

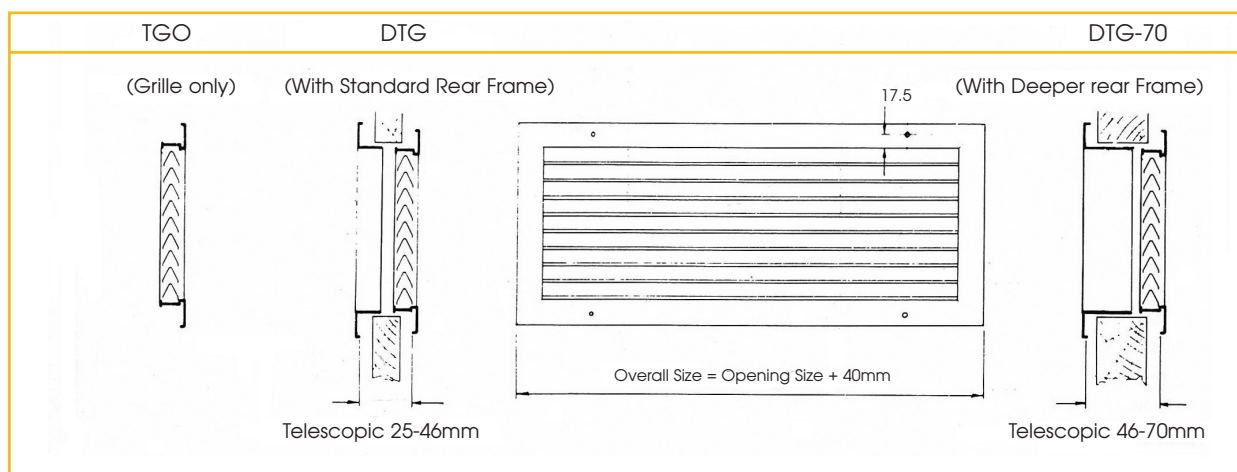
DOOR OR WALL TRANSFER GRILLES

TYPE: DTG • TGO



APPLICATION

DTG - Suitable for installation in doors, walls, partitions or ceilings at high or low level, this attractive robust grille presents a pleasing non-vision appearance where air is to be transferred from one room to another. TGO same in appearance as the DTG but is supplied in A matt black finish and used in pairs for darkroom applications.



Characteristics

Non-vision appearance yet high free area, thereby keeping grille sizes to a minimum.

Models available

DTG - A Telescopic frame, suitable for installation in doors from 25mm to 46mm thick

DTG-70 - A Telescopic frame, suitable for installation in doors from 46mm to 70mm

TGO - Same specification as DTG & DTG-70, painted matt black

Construction

Manufactured in extruded aluminium sections

Finish

Satin Silver Anodised as standard. Can be finished to other RAL or BS colours, please ask for further details

Fixing

Countersunk flange holes complete with screws as standard. Alternative fixings are also available

Sizes

Maximum one piece 1200 x 900
 Minimum size 100 x 100

Accessories

Foam gasket

SURFACE MOUNTED TRANSFER GRILLES

TYPE: SMTG

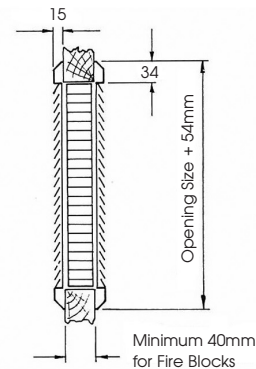
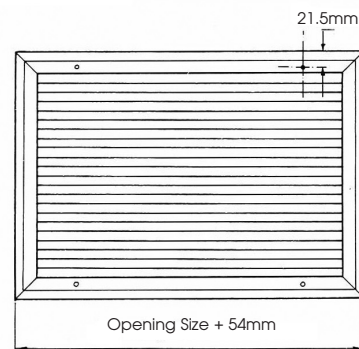
APPLICATION

Specifically designed for surface mounting, this Ultra slim grille (15mm deep) is ideally suited for mounting on doors or partitions where other types of transfer grille are unsuitable.

A typical example would be in association with the Installation of intumescent of thin wall curtain type Fire dampers.



TYPE SMTG-15



Characteristics

Fixed inclined blades, horizontal blades Offer a 'non-vision' appearance to match standard type DTG transfer grille.

Construction

Manufactured in extruded aluminium sections

Finish

Satin Silver Anodised as standard.
Can be finished to other RAL or BS colours, please ask for further details

Fixing

Countersunk flange holes complete with screws as standard.
Alternative fixings are also available

Sizes

Maximum one piece 1200 x 900
Minimum size 100 x 100

Accessories

Foam gasket
Intumescent fire dampers

DOOR OR WALL TRANSFER GRILLES

TYPE: PSG



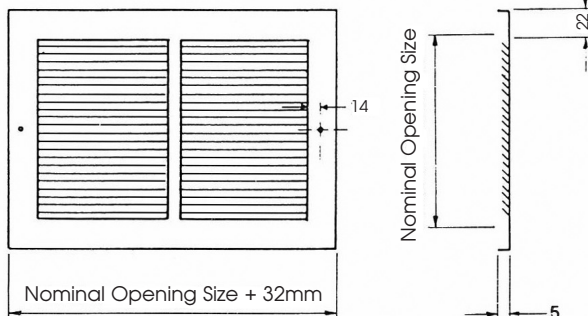
APPLICATION

Designed for surface mounting on doors or partitions
In association with intumescent or thin wall curtain
Fire dampers. The pressed steel construction ensures
A robust but economical product.

TYPE PSG

(Grille only)

(With Standard Rear Frame)



Characteristics

Fixed horizontal inclined blades
Offer a semi 'non-vision'
appearance.

Construction

Manufactured in steel painted.
Stamped form in one piece.

Finish

RAL 9010 white Silver both as
standard RAL or BS colours, please
ask for further details

Fixing

Countersunk flange holes as
standard.
Alternative fixings are also
available

Sizes

Maximum one piece 500 x 500
Minimum size 100 x 100
Larger sizes can be produced to
special order

Accessories

Intumescent fire dampers

DOOR WALL TRANSFER GRILLES

PERFORMANCE DATA TYPE: DTG • TGO • SMTG

TABLE ACORE AREA SELECTION CHART (M²)

Selection Procedure

1. Using the required Volume (M³/sec) select from Table 'A' a core area which will provide a satisfactory noise level and pressure drop.
2. Using this chosen core area refer to Table 'B' to select a grille of suitable size.

Vol (M ³ /Sec)	Core Area	N.C.	Core Area	N.C.	Core Area	N.C.	Core Area	N.C.
.04	.04	-	.032	-	.026	-	.02	18
.06	.06	-	.048	-	.040	-	.030	20
.08	.08	-	.064	-	.053	15	.040	20
.10	.10	-	.080	-	.067	15	.050	22
.12	.12	-	.096	-	.080	15	.060	22
.14	.14	-	.112	-	.093	16	.070	23
.16	.16	-	.128	-	.107	16	.080	23
.18	.18	-	.144	-	.120	17	.090	24
.20	.20	-	.160	14	.133	17	.100	24
.25	.25	-	.200	15	.167	18	.125	25
.30	.30	-	.240	16	.200	19	.150	26
.35	.35	-	.280	16	.233	19	.175	26
.40	.40	-	.320	16	.267	20	.200	29
.45	.45	-	.360	17	.300	21	.225	29
.50	.50	-	.400	17	.333	22	.250	30
.55	.55	-	.440	17	.367	22	.275	30
.60	.60	-	.480	18	.400	23	.300	31
.65	.65	-	.520	18	.433	23	.325	31
.70	.70	-	.560	18	.467	23	.350	31
.75	.75	-	.600	18	.500	24	.375	32
.80	.80	-	.640	18	.533	24	.400	32
.90	.90	-	.720	20	.600	24	.450	33
1.00	1.00	15	.800	20	.667	25	.500	34
Vel (M/S)	1.0		1.25		1.5		2.0	
ΔPs (Pa)	7		11		16		25	

TABLE B TRANSFER SELECTION CHART

WIDTH (mm)	HEIGHT (mm)										
	100	150	200	250	300	350	400	450	500	550	600
100	.006										
150	.009	.016									
200	.013	.024	.030								
250	.017	.031	.040	.050							
300	.021	.036	.049	.062	.080						
350	.028	.042	.057	.071	.095	.110					
400	.032	.048	.065	.088	.108	.126	.144				
450	.036	.055	.079	.099	.122	.142	.162	.190			
500	.040	.062	.088	.112	.135	.158	.180	.212	.230		
550	.045	.068	.097	.124	.149	.173	.200	.233	.260	.284	
600	.049	.074	.106	.135	.162	.189	.226	.254	.282	.310	.338
SELECTED CORE AREA (M ²) (FROM TABLE A)											

DOOR TRANSFER GRILLES

PERFORMANCE DATA TYPE: PSG

TABLE A

CORE AREA SELECTION
CHART (M²)

Selection Procedure

- Using the required Volume (M³/sec) select from Table 'A' a core area which will provide a satisfactory noise level and pressure drop.

Vol (M ³ /Sec)	Core Area	N.C.	Core Area	N.C.	Core Area	N.C.	Core Area	N.C.	Core Area	N.C.	Core Area
.04	.04	-	.027	-	.020	18	.016	22	.013	26	.011
.08	.08	-	.050	14	.040	22	.032	26	.028	30	.023
.06	.06	-	.040	-	.030	20	.024	25	.020	28	.017
.08	.08	-	.050	14	.040	22	.032	26	.028	30	.023
.10	.10	-	.060	18	.050	25	.040	28	.033	32	.029
.12	.12	-	.080	18	.060	25	.048	28	.04	34	.034
.14	.14	-	.093	20	.070	26	.056	30	.047	34	.040
.16	.16	-	.106	20	.080	26	.064	30	.053	35	.046
.18	.18	-	.120	22	.090	28	.072	32	.060	35	.051
.20	.20	15	.133	22	.100	28	.080	32	.067	36	.057
.25	.25	16	.167	24	.125	30	.100	34	.083	38	.071
.30	.30	16	.200	24	1.50	32	.120	35	.100	38	.086
.35	.35	18	.233	25	.175	34	.140	35	.117	40	.100
.40	.40	18	.270	25	.200	34	.160	36	.133	42	.114
.45	.45	20	.30	26	.225	34	.180	36	.150	42	.011
.50	.50	20	.333	26	.25	35	.200	38	.167	44	.14
Vel (M/S)	1.0		1.5		2.0		2.5		3.0		3.5
ΔPs (Pa)	2		5		8		12		20		26

TABLE B

TRANSFER GRILLE
SELECTION CHART

- Using this chosen core area refer to Table 'B' to select a grille of suitable size.

WIDTH (mm)	HEIGHT (mm)								
	100	150	200	250	300	350	400	450	500
100	.006								
150	.009	0.16							
200	.013	.022	.030						
250	.016	.027	.037	.047					
300	.022	.032	.044	.056	.070				
350	.025	.038	.052	.066	.082	.096			
400	.028	.043	.059	.075	.094	.110	.128		
450	.032	.049	.067	.085	.105	.123	.144	.162	
500	.036	.054	.075	.094	.117	.137	.160	.180	.200
SELECTED CORE AREA (M ²) (FROM TABLE A)									