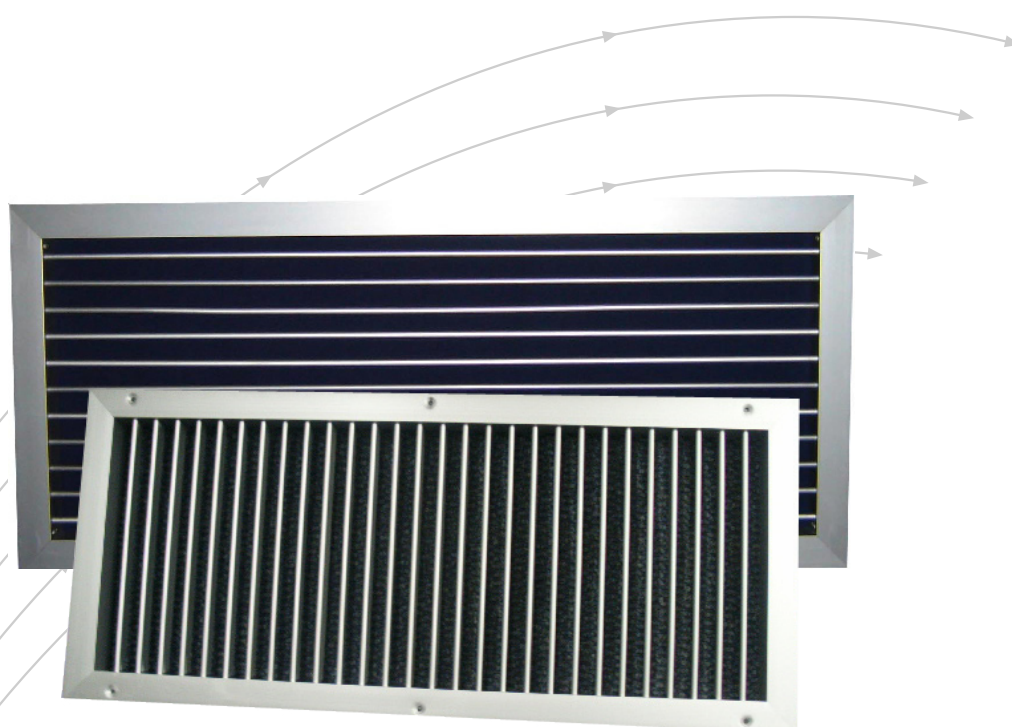


Air Grilles - Supply

Types AT, VAT, AH, AF, EH, EF



TROX[®] TECHNIK

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Contents • Description

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Type AF _____	8	Order Details _____	16



Grilles and linear grille designs are available for duct, wall and floor installation. They may be fitted directly into the duct section or alternatively an installation subframe may be used, e.g. : for installation into builders work.

To optimise air distribution, it is possible to choose from different types of rear assemblies.

Aluminium Grilles

Type AT

Type AT

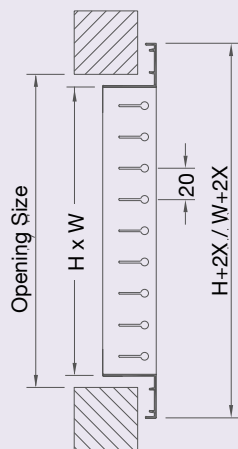
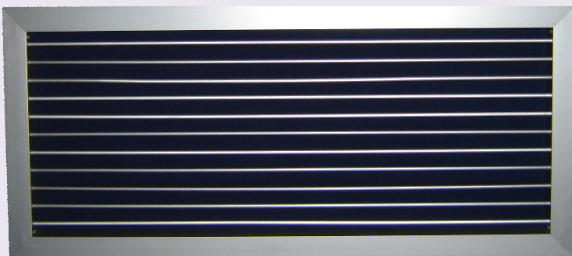
Supply air grille with individually adjustable horizontal aerofoil blades. Standard front border is 28mm wide (option for 20mm or 35mm) punched and countersunk. Available on request with concealed fixing, or unpunched.

Materials

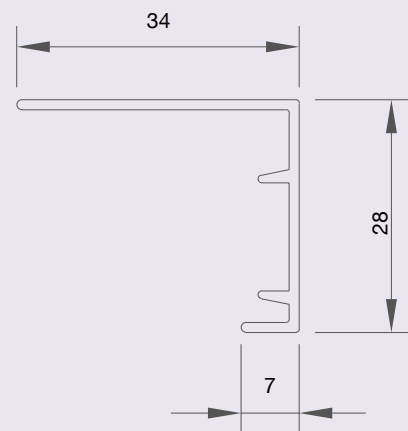
The grilles are made from extruded aluminium sections, with a natural anodised finish.

A variety of painted/powder coated finishes are available upon request.

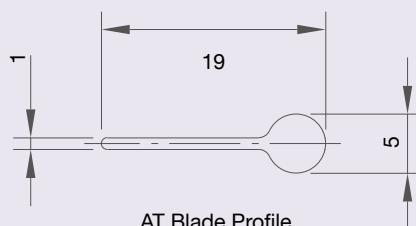
Type AT



Note: X = Flange width



Standard Frame Profile



AT Blade Profile

Aluminium Grilles

Type VAT

Type VAT

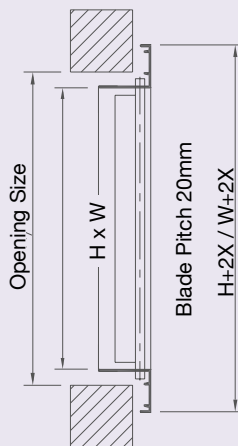
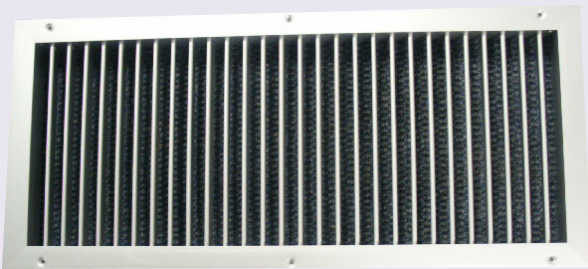
Supply air grille with individually adjustable vertical aerofoil blades. Standard front border is 28mm wide (option for 20mm or 35mm) punched and countersunk. Available on request with concealed fixing, punched and countersunk or unpunched.

Materials

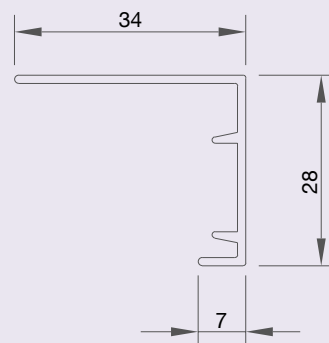
The grilles are made from extruded aluminium sections, with a natural anodised finish.

A variety of painted/powder coated finishes are available upon request.

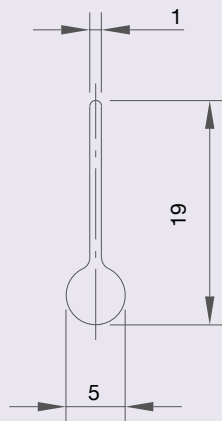
Type VAT



Note: X = Flange width



Standard Frame Profile



VAT Blade Profile

Selection Table

Type AT • VAT

NECK SIZE																			
H	W																		
I/s	450																		450
	400																400		450
	350																		500
	300									300	350			350		400	450	500	600
	250									400	450			500	550	600	650	700	750
	200									500	550	600	650	700	750	800	850	900	1000
	150									600	650	700	750	800	850	900	950	1000	1100
42	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	dp	28.5	14	5.8	<4	<4													
	dB(A)	39	30	<25	<25	<25													
56	throw	6.2	5	4.5	3.8	3.4													
	dp	47	25	11	5.4	<4	<4	<4											
	dB(A)	47	37	26	<25	<25	<25	<25											
69	throw	8.7	7	6.2	8	4.5	4.1	3.8											
	dp		37	16	9.5	5.8	<4	<4	<4	<4									
	dB(A)		43	32	25	<25	<25	<25	<25	<25									
83	throw		8.5	7.8	6.2	5.5	5.2	4.7	4.5	4.2									
	dp		53	25	14	8.5	5.8	4.3	<4	<4	<4	<4							
	dB(A)		48	37	30	<25	<25	<25	<25	<25	<25	<25							
97	throw		10.5	9.5	8	6.8	6.3	5.7	5.5	5.2	5	4.7							
	dp			33	18	12	8	5.8	4.3	<4	<4	<4	<4						
	dB(A)			42	34	27	<25	<25	<25	<25	<25	<25	<25						
111	throw			11	9	8.2	7.5	6.7	6.5	6	5.7	5.5	5.2	4.7					
	dp			42	25	15	11	8	5.8	4.5	<4	<4	<4	<4	<4				
	dB(A)			45	37	31	26	<25	<25	<25	<25	<25	<25	<25	<25				
125	throw			12	10.3	9	8.7	8	7.5	7	6.8	6.5	6.2	5.7	5.5				
	dp			53	31	20	14	10	7.5	5.8	4.5	<4	<4	<4	<4	<4			
	dB(A)			48	41	35	30	26	<25	<25	<25	<25	<25	<25	<25	<25			
139	throw			12	10.5	9.7	9	8.5	8	7.5	7.2	7	6.5	6.2	6	5.9			
	dp			37	25	16.5	12.5	9.5	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4	<4	<4
	dB(A)			43	37	32	28	25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
153	throw			13.5	12	11	10	9.5	9	8.5	8.2	7.8	7.5	7.2	7	6.7	6.5	6	
	dp			44	29	21	15	11.5	9	7.5	5.8	5	4.3	<4	<4	<4	<4	<4	<4
	dB(A)			46	40	35	31	27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
167	throw			15	13	12	11	10.5	10	9.5	9	8.5	8.2	8	7.7	7.3	7	6.7	6.5
	dp			53	35	25	17	13	11	8.5	7	5.8	5	4.3	<4	<4	<4	<4	<4
	dB(A)			48	42	37	33	29	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
194	throw			16	14	13	12	11.5	11	10.5	10	9.5	9	8.7	8.5	8.2	7.8	7.5	7.2
	dp			46	33	25	18	14.5	12	9.5	8	7	5.8	5	4.3	<4	<4	<4	<4
	dB(A)			46	42	37	34	30	27	25	<25	<25	<25	<25	<25	<25	<25	<25	<25
222	throw			16.5	15	14	13.5	12.5	12	11.5	11	10.5	10.1	9.8	9.5	9	8.7	8.5	
	dp			60	42	32	25	18	15	12.5	11	9	8	7	5.8	5	4.5	4.5	<4
	dB(A)			50	45	41	37	34	31	28	26	<25	<25	<25	<25	<25	<25	<25	<25
250	throw			19	17	16	15	14.5	14	13	12.5	12	11.5	11	10.7	10.5	10	9.5	
	dp			53	39	31	25	20	16	14	12	10	8.5	7.5	6.3	5.8	5.8	5.8	5.8
	dB(A)			48	44	41	37	35	32	30	27	26	<25	<25	<25	<25	<25	<25	<25
278	throw			19.5	17	16.5	16	15.5	15	14.5	14	13	13	12.5	12	11.5	11	11.5	11
	dp				47	37	30	25	21	16	14.5	12.5	11	9.5	8.5	7.5	7.5	7.5	7.5
	dB(A)				47	43	41	37	35	32	30	28	26	25	<25	<25	<25	<25	<25
306	throw				20	19	18	17.5	17	16	15.5	14.5	14	13.8	13	12.7	12.7	12.3	
	dp				58	44	36	29	25	21	16.5	15	13	11.5	10	9	9	9	9
	dB(A)				49	46	43	40	37	35	32	31	29	27	26	<25	<25	<25	<25
333	throw				22	21	20	19	18	17.5	17	16	15.5	15.2	14.5	14.5	14	13.5	
	dp					53	42	35	29	25	21	17	15	14	12	11	11	11	11
	dB(A)					48	45	42	40	37	35	33	31	30	27	26	26	26	<25
361	throw					23.5	21.5	20.5	20	19	18	17	16.5	16	15.5	15	15.5	15	15.5
	dp						48	40	34	28.5	25	22	17	15.5	14.5	12.5	12.5	12.5	12.5
	dB(A)						47	44	42	39	37	36	33	31	30	28	28	28	28
389	throw							24	23	22	20.5	20	19	18	17	17	16.5	16.5	16
	dp								46	39	33	28.5	25	22	18	16	14.5	14.5	14.5
	dB(A)								46	44	42	39	37	36	34	32	30	30	30
417	throw								25	23	22	21	20.5	20	19	18.5	18	17.5	17.5
	dp											37	32	28	25	22	18	16	14
	dB(A)											43	41	39	37	36	34	32	30
444	throw											25	24	22.5	21.5	21	20	19	18.5
	dp														32	28	25	22	18
	dB(A)														41	39	37	36	34
500	throw														24	23	22	21	20
	dp																31	28	26
	dB(A)																41	39	38
500	throw																25	22.5	22
	dp																		

Selection Table

Type AT • VAT

NECK SIZE																				
	H	W																		
I/s	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													
153	200	1000	1100	1200																
	dp			<4																
	dB(A)			<25																
167	throw			6.2																
	dp			<4	<4															
	dB(A)			<25	<25															
194	throw			6.7	6.5															
	dp			<4	<4	<4	<4													
	dB(A)			<25	<25	<25	<25													
222	throw			8	7.7	7.5	7													
	dp			<4	<4	<4	<4	<4												
	dB(A)			<25	<25	<25	<25	<25												
250	throw			9	9	8.5	8	7.7												
	dp			<4	<4	<4	<4	<4	<4	<4										
	dB(A)			<25	<25	<25	<25	<25	<25	<25										
278	throw			10.5	10	9.7	9	8.8	8.5	8.3										
	dp			4.5	<4	<4	<4	<4	<4	<4	<4	<4								
	dB(A)			<25	<25	<25	<25	<25	<25	<25	<25	<25								
306	throw			11.7	11.2	11	10.2	10	9.7	9.5	9.1	8.9								
	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							
333	throw			13	12.5	12	11.5	11.2	10.8	10.3	10	9.7	9.5							
	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	<25					
361	throw			14	13.5	13	12.5	12.2	11.8	11.3	11	10.8	10.3	10						
	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	<25				
389	throw			15.5	15	14.5	13.7	13.3	13	12.5	12	11.7	11.5	11	10.3					
	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	<25			
417	throw			16.5	16	15.5	14.7	14.2	14	13.5	13	12.5	12.3	12	11.3	11				
	dp			11.5	9.5	8	7	5.8	5	4.5	<4	<4	<4	<4	<4	<4				
	dB(A)			27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25			
444	throw			17.8	17	16.5	16	15.5	15	14.5	14	13.5	13	12.5	12	11.5				
	dp			12.5	11	9	8	7	5.8	5.4	4.5	<4	<4	<4	<4	<4	<4			
	dB(A)			28	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
500	throw			18.5	18	17	16.5	16	15.7	15.2	14.5	14.2	14	13.2	12.5	12	11.8			
	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	
556	throw			21	20	19	18.2	17.5	17.2	16.8	16	16	15.5	15	14.2	14	13	12.5	12	
	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	
611	throw	25	25	23	22	21.5	20.5	20	19.5	19	18.5	17.5	17	16.5	16	15.5	14.8	14	13.5	
	dp					16.5	15	13	11.5	10	9	8	7.5	5.8	5	4.3	<4	<4	<4	
	dB(A)					32	31	29	27	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	
667	throw					24	23	22	21	20.5	20	19.5	19	18.5	17.5	17	16	15.5	15	
	dp							15	14	12	11	9.5	8.5	7	5.8	5	4.3	<4	<4	
	dB(A)							31	30	27	26	25	<25	<25	<25	<25	<25	<25	<25	
722	throw							25	24	22.5	22	21.5	21	20	19	18.5	17.5	17	16.5	
	dp										12.5	11.5	10	8.5	7	5.8	5	4.3	<4	
	dB(A)										28	27	26	<25	<25	<25	<25	<25	<25	
778	throw										25	24	23	22	21	20.5	19.5	18.5	17.5	
	dp														9.5	8	7	5.8	4.3	
	dB(A)														25	<25	<25	<25	<25	
833	throw														24	23	22	21	19	
	dp															9.5	8	7	5.8	
	dB(A)															25	<25	<25	<25	
903	throw															25	24	22.5	21	
	dp																	8	7	
	dB(A)																	<25	<25	
972	throw																	25	24	
	dp																		7	
	dB(A)																		<25	
	throw																		25	

Aluminium Grilles and Grille Cores

Type AH

Type AH

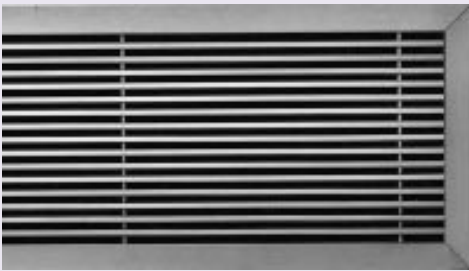
Supply air grille with fixed horizontal profiled blades. Front border 28 mm wide punched and countersunk (option 20mm and 35mm), blades with either 0° or 15° deflection, types AH-0- . . . and AH-15- . . . respectively. Available on request concealed fixing or unpunched.

Materials

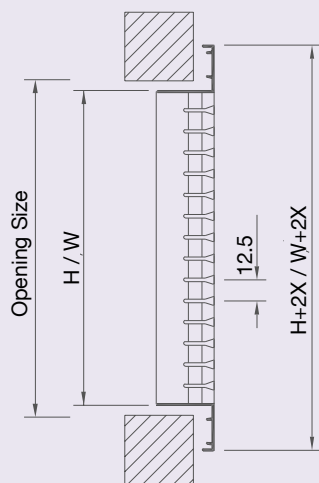
The grilles are made from extruded aluminium sections, with a natural anodised finish.

A variety of painted/powder coated finishes are available upon request.

Type AH

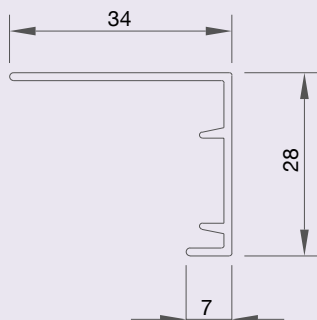
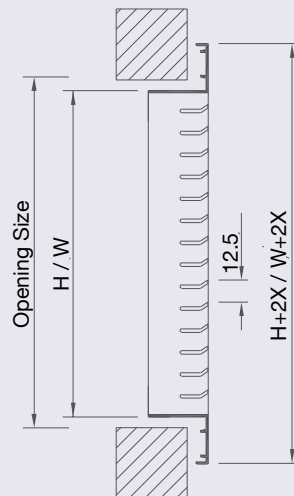


AH-0

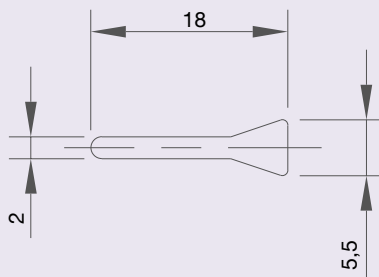


Note: X = Frame width

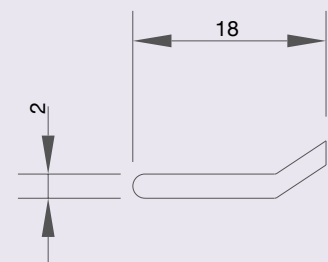
AH-15



Standard Frame Profile



Blade Profile
AH-0



Blade Profile
AH-15

Aluminium Grilles and Grille Cores

Type AF

Type AF

Supply air grille for floor mounting with fixed horizontal profiled blades, blades with either 0° or 15° deflection, types AF-0-... and AF-15-... respectively. The grille can be fitted in masonry by means of builders work cleats.

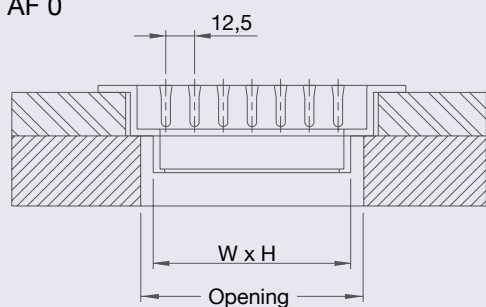
Materials

Grille face made from extruded aluminium sections. Natural anodised finish only.

Type AF

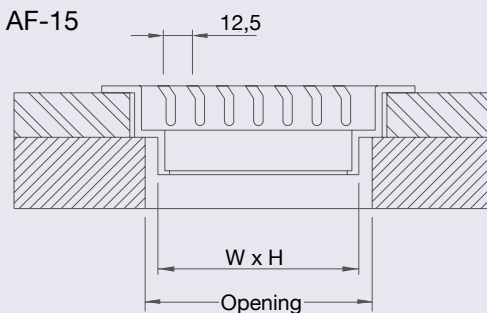


AF 0



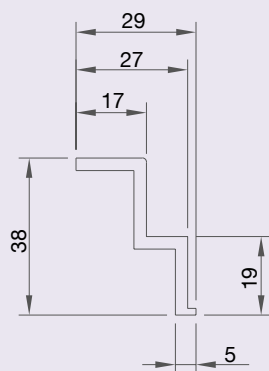
Blade Profile
AF-0

AF-15

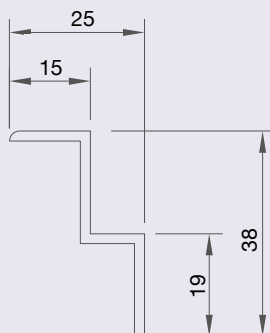


Blade Profile
AF-15

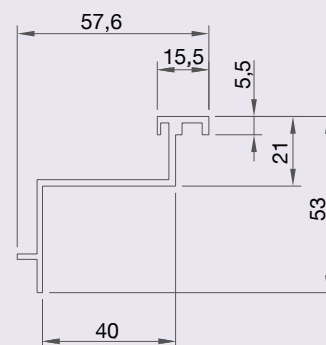
Available Frame Profiles



F Profile



G Profile



E Profile

Selection Table

Type AH & AF

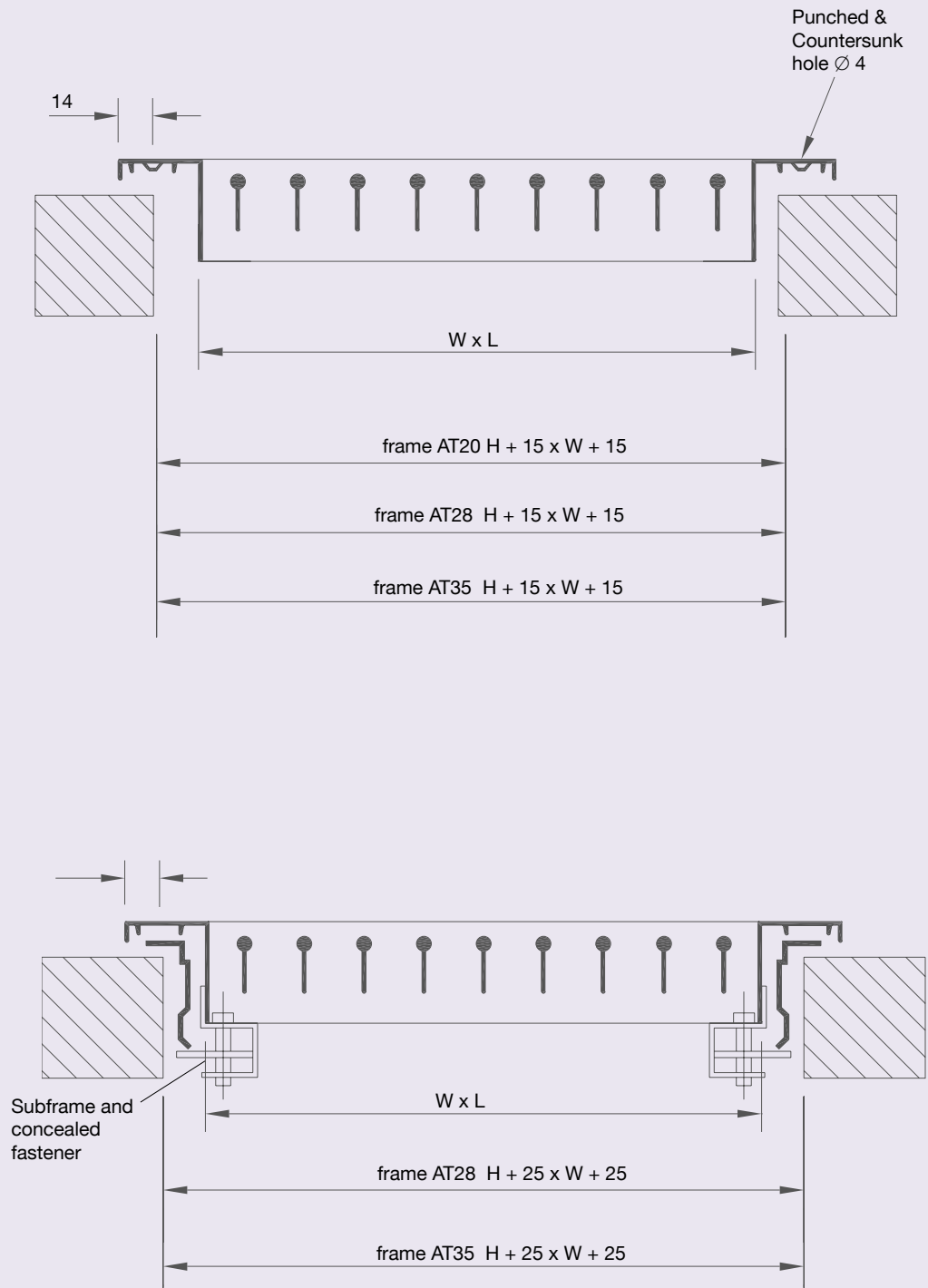
NECK SIZE																		
	H	W																
l/s	450														450		500	550
	400											400			500	550	600	600
	350									350	400	450	500	550		600	650	700
	300						300	350	400	450			550	600	650	700	750	800
	250				250	300	350	400	450	500	550		700	750	800	850	900	950
	200			200	300	350	450	500	550	650	700	800	850	950	1000	1050	1150	1200
	150	150	200	300	400	550	650	750	850	950	1050	1150	1250					
	100	250	400	550	750	950	1100	1250										
42	dp	28.5	14.0	5.8	<4	<4												
	dB(A)	39.0	30.0	<25	<25	<25												
	throw	6.2	5.0	4.5	3.8	3.4												
56	dp	47.0	25.0	11.0	5.4	<4	<4											
	dB(A)	47.0	37.0	26.0	<25	<25	<25	<25										
	throw	8.7	7.0	6.2	8.0	4.5	4.1	3.8										
69	dp		37.0	16.0	9.5	5.8	<4	<4	<4									
	dB(A)		43.0	32.0	25.0	<25	<25	<25	<25									
	throw		8.5	7.8	6.2	5.5	5.2	4.7	4.5	4.2								
83	dp		53.0	25.0	14.0	8.5	5.8	4.3	<4	<4	<4	<4						
	dB(A)		48.0	37.0	30.0	<25	<25	<25	<25	<25	<25	<25						
	throw		10.5	9.5	8.0	6.8	6.3	5.7	5.5	5.2	5.0	4.7						
97	dp			33.0	18.0	12.0	8.0	5.8	4.3	<4	<4	<4	<4	<4				
	dB(A)			42.0	34.0	27.0	<25	<25	<25	<25	<25	<25	<25	<25				
	throw			11.0	9.0	8.2	7.5	6.7	6.5	6.0	5.7	5.5	5.2	4.7				
111	dp		42.0	25.0	15.0	11.0	8.0	5.8	4.5	<4	<4	<4	<4	<4	<4			
	dB(A)			45.0	37.0	31.0	26.0	<25	<25	<25	<25	<25	<25	<25	<25			
	throw			12.0	10.3	9.0	8.7	8.0	7.5	7.0	6.8	6.5	6.2	5.7	5.5			
125	dp		53.0	31.0	20.0	14.0	10.0	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4	<4	
	dB(A)		48.0	41.0	35.0	30.0	26.0	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	
	throw				12.0	10.5	9.7	9.0	8.5	8.0	7.5	7.2	7.0	6.5	6.2	6.0	5.9	
139	dp			37.0	25.0	16.5	12.5	9.5	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4	<4
	dB(A)			43.0	37.0	32.0	28.0	25.0	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw			13.5	12.0	11.0	10.0	9.5	9.0	8.5	8.2	7.8	7.5	7.2	7.0	6.7	6.5	
153	dp			44.0	29.0	21.0	15.0	11.5	9.0	7.5	5.8	5.0	4.3	<4	<4	<4	<4	
	dB(A)			46.0	40.0	35.0	31.0	27.0	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw			15.0	13.0	12.0	11.0	10.5	10.0	9.5	9.0	8.5	8.2	8.0	7.7	7.3	7.0	
167	dp			53.0	35.0	25.0	17.0	13.0	11.0	8.5	7.0	5.8	5.0	4.3	<4	<4	<4	
	dB(A)			48.0	42.0	37.0	33.0	29.0	26.0	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw			16.0	14.0	13.0	12.0	11.5	11.0	10.5	10.0	9.5	9.0	8.7	8.5	8.2	7.8	
194	dp				46.0	33.0	25.0	18.0	14.5	12.0	9.5	8.0	7.0	5.8	5.0	4.3	4.3	<4
	dB(A)				46.0	42.0	37.0	34.0	30.0	27.0	25.0	<25	<25	<25	<25	<25	<25	<25
	throw				16.5	15.0	14.0	13.5	12.5	12.0	11.5	11.0	10.5	10.1	9.8	9.5	9.0	
222	dp				60.0	42.0	32.0	25.0	18.0	15.0	12.5	11.0	9.0	8.0	7.0	5.8	5.0	
	dB(A)				50.0	45.0	41.0	37.0	34.0	31.0	28.0	26.0	<25	<25	<25	<25	<25	<25
	throw				19.0	17.0	16.0	15.0	14.5	14.0	13.0	12.5	12.0	11.5	11.0	10.7	10.5	
250	dp					53.0	39.0	31.0	25.0	20.0	16.0	14.0	12.0	10.0	8.5	7.5	6.3	
	dB(A)					48.0	44.0	41.0	37.0	35.0	32.0	30.0	27.0	26.0	<25	<25	<25	<25
	throw					19.5	17.0	16.5	16.0	15.5	15.0	14.5	14.0	13.0	13.0	12.5	12.0	
278	dp						47.0	37.0	30.0	25.0	21.0	16.0	14.5	12.5	11.0	9.5	8.5	
	dB(A)						47.0	43.0	41.0	37.0	35.0	32.0	30.0	28.0	26.0	25.0	<25	
	throw						20.0	19.0	18.0	17.5	17.0	16.0	15.5	14.5	14.0	13.8	13.0	
306	dp						58.0	44.0	36.0	29.0	25.0	21.0	16.5	15.0	13.0	11.5	10.0	
	dB(A)						49.0	46.0	43.0	40.0	37.0	35.0	32.0	31.0	29.0	27.0	26.0	
	throw						22.0	21.0	20.0	19.0	18.0	17.5	17.0	16.0	15.5	15.2	14.5	
333	dp							53.0	42.0	35.0	29.0	25.0	21.0	17.0	15.0	14.0	12.0	
	dB(A)							48.0	45.0	42.0	40.0	37.0	35.0	33.0	31.0	30.0	27.0	
	throw							23.5	21.5	20.5	20.0	19.0	18.0	17.0	16.5	16.0	15.5	
361	dp								48.0	40.0	34.0	28.5	25.0	22.0	17.0	15.5	14.5	
	dB(A)								47.0	44.0	42.0	39.0	37.0	36.0	33.0	31.0	30.0	
	throw								24.0	23.0	22.0	20.5	20.0	19.0	18.0	17.0	17.0	
389	dp									46.0	39.0	33.0	28.5	25.0	22.0	18.0	16.0	
	dB(A)									46.0	44.0	42.0	39.0	37.0	36.0	34.0	32.0	
	throw									25.0	23.0	22.0	21.0	20.5	20.0	19.0	18.5	
417	dp											37.0	32.0	28.0	25.0	22.0	18.0	
	dB(A)											43.0	41.0	39.0	37.0	36.0	34.0	
	throw											25.0	24.0	22.5	21.5	21.0	20.0	
444	dp														32.0	28.0	25.0	22.0
	dB(A)														41.0	39.0	37.0	36.0
	throw														24.0	23.0	22.0	21.0
500	dp																31.0	28.0
	dB(A)																41.0	39.0
	throw																25.0	22.5

Selection Table

Type AH & AF

NECK SIZE														
H		W												
I/s	500	500			700	750	800	850	900			1100	1150	1250
	450		650	700	750		900	950	1000		1150	1200	1250	
	400	650	700	800	850		1000		1150	1200				
	350	750	800	900	1000	1050	1150							
	300	850	950	1050	1150	1250								
	250	1000	1150	1250										
	200	1250												
139	dp	<4												
	dB(A)	<25												
	throw	6												
153	dp	<4	<4	<4										
	dB(A)	<25	<25	<25										
	throw	6.7	6.5	6.2										
167	dp	<4	<4	<4	<4									
	dB(A)	<25	<25	<25	<25									
	throw	7.5	7.2	6.7	6.5									
194	dp	<4	<4	<4	<4	<4	<4							
	dB(A)	<25	<25	<25	<25	<25	<25							
	throw	8.7	8.5	8	7.7	7.5	7							
222	dp	4.5	<4	<4	<4	<4	<4							
	dB(A)	<25	<25	<25	<25	<25	<25	<25						
	throw	10	9.5	9	9	8.5	8	7.7						
250	dp	5.8	4.5	<4	<4	<4	<4	<4	<4	<4				
	dB(A)	<25	<25	<25	<25	<25	<25	<25	<25	<25				
	throw	11.5	11	10.5	10	9.7	9	8.8	8.5	8.3				
278	dp	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4	<4	<4		
	dB(A)	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
	throw	12.7	12.3	11.7	11.2	11	10.2	10	9.7	9.5	9.1	8.9		
306	dp	9	7.5	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	<25	<25	
	throw	14	13.5	13	12.5	12	11.5	11.2	10.8	10.3	10	9.7	9.5	
333	dp	11	8.5	7	5.8	5	4.3	<4	<4	<4	<4	<4	<4	<4
	dB(A)	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	15	14.5	14	13.5	13	12.5	12.2	11.8	11.3	11	10.8	10.3	10
361	dp	12.5	10	8.5	7	5.8	5	4.3	<4	<4	<4	<4	<4	<4
	dB(A)	28	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	16.5	16	15.5	15	14.5	13.7	13.3	13	12.5	12	11.7	11.5	11
389	dp	14.5	12	9.5	8	7	5.8	5	4.3	<4	<4	<4	<4	<4
	dB(A)	30	27	25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	18	17.5	16.5	16	15.5	14.7	14.2	14	13.5	13	12.5	12.3	12
417	dp	16	14	11.5	9.5	8	7	5.8	5	4.5	<4	<4	<4	<4
	dB(A)	32	30	27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	19	18.5	17.8	17	16.5	16	15.5	15	14.5	14	13.5	13	12.5
444	dp	18	15	12.5	11	9	8	7	5.8	5.4	4.5	<4	<4	<4
	dB(A)	34	31	28	26	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	20	19.5	18.5	18	17	16.5	16	15.7	15.2	14.5	14.2	14	13.2
500	dp	26	20	16	14	12	10	8.5	7.5	6.3	5.8	5	4.5	<4
	dB(A)	38	35	32	30	27	26	<25	<25	<25	<25	<25	<25	<25
	throw	22	22	21	20	19	18.2	17.5	17.2	16.8	16	16	15.5	15
556	dp	30	25	21	16	14.5	12.5	11	9.5	8.5	7.5	6.3	5.8	4.5
	dB(A)	41	37	35	32	30	28	26	25	<25	<25	<25	<25	<25
	throw	25	25	23	22	21.5	20.5	20	19.5	19	18.5	17.5	17	16.5
611	dp					16.5	15	13	11.5	10	9	8	7.5	5.8
	dB(A)					32	31	29	27	26	<25	<25	<25	<25
	throw					24	23	22	21	20.5	20	19.5	19	18.5
667	dp							15	14	12	11	9.5	8.5	7
	dB(A)							31	30	27	26	25	<25	<25
	throw							25	24	22.5	22	21.5	21	20
722	dp										12.5	11.5	10	8.5
	dB(A)										28	27	26	<25
	throw										25	24	23	22
778	dp													9.5
	dB(A)													25
	throw													24

Opening Sizes



Aluminium Grilles

Type EH • EF

Types EH • EF

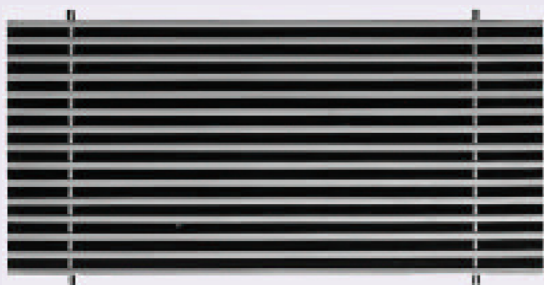
Supply air grille cores for wall or sill mounting with fixed horizontal profiled blades, types EH-0, EH-15 (wall mounted), EF-0 EF-15 (floor mounted). Blades with either 0° or 15° deflection, types ...0 and ...15. The construction and dimensions are the same as for the cores of types AH and AF.

Materials

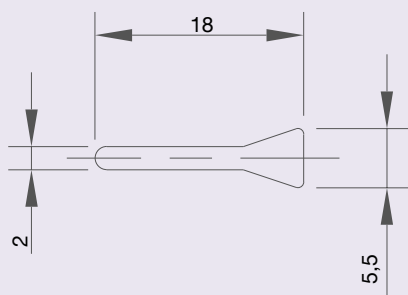
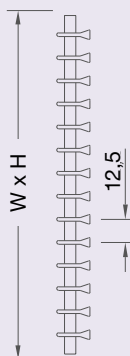
The grilles are made from extruded aluminium sections, with a natural anodised finish.

A variety of painted/powder coated finishes are available upon request.

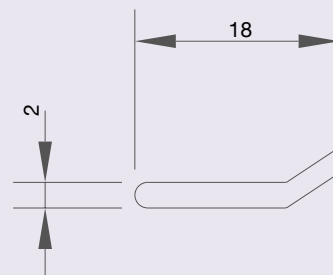
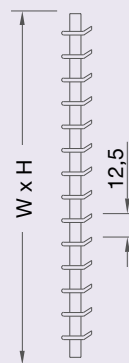
Type EH • EF



EH-0



EH-15



Selection Table

Type EH & EF

NECK SIZE																		
	H	W																
l/s	450															450		
	400															500	550	600
	350									350	400	450	500	550		600	650	700
	300													550	600	650	700	750
	250					250	300	350	400	450	500	550		700	750	800	850	900
	200				200	300	350	450	500	550	650	700	800	850	950	1000	1050	1150
	150	150	200	300	400	550	650	750	850	950	1050	1150	1250					
	100	250	400	550	750	950	1100	1250										
42	dp	28.5	14.0	5.8	<4	<4												
	dB(A)	39.0	30.0	<25	<25	<25												
	throw	6.2	5.0	4.5	3.8	3.4												
56	dp	47.0	25.0	11.0	5.4	<4	<4	<4										
	dB(A)	47.0	37.0	26.0	<25	<25	<25	<25										
	throw	8.7	7.0	6.2	8.0	4.5	4.1	3.8										
69	dp		37.0	16.0	9.5	5.8	<4	<4	<4	<4								
	dB(A)		43.0	32.0	25.0	<25	<25	<25	<25	<25								
	throw		8.5	7.8	6.2	5.5	5.2	4.7	4.5	4.2								
83	dp		53.0	25.0	14.0	8.5	5.8	4.3	<4	<4	<4	<4						
	dB(A)		48.0	37.0	30.0	<25	<25	<25	<25	<25	<25	<25						
	throw		10.5	9.5	8.0	6.8	6.3	5.7	5.5	5.2	5.0	4.7						
97	dp			33.0	18.0	12.0	8.0	5.8	4.3	<4	<4	<4	<4	<4				
	dB(A)			42.0	34.0	27.0	<25	<25	<25	<25	<25	<25	<25	<25				
	throw			11.0	9.0	8.2	7.5	6.7	6.5	6.0	5.7	5.5	5.2	4.7				
111	dp			42.0	25.0	15.0	11.0	8.0	5.8	4.5	<4	<4	<4	<4	<4			
	dB(A)			45.0	37.0	31.0	26.0	<25	<25	<25	<25	<25	<25	<25	<25			
	throw			12.0	10.3	9.0	8.7	8.0	7.5	7.0	6.8	6.5	6.2	5.7	5.5			
125	dp			53.0	31.0	20.0	14.0	10.0	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4	
	dB(A)			48.0	41.0	35.0	30.0	26.0	<25	<25	<25	<25	<25	<25	<25	<25	<25	
	throw				12.0	10.5	9.7	9.0	8.5	8.0	7.5	7.2	7.0	6.5	6.2	6.0	5.9	
139	dp				37.0	25.0	16.5	12.5	9.5	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4
	dB(A)				43.0	37.0	32.0	28.0	25.0	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw				13.5	12.0	11.0	10.0	9.5	9.0	9.5	8.2	7.8	7.5	7.2	7.0	6.7	6.5
153	dp				44.0	29.0	21.0	15.0	11.5	9.0	7.5	5.8	5.0	4.3	<4	<4	<4	<4
	dB(A)				46.0	40.0	35.0	31.0	27.0	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw				15.0	13.0	12.0	11.0	10.5	10.0	9.5	9.0	8.5	8.2	8.0	7.7	7.3	7.0
167	dp				53.0	35.0	25.0	17.0	13.0	11.0	8.5	7.0	5.8	5.0	4.3	<4	<4	<4
	dB(A)				48.0	42.0	37.0	33.0	29.0	26.0	<25	<25	<25	<25	<25	<25	<25	<25
	throw				16.0	14.0	13.0	12.0	11.5	11.0	10.5	10.0	9.5	9.0	8.7	8.5	8.2	7.8
194	dp					46.0	33.0	25.0	18.0	14.5	12.0	9.5	8.0	7.0	5.8	5.0	4.3	<4
	dB(A)					46.0	42.0	37.0	34.0	30.0	27.0	25.0	<25	<25	<25	<25	<25	<25
	throw					16.5	15.0	14.0	13.5	12.5	12.0	11.5	11.0	10.5	10.1	9.8	9.5	9.0
222	dp					60.0	42.0	32.0	25.0	18.0	15.0	12.5	11.0	9.0	8.0	7.0	5.8	5.0
	dB(A)					50.0	45.0	41.0	37.0	34.0	31.0	28.0	26.0	<25	<25	<25	<25	<25
	throw					19.0	17.0	16.0	15.0	14.5	14.0	13.0	12.5	12.0	11.5	11.0	10.7	10.5
250	dp						53.0	39.0	31.0	25.0	20.0	16.0	14.0	12.0	10.0	8.5	7.5	6.3
	dB(A)						48.0	44.0	41.0	37.0	35.0	32.0	30.0	27.0	26.0	<25	<25	<25
	throw						19.5	17.0	16.5	16.0	15.5	15.0	14.5	14.0	13.0	13.0	12.5	12.0
278	dp							47.0	37.0	30.0	25.0	21.0	16.0	14.5	12.5	11.0	9.5	8.5
	dB(A)							47.0	43.0	41.0	37.0	35.0	32.0	30.0	28.0	26.0	25.0	<25
	throw							20.0	19.0	18.0	17.5	17.0	16.0	15.5	14.5	14.0	13.8	13.0
306	dp							58.0	44.0	36.0	29.0	25.0	21.0	16.5	15.0	13.0	11.5	10.0
	dB(A)							49.0	46.0	43.0	40.0	37.0	35.0	32.0	31.0	29.0	27.0	26.0
	throw							22.0	21.0	20.0	19.0	18.0	17.5	17.0	16.0	15.5	15.2	14.5
333	dp								53.0	42.0	35.0	29.0	25.0	21.0	17.0	15.0	14.0	12.0
	dB(A)								48.0	45.0	42.0	40.0	37.0	35.0	33.0	31.0	30.0	27.0
	throw								23.5	21.5	20.5	20.0	19.0	18.0	17.0	16.5	16.0	15.5
361	dp									48.0	40.0	34.0	28.5	25.0	22.0	17.0	15.5	14.5
	dB(A)									47.0	44.0	42.0	39.0	37.0	36.0	33.0	31.0	30.0
	throw									24.0	23.0	22.0	20.5	20.0	19.0	18.0	17.0	17.0
389	dp										46.0	39.0	33.0	28.5	25.0	22.0	18.0	16.0
	dB(A)										46.0	44.0	42.0	39.0	37.0	36.0	34.0	32.0
	throw										25.0	23.0	22.0	21.0	20.5	20.0	19.0	18.5
417	dp													37.0	32.0	28.0	25.0	22.0
	dB(A)													43.0	41.0	39.0	37.0	34.0
	throw													25.0	24.0	22.5	21.5	21.0
444	dp															32.0	28.0	25.0
	dB(A)															41.0	39.0	37.0
	throw															24.0	23.0	22.0
500	dp																31.0	28.0
	dB(A)																41.0	39.0
	throw																25.0	22.5

Selection Table

Type EH & EF

NECK SIZE														
	H	W												
I/s	500	500			700	750	800	850	900			1100	1150	1250
	450		650	700	750		900	950	1000		1150	1200	1250	
	400	650	700	800	850		1000		1150	1200				
	350	750	800	900	1000	1050	1150							
	300	850	950	1050	1150	1250								
	250	1000	1150	1250										
	200	1250												
139	dp	<4												
	dB(A)	<25												
	throw	6												
153	dp	<4	<4	<4										
	dB(A)	<25	<25	<25										
	throw	6.7	6.5	6.2										
167	dp	<4	<4	<4	<4									
	dB(A)	<25	<25	<25	<25									
	throw	7.5	7.2	6.7	6.5									
194	dp	<4	<4	<4	<4	<4	<4							
	dB(A)	<25	<25	<25	<25	<25	<25							
	throw	8.7	8.5	8	7.7	7.5	7							
222	dp	4.5	<4	<4	<4	<4	<4	<4						
	dB(A)	<25	<25	<25	<25	<25	<25	<25						
	throw	10	9.5	9	9	8.5	8	7.7						
250	dp	5.8	4.5	<4	<4	<4	<4	<4	<4	<4				
	dB(A)	<25	<25	<25	<25	<25	<25	<25	<25	<25				
	throw	11.5	11	10.5	10	9.7	9	8.8	8.5	8.3				
278	dp	7.5	5.8	4.5	<4	<4	<4	<4	<4	<4	<4	<4		
	dB(A)	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
	throw	12.7	12.3	11.7	11.2	11	10.2	10	9.7	9.5	9.1	8.9		
306	dp	9	7.5	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	<25	<25	
	throw	14	13.5	13	12.5	12	11.5	11.2	10.8	10.3	10	9.7	9.5	
333	dp	11	8.5	7	5.8	5	4.3	<4	<4	<4	<4	<4	<4	<4
	dB(A)	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	15	14.5	14	13.5	13	12.5	12.2	11.8	11.3	11	10.8	10.3	10
361	dp	12.5	10	8.5	7	5.8	5	4.3	<4	<4	<4	<4	<4	<4
	dB(A)	28	26	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	16.5	16	15.5	15	14.5	13.7	13.3	13	12.5	12	11.7	11.5	11
389	dp	14.5	12	9.5	8	7	5.8	5	4.3	<4	<4	<4	<4	<4
	dB(A)	30	27	25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	18	17.5	16.5	16	15.5	14.7	14.2	14	13.5	13	12.5	12.3	12
417	dp	16	14	11.5	9.5	8	7	5.8	5	4.5	<4	<4	<4	<4
	dB(A)	32	30	27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	19	18.5	17.8	17	16.5	16	15.5	15	14.5	14	13.5	13	12.5
444	dp	18	15	12.5	11	9	8	7	5.8	5.4	4.5	<4	<4	<4
	dB(A)	34	31	28	26	<25	<25	<25	<25	<25	<25	<25	<25	<25
	throw	20	19.5	18.5	18	17	16.5	16	15.7	15.2	14.5	14.2	14	13.2
500	dp	26	20	16	14	12	10	8.5	7.5	6.3	5.8	5	4.5	<4
	dB(A)	38	35	32	30	27	26	<25	<25	<25	<25	<25	<25	<25
	throw	22	22	21	20	19	18.2	17.5	17.2	16.8	16	16	15.5	15
556	dp	30	25	21	16	14.5	12.5	11	9.5	8.5	7.5	6.3	5.8	4.5
	dB(A)	41	37	35	32	30	28	26	25	<25	<25	<25	<25	<25
	throw	25	25	23	22	21.5	20.5	20	19.5	19	18.5	17.5	17	16.5
611	dp					16.5	15	13	11.5	10	9	8	7.5	5.8
	dB(A)					32	31	29	27	26	<25	<25	<25	<25
	throw					24	23	22	21	20.5	20	19.5	19	18.5
667	dp							15	14	12	11	9.5	8.5	7
	dB(A)							31	30	27	26	25	<25	<25
	throw							25	24	22.5	22	21.5	21	20
722	dp										12.5	11.5	10	8.5
	dB(A)										28	27	26	<25
	throw										25	24	23	22
778	dp													9.5
	dB(A)													25
	throw													24

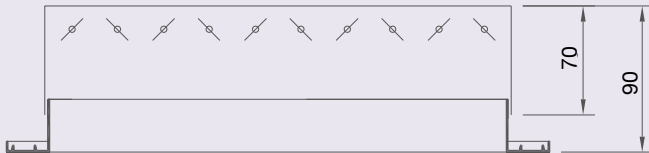
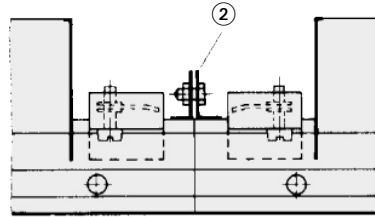
Rear Assemblies And Jointing Details

The rear assemblies are fitted at the factory to the various grille types. The possible combinations – grille plus rear assemblies – are shown in the tables.

Materials

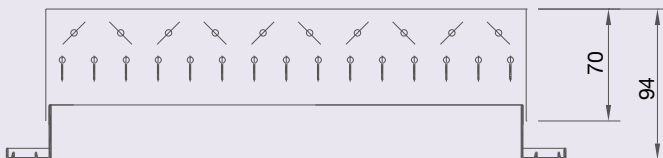
The rear assemblies are made from formed sheet steel. The surface is phosphate treated and stove enamelled black.

Jointing Details for continuous linear applications types: AH, VAT.



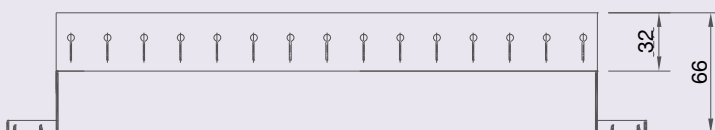
Rear AG

Opposed blade action volume control damper, adjustable from the front face.



Rear DG

Volume control damper as-AG plus a set of individually adjustable vertical air pattern control blades.



Rear D

A set of individually adjustable vertical air pattern control blades.

Order Details

Specification Text:

Grilles, grille cores and linear grilles suitable for supply or return air for installation in walls, floors or sills. Borders (except for grille cores) with corner mitres and rear perimeter sealing strip – horizontal or vertical profile front blades individually adjustable or fixed. Installation by visible screw fixing (punched and countersunk) or concealed fixing. For optimum air distribution, rear assemblies are fitted to grilles which can be adjusted directly at the grille face without demounting the face.

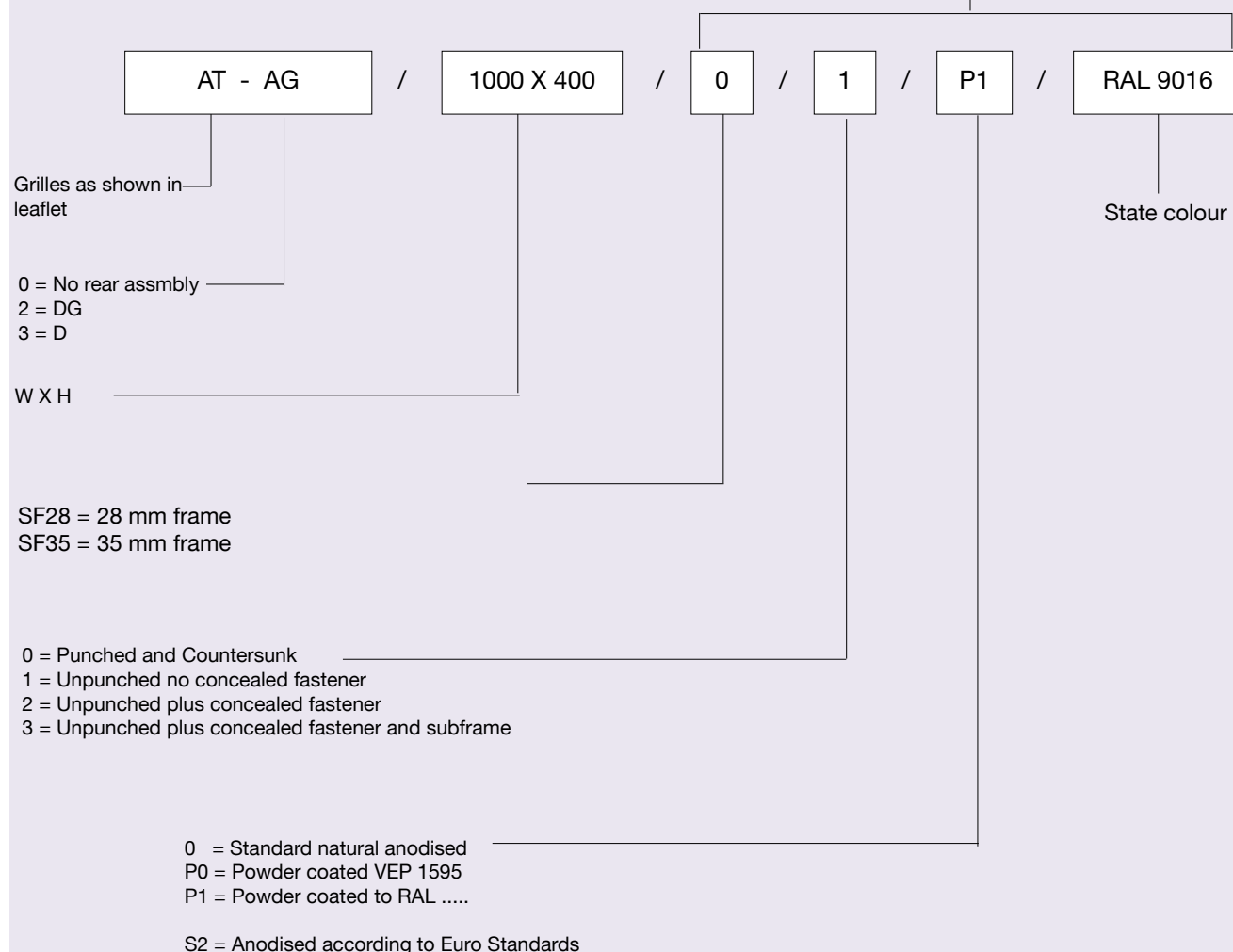
Materials

The grilles are made from extruded aluminium sections, with a natural anodised finish.

A variety of painted/powder coated finishes are available upon request.

Order Code

These codes need not be completed for standard products



Order example:

Make: TROX
Type: AT-AG/1000 X 400/0/1/P1/RAL 9016