



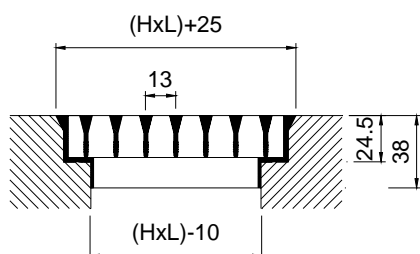
LMT-S linear floor grilles



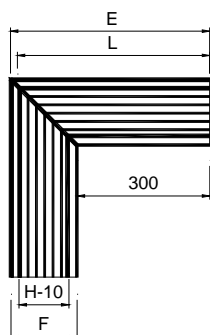
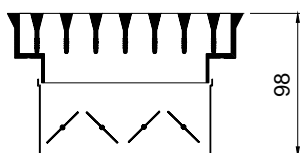
MADEL®

The **LMT-S** series grilles are designed to be installed on the floor. They are suitable for supply or air return and classified K3 (installation in areas with no traffic of vehicles) according to test carried out by a credited independent laboratory, in conformity with the standard EN 1253-2.

LMT-S



LMT-S + SP



H	E	L	F
75	400	387.5	100
100	425	412.5	125
125	450	437.5	150
150	475	462.5	175
200	525	512.5	225
250	575	562.5	275
300	625	612.5	325

CLASSIFICATION

LMT-S Linear floor grille with end borders and fixed bars at 0° for lengths ≤ 2 m.

...-ARI Grille with an end border on the left side, required to form lines > 2m.

...-ARD Grille with an end border on the right side, required to form lines > 2m.

...-INT Grille without end borders, required to form lines > 4m.

MATERIAL

Extruded aluminium grilles.

ADDITIONAL ACCESSORIES

SP Opposed blades volume damper from electro-zinc steel, in black colour. black colour. The damper is operated by an easily accessible key inside the grille.

A90/LMT-S Inactive grille without end borders, making a 90° angle.

FIXING SYSTEMS

1) Hold directly on the floor.

FINISHES

AA Matt silver anodised.

SPECIFICATION TEXT

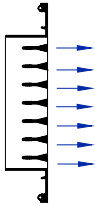
Supply and mounting of linear floor grille with fixed bars at 0° parallels to the largest side series **LMT-S AA dim. LxH**, constructed from aluminium and anodised in matt silver **AA**. Manufacturer **MADEL**.

K3 classification in conformity with the standard EN 1253-2.

LMT-S

FREE FACE AREA m2.

H \ L	150	200	250	300	350	400	450	500	600	700	800	900	1000
75	0,004	0,006	0,007	0,009	0,010	0,012	0,014	0,015	0,019	0,022	0,025	0,028	0,032
100	0,006	0,008	0,010	0,013	0,015	0,017	0,020	0,022	0,027	0,031	0,036	0,041	0,045
150	0,010	0,014	0,018	0,023	0,026	0,030	0,034	0,038	0,046	0,054	0,062	0,070	0,078
200	0,014	0,019	0,025	0,031	0,036	0,041	0,046	0,052	0,063	0,073	0,084	0,095	0,106
250	0,018	0,025	0,031	0,039	0,045	0,052	0,059	0,065	0,079	0,093	0,106	0,120	0,133
300	0,022	0,030	0,038	0,047	0,054	0,063	0,071	0,079	0,095	0,112	0,128	0,145	0,161
350	0,026	0,036	0,046	0,056	0,066	0,076	0,085	0,095	0,115	0,135	0,155	0,174	0,194
400	0,030	0,041	0,052	0,064	0,075	0,086	0,098	0,109	0,131	0,154	0,177	0,199	0,222
450	0,034	0,046	0,059	0,072	0,084	0,097	0,110	0,122	0,148	0,173	0,198	0,224	0,249
500	0,038	0,052	0,066	0,080	0,094	0,108	0,122	0,136	0,164	0,192	0,220	0,249	0,277



RECOMMENDED VELOCITY.

Vmin m/s	Vmax m/s
2	3.5

Determination of air flow.
Measuring the Vf in different points
of the grille, we find the Vfmed.

$$Q \text{ (l/s)} = V_{fmed} \text{ (m/s)} * A_{free} \text{ (m}^2) * 1000$$

$$Q \text{ (m}^3\text{/h)} = V_{fmed} \text{ (m/s)} * A_{free} \text{ (m}^2) * 3600$$

CORRECTION FACTOR FOR Lwa1.

Afree m2	0,01	0,02	0,05	0,1	0,2	0,4
Lwa1(kf)	-9	-6	-3	-	+4	+7

Weighted noise level related to
Afree = 0,1m2.

$$Lwa = Lwa1 + Kf$$

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.

