

NOVA-D

An Aluminium Door Grille



Description

NOVA-D is a rectangular non-transparent aluminium grille with fixed blades. It is adequate for usage in such premises that require a higher emphasis on appearance and is designed for a free air flow through both sides of the grille.

Mounting

The NOVA-D grille can be mounted into the door using countersunk screws (type "1" mounting), or it can be supplied without pre-drilled holes for fixing using glue. It is possible to choose from two types of mounting frames for a more narrow (UR1) or a wider (UR2) door (please see Fig. 17).

Design

Material used:

The NOVA-D grille is manufactured from aluminium profiles with eloxal coating or, if appropriate, a powder-lacquered (RAL 9003 - signal white) surface finish; other RAL types are available upon request. The operation temperature range is -20 to 100°C

Ordering Code

		NOVA-D-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixing	screws	1			
	glue	2			
Dimensions		L × H			
Mounting frame	narrow	UR1			
	wide	UR2			
Surface finish ¹	anodized	AN			
	RAL9003	SW			
	other RAL color	RAL			

Ordering code example:

NOVA-D - 2 - 400 × 150 - UR1 - AN

An aluminium door grille with fixing to door using glue, intended for a structural opening with dimensions 400 × 150 mm, with a type 1 mounting frame.

- In case the RAL surface finish is not specified in the ordering code, the product will be delivered with a natural eloxal surface finish as default. If a RAL color different from RAL9003 is required, then „RAL“ shall be written in the ordering code. The exact color definition - the RAL number - shall be stated in the notes of the order.

Type of blades:

The grille's blades are fixed with an axial pitch 15 mm in the shape of an upturned letter "V". The blades overlap each other.

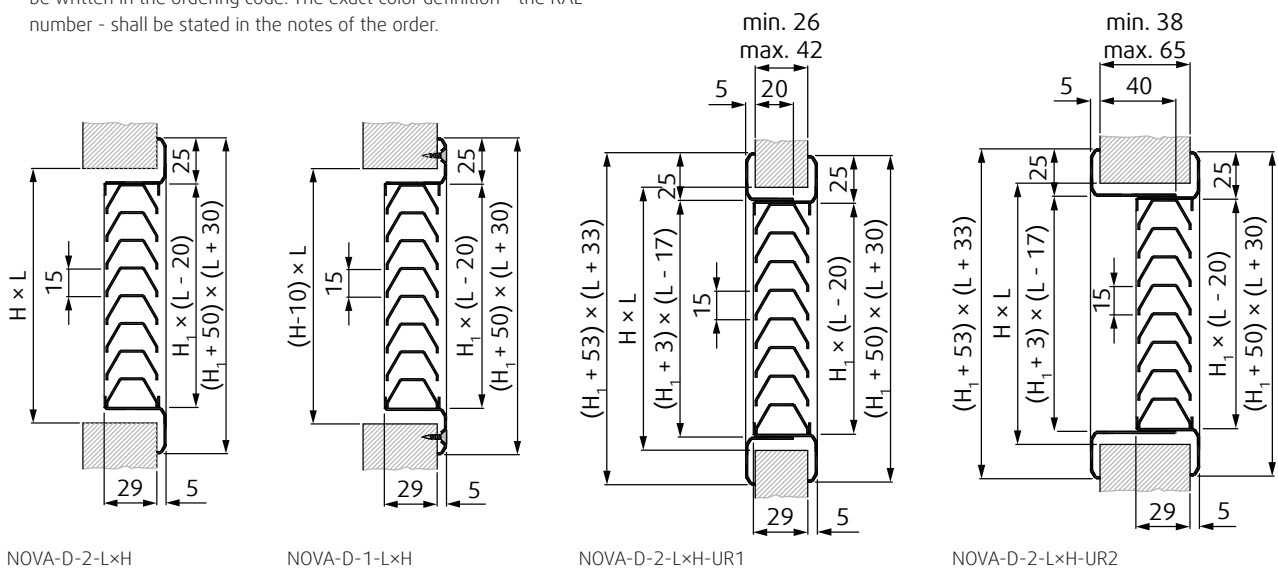


Fig. 11: Basic NOVA-D dimensions and grille types

Technical Details

Dimensions

Dimensions			Free area A_v	Weight		
L	H	H_1		m	UR1	UR2
(mm)			(m ²)	(kg)		
200	100	91	0,005	0,33	0,14	0,17
	150	136	0,007	0,43	0,15	0,19
	200	181	0,009	0,53	0,17	0,21
300	100	91	0,007	0,46	0,17	0,21
	150	136	0,011	0,60	0,18	0,23
	200	181	0,015	0,75	0,20	0,26
	300	286	0,023	1,09	0,23	0,30
400	100	91	0,010	0,58	0,20	0,30
	150	136	0,015	0,77	0,22	0,28
	200	181	0,020	0,96	0,23	0,30
	300	286	0,032	1,40	0,27	0,35
500	100	91	0,013	0,71	0,24	0,31
	150	136	0,019	0,94	0,25	0,33
	200	181	0,025	1,17	0,27	0,35
	300	286	0,040	1,71	0,30	0,39
600	100	91	0,015	0,84	0,27	0,35
	150	136	0,023	1,11	0,28	0,37
	200	181	0,031	1,38	0,30	0,39
	300	286	0,048	2,02	0,33	0,44
800	100	91	0,021	1,10	0,34	0,44
	150	136	0,031	1,45	0,35	0,46
	200	181	0,041	1,81	0,37	0,48
	300	286	0,065	2,64	0,40	0,53
1000	100	91	0,026	1,35	0,40	0,53
	150	136	0,039	1,79	0,42	0,55
	200	181	0,052	2,24	0,43	0,57
	300	286	0,082	3,27	0,47	0,62
1200	100	91	0,031	1,61	0,47	0,62
	150	136	0,047	2,13	0,49	0,64
	200	181	0,063	2,66	0,50	0,66
	300	286	0,099	3,89	0,54	0,71
1200	400	391	0,136	5,12	0,57	0,76
	500	491	0,172	6,34	0,60	0,80

Dimensions			Free area A_v	Weight		
L	H	H_1		m	UR1	UR2
(mm)			(m ²)	(kg)		
225	125	116	0,007	0,43	0,15	0,19
	225	211	0,012	0,66	0,18	0,23
325	125	116	0,011	0,59	0,19	0,24
	225	211	0,019	0,90	0,22	0,28
	325	316	0,028	1,27	0,25	0,33
425	125	116	0,014	0,75	0,22	0,28
	225	211	0,025	1,14	0,25	0,33
	325	316	0,037	1,61	0,29	0,37
525	425	416	0,050	2,07	0,32	0,42
	125	116	0,018	0,90	0,25	0,33
	225	211	0,031	1,39	0,28	0,37
	325	316	0,047	1,95	0,32	0,42
625	425	416	0,062	2,50	0,35	0,46
	525	511	0,075	2,99	0,38	0,51
	125	116	0,021	1,06	0,29	0,37
	225	211	0,037	1,63	0,32	0,42
825	325	316	0,056	2,29	0,35	0,46
	425	416	0,075	2,94	0,39	0,51
	525	511	0,091	3,51	0,42	0,55
	125	116	0,028	1,37	0,35	0,46
1025	225	211	0,050	2,11	0,38	0,51
	325	316	0,075	2,97	0,42	0,56
	425	416	0,099	3,82	0,45	0,60
	525	511	0,121	4,56	0,49	0,64
1225	125	116	0,036	1,68	0,42	0,56
	225	211	0,062	2,59	0,45	0,6
	325	316	0,093	3,64	0,49	0,65
	425	416	0,124	4,70	0,52	0,69
	525	511	0,151	5,60	0,55	0,73
1225	125	116	0,043	1,99	0,49	0,65
	225	211	0,075	3,07	0,52	0,69
	325	316	0,112	4,32	0,55	0,74
	425	416	0,149	5,57	0,59	0,78
	525	511	0,181	6,65	0,62	0,83

Tab. 16: Dimensions, free area and weight of the NOVA-D grilles