

RA - RETURN AIR GRILLE



RA - Return Air Grille



RARB - Ribbed Blade
Return Air Grille

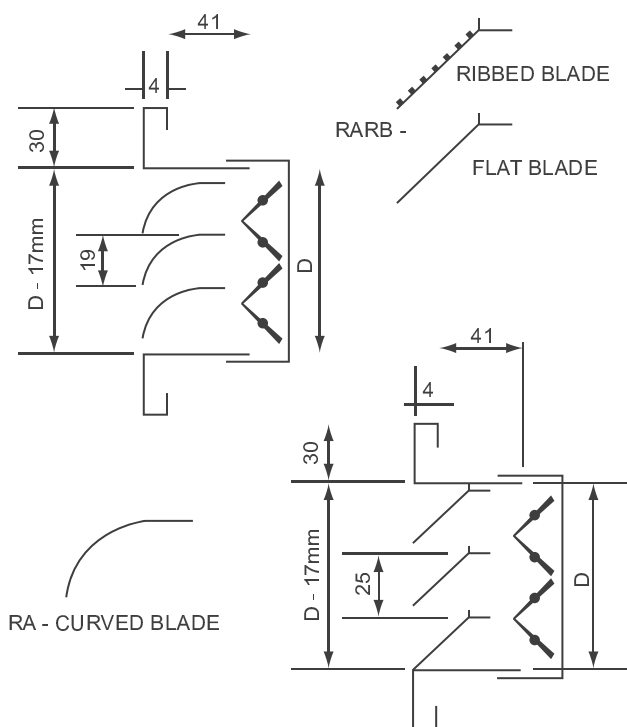
Type RA and RARB Air grilles manufactured of extruded type 50S grade aluminium. The RA with fixed curved blade profile gives low see through characteristics and flat blades for the RARB. RA grilles can be used either vertically or horizontally and RARB grilles are well suited for console air conditioning units.

STANDARD FRAME: 30 mm.

STANDARD FINISH: NATURAL ANODISED ALUMINIUM.

STANDARD SPACING: RA 19 mm.

STANDARD SPACING: RARB 25 mm.



RAFF - GRILLE



RAFF - Return air
filter frame with
hinged door

TYPE RAFF Return air filter frame grilles manufactured of extruded type 50S anodised aluminium. This grille consists of a fixed outer frame and a hinged inner frame with grille core. The filter media is positioned inside the outer frame behind the hinged grille section. The grille section is held closed by hidden clips. A handle is provided for opening the grille section. The grille can be utilised without the rear mounted filter section to provide access to airconditioning plant mounted above ceiling.

STANDARD FRAME: 30 mm.

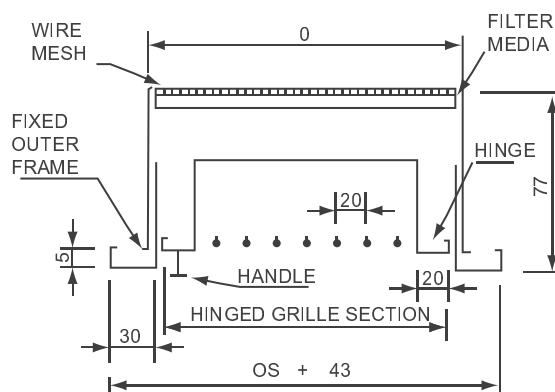
STANDARD FINISH: NA. NATURAL ANODISED ALUMINIUM.

STANDARD GRILLE CORE: SD20 mm spacing.

Different core patterns are available if required

STANDARD FILTER: 6 mm washable synthetic media.

RAHF - As above but excludes filter and filter box.



RETURN AIR GRILLE QUICK SELECTION TABLE

NECK SIZE																			
H		W																	
l/s	500		550		600			800			850	900	950	1050	1150	1200	1250		
	450	600		650	700	750	850	900				1050	1100	1200	1250				
	400		700	750	800	850	950	1000			1100	1150	1200						
	350	800	850	900	950	1050	1150	1250											
	300	950	1000	1050	1100	1250													
	250	1200																	
278	dp	3.5	3																
	dB(A)	<25	<25																
306	dp	4.3	3.8	3.2	3														
	dB(A)	25	<25	<25	<25														
333	dp	5	4.5	4.1	3.5	<3													
	dB(A)	27	26	<25	<25	<25													
361	dp	6	5.2	4.7	4.3	3.5	<3												
	dB(A)	29	28	27	25	<25	<25												
389	dp	7.3	6	5.5	5	4.1	3.2												
	dB(A)	31	29	28	27	<25	<25												
417	dp	8.1	7.3	6.5	5.7	4.7	4.1	3.2											
	dB(A)	33	31	30	29	27	<25	<25											
444	dp	9	8.1	7.7	6.5	5.2	4.5	3.8	3.2										
	dB(A)	34	33	32	30	28	26	<25	<25										
500	dp	12.5	11	9.3	8.3	7	5.7	4.7	4.3	3.5	3								
	dB(A)	38	36	35	33	31	29	27	25	<25	<25								
556	dp	14.5	13	12.5	11	8.5	7.3	6	5.2	4.5	4.1	3.5	3						
	dB(A)	40	39	38	36	34	31	29	28	26	<25	<25	<25						
611	dp	18	16	14	13	11	8.5	7.7	6.5	5.5	4.7	4.3	3.8	3.2	3				
	dB(A)	43	41	40	38	36	34	32	30	28	27	25	<25	<25	<25				
667	dp	21	19	17	15.5	12.7	11	8.5	7.9	6.5	5.7	5	4.5	4.1	3.5	3.2			
	dB(A)	45	43	42	41	38	36	34	32	30	29	27	26	<25	<25	<25			
722	dp	25	23	20	18	15	12.7	11	9	7.9	7	6	5.2	4.7	4.3	3.8			
	dB(A)	47	45	44	43	41	38	36	34	32	31	29	28	27	25	<25			
778	dp	30	26	24	21	17.5	14.5	12.7	11	9	8.1	7.3	6	5.5	5	4.5			
	dB(A)	49	47	46	45	42	40	38	36	34	33	31	29	28	27	26			
833	dp		31	28	24	20	16.5	14	12.7	11	9	8.1	7.3	6.5	5.7	5.2			
	dB(A)		49	48	46	44	42	40	38	36	34	33	31	30	29	28			
903	dp			34	29	24	19.5	16.5	14.5	12.7	11	9.3	8.3	7.9	7	6			
	dB(A)			50	48	46	44	42	40	38	36	35	33	32	31	29			
972	dp					28	23	19.5	16.5	14.5	13	11.5	9.5	8.5	8.1	7.3			
	dB(A)					48	45	44	42	40	38	37	35	34	33	31			
1042	dp					34	27	23	19	16.5	14.5	13	12	10	9	8.3			
	dB(A)					50	47	45	43	42	40	38	37	36	34	33			
1111	dp						31	26	22	19	16.5	15	13	12.5	11	9.3			
	dB(A)						49	47	45	43	42	41	39	38	36	35			
1181	dp							30	25	22	19	16.5	15	13	12.5	11			
	dB(A)							49	46	45	43	42	41	39	38	36			
1250	dp								28	24	21	19	16.5	15	13.5	12.7			
	dB(A)								48	46	45	43	42	41	39	38			
1319	dp									33	28	24	21	18.5	16.5	15	13.5		
	dB(A)									50	48	46	45	43	42	41	39		
1389	dp										31	27	24	21	18.5	16.5	15		
	dB(A)										49	47	46	44	43	42	41		
1528	dp											34	29	25	23	21	18.5		
	dB(A)											50	48	47	45	44	43		
1667	dp													31	28	24	22		
	dB(A)													49	48	46	45		
1806	dp														34	29	26		
	dB(A)														50	48	47		
1944	dp																31		
	dB(A)																49		

RETURN AIR GRILLE QUICK SELECTION TABLE

NECK SIZE																			
l/s	H	W																	
	450	400	350	300	250	200	150	100	400	450	500	550	600	650	700	750	800	850	900
28	dp	12.7																	
	dB(A)	38																	
42	dp	24	5.7																
	dB(A)	46	29																
56	dp		11	4.5															
	dB(A)		36	26															
69	dp		16.5	7.3	4.1														
	dB(A)		42	31	<25														
83	dp		24	11	5.7	3.5													
	dB(A)		46	36	29	<25													
97	dp			14.5	8.1	5	3.2												
	dB(A)			40	33	27	<25												
111	dp			19	11	6.5	4.5	3.2											
	dB(A)			43	36	30	26	<25											
125	dp			24	13.5	8.3	5.7	4.3	3										
	dB(A)			46	39	33	29	25	<25										
139	dp			31	17	11	7.3	5.2	4.1	3									
	dB(A)			49	42	36	31	28	<25	<25									
153	dp			20	13	8.5	6.5	4.7	3.8	3									
	dB(A)			44	38	34	30	27	<25	<25									
167	dp			24	15.5	11	7.9	5.7	4.5	3.5	<3								
	dB(A)			46	41	36	32	29	26	<25	<25								
194	dp				21	14.5	11	8.1	6	5	4.1	3.2							
	dB(A)				45	40	36	33	29	27	<25	<25							
222	dp				28	19	14	11	8.1	6.5	5.2	4.5	3.8	3.2					
	dB(A)				48	43	40	36	33	30	28	26	<25	<25					
250	dp				24	17.5	13.5	11	8.3	7.3	5.7	5	4.3	3.5	3				
	dB(A)				46	42	39	36	33	31	29	27	25	<25	<25				
278	dp					31	22	16.5	13	11	8.5	7.3	6	5.2	4.5	4.1			
	dB(A)					49	45	42	39	36	34	31	29	28	26	<25			
306	dp						27	20	16	13	11	8.5	7.7	6.5	5.5	4.7			
	dB(A)						47	44	41	38	36	34	32	30	28	27			
333	dp						34	24	19	15.5	13	11	8.5	7.9	6.5	5.7			
	dB(A)						50	46	43	41	38	36	34	32	30	29			
361	dp							29	23	18	15	12.7	11	9	7.9	7			
	dB(A)							48	45	43	41	38	36	34	32	31			
389	dp								27	21	17.5	14.5	12.7	11	9	8.1			
	dB(A)								47	45	42	40	38	36	34	33			
417	dp								31	24	20	16.5	14	12.5	11	9			
	dB(A)								49	46	44	42	40	38	36	34			
444	dp									28	23	19	16	14	12.5	11			
	dB(A)									48	45	43	41	40	38	36			
500	dp										30	24	21	17.5	15.5	13.5			
	dB(A)										49	46	44	42	41	39			
556	dp											31	26	22	19	16.5			
	dB(A)											49	47	45	43	42			
611	dp												33	27	24	20			
	dB(A)												50	47	46	44			
667	dp													34	28	24			
	dB(A)													50	48	46			
722	dp															29			
	dB(A)															48			



SD - GRILLE



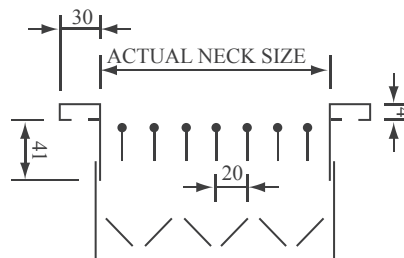
SD - Single Deflection
Grille with adjustable
blades

Type SD grilles manufactured of extruded type 50S anodising grade aluminium with individually adjustable front horizontal and vertical louvres.

STANDARD FRAME: 30 mm.

STANDARD FINISH: NA. NATURAL ANODISED ALUMINIUM.

STANDARD SPACING: 20 mm.

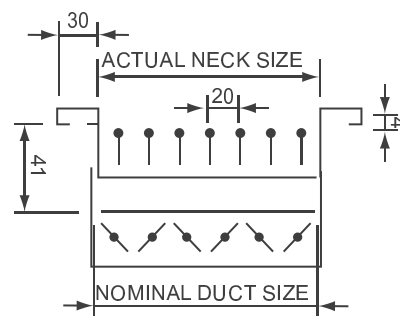


DD - GRILLE



DD - Double Deflection
grille with adjustable
blades.

TYPE DD grilles manufactured of extruded type 50S anodising grade aluminium with individually adjustable front horizontal and rear vertical louvres.



STANDARD FRAME: 30 mm.

STANDARD FINISH: NA. NATURAL ANODISED ALUMINIUM.

STANDARD SPACING: 20 mm.

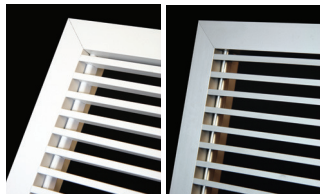
SUPPLY AIR GRILLE QUICK SELECTION TABLE

NECK SIZE																			
H		W																	
l/s	450																	450	
	400																	400	500
	350													350		400	450	500	600
	300									300	350			400	450		500	550	600
	250													500	550	600	650	700	750
	200													600	650	700	750	800	850
	150		150	250	300	400	500	550	650	700	800	850	950	1050	1100	1200	1250		
	100	200	300	400	600	700	850	1000	1150	1250									
41	dp	28	13	5.7	< 4	< 4													
	dB(A)	38	39	< 24	< 24	< 24													
	throw	6	4.5	4.3	3.7	3.2													
55	dp	46	24	10	5.3	< 4	< 4	< 4											
	dB(A)	46	36	26	< 24	< 24	< 24	< 24											
	throw	8.6	6	6.1	7	4.3	4	3.7											
68	dp		36	15	9.3	5.8	< 4	< 4	< 4	< 4									
	dB(A)		42	31	26	< 25	< 24	< 24	< 24	< 24									
	throw		8.4	7.8	6.2	5.3	5	4.6	4.4	4									
82	dp		53	25	14	8.4	5.7	4.2	< 4	< 4	< 4	< 4							
	dB(A)		47	36	29	< 24	< 24	< 24	< 24	< 24	< 24	< 24							
	throw		10.4	9.3	8	6.7	6.2	5.6	5.4	5	5	4.6							
95	dp			32	17	11	7	5.7	4.2	< 4	< 4	< 4	< 4	< 4					
	dB(A)			41	33	26	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24					
	throw			10	9	8	7.3	6.6	6.4	6	5.6	5.4	5.1	4.6					
110	dp			41	24	14	10	7	5.7	4.4	< 4	< 4	< 4	< 4	< 4				
	dB(A)			44	36	31	25	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24				
	throw			12	10	9	8.6	8	7.4	7.1	6.7	6.4	6	5.7	5.4				
124	dp			52	30	20	13	10	7.4	5.7	4.4	< 4	< 4	< 4	< 4	< 4	< 4		
	dB(A)			47	40	34	30	27	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24		
	throw			12	12	10	9.6	9.1	8.4	8.1	7.4	7.1	6.9	6.4	6.1	6	6		
140	dp				36	24	16.4	12.4	9.4	7.4	5.7	4.4	< 4	< 4	< 4	< 4	< 4	< 4	
	dB(A)				42	36	31	27	24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	
	throw				13.4	12	11	10	9.4	8.9	8.1	7.7	7.4	7.2	6.9	6.6	6.4	6	
152	dp				44	28	20	15	11.4	9	7.4	5.7	5	4.3	< 4	< 4	< 4	< 4	< 4
	dB(A)				45	40	34	30	26	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24
	throw				15	13	12	11	10.4	10	9.4	9.1	8.4	8.1	7.6	7.2	7.1	6.6	6.4
165	dp				52	34	24	16	12	11	8.4	7	5.7	5	4.2	< 4	< 4	< 4	< 4
	dB(A)				47	42	36	32	28	25	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24
	throw				15.9	14	13	12	11.4	10.9	10.4	9.8	9.4	9.1	8.8	8.4	8.1	7.7	7.4
195	dp					45	32	25	17	14.4	12	9.4	8	7	5.7	5.1	4.2	< 4	< 4
	dB(A)					45	41	37	33	30	28	26	< 24	< 24	< 24	< 24	< 24	< 24	< 24
	throw					16.4	15	14	13.4	12.3	12	11.4	11	10.4	10	9.7	9.4	8.6	8.4
220	dp					61	43	33	26	18	16	12.5	11	9	8	7	6	5	4.4
	dB(A)					51	46	40	37	33	30	29	25	< 24	< 24	< 24	< 24	< 24	< 24
	throw					19	17	16	15	14.4	14.1	12.9	12.4	12	11.4	11	10.6	10.4	10
250	dp						52	38	32	26	21	16	13	12	10	8.4	7.3	6.2	5.7
	dB(A)						47	43	40	36	34	31	30	26	25	< 24	< 24	< 24	< 24
	throw						19.3	17	16.4	16.1	15.4	14.9	14.4	14	13	13	12.4	12	11.4
276	dp							46	36	31	26	22	16	14.5	12.4	11	9.4	8.4	7.4
	dB(A)							46	42	40	38	35	33	31	29	25	24	< 24	< 24
	throw							19.8	19	17.9	17.4	17	16	15.4	14.4	14.1	13.9	13	12.6
305	dp							57	43	37	30	26	22	17	15	13	12	10	9
	dB(A)							48	47	44	41	38	35	33	32	28	27	25	< 24
	throw							22	20	20	19	18	17	17	16	15.4	15	14.4	14
332	dp								52	43	36	30	26	22	17	16	15	14	12
	dB(A)								48	44	43	41	38	36	34	32	31	28	26
	throw								23.4	21.4	20.4	20	19	18	17	16.4	16	15.4	15
360	dp									47	40	34	28	25	22	17	15	14	12.4
	dB(A)									46	44	41	40	38	36	33	31	30	28
	throw									23	22	21	21	19.8	19	18	17.1	17.1	16.4
390	dp										47	40	34	29	24	22	19	17	15
	dB(A)										46	44	42	38	38	37	33	32	31
	throw										24.8	23	21.6	21	20.4	20.1	19	18.6	18
415	dp														37	31	27	26	21
	dB(A)														43	42	40	37	37
	throw														25.1	24.1	22.4	21.4	21
442	dp															31	29	26	22
	dB(A)															42	40	38	37
	throw															24	22	21	20
498	dp																30	27	26
	dB(A)																40	40	39
	throw																25.1	22.4	21.8

SUPPLY AIR GRILLE QUICK SELECTION TABLE

NECK SIZE																			
H		W																	
1/5	500					500	550			650	700			850		1000		1150	1250
	450		450	500					700	750	800	850	900		1050	1150	1250		
	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200				
	350		600	650	700	750	800		950	1000	1050	1100	1150						
	300	600	700	750	800	900	950	1000	1100	1150									
	250	800	850	950	1050	1150	1200												
	200	1000	1100	1200															
153	dp			<4															
	dB(A)			<25															
	throw			6.2															
167	dp			<4	<4														
	dB(A)			<25	<25														
	throw			6.7	6.5														
194	dp			<4	<4	<4	<4												
	dB(A)			<25	<25	<25	<25												
	throw			8	7.7	7.5	7												
221	dp			<4	<4	<4	<4	<4											
	dB(A)			<25	<25	<25	<25	<25											
	throw			9	9	8.5	8	7.7											
251	dp			<4	<4	<4	<4	<4	<4										
	dB(A)			<25	<25	<25	<25	<25	<25										
	throw			10.5	10	9.7	9	8.8	8.5	8.3									
277	dp			4.5	<4	<4	<4	<4	<4	<4	<4	<4	<4						
	dB(A)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25						
	throw			11.7	11.2	11	10.2	10	9.7	9.5	9.1	8.9							
305	dp			5.8	4.5	4.3	<4	<4	<4	<4	<4	<4	<4						
	dB(A)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25						
	throw			13	12.5	12	11.5	11.2	10.8	10.3	10	9.7	9.5						
332	dp			7	5.8	5	4.3	<4	<4	<4	<4	<4	<4	<4					
	dB(A)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25					
	throw			14	13.5	13	12.5	12.2	11.8	11.3	11	10.8	10.3	10					
360	dp			8.5	7	5.8	5	4.3	<4	<4	<4	<4	<4	<4	<4				
	dB(A)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25				
	throw			15.5	15	14.5	13.7	13.3	13	12.5	12	11.7	11.5	11	10.3				
390	dp			9.5	8	7	5.8	5	4.3	<4	<4	<4	<4	<4	<4	<4			
	dB(A)			25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25			
	throw			16.5	16	15.5	14.7	14.1	14	13.4	12.9	12.5	12.2	12	11.2	11			
416	dp			11.5	9.5	8	7	5.7	5	4.4	<4	<4	<4	<4	<4	<4			
	dB(A)			27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25			
	throw			17.7	17	16.4	16	15.4	15	14.4	14	13.4	13	12.4	12	11.4			
445	dp			12.5	11	9	8	7	5.7	5.3	4.4	<4	<4	<4	<4	<4	<4		
	dB(A)			28	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
	throw			18.4	18	17	16.4	16	15.6	15.1	14.4	14.1	14	13.1	12.4	12	11.7		
501	dp			16	14	12	10	8.5	7.5	6.3	5.8	5	4.5	<4	<4	<4	<4	<4	<4
	dB(A)			32	30	27	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw			21	20	19	18.1	17.4	17.1	16.7	16	16	15.5	15	14.1	14	13	12.4	12
555	dp	30	25	21	16	14.5	12.5	11	9.5	8.5	7.5	6.3	5.8	4.5	<4	<4	<4	<4	<4
	dB(A)	41	37	35	32	30	28	26	25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	24	24	22	21	22	21	20	19.5	19	18	17.2	17	16.5	16	15.5	14.7	14	13.4
610	dp					16.5	15	13	11.5	10	9	8	7.5	5.8	5	4.2	<4	<4	<4
	dB(A)					31	30	29	27	26	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw					24	23	22	21	20.4	20	19.4	19	18.4	17.4	17	16	15.4	15
668	dp							15	14	12	11	9.5	8.5	7	5.7	5	4.2	<4	<4
	dB(A)							31	30	27	26	25	<25	<25	<25	<25	<25	<25	<25
	throw							25	24	22.4	22	21.4	21	20	19	18.4	17.4	17	16.4
721	dp										12.4	11.4	10	8.4	7	5.7	5	4.3	<4
	dB(A)										28	27	26	<25	<25	<25	<25	<25	<25
	throw										25	24	23	22	21	20.4	19.4	18.4	17.4
776	dp													9.5	8	7	5.8	5	4.2
	dB(A)													25	<25	<25	<25	<25	<25
	throw													24	23	22	21	20	19
830	dp														9.4	8	7	5.7	5
	dB(A)														25	<25	<25	<25	<25
	throw														25	24	22.4	22	21
902	dp																8	7	5.7
	dB(A)																<25	<25	<25
	throw																25	24	22.4
971	dp																		7
	dB(A)																		<25
	throw																		25

SGS - SGT - GRILLE



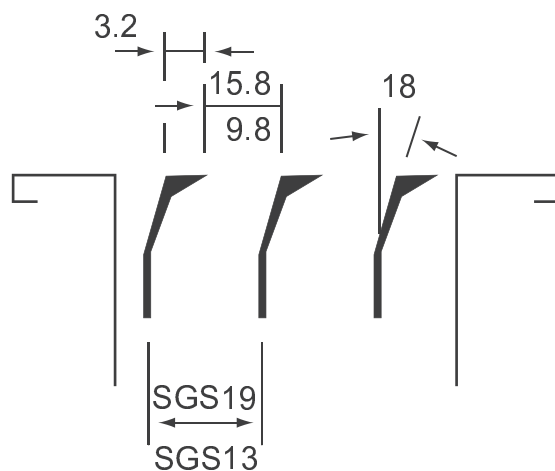
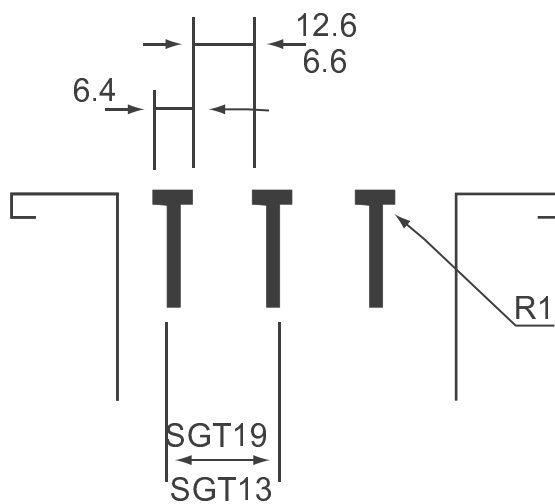
Type SGS and SGT Strip grilles manufactured of extruded type 50S anodising grade aluminium with fixed blades. These grilles can be used either vertically or horizontally. They can be used as Supply or Return air grilles and also for FANCOIL and INDUCTION units, and can incorporate access flaps.

SGS & SGT - Strip grilles with fixed blades.

STANDARD FRAME: 30 mm.

STANDARD FINISH: NATURAL ANODISED ALUMINIUM.

STANDARD BLADE SPACING: 13 mm and 19 mm.



DG - GRILLE

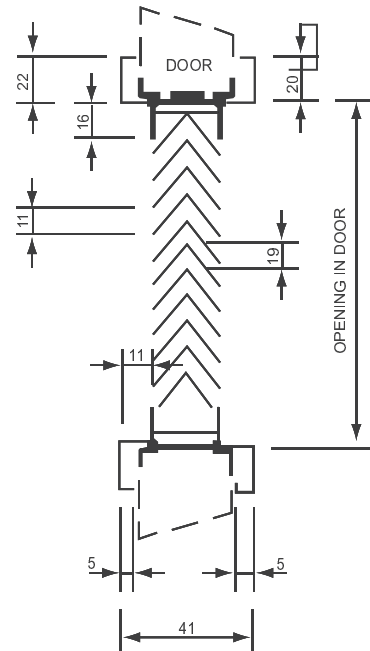


DG - Fixed blade door grille

Type DG Door grilles complete with telescopic back frame manufactured of extruded type 50S anodised aluminium. Grilles have fixed horizontal chevron louvres.

STANDARD FRAME: 29P 22 mm.

STANDARD FINISH: NA. Natural anodised aluminium. Also available painted or colour anodised. Can be supplied with "punched-counter-sunk" frames. Door thickness to be advised

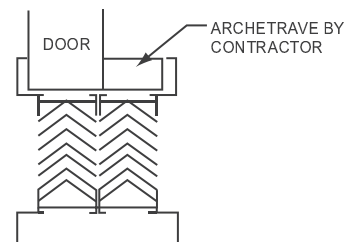


DG - DR - GRILLE



DG - DR - Grilles

Type DG - DR Door grilles without telescopic back frame manufactured of anodising grade aluminium. These grilles have fixed horizontal chevron louvres. For darkrooms and other areas where light sensitivity is critical, the type DG - DR is recommended. Refer Ref: Type DG - 01 for more information.



DOOR GRILLE QUICK SELECTION TABLE

NECK SIZE																					
H		W																			
l/s	400															400				550	600
	350											350				450			550	650	700
	300								300	350				450	500			600	650	750	850
	250					250										700	750	800	850	950	1050
	200				250	300	350	400		550	600	650	700			850	900	950	1000		1200
	150	150	200	300	400	450	550	650	750	850	950	1050	1150	1200							
	100	200	300	400	550	700	850	1000	1150	1250											
28	dp	49	23	10.5	<6	<6															
	dB(A)	50	43	35	29	22															
42	dp		54	23	13	8.3	<6	<6	<6												
	dB(A)		51	43	37	33	29	26	22												
56	dp		94	40	23	14	10.5	7.3	<6	<6	<6	<6									
	dB(A)		57	48	43	38	35	32	29	26	24	22									
69	dp			63	36	23	15	12	8.3	6.5	<6	<6	<6								
	dB(A)			53	47	43	39	36	33	31	29	27	26	24	22						
83	dp			94	51	32	23	16.5	13	10.5	8.3	6.5	<6	<6	<6	<6	<6	<6			
	dB(A)			57	72	46	43	40	37	35	33	31	29	27	26	24	22	22			
97	dp				54	46	30	23	16.5	14	10.5	9.3	7.3	6.5	<6	<6	<6	<6	<6	<6	
	dB(A)				94	50	46	43	40	38	35	34	32	31	29	27	26	24	24	22	
112	dp					58	40	30	23	18	14	12	10.5	8.3	7.3	6.5	<6	<6	<6	<6	<6
	dB(A)					52	48	46	43	40	38	36	35	33	32	31	29	27	26	24	22
125	dp					75	54	38	29	23	18	15	13	10.5	9.3	8.3	7.3	6.5	<6	<6	<6
	dB(A)					54	51	48	45	43	40	39	37	35	34	33	32	31	29	27	24
139	dp					94	63	49	36	29	23	18	15	13	12	10.5	8.3	7.3	6.5	<6	<6
	dB(A)					57	53	50	47	45	43	40	39	37	36	35	33	32	31	29	27
153	dp						78	58	43	34	29	23	18	16.5	14	12	10.5	9.3	8.3	6.5	<6
	dB(A)						55	52	49	47	45	43	40	40	38	36	35	34	33	31	30
167	dp						94	69	54	40	32	27	23	19.5	16.5	14	13	12	10.5	8.3	6.5
	dB(A)						57	54	51	48	46	45	43	41	40	38	37	36	35	33	31
194	dp							94	72	56	46	36	30	27	23	19.5	16.5	15	14	10.5	9.3
	dB(A)							57	54	51	50	47	46	45	43	41	40	39	38	35	34
223	dp								94	72	58	49	40	34	30	27	23	19.5	18	14	12
	dB(A)								57	54	52	50	48	47	46	45	43	41	40	38	36
250	dp									94	75	61	54	43	38	32	29	25	23	18	15
	dB(A)									57	54	52	51	49	48	46	45	44	43	40	39
278	dp										94	78	63	56	49	40	36	32	26	23	18
	dB(A)										57	55	53	51	50	48	47	46	45	43	40
306	dp											94	78	66	58	51	43	38	34	29	23
	dB(A)											57	55	53	52	51	49	48	47	45	43
334	dp												94	78	69	58	54	46	40	32	27
	dB(A)												57	55	54	52	51	50	48	46	45
361	dp													94	82	69	61	54	49	38	32
	dB(A)													57	55	54	52	51	50	48	46
389	dp														94	82	72	63	56	46	36
	dB(A)														57	55	54	53	51	50	47
417	dp															94	82	72	63	54	43
	dB(A)															57	55	54	53	51	49
445	dp																94	82	72	58	49
	dB(A)																57	55	54	52	50
500	dp																		94	75	61
	dB(A)																		57	54	52
556	dp																			94	78
	dB(A)																			57	55
611	dp																				94
	dB(A)																				57

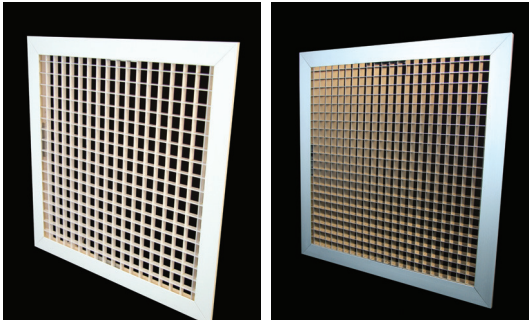
EXTERNAL WEATHER LOUVRE TECHNICAL DATA

FACE VELOCITY (m/s)	INLET		EXHAUST	
	pa	dB(A)	pa	dB(A)
0.50	2	<30	2	<30
0.75	4	<30	3	<30
1.00	6	<30	5	30
1.25	9	31	8	32
1.50	13	34	11	35
1.75	18	37	14	38
2.00	23	39	18	40
2.25	29	41	23	42
2.50	35	44	28	45
2.75	42	46	33	47
3.00	50	49	39	50
3.25	58	51	46	52
3.50	67	54	53	55
3.75	77	56	60	57
4.00	87	58	68	59
4.25	98	59	77	60
4.50	110	61	86	62
4.75	122	63	95	64
5.00	135	65	105	>65
5.25	149	>65	116	>65
5.50	163	>65	127	>65
5.75	178	>65	138	>65
6.00	193	>65	150	>65
6.25	209	>65	163	>65
6.50	226	>65	176	>65
6.75	244	>65	189	>65
7.00	262	>65	203	>65

Details subject to change without prior notice

EGG CRATE GRILLE

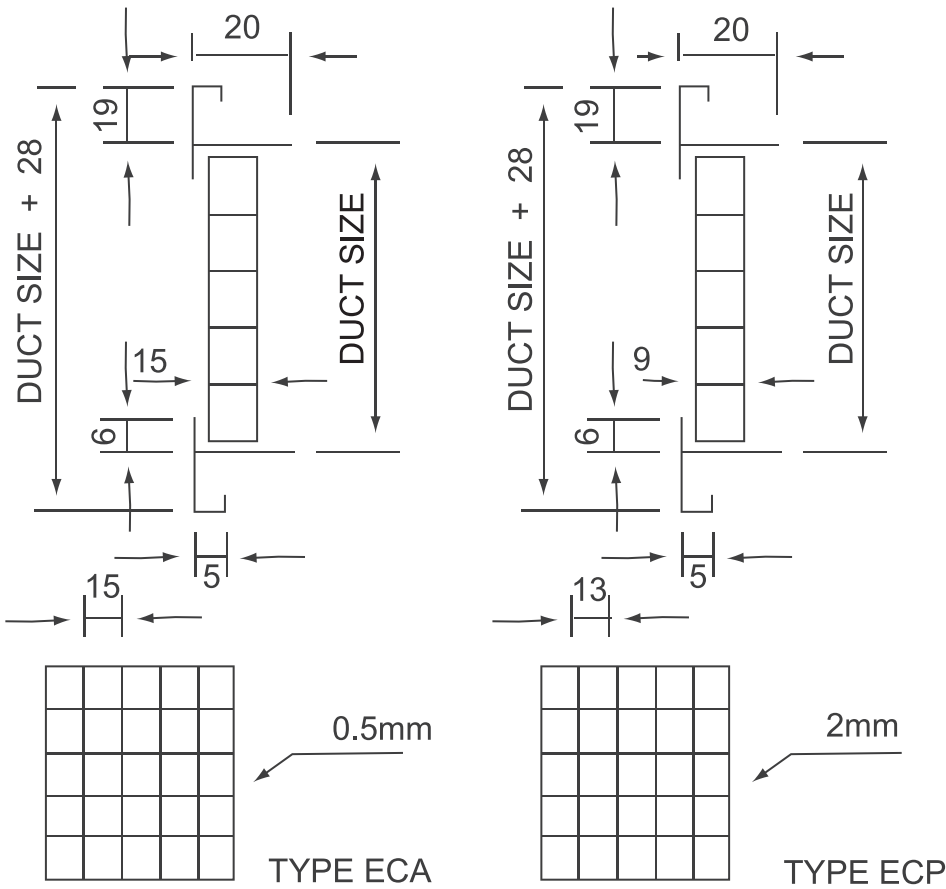
ECA - GRILLE



ECP (Plastic core) & ECA (Aluminium core)- Egg Crate grilles.

Type EC Egg Crate grille manufactured with frame of extruded type 50S anodising grade aluminium and high density styrene core 13 mm spacing and 2 mm thick core. Type ECA as above but with aluminium core 15 mm spacing and 0.5 mm thick core.

STANDARD FRAME: 25 mm.



SELECTION TABLE

Type ECA • ECP

		NECK SIZE																	
H		W																	
l/s	350														350		400		450
	300										300		350					500	
	250							250	300			400	450			550	600		650
	200				200		300				450	500	550	600	650	700	750	800	850
	150		150	200	300	350	400	500	550	650	700	800	850	900	1000	1050	1150	1200	1250
	100	200	250	400	500	600	750	850	1000	1150	1250								
28	dp	5.2																	
	dB(A)	28																	
42	dp	12.7	5.7																
	dB(A)	38	29																
56	dp	22	11	4.5															
	dB(A)	45	36	26															
69	dp		16.5	7.3	4.1														
	dB(A)		42	31	<25														
83	dp		24	11	5.7	3.5													
	dB(A)		46	36	29	<25													
97	dp			14.5	8.1	5	3.2												
	dB(A)			40	33	27	<25												
111	dp			19	11	6.5	4.5	3.2											
	dB(A)			43	36	30	26	<25											
125	dp			24	13.5	8.3	5.7	4.3	3										
	dB(A)			46	39	33	29	25	<25										
139	dp			31	17	11	7.3	5.2	4.1	3									
	dB(A)			49	42	36	31	28	<25	<25									
153	dp				20	13	8.5	6.5	4.7	3.8	3								
	dB(A)				44	38	34	30	27	<25	<25								
167	dp				24	15.5	11	7.9	5.7	4.5	3.5	<3							
	dB(A)				46	41	36	32	29	26	<25	<25							
194	dp					21	14.5	11	8.1	6	5	4.1	3.2						
	dB(A)					45	40	36	33	29	27	<25	<25						
222	dp					28	19	14	11	8.1	6.5	5.2	4.5	3.8	3.2				
	dB(A)					48	43	40	36	33	30	28	26	<25	<25				
250	dp						24	17.5	13.5	11	8.3	7.3	5.7	5	4.3	3.5	3		
	dB(A)						46	42	39	36	33	31	29	27	25	<25	<25		
278	dp						31	22	16.5	13	11	8.5	7.3	6	5.2	4.5	4.1	3.5	3
	dB(A)						49	45	42	39	36	34	31	29	28	26	<25	<25	<25
306	dp							27	20	16	13	11	8.5	7.7	6.5	5.5	4.7	4.3	3.8
	dB(A)							47	44	41	38	36	34	32	30	28	27	25	<25
333	dp							34	24	19	15.5	13	11	8.5	7.9	6.5	5.7	5	4.5
	dB(A)							50	46	43	41	38	36	34	32	30	29	27	26
361	dp								29	23	18	15	12.7	11	9	7.9	7	6	5.2
	dB(A)								48	45	43	41	38	36	34	32	31	29	28
389	dp									27	21	17.5	14.5	12.7	11	9	8.1	7.3	6
	dB(A)									47	45	42	40	38	36	34	33	31	29
417	dp									31	24	20	16.5	14	12.5	11	9	8.1	7.3
	dB(A)									49	46	44	42	40	38	36	34	33	31
444	dp										28	23	19	16	14	12.5	11	9	8.1
	dB(A)										48	45	43	41	40	38	36	34	33
500	dp											30	24	21	17.5	15.5	13.5	12.5	11
	dB(A)											49	46	44	42	41	39	38	36
556	dp												31	26	22	19	16.5	14.5	13
	dB(A)												49	47	45	43	42	40	39
611	dp													33	27	24	20	18	16
	dB(A)													50	47	46	44	43	41
667	dp														34	28	24	21	19
	dB(A)														50	48	46	45	43
722	dp																29	25	23
	dB(A)																48	47	45
778	dp																	30	26
	dB(A)																	49	47

SELECTION TABLE

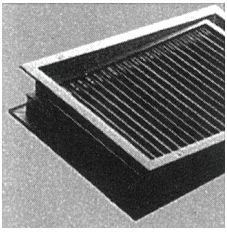
Type ECA • ECP

NECK SIZE																		
H		W																
l/s	500								550				650			850	900	1050
	450			450	500			600				750		900		1050	1150	1200
	400			500	550	600					800	850		1000	1100	1200	1250	
	350	500	550	600	650	700	750	800	850	900	950	1000	1100	1200				
	300	600	650	700	750			950	1000	1050	1100							
	250	750	800	900	950	1050	1100	1200	1250									
306	200	950	1000	1100	1200													
	dp	3																
333	dB(A)	<25																
	dp	3.5	<3															
361	dB(A)	<25	<25															
	dp	4.3	3.5	<3														
389	dB(A)	25	<25	<25														
	dp	5	4.1	3.2														
417	dB(A)	27	<25	<25														
	dp	5.7	4.7	4.1	3.2													
444	dB(A)	29	27	<25	<25													
	dp	6.5	5.2	4.5	3.8	3.2												
500	dB(A)	30	28	26	<25	<25												
	dp	8.3	7	5.7	4.7	4.3	3.5	3										
556	dB(A)	33	31	29	27	25	<25	<25										
	dp	11	8.5	7.3	6	5.2	4.5	4.1	3.5	3								
611	dB(A)	36	34	31	29	28	26	<25	<25	<25								
	dp	13	11	8.5	7.7	6.5	5.5	4.7	4.3	3.8	3.2	3						
667	dB(A)	38	36	34	32	30	28	27	25	<25	<25	<25						
	dp	15.5	12.7	11	8.5	7.9	6.5	5.7	5	4.5	4.1	3.5	<3					
722	dB(A)	41	38	36	34	32	30	29	27	26	<25	<25	<25					
	dp	18	15	12.7	11	9	7.9	7	6	5.2	4.7	4.3	3.5	<3				
778	dB(A)	43	41	38	36	34	32	31	29	28	27	25	<25	<25				
	dp	21	17.5	14.5	12.7	11	9	8.1	7.3	6	5.5	5	4.1	3.2				
833	dB(A)	45	42	40	38	36	34	33	31	29	28	27	<25	<25				
	dp	24	20	16.5	14	12.7	11	9	8.1	7.3	6.5	5.7	4.7	4.1	3.2			
903	dB(A)	46	44	42	40	38	36	34	33	31	30	29	27	<25	<25			
	dp	29	24	19.5	16.5	14.5	12.7	11	9.3	8.3	7.9	7	5.5	4.7	4.1	3.2	<3	
972	dB(A)	48	46	44	42	40	38	36	35	33	32	31	28	27	<25	<25	<25	
	dp		28	23	19.5	16.5	14.5	13	11.5	9.5	8.5	8.1	6.5	5.5	4.7	4.1	3.2	<3
1042	dB(A)		48	45	44	42	40	38	37	35	34	33	30	28	27	<25	<25	<25
	dp		34	27	23	19	16.5	14.5	13	12	10	9	7.7	6	5.2	4.5	4.1	3.5
1111	dB(A)		50	47	45	43	42	40	38	37	36	34	32	29	28	26	<25	<25
	dp			31	26	22	19	16.5	15	13	12.5	11	8.5	7.3	6	5.2	4.5	4.1
1181	dB(A)			49	47	45	43	42	41	39	38	36	34	31	29	28	26	<25
	dp				30	25	22	19	16.5	15	13	12.5	9.5	8.1	7	5.7	5	4.5
1250	dB(A)				49	46	45	43	42	41	39	38	35	33	31	29	27	26
	dp					28	24	21	19	16.5	15	13.5	11.5	9	7.9	7	5.7	5
1319	dB(A)					48	46	45	43	42	41	39	37	34	32	31	29	27
	dp						33	28	24	21	18.5	16.5	15	12.7	10	8.5	7.7	6.5
1389	dB(A)						50	48	46	45	43	42	41	38	36	34	32	30
	dp							31	27	24	21	18.5	16.5	13.5	12	9.3	8.3	7.3
1528	dB(A)							49	47	46	44	43	42	39	37	35	33	31
	dp								34	29	25	23	21	16.5	14	12.5	10	8.5
1667	dB(A)								50	48	47	45	44	42	40	38	36	34
	dp										31	28	24	20	16.5	14	12.7	11
1806	dB(A)										49	48	46	44	42	40	38	36
	dp											34	29	24	19.5	16.5	14.5	12.7
1944	dB(A)											50	48	46	44	42	40	38
	dp													28	23	19.5	16.5	14.5
2083	dB(A)													48	45	44	42	40
	dp													34	27	23	19	16.5
2222	dB(A)													50	47	45	43	42
	dp														31	26	22	19
2361	dB(A)														49	47	45	43
	dp															30	25	22
2500	dB(A)															49	46	45
	dp																28	24
2639	dB(A)																48	46
	dp																33	28
2778	dB(A)																50	48
	dp																	31
	dB(A)																	49
	dp																	47



FNB Menlyn Corner – Supplied grilles, weather louvres and fans

TG - GRILLE



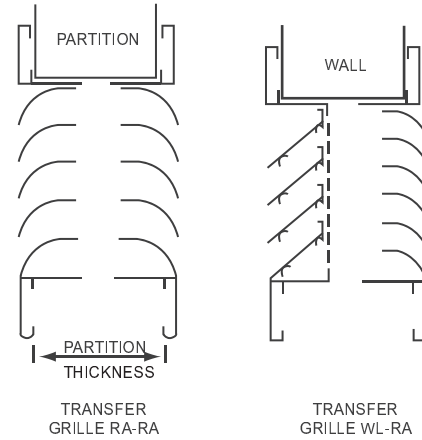
Type TG - RA Trasfer Return Air Grilles

TG - Transfer Return Air Grille

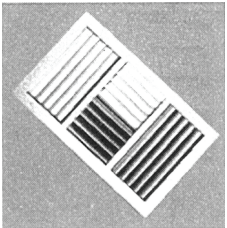
STANDARD FRAME: 29P 22 mm.

STANDARD FINISH: NA. Natural anodised aluminium.

Also available painted or colour anodised. Can be supplied with "punched-counter-sunk" frames. Door thickness to be advised.



CAB - GRILLE



Type CAB: Curved Adjustable Blades - Ceiling Diffuser. Type CAB ceiling diffuser manufactured of extruded type 50S anodising grade aluminium with individually adjustable blade. The blades held in place by plastic friction grommets.

ACCESSORIES:

PC - Punched Counter Sunk Holes,
OBD - Opposed Blade Damper,
PB - Plenum Box with spigot and
CP - Ceiling Plate

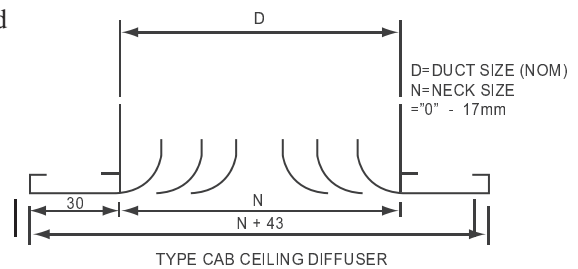
CAB - Ceiling Diffuser.

STANDARD FRAME OPTIONS: 20 mm, 30 mm and 50 mm

STANDARD FINISH OPTIONS: Ca - Colour Anodised, NA - Natural Anodised Aluminium

NB - Unable to Powder Coat CAB.

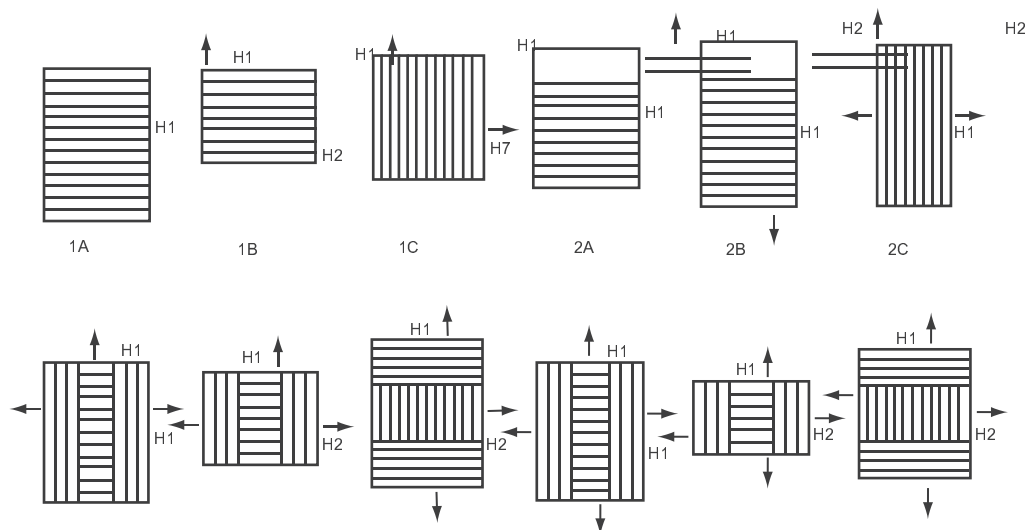
STANDARD BLADE SPACING: 19 mm



Type CAB - Ceiling Diffuser available in a choice of Air Distribution Patterns.

NOTE: H1 is always longer than H2

All Flow Patterns are given looking at Diffuser Face.



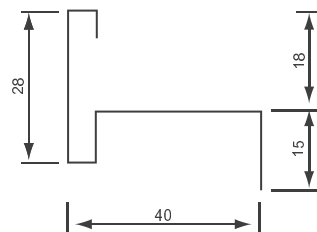
OB DAMPER



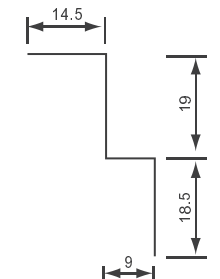
OBD - Opposed Blade Damper

Type OBD Opposed Blade Damper manufactured of mill finished aluminium frames and extruded aluminium blade. Blades are held in place by spring wire and starlock push on fix. The blades are gear linked and lever operated. OBD's suit all standard grilles and diffusers.

FRAME DETAILS



FRAME FG (FLOOR GRILLE)
TYPE "A"



FRAME FG (FLOOR GRILLE)
TYPE "A"



