

# GP440T

## SQUARE STEEL SAFETY GRILLE



### VARIANTS

GP440T

The square and firm grille type GP440T is used for the supply and the exhaust of air in prison cells and detention facilities. The grille has rounded edges to avoid unintended injuries. The fixation is especially designed to make removal from the inside of the cell impossible. The locking is secured at the back side of the wall by means of a mounting brackets. Execution in steel, standard finish painted white (RAL9010).

Grille with face out of perforated plate 41% free passage

Frontplate welded to housing

### TECHNICAL INFORMATION

APPLICATION	Type	Supply or exhaust
	Direction	One direction, not adjustable
CONSTRUCTION	Frontplate	Perforations Ø4,5mm, 41% free passage, welded to pipe
	Spigot	Class D spigot with double lip seal
	Max. wall thicknesses	175mm
MATERIAL	Standard material	Painted steel
	Standard finishing	Powder coating RAL9010
	Product finishing options	Powder coating RAL of choice
	Spigot	PP/TPE spigot
MOUNTING	Mounting options	Securing at wall backside by 4 L-shaped profiles

### QUICK SELECTION

Supply Q <sub>v</sub> [m³/h]		L [mm]				
H [mm]	L <sub>w</sub>	150	200	250	300	450
100	25 dB(A)	-	55	-	-	-
	35 dB(A)	-	88	-	-	-
150	25 dB(A)	91	135	-	-	-
	35 dB(A)	142	208	-	-	-
200	25 dB(A)	-	-	229	-	-
	35 dB(A)	-	-	355	-	-
250	25 dB(A)	-	-	226	-	-
	35 dB(A)	-	-	340	-	-
300	25 dB(A)	-	-	-	317	-
	35 dB(A)	-	-	-	489	-
450	25 dB(A)	-	-	-	-	489
	35 dB(A)	-	-	-	-	707

Exhaust Q <sub>v</sub> [m³/h]		L [mm]				
H [mm]	L <sub>w</sub>	150	200	250	300	450
100	25 dB(A)	-	95	-	-	-
	35 dB(A)	-	133	-	-	-
150	25 dB(A)	115	181	-	-	-
	35 dB(A)	172	257	-	-	-
200	25 dB(A)	-	-	265	-	-
	35 dB(A)	-	-	381	-	-
250	25 dB(A)	-	-	280	-	-
	35 dB(A)	-	-	401	-	-
300	25 dB(A)	-	-	-	368	-
	35 dB(A)	-	-	-	547	-
450	25 dB(A)	-	-	-	-	540
	35 dB(A)	-	-	-	-	800

## EFFECTIVE AIR DISCHARGE AREA

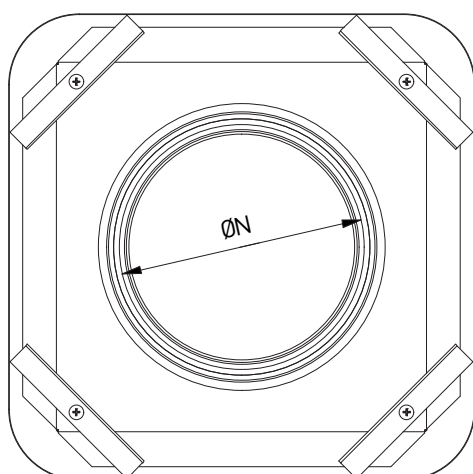
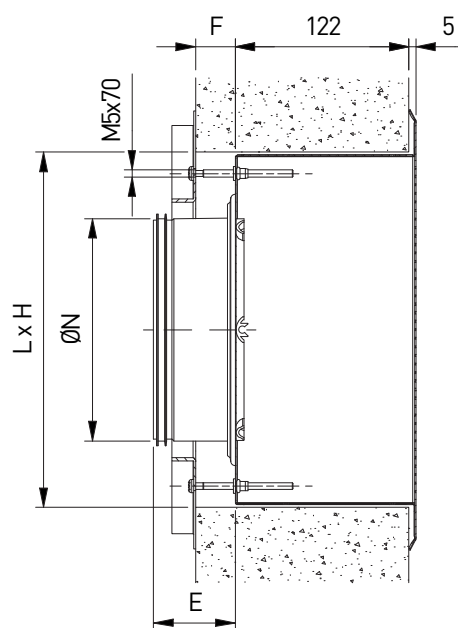
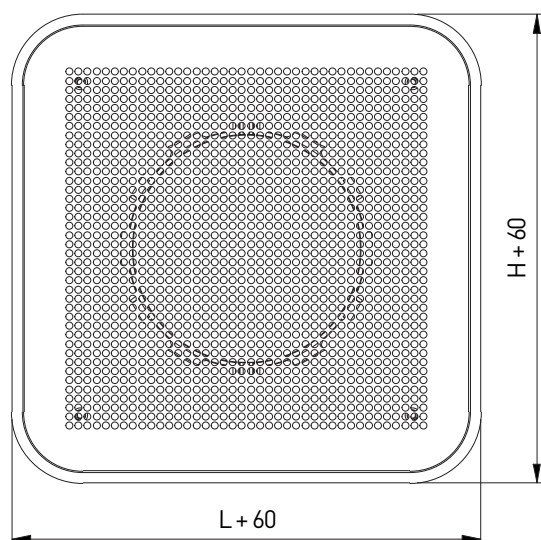
A <sub>r</sub> [m²]	L [mm]				
H [mm]	150	200	250	300	450
100	-	0.0081	-	-	-
150	0.0092	0.0122	-	-	-
200	-	-	0.0204	-	-
250	-	-	0.0254	-	-
300	-	-	-	0.0366	-
450	-	-	-	-	0.0824

## PRODUCT KEY

G	P	4	4	0	-	F	T	-	-	2	5	0	2	5	0
										Nominal length L (mm): From 150 to 450mm per 50mm			Nominal height H (mm): From 100 to 450mm per 50mm		
							T: Top connection								
							F: Coated								

Note: height &lt;= length

## GP440T



## DIMENSIONS

L x H	ØN	E	F
150 x 100	80	52	5-59
150 x 150	100	52	5-59
200 x 100	80	52	5-59
200 x 150	125	58	5-59
200 x 200	160	58	5-59
250 x 100	80	52	5-59
250 x 150	125	58	5-59
250 x 200	160	58	5-59
250 x 250	160	58	5-59
300 x 100	80	52	5-59
300 x 150	125	58	5-59
300 x 200	160	58	5-59
300 x 250	160	58	5-59
300 x 300	200	58	5-59
350 x 100	80	52	5-59
350 x 150	125	58	5-59
350 x 200	160	58	5-59
350 x 250	160	58	5-59
350 x 300	200	58	5-59
350 x 350	250	78	5-59
400 x 100	80	52	5-59
400 x 150	125	58	5-59
400 x 200	160	58	5-59
400 x 250	160	58	5-59
400 x 300	200	58	5-59
400 x 350	250	78	5-59
400 x 400	250	78	5-59
450 x 100	80	52	5-59
450 x 150	125	58	5-59
450 x 200	160	58	5-59
450 x 250	160	58	5-59
450 x 300	200	58	5-59
450 x 350	250	78	5-59
450 x 400	250	78	5-59
450 x 450	250	78	5-59

All dimensions in mm