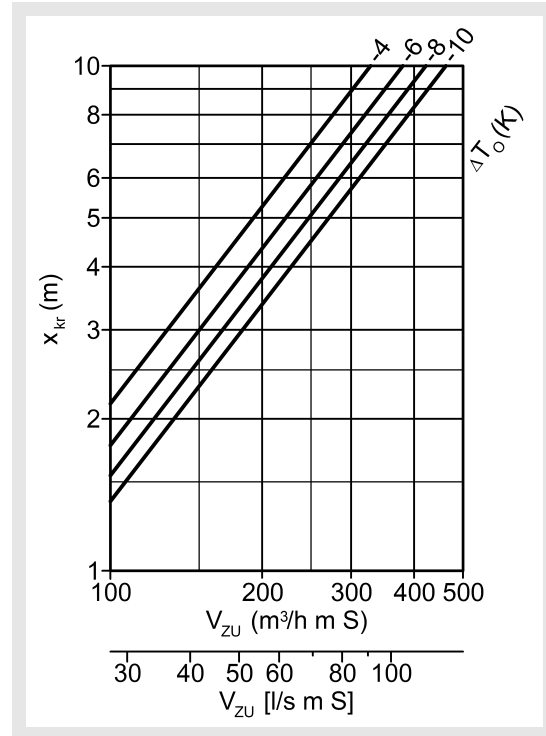
L=1000, one-way throw



DSX-XXL-...-2	one-way throw	$v_{\max} \times 2.00$
DSX-XXL-...-3	one-way throw	$v_{\max} \times 2.31$
DSX-XXL-...-4	one-way throw	$v_{\max} \times 2.96$
DSX-XXL-...-1	two-way throw	$v_{\max} \times 0.82$
DSX-XXL-...-2	two-way throw	$v_{\max} \times 1.70$
DSX-XXL-...-3	two-way throw	$v_{\max} \times 1.91$
DSX-XXL-...-4	two-way throw	$v_{\max} \times 2.32$

DSX-XXL-...-1

L=1000, one-way throw



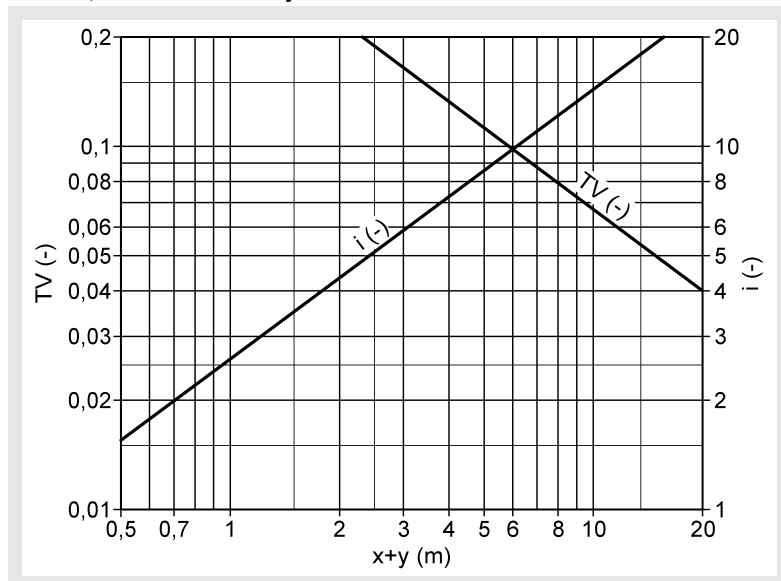
DSX-XXL-...-2	one-way throw	$x_{kr} \times 1.45$
DSX-XXL-...-3	one-way throw	$x_{kr} \times 1.51$
DSX-XXL-...-4	one-way throw	$x_{kr} \times 2.14$
DSX-XXL-...-1	two-way throw	$x_{kr} \times 0.54$
DSX-XXL-...-2	two-way throw	$x_{kr} \times 0.85$
DSX-XXL-...-3	two-way throw	$x_{kr} \times 1.23$
DSX-XXL-...-4	two-way throw	$x_{kr} \times 1.28$

### Critical throw

### Induction ratios and temperature ratios

DSX-XXL-...-1

L=1000, one- and two-way throw



DSX-XXL-...-2	$i \times 0.73$
DSX-XXL-...-2	$TV \times 1.37$
DSX-XXL-...-3	$i \times 0.76$
DSX-XXL-...-3	$TV \times 1.31$
DSX-XXL-...-4	$i \times 0.52$
DSX-XXL-...-4	$TV \times 1.9$



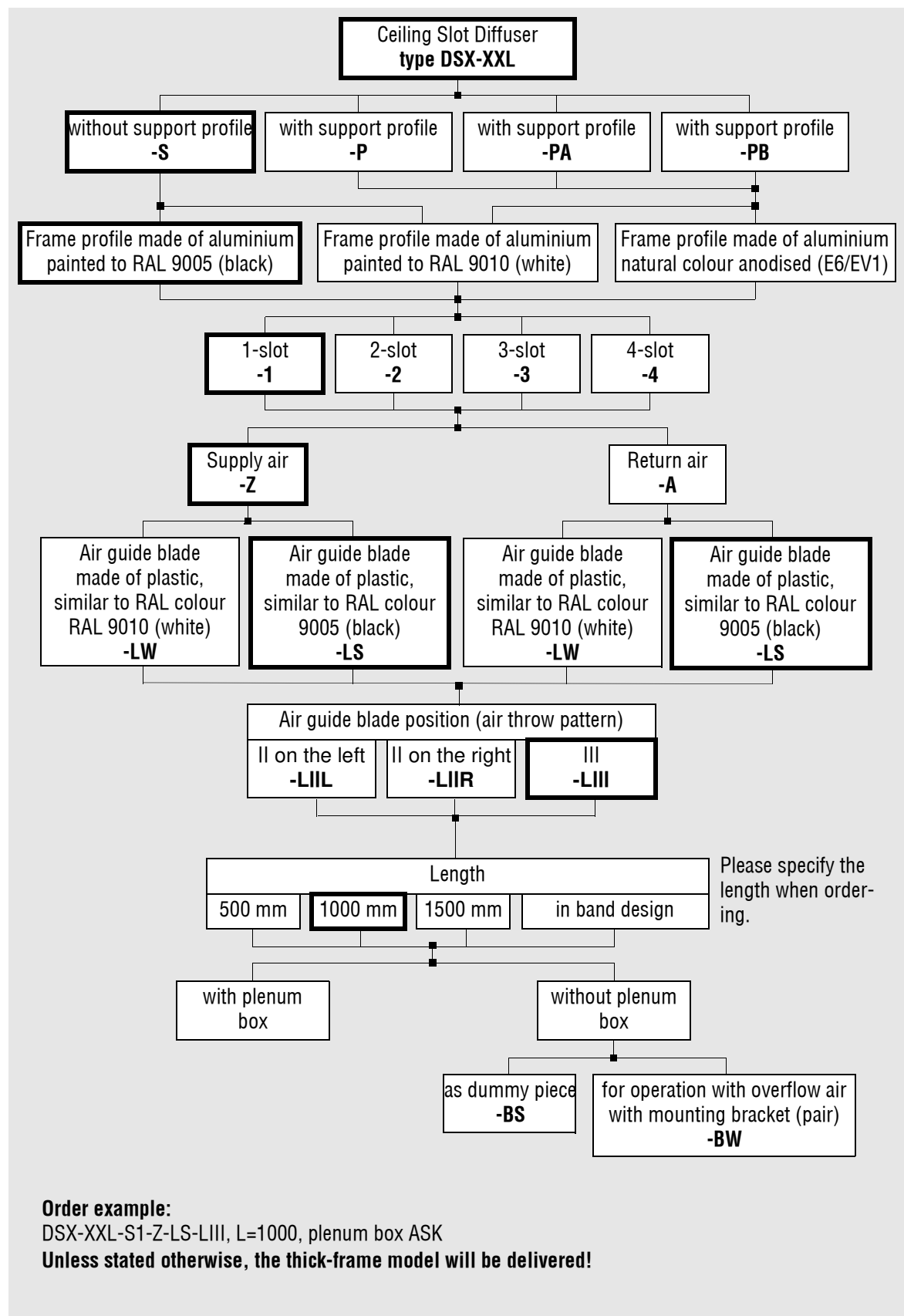
## Ceiling Slot Diffuser DSX-XXL

### Legend

$V_{ZU}$	(m <sup>3</sup> /h S)	= Supply air volume per slot
$V_{ZU}$	[l/s S]	= Supply air volume per slot
$V_{AB}$	(m <sup>3</sup> /h S)	= Return air volume per slot
$V_{AB}$	[l/s S]	= Return air volume per slot
$\Delta p_t$	(Pa)	= Pressure loss
$\rho$	(kg/m <sup>3</sup> )	= Density
$L_{WA}$	[dB(A)]	= A-weighted sound power level
$x_{kr}$	(m)	= Critical throw
$\Delta T_0$	(K)	= Temperature difference between supply air and room temperature ( $\Delta T_0 = t_{ZU} - t_R$ )
$v_{max}$	(m/s)	= Maximum end velocity of jet
$V_x$	(m <sup>3</sup> /h) [l/s]	= total air jet volume at point x
TV	(-)	= Temperature ratio ( $TV = \Delta T_x / \Delta T_0$ )
i	(-)	= Induction ratio ( $i = V_x / V_{ZU}$ )
x	(m)	= horizontal throw
y	(m)	= vertical throw
$t_{ZU}$	(°C)	= Supply air temperature
$t_R$	(°C)	= Room temperature
KL	(mm)	= Length of box
KB	(mm)	= Width of box
KH	(mm)	= height of a plenum box
GH	(mm)	= Total height
L	(mm)	= Length
$\Delta T_x$	(K)	= Temperature difference at point x

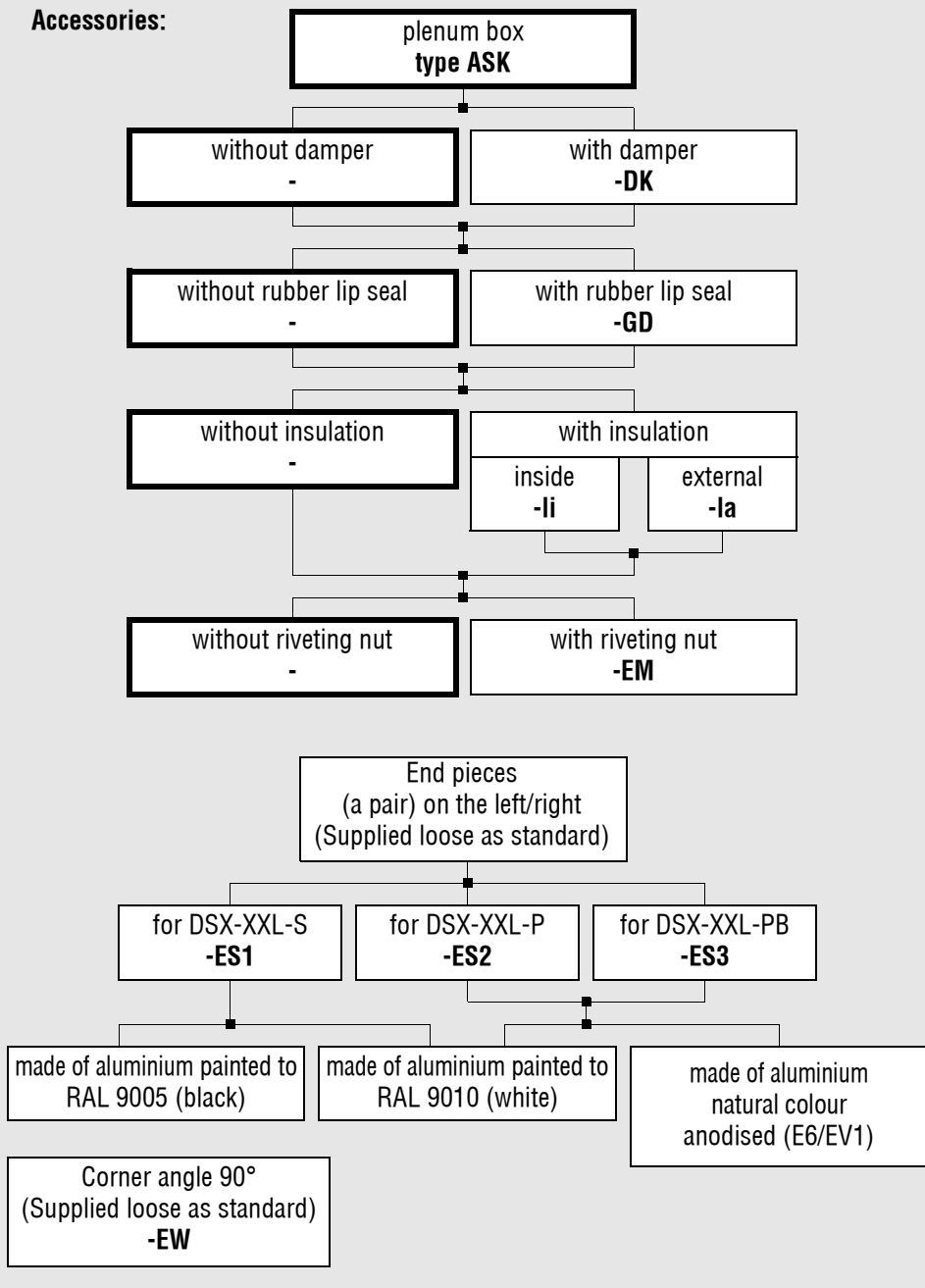
# Ceiling Slot Diffuser DSX-XXL

## Order details



## Ceiling Slot Diffuser DSX-XXL

### Accessories:



# Ceiling Slot Diffuser DSX-XXL

## Specification texts

Ceiling slot diffuser **type DSX-XXL-S**, for supply air, suitable for installation in closed ceiling systems or for invisible installation in the joint of panelled ceilings. Air outflow direction can be adjusted afterwards from below. Noise level and pressure loss remain constant in all air guide blade positions. Slot diffuser consisting of extruded aluminium profile painted in black (RAL 9005) or white (RAL 9010), depending on the colour of the air guide blade.

Air guide element made of plastic, similar to RAL colour

- 9005 (black, -LS) (standard) or
- 9010 (white, -LW)

Volumetric flows in m³/h at:	35 dB(A)	40 dB(A)
DSX-XXL-S-1	172	216
DSX-XXL-S-2	293	344
DSX-XXL-S-3	425	498
DSX-XXL-S-4	492	581

Product: SCHAKO **type DSX-XXL-S-Z**

- Model (number of slots)
  - **1** (1-slot)
  - **2** (2-slot)
  - **3** (3-slot)
  - **4** (4-slot)
- Air guide element position:
  - **L II L**, one-way horizontal throw on the left
  - **L II R**, one-way horizontal throw on the right
  - **L III**, mutual horizontal outflow (standard)
- Length:
  - 500 mm
  - 1000 mm
  - 1500 mm
  - in band design with plenum box (-ASK) and concealed mounting (-VM)
  - Model without plenum box
    - as dummy piece (-BS)
      - with M4 riveting nuts
    - for operation with overflow air with mounting bracket (pair) (-BW)
      - with M4 riveting nuts

- Return air version with air guiding blades

Product: SCHAKO **type DSX-XXL-S-A**

### Accessories:

- with galvanised sheet steel plenum box (-ASK), and lateral connection spigot and fixing lugs.
- with a throttle damper (-DK) in the connection spigot adjustable from the front for air volume regulation.
- with rubber lip seal (-GD)
- with thermal insulation
  - internal (-li)
  - external (-la)
- with M4 riveting nuts
- with end piece (-ES1) (supplied loose as standard), made of painted aluminium
  - RAL 9005 (black) or
  - RAL 9010 (white)
- Corner bracket 90° (-EW) (supplied loose as standard)

## Ceiling Slot Diffuser DSX-XXL

Ceiling slot diffuser **type DSX-XXL-P**, for supply air, with support profile for installation in ceiling panels, suitable for installation in closed ceiling systems. Air outflow direction can be adjusted afterwards from below. Noise level and pressure loss remain constant in all air guide blade positions.

Slot diffuser made of extruded aluminium profiles in natural colour anodised E6/EV1 or painted to RAL 9010 (white).

Air guide element made of plastic, similar to RAL colour

- 9005 (black, -LS) (standard) or
- 9010 (white, -LW)

Volumetric flows in m <sup>3</sup> /h at:	35 dB(A)	40 dB(A):
DSX-XXL-P-1	172	216
DSX-XXL-P-2	293	344
DSX-XXL-P-3	425	498
DSX-XXL-P-4	492	581

Product: SCHAKO **type DSX-XXL-P-Z**

- Model (number of slots)
  - **1** (1-slot)
  - **2** (2-slot)
  - **3** (3-slot)
  - **4** (4-slot)
- Air guide element position:
  - **L II L**, one-way horizontal throw on the left
  - **L II R**, one-way horizontal throw on the right
  - **L III**, alternately horizontal throw (standard)
- Length:
  - 500 mm
  - 1000 mm
  - 1500 mm
- in band design with plenum box (-ASK) and concealed mounting (-VM)
- Model without plenum box
  - as dummy piece (-BS)
    - with M4 riveting nuts
  - for operation with overflow air with mounting bracket (pair) (-BW)
    - with M4 riveting nuts
- Return air version with air guiding blades

Product: SCHAKO **type DSX-XXL-P-A**

### Accessories:

- with galvanised sheet steel plenum box (-ASK), and lateral connection spigot and fixing lugs.
- with a damper (-DK) in the plenum box adjustable on the front side for the air volume control
- with rubber lip seal (-GD)
- with thermal insulation
  - internal (-li)
  - external (-la)
- with M4 riveting nuts
- with end piece (-ES2) (supplied loose as standard)
  - made of anodised natural colour aluminium (E6/EV1)
  - aluminium painted in white (RAL 9010)
- Corner bracket 90° (-EW) (supplied loose as standard)

## Ceiling Slot Diffuser DSX-XXL

Ceiling slot diffuser **type DSX-XXL-PA**, for supply air, with support profile for installation in ceiling panels, suitable for installation in closed ceiling systems. Air outflow direction can be adjusted afterwards from below. Noise level and pressure loss remain constant in all air guide blade positions.

Slot diffuser made of extruded aluminium profiles in natural colour anodised E6/EV1 or painted to RAL 9010 (white).

Air guide element made of plastic, similar to RAL colour

- 9005 (black, -LS) (standard) or
- 9010 (white, -LW)

Volumetric flows in m <sup>3</sup> /h at:	35 dB(A)	40 dB(A):
DSX-XXL-PA-1	172	216
DSX-XXL-PA-2	293	344
DSX-XXL-PA-3	425	498
DSX-XXL-PA-4	492	581

Product: SCHAKO **type DSX-XXL-PA-Z**

- Model (number of slots)
  - **1** (1-slot)
  - **2** (2-slot)
  - **3** (3-slot)
  - **4** (4-slot)
- Air guide element position:
  - **L II L**, one-way horizontal throw on the left
  - **L II R**, one-way horizontal throw on the right
  - **L III**, alternately horizontal throw (standard)
- Length:
  - 500 mm
  - 1000 mm
  - 1500 mm
- in band design with plenum box (-ASK) and concealed mounting (-VM)
- Model without plenum box
  - as dummy piece (-BS)
    - with M4 riveting nuts
  - for operation with overflow air with mounting bracket (pair) (-BW)
    - with M4 riveting nuts

- Return air version with air guiding blades

Product: SCHAKO **type DSX-XXL-PA-A**

### Accessories:

- with galvanised sheet steel plenum box (-ASK), and lateral connection spigot and fixing lugs.
  - with a throttle damper (-DK) in the connection spigot adjustable from the front for air volume regulation.
- with rubber lip seal (-GD)
- with thermal insulation
  - internal (-li)
  - external (-la)
- with M4 riveting nuts
- Corner bracket 90° (-EW) (supplied loose as standard)

## Ceiling Slot Diffuser DSX-XXL

Ceiling slot diffuser **type DSX-XLL-PB**, for supply air, with support profile for installation in ceiling panels, suitable for installation in closed ceiling systems. Air outflow direction can be adjusted afterwards from below. Noise level and pressure loss remain constant in all air guide blade positions.

Slot diffuser made of extruded aluminium profiles in natural colour anodised E6/EV1 or painted to RAL 9010 (white).

Air guide element made of plastic, similar to RAL colour

- 9005 (black, -LS) (standard) or
- 9010 (white, -LW)

Volumetric flows in m³/h at:	35 dB(A)	40 dB(A):
DSX-XXL-PB-1	172	216
DSX-XXL-PB-2	293	344
DSX-XXL-PB-3	425	498
DSX-XXL-PB-4	492	581

Product: SCHAKO **type DSX-XXL-PB-Z**

- Model (number of slots)
    - **1** (1-slot)
    - **2** (2-slot)
    - **3** (3-slot)
    - **4** (4-slot)
  - Air guide element position:
    - **L II L**, one-way horizontal throw on the left
    - **L II R**, one-way horizontal throw on the right
    - **L III** : alternately horizontal throw (standard)
  - Length:
    - 500 mm
    - 1000 mm
    - 1500 mm
    - in band design with plenum box (-ASK) and concealed mounting (-VM)
    - Model without plenum box
      - as dummy piece (-BS)
        - with M4 riveting nuts
      - for operation with overflow air with mounting bracket (pair) (-BW)
        - with M4 riveting nuts
  - Return air version with air guiding blades
- Product: SCHAKO **type DSX-XXL-PB-A**

### Accessories:

- with galvanised sheet steel plenum box (-ASK), and lateral connection spigot and fixing lugs.
- with a throttle damper (-DK) in the connection spigot adjustable from the front for air volume regulation.
- with rubber lip seal (-GD)
- with thermal insulation
  - internal (-li)
  - external (-la)
- with M4 riveting nuts
- with end piece (-ES3) (supplied loose as standard)
  - Natural colour anodised aluminium (E6/EV1)
  - aluminium painted in white (RAL 9010)
- Corner bracket 90° (-EW) (supplied loose as standard)