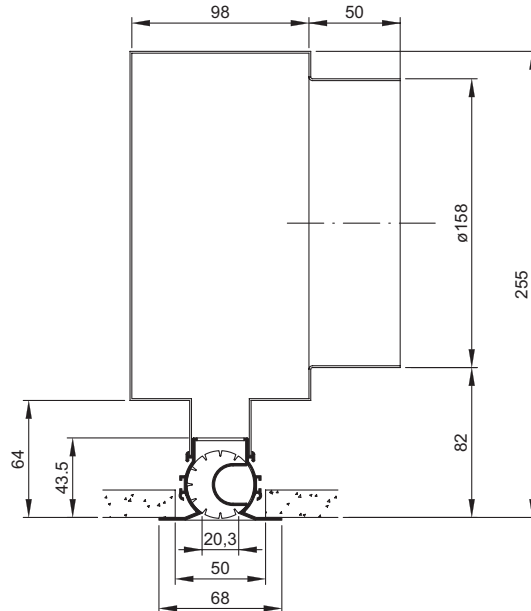


DRUM SLOT DIFFUSER

TYPE: RT500 • RT600

Installation dimensions

RT501 + RP501

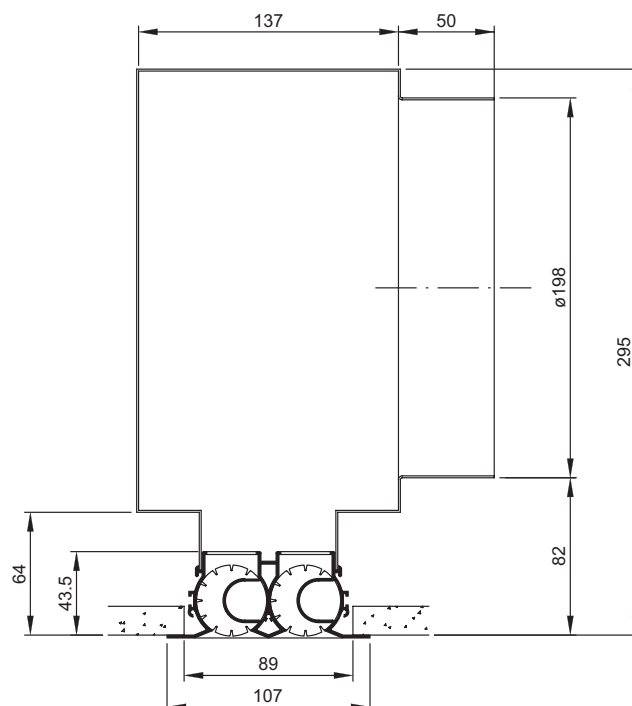
Application

The RT500/RT600 drum slot diffuser is suitable for the supply and exhaust of cooled and warmed air in offices, shops, meeting rooms, etc. The diffuser was designed for ceiling mounting and is available with 1 or 2 slots. Each slot is fitted with air direction elements which can be individually adjusted. These specially developed air direction elements (drums) ensure an ideal and stable air diffusion pattern as well as a low noise level. There is a high level of induction and air stream penetration in the room without any internal turbulence. As a result, the drum slot diffuser is suitable for HVAC applications. All lengths are available for an ideal fit in any ceiling.

Technical information

Characteristics:

- 50 mm wide front diffuser with 1 or 2 air slots
- all lengths available (in 1 mm steps): from 300 mm up to 2000 mm in 1 piece, larger lengths in centre-pieces (length = 1500 mm) and end-pieces which are joined together using connecting pipes
- non-working parts or dummy diffusers with blanked off back
- exhaust: without air nozzles
- supply: one-sided horizontal, two sided horizontal and alternating exhaust pattern possible with the adjustable air nozzles which can be set either in the factory or on site simply by turning
 - alternating horizontally: alternate every 2 air nozzles
 - alternating swirl: alternates at every air nozzle

RT502 + RP502

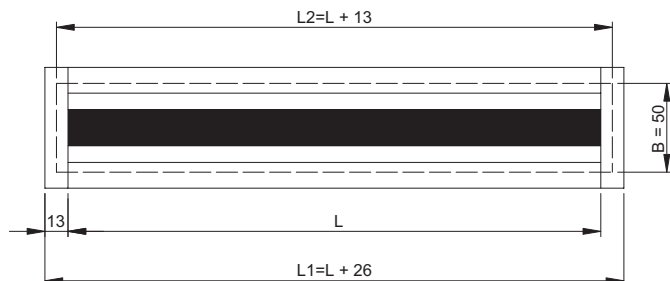
All dimensions in mm

DRUM SLOT DIFFUSER

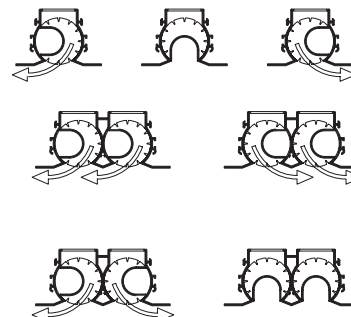
TYPE: RT500 • RT600

RT501

L = slot length (mm), L₂ and B = ceiling opening

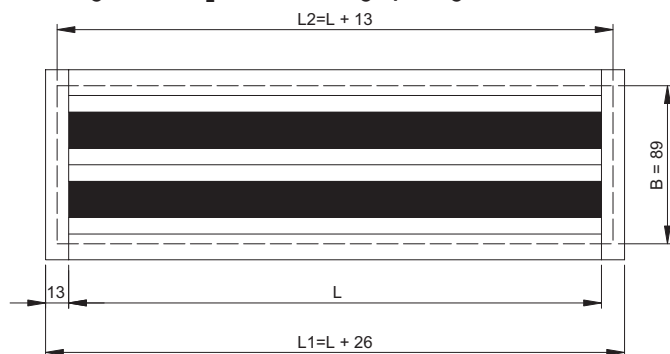


Adjustment possibilities RT501



RT502

L = slot length (mm), L₂ and B = ceiling opening



- length of air nozzle = 150 mm
- 2,6 m < installation height < 4 m
- available with plenum:
 - with or without volume control valve in the inlet, adjustable at the front diffuser
 - up to a length of 1600 mm fitted with one round inlet, over 1600 mm two round inlets
 - optional internal insulation

Construction:

- extruded aluminium, natural tone anodised or painted in a RAL colour
- fitted with black or white ABS plastic air nozzles
- galvanised steel sheet plenum, optional insulation

How to order

RT501 with 1 slot, aluminium anodised, slot length = 1500 mm

R	T	5	0	1	-	F	1	5	0	0	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

slot length (mm)

-: anodised aluminium
F: painted in a RAL-colour

- : slot diffuser in one piece with end caps on both sides

E: end pieces, with one end cap

M: intermediate piece, without end caps

- 501: ceiling opening 50 mm, 1 slot
- 502: ceiling opening 89 mm, 2 slots
- 601: ceiling opening 50 mm with concealed fixing
- 602: ceiling opening 89 mm, 2 slots, with concealed fixing
- 511: dummy diffuser (for R-501), with brackets
- 512: dummy diffuser (for R-502), with brackets
- 611: dummy diffuser (for R-601), with concealed screw fixing
- 612: dummy diffuser (for R-602), with concealed screw fixing

T: supply (black air direction elements)
W: supply (white air direction elements)
A: exhaust (without air direction elements)

Specifications description

Example:

Aluminium line diffuser with 2 outlet slots with adjustable air nozzles. Suitable for ceiling mounting. Delivered complete with fixed plenum with round side connection and volume control valve. Diffuser natural tone anodised with black plastic air nozzles. The plenum is made from galvanised steel sheet.

Type: RT502 + RP512
L = ... mm

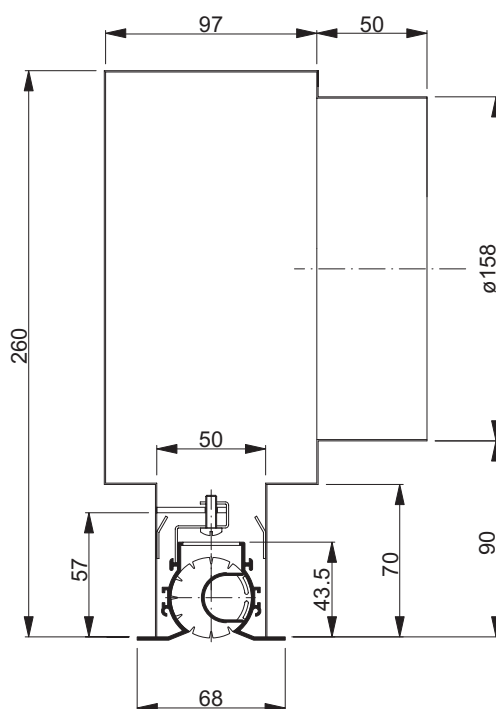
Fixing

- either by a diffuser attached directly to the plenum, either by concealed fixing so that the diffuser can be removed from the plenum

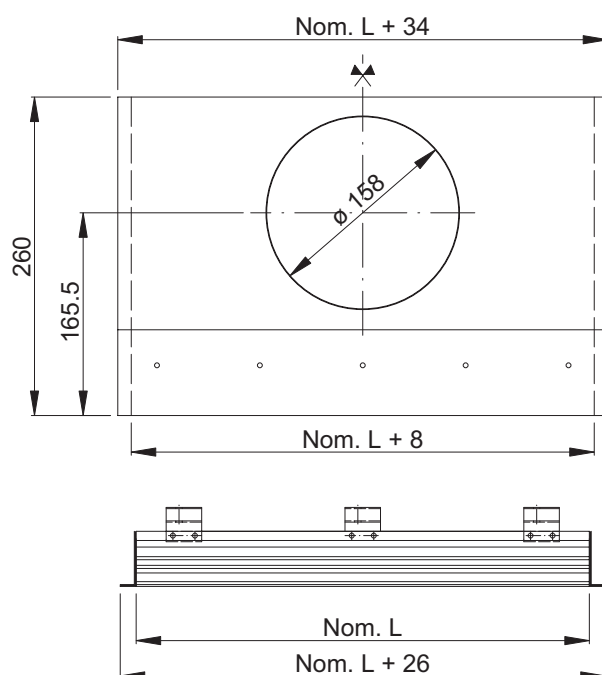
DRUM SLOT DIFFUSER

TYPE: RT600

RT601 + RP601



RT601 + RP601



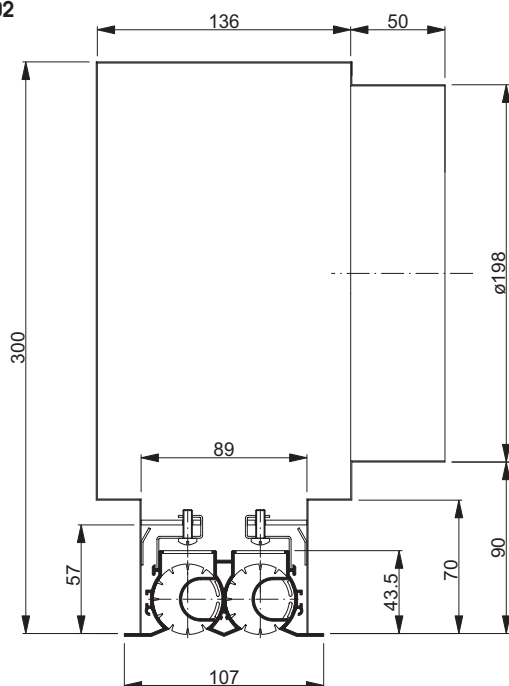
Linear execution:

end pieces + 15 mm

intermediate pieces = nominal dimension

DRUM SLOT DIFFUSER TYPE: RT600

RT602 + RP602

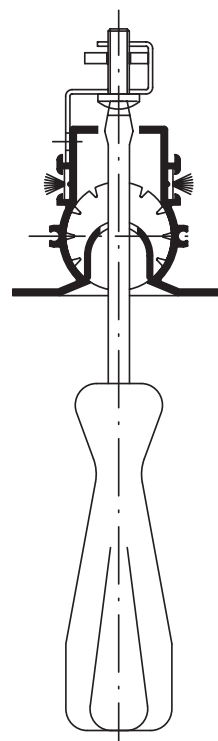
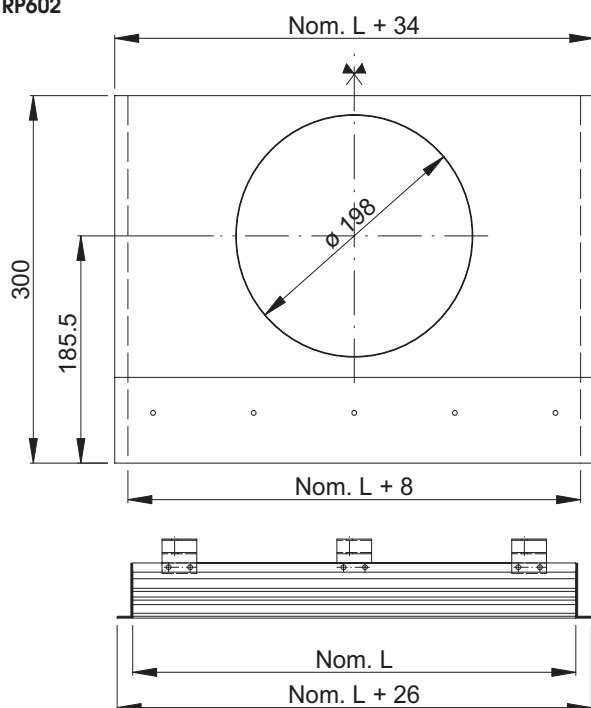


Linear execution:

end pieces + 15 mm

intermediate pieces = nominal dimension

RT602 + RP602



DRUM SLOT DIFFUSER

TYPE: RT501 • RT502 • RT601 • RT602

ONE SLOT

NUMBER OF SLOT DIFF	VOL PER MTR L/S	OUTLET VEL	THROW	PA	NR
1 SLOT	20	2.00	1.7	4.8	15.0
1 SLOT	30	3.00	2.5	10.8	20.0
1 SLOT	35	3.50	2.9	14.7	25.0
1 SLOT	40	4.00	3.3	19.2	30.0
1 SLOT	45	4.50	3.7	24.3	35.0
1 SLOT	55	5.50	4.5	36.3	40.0

TWO SLOT

NUMBER OF SLOT DIFF	VOL PER MTR L/S	OUTLET VEL	THROW	PA	NR
2 SLOT	40	2.00	2.3	4.8	15.0
2 SLOT	55	2.75	3.2	9.1	20.0
2 SLOT	65	3.25	3.8	12.7	25.0
2 SLOT	75	3.75	4.4	16.9	30.0
2 SLOT	85	4.25	5.0	21.7	35.0
2 SLOT	100	5.00	5.8	30.0	40.0