

LOUVRE WALL SYSTEMS



We inspire at www.duco.eu

HOME OF OXYGEN

DUCO Ventilation & Sun Control provides every building with a healthy supply of oxygen. With a comprehensive range of innovative natural and mechanical ventilation systems, either combined with external solar shading or otherwise, DUCO offers the ultimate guarantee of a healthy and comfortable indoor climate. The occupant's health is,

therefore, central to DUCO. A well-thought-out combination of basic ventilation, mechanical extraction, purge ventilation and solar shading ensures optimum air quality. DUCO provides an innovative solution for residential buildings, offices, schools or care centres where everyone feels at home.

DUCO, Home of Oxygen

DUCO
Ventilation & Sun Control

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DISCLAIMER

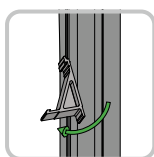
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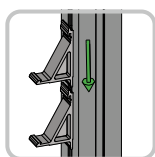
A SOLUTION FOR EVERY SITUATION

→ Quick assembly

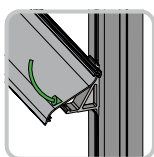
With Duco's patented **'Turn-Click' system** for DucoWall Classic and Acoustic, plastic louvre holders are pre-fastened to the support section. The louvre blades are easily clicked on to this.



1. Turn

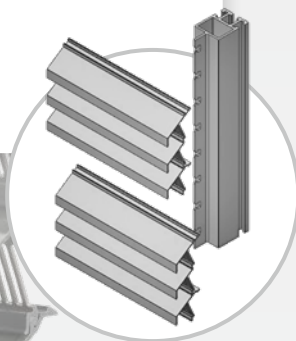


2. Click



3. Click

With Duco's patented **'Direct Clip' system** for DucoWall Solid and Screening, the louvre blades are clicked on to the support section directly, ensuring super-quick assembly.



Triple
Solid 30Z louvre blades

→ Aesthetic

The many type of louvre blade (Z, S, V, etc.) ensure a suitable look in each project.



Z



S



V

...

→ Finish

Each type of louvre wall is available in any colour: **F1***, every RAL colour, textured paint, special paints/lacquers, etc. Every type of louvre wall is lacquered as standard in SeaSide grade. In addition, every type of louvre wall in this brochure complies with the **Qualicoat** or **Qualanod** quality specifications.

* Except DucoWall Acoustic 150 / 300



→ Vandalism and intrusion security



Solid louvre blades are very sturdy and **'vandal-proof'**.



Each type of louvre wall (Solid, Classic*, Acoustic and Screening) and the DucoDoor Louvre and Grille have the option of being reinforced with **intrusion resistance up to RC2 class 2** in accordance with European standards.

* Except for DucoWall Classic W 60C/2, W 60C/3 and DucoWall Acoustic W 300

→ Insect screen and vermin screen

With DucoWall Solid louvre blades with small slots (P1), the **perforated louvre blades** act as an insect screen. With all other types (Solid P2, Classic, Acoustic and Screening), **optional 2.3 x 2.3 mm or 6 x 6 mm stainless-steel mesh** can be selected.



P1



P2



Stainless-steel mesh

→ Ventilation capacity

Each louvre wall is tested extensively and optimised by Duco's R&D department. The **'High Performance'** HP louvre blades in the DucoWall Classic range ensure excellent airflow thanks to low resistance.

Airflow performance class	Ce or Cd
1	> 0,4
2	0,3 - 0,399
3	0,2 - 0,299
4	≤ 0,199

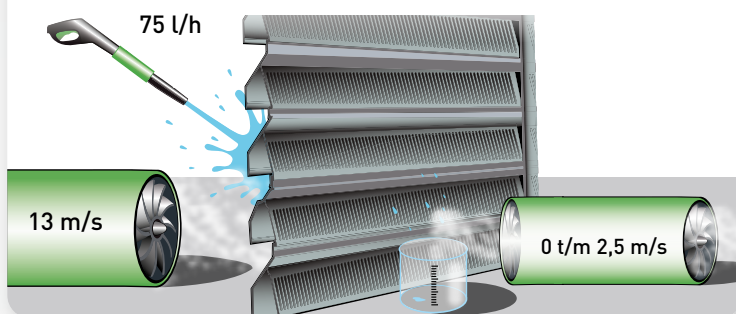


DucoWall Classic W 130HP

→ Water resistance

All DucoWall louvre wall systems have been tested by **BSRIA** in accordance with the water tightness tests developed in collaboration with HEVAC. The test simulates 75 litres per hour rainfall at a wind speed of 13 metres per second. A class is assigned to the louvre wall on the basis of the air velocity in the louvre wall and the % of water tightness.

Class A	100 - 99 %
Class B	98,5 - 95 %
Class C	94,9 - 80 %
Class D	< 80 %



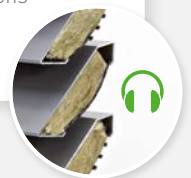
→ Penetration security

DucoWall Classic louvre walls with **V-louvre blades** are penetration proof.



→ Sound absorption

DucoWall **Acoustic** louvre blades are fitted on the inside with non-flammable mineral wool and are ideally suited for applications with high levels of noise intrusion.



→ Total solutions

DucoWall louvre wall systems can be fitted in residential and **non-residential buildings**. Duco's total solutions for **WORK, SCHOOL** and **CARE** use **ventilative cooling** and **exterior solar shading** for a healthy, comfortable and energy-efficient indoor climate. Please consult the brochures on our website for more information.







PRODUCTOVERVIEW

Duco has developed a wide range of louvre wall systems: intrusion-resistant, penetration-proof, water-resistant, for high flow rates, sound-absorbing, etc. Duco can offer a tailored-made system in every case: **you name it, we have it!**

Ventilation capacity

 = at intake
 = at outlet
 The longer the bar, the greater the airflow.

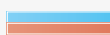
Maximum span

between two support sections at 800 Pa and pressure coefficient: 1.2

DUCOWALL SOLID

Sturdy aluminium blades that connect to one another ensure **vandal-proof** louvre walls with a minimal support structure. **Very quick assembly** thanks to Duco's patented 'Direct-Clip' system.

⑥ DucoWall **Solid** W 30Z



← 1970 mm →

see p. 8

DUCOWALL CLASSIC

Aluminium louvre wall system with **plastic louvre blade holders**. Quick assembly with Duco's 'Turn-Click' system. These louvre blade holders can be fitted on the support section separately, enabling a **perfect finish** to be achieved.

⑥ DucoWall **Classic** W 20Z



← 1200 mm →

see p. 10

⑥ DucoWall **Classic** W 20V



← 1850 mm →

see p. 11

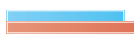
DucoWall **Classic** W 35V



← 2650 mm →

see p. 12

DucoWall **Classic** W 50Z/30°



← 2050 mm →

see p. 13

⑥ DucoWall **Classic** W 50Z



← 1550 mm →

see p. 14

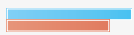
⑥ DucoWall **Classic** W 50S



← 1550 mm →

see p. 15

⑥ DucoWall **Classic** W 50/75Z



← 1550 mm →

see p. 16

⑥ DucoWall **Classic** W 50/75S



← 1550 mm →

see p. 17

⑥ DucoWall **Classic** W 70S



← 1700 mm →

see p. 18

⑥ DucoWall **Classic** W 70V



← 2150 mm →

see p. 19

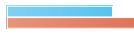
DucoWall **Classic** W 90S



← 1800 mm →

see p. 20

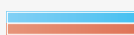
⑥ DucoWall **Classic** W 45HP



← 1330 mm →

see p. 21

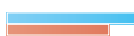
⑥ DucoWall **Classic** W 50HP



← 1100 mm →

see p. 22

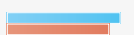
⑥ DucoWall **Classic** W 130HP



← 2300 mm →

see p. 23

DucoWall **Classic** W 80HP



← 1350 mm →

see p. 24

DucoWall **Classic** W 60C



← 1250 mm →

see p. 25

Legend



Vandal-proof
The louvre wall is
vandal-proof.



RC2

Intrusion resistant
The louvre wall is
(optionally) intrusion-resistant up to
Class 2.



Penetration safety
The louvre wall is
penetration-proof.



Water-resistant
The louvre wall is wa-
ter-resistant to a **high**
to **very high** degree



High Performance
The louvre blades are
optimized for high
airflow



Sound absorption
Can be used in projects
with **light** or **heavy (+)**
noise exposure

Ventilation capacity

— = at intake
— = at outlet

The longer the bar,
the greater the airflow.

Maximum span

between two support sections
at 800 Pa
and pressure coefficient: 1.2

DUCOWALL ACOUSTIC

Aluminium louvre wall system with louvre blades that are fitted with **sound-absorbing**, non-flammable mineral wool.
Quick assembly with Duco's patented 'Turn-Click' system.

⑥ DucoWall Acoustic W 75Z			← 1700 mm →	see p. 26
⑥ DucoWall Acoustic W 75L			← 1650 mm →	see p. 26
⑥ DucoWall Acoustic W 150			← 2150 mm →	see p. 27
DucoWall Acoustic W 300			← 2150 mm →	see p. 27

DUCOWALL SCREENING

Aluminium louvre wall system that is eminently suitable for projects where the wall acts primarily as **screening**.
These systems guarantee **very quick assembly**.

DucoWall Screening 35		← 2000 mm →	see p. 30
DucoWall Screening 70		← 2400 mm →	see p. 31

ROOF TURRETS

Kits and components to build roof cowls with DucoWall louvre blades.

Duco Roof Turret Solid 30Z		see p. <?>
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DUCODOOR LOUVRE DOORS

Ventilated louvre doors or false louvre doors, optionally either integrated or not in the louvre wall.

Duco Door Wall		Louvre door in louvre wall system without specific requirements	see p. 35
Duco Door Louvre	RC2	Ventilated louvre door or false louvre door in the louvre wall system with specific requirements for intrusion resistance and/or draught-proofing	see p. 36
Duco Door Grille	RC2	Free-standing ventilated louvre door or false louvre door, either with or without specific requirements for intrusion resistance and/or draught-proofing	see p. 37

WALL AND WINDOW LOUVRE GRILLES

Louvre blades with ⑥ are also available as wall and/or window louvre grilles (DucoGrille).
Please refer to our 'Wall and window louvre grilles' brochure for more information.

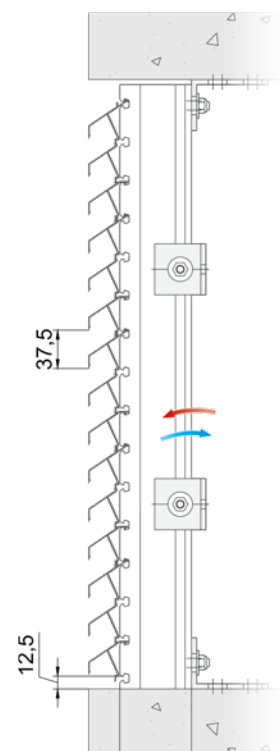




Vandal-proof

DucoWall Solid W 30Z

DucoWall Solid 30Z louvre blades offer high ventilation capacity with relatively small louvre blades. The 'stackable' louvre blades form a single whole, making them **extra strong** and **vandal-proof**. The strong louvre blade system requires a minimal support structure. Duco's 'Direct Clip' system ensures **very quick assembly**.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	40/21 (Double)	40/70 Double
Spacing of the louvre (pitch)	37,5 mm	
Louvre depth	30 mm	
Recess depth	52 mm	102 mm
Maximum span between 2 support sections	← 1970 mm →	

VENTILATION VALUES

		P1	P2
Visual free area		60 %	86 %
Physical free area		34 %	48 %
Ce (higher is better)		0,24	0,28
Cd (higher is better)		0,23	0,28
K-FACTOR (lower is better)	INLET	17,70	12,85
	OUTLET	18,30	12,73



WATER RESISTANCE

Air velocity	Class	
	P1	P2
0 m/s	A [99,1%]	B [97,55%]
0,5 m/s	B	B [95,42%]
1 m/s	B [97,04%]	C
1,5 m/s	B [95,44%]	C [88,96%]
2 m/s	C [86,74%]	C [82,3%]
2,5 m/s	D	D

Slots

DucoWall Solid W 30Z is available with louvre blades with **small slots (P1)**, **large slots (P2)** or without slots as **false louveres (NP)**. Combining the two in the same project ensures a uniform appearance.

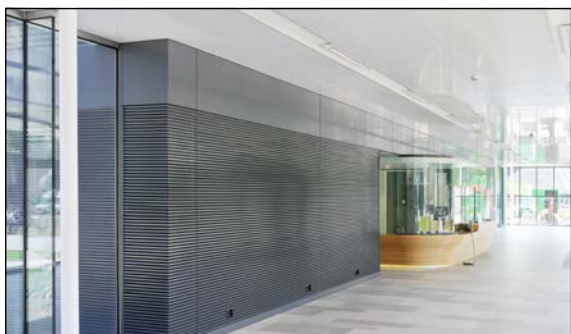
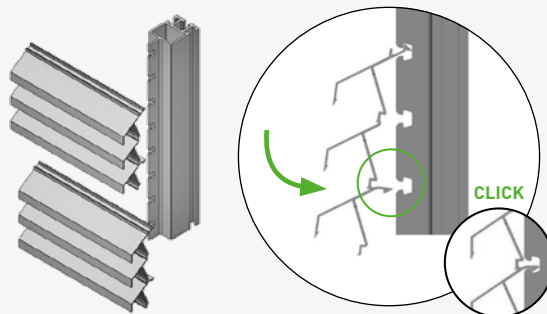
INSECT SCREEN

Slots	P1	P2	NP
Resistant to...	Perforated louvre blades as insect screen	Perforated louvre blades as bird screen OPTIONS Stainless steel mesh, 2.3 x 2.3 mm  Stainless steel mesh, 6 x 6 mm 	100 % false louvre

SUPERFAST ASSEMBLY

DucoWall Solid W 30Z is made up of **triple louvre blades** that are clicked together one above the other onto the support section using Duco's 'Direct Clip' system. This ensures a very sturdy unit and extremely quick assembly.

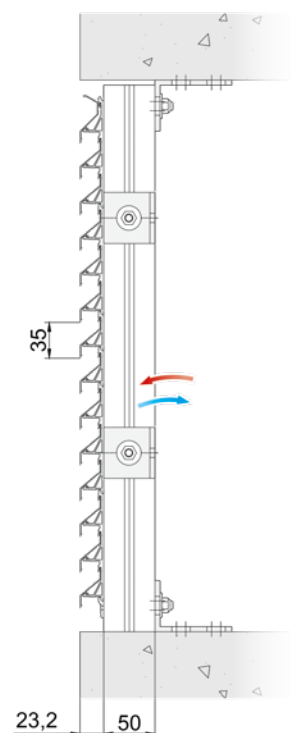
The final row can be finished off with a single louvre blade.





DucoWall Classic W 20Z

DucoWall Classic W 20Z is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The “Z”-shaped louvre blade produces a sleek design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	35 mm			
Louvre depth	23 mm			
Recess depth	35 mm	73 mm	73 mm	148 mm
Maximum span between 2 support sections	← 1200 mm →			



VENTILATION VALUES

Visual free area		63 %
Physical free area		47 %
Ce (higher is better)		0,21
Cd (higher is better)		0,18
K-FACTOR (lower is better)	INLET	22,73
	OUTLET	30,52

WATER RESISTANCE

Air velocity	Class
0 m/s	C (94,87%)
0,5 m/s	C (93,15%)
1 m/s	D
1,5 m/s	D (75,4%)
2 m/s	D
2,5 m/s	D

INSECT SCREEN

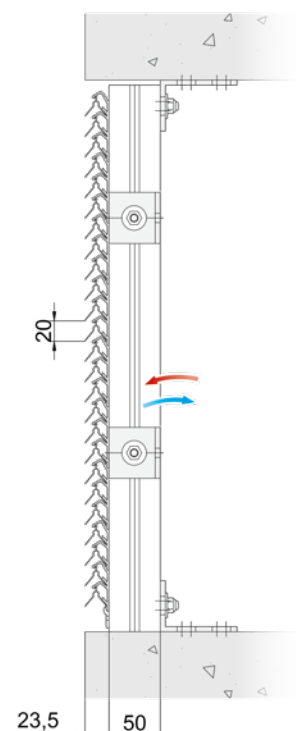
The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



Good water resistance Penetration safety

DucoWall Classic W 20V

DucoWall Classic W 20V is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique **"V"-shaped louvre blade** ensures better water resistance and makes the louvre wall 'penetration-proof' and difficult to see through from the outside.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	20 mm			
Louvre depth	23 mm			
Recess depth	35 mm	73 mm	73 mm	148 mm
Maximum span between 2 support sections	← 1850 mm →			



VENTILATION VALUES

Visual free area	95 %	
Physical free area	37 %	
Ce (higher is better)	0,15	
Cd (higher is better)	0,15	
K-FACTOR (lower is better)	INLET	42,93
	OUTLET	47,1

WATER RESISTANCE

Air velocity	Class
0 m/s	A (99,9%)
0,5 m/s	A (99,7%)
1 m/s	B (98,65%)
1,5 m/s	B
2 m/s	C
2,5 m/s	D

INSECT SCREEN

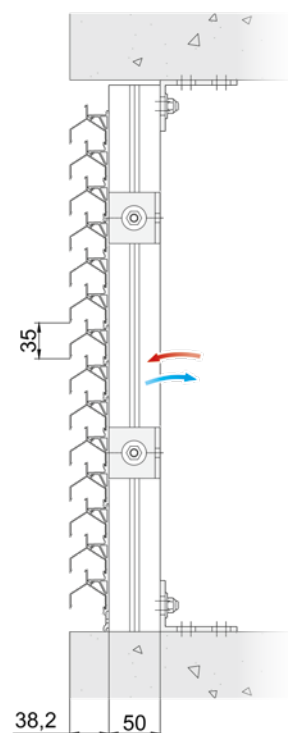
The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



Good water resistance Penetration safety

DucoWall Classic W 35V

DucoWall Classic W 35V is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique **"V"-shaped louvre blade** ensures better water resistance and makes the louvre wall 'penetration-proof' and difficult to see through from the outside.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	35 mm			
Louvre depth	38 mm			
Recess depth	50 mm	88 mm	88 mm	163 mm
Maximum span between 2 support sections	← 2650 mm →			

VENTILATION VALUES

Visual free area	59 %	
Physical free area	35 %	
Ce (higher is better)	0,13	
Cd (higher is better)	0,14	
K-FACTOR (lower is better)	INLET	59,06
	OUTLET	54,49

WATER RESISTANCE

Air velocity	Class
0 m/s	A (100%)
0,5 m/s	A (99,51%)
1 m/s	B (98,5%)
1,5 m/s	C (89,73%)
2 m/s	D (46,42%)
2,5 m/s	D

INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	

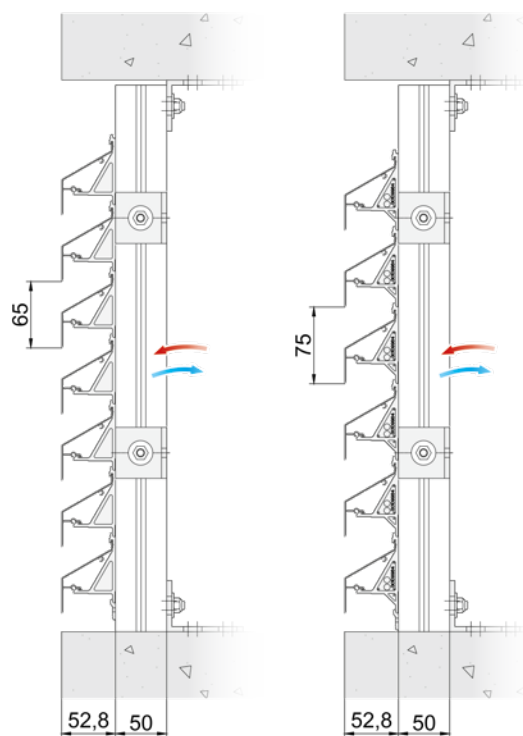


DucoWall Classic W 50Z/30°

DucoWall Classic W 50Z/30° is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The "Z"-shaped louvre blade produces a sleek design. The louvre wall is available with 65 or 75 mm spacing.

DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	65 or 75 mm			
Louvre depth	53 mm			
Recess depth	65 mm	103 mm	103 mm	178 mm
Maximum span between 2 support sections	← 2050 mm →			



Louvre pitch 65

Louvre pitch 75

VENTILATION VALUES

Louvre pitch		65	75
Visual free area		41 %	49 %
Physical free area		40 %	46 %
Ce (higher is better)		0,26	0,31
Cd (higher is better)		0,31	0,34
K-FACTOR (lower is better)	INLET	14,54	10,23
	OUTLET	10,52	8,66

WATER RESISTANCE

Air velocity	Class	
	Louvre pitch	
	65	75
0 m/s	B (96,89%)	B (96,69%)
0,5 m/s	C (93,85%)	C (93,85%)
1 m/s	C (89,29%)	C (91,71%)
1,5 m/s	C (82,73%)	C (84,33%)
2 m/s	D	D
2,5 m/s	D	D

INSECT SCREEN

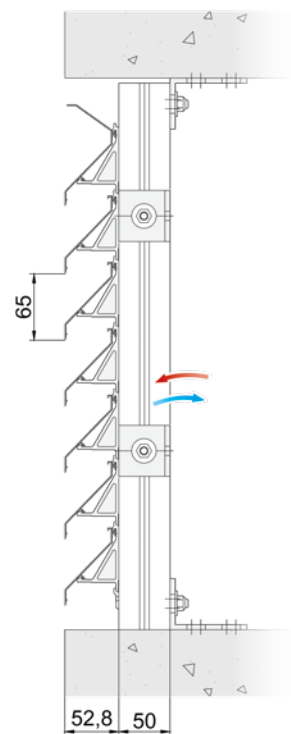
The following stainless-steel mesh can be provided as an **OPTION**

Stainless steel mesh 2.3 x 2.3 mm			
Stainless steel mesh 6 x 6 mm			



DucoWall Classic W 50Z

DucoWall Classic W 50Z is a louvre wall system that can be placed against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The "Z"-shaped louvre blade produces a sleek design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	65 mm			
Louvre depth	53 mm			
Recess depth	65 mm	103 mm	103 mm	178 mm
Maximum span between 2 support sections	← 1550 mm →			



VENTILATION VALUES

Visual free area	75 %	
Physical free area	52 %	
Ce (higher is better)	0,23	
Cd (higher is better)	0,20	
K-FACTOR (lower is better)	INLET	19,00
	OUTLET	25,17

WATER RESISTANCE

Air velocity	Class
0 m/s	B
0,5 m/s	B (96,77%)
1 m/s	C (93,47%)
1,5 m/s	C (90,53%)
2 m/s	D
2,5 m/s	D

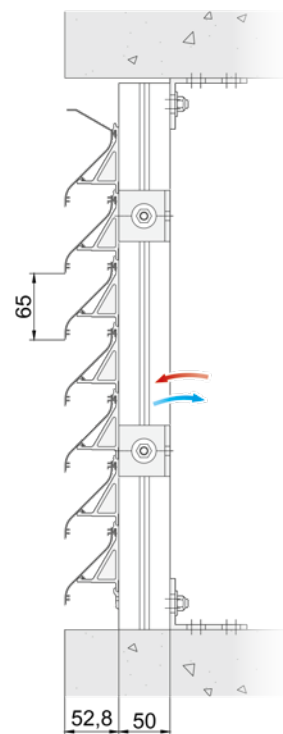
INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



DucoWall Classic W 50S

DucoWall Classic W 50S is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique "S"-shaped louvre blade produces a stylish design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	65 mm			
Louvre depth	53 mm			
Recess depth	65 mm	103 mm	103 mm	178 mm
Maximum span between 2 support sections	← 1550 mm →			



VENTILATION VALUES

Visual free area		75 %
Physical free area		52 %
Ce (higher is better)		0,24
Cd (higher is better)		0,21
K-FACTOR (lower is better)	INLET	17,38
	OUTLET	23,48

WATER RESISTANCE

Air velocity	Class
0 m/s	B
0,5 m/s	B (96,55%)
1 m/s	C (94,09%)
1,5 m/s	C (91,71%)
2 m/s	D
2,5 m/s	D

INSECT SCREEN

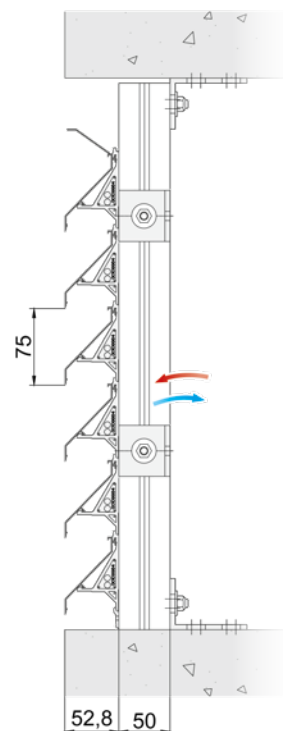
The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



DucoWall

Classic W 50/75Z

DucoWall Classic W 50/75Z is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The "Z"-shaped louvre blade produces a sleek design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	75 mm			
Louvre depth	53 mm			
Recess depth	65 mm	103 mm	103 mm	178 mm
Maximum span between 2 support sections	← 1550 mm →			

VENTILATION VALUES

Visual free area	80 %
Physical free area	54 %
Ce (higher is better)	0,33
Cd (higher is better)	0,27
K-FACTOR (lower is better)	INLET 9,00
	OUTLET 13,87

WATER RESISTANCE

Air velocity	Class
0 m/s	B (98.6%)
0,5 m/s	C
1 m/s	C (94.7%)
1,5 m/s	C
2 m/s	C (82.2%)
2,5 m/s	D

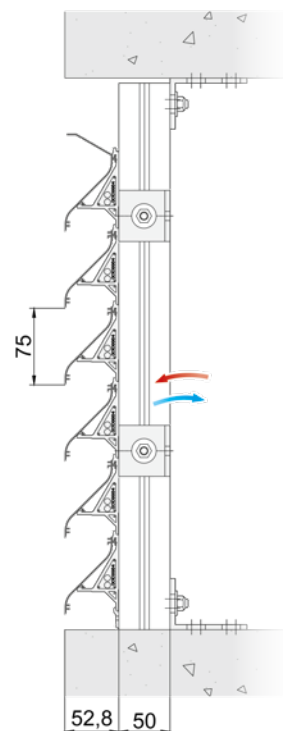
INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



DucoWall Classic W 50/75S

DucoWall Classic W 50/75S is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique "S"-shaped louvre blade produces a stylish design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	75 mm			
Louvre depth	53 mm			
Recess depth	65 mm	103 mm	103 mm	178 mm
Maximum span between 2 support sections	← 1550 mm →			

VENTILATION VALUES

Visual free area		80 %
Physical free area		54 %
Ce (higher is better)		0,34
Cd (higher is better)		0,27
K-FACTOR (lower is better)	INLET	8,75
	OUTLET	13,62

WATER RESISTANCE

Air velocity	Class
0 m/s	B (98.6%)
0,5 m/s	C
1 m/s	C (94.7%)
1,5 m/s	C
2 m/s	C (82.2%)
2,5 m/s	D

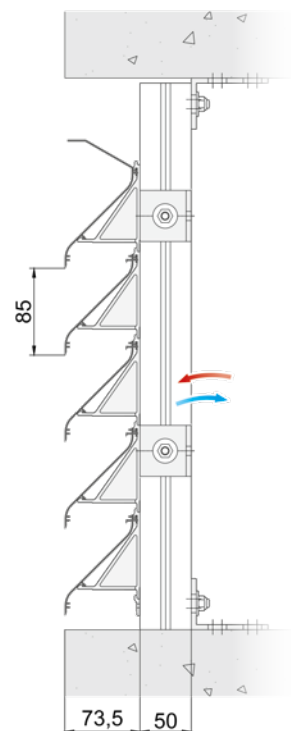
INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



DucoWall Classic W 70S

DucoWall Classic W 70S is a louvre wall system that can be fitted against an existing structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique "S"-shaped louvre blade produces a stylish design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	85 mm			
Louvre depth	74 mm			
Recess depth	85 mm	123 mm	123 mm	198 mm
Maximum span between 2 support sections	← 1700 mm →			

VENTILATION VALUES

Visual free area		79 %
Physical free area		53 %
Ce (higher is better)		0,24
Cd (higher is better)		0,24
K-FACTOR (lower is better)	INLET	16,80
	OUTLET	18,00

WATER RESISTANCE

Air velocity	Class
0 m/s	B
0,5 m/s	C
1 m/s	C (94,27%)
1,5 m/s	C
2 m/s	C (84,90%)
2,5 m/s	D

INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



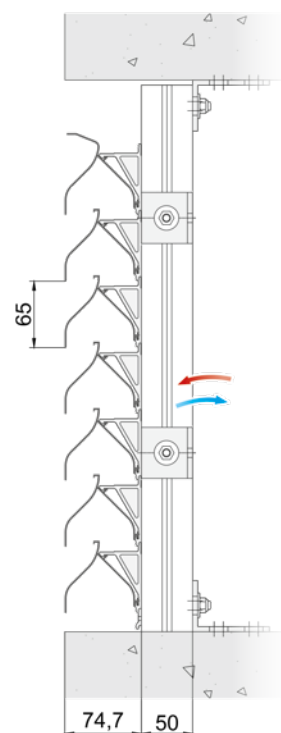
Good water resistance



Penetration safety

DucoWall Classic W 70V

DucoWall Classic W 70V is a louvre wall system that can be fitted against an existing structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique **"V"-shaped louvre blade** ensures better water resistance and makes the louvre wall 'penetration-proof' and difficult to see through from the outside.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	65 mm			
Louvre depth	75 mm			
Recess depth	87 mm	125 mm	125 mm	200 mm
Maximum span between 2 support sections	← 2150 mm →			



VENTILATION VALUES

Visual free area	65 %	
Physical free area	44 %	
Ce (higher is better)	0,12	
Cd (higher is better)	0,11	
K-FACTOR (lower is better)	INLET	72,79
	OUTLET	83,88

WATER RESISTANCE

Air velocity	Class
0 m/s	A
0,5 m/s	B (98,98%)
1 m/s	B (95,53%)
1,5 m/s	C (80,43%)
2 m/s	D
2,5 m/s	D

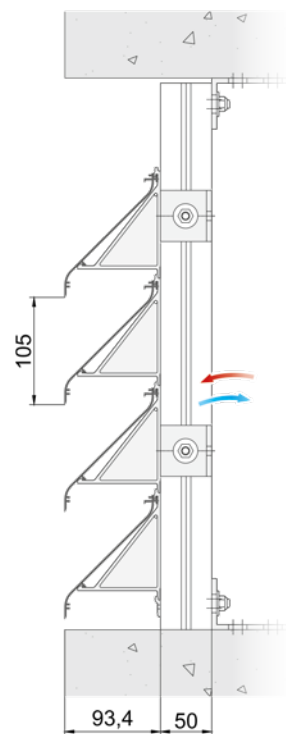
INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



DucoWall Classic W 90S

DucoWall Classic W 90S is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The unique "S"-shaped louvre blade produces a stylish design.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	105 mm			
Louvre depth	94 mm			
Recess depth	106 mm	144 mm	144 mm	218 mm
Maximum span between 2 support sections	← 1800 mm →			

VENTILATION VALUES

Visual free area	80 %	
Physical free area	54 %	
Ce (higher is better)	0,25	
Cd (higher is better)	0,24	
K-FACTOR (lower is better)	INLET	16,35
	OUTLET	17,44

WATER RESISTANCE

Air velocity	Class
0 m/s	A
0,5 m/s	B
1 m/s	C (94,98%)
1,5 m/s	C
2 m/s	C (81,84%)
2,5 m/s	D

INSECT SCREEN

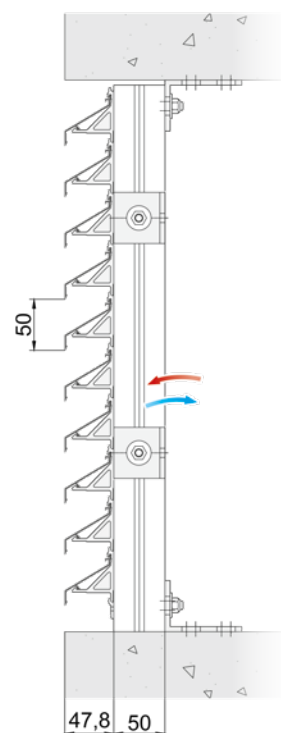
The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



High Performance

DucoWall Classic W 45HP

The DucoWall Classic W 45HP combines **very good airflow** with a **“Z”-shaped louvre blade** for a sleek design. This makes the DucoWall Classic W 45HP suitable for intensive ventilation in projects with specific aesthetic requirements.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	50 mm			
Louvre depth	48 mm			
Recess depth	60 mm	98 mm	98 mm	173 mm
Maximum span between 2 support sections	← 1330 mm →			

VENTILATION VALUES

Visual free area		70 %
Physical free area		60 %
Ce (higher is better)		0,28
Cd (higher is better)		0,39
K-FACTOR (lower is better)	INLET	12,66
	OUTLET	6,68

WATER RESISTANCE

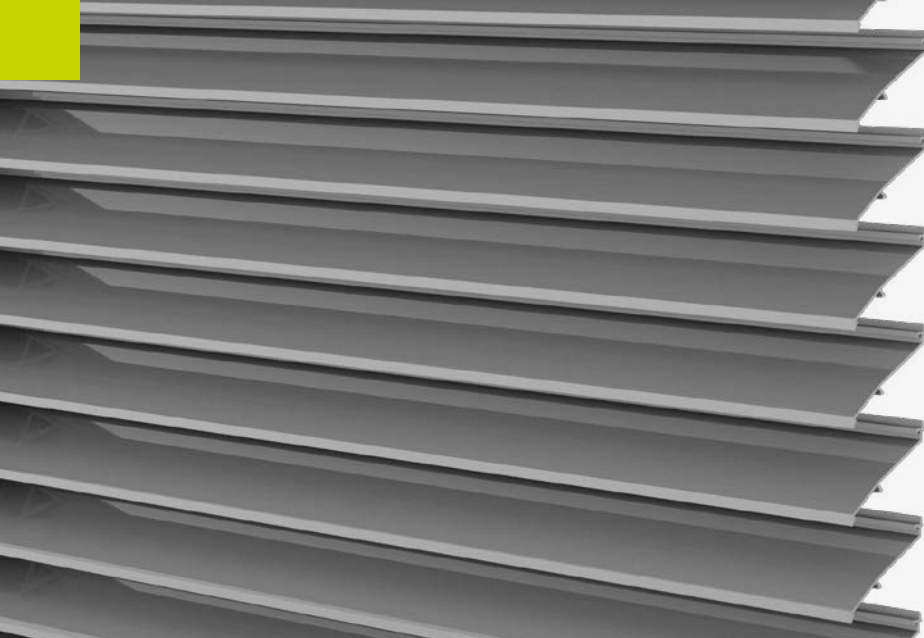
Air velocity	Class
0 m/s	B
0,5 m/s	B
1 m/s	C
1,5 m/s	C
2 m/s	C
2,5 m/s	D

INSECT SCREEN

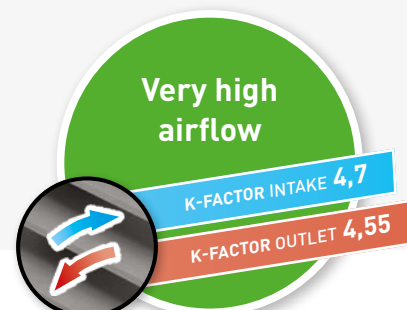
The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



→ Summary of support sections: see page 41
→ Full specifications: see page 43

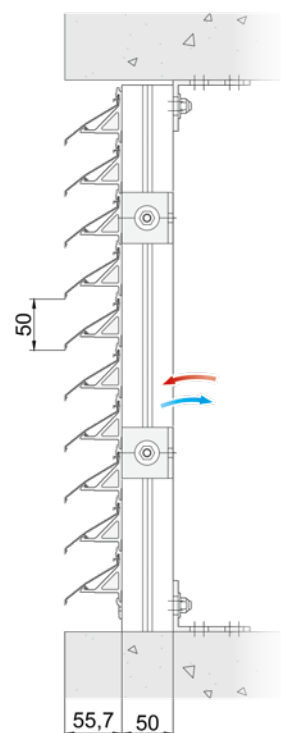


High Performance



DucoWall Classic W 50HP

The DucoWall Classic W 50HP has been specially developed **for intensive ventilation**. The uniquely shaped 'High Performance' louvre blade with a low resistance factor ensures **very good airflow**. The DucoWall Classic W 50HP is a louvre wall system that can be fitted against an existing structure. Quick and easy assembly is possible because of the 'Turn-Click' system.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	50 mm			
Louvre depth	56 mm			
Recess depth	68 mm	106 mm	106 mm	181 mm
Maximum span between 2 support sections	← 1100 mm →			

VENTILATION VALUES

Visual free area	88 %
Physical free area	68 %
Ce (higher is better)	0,46
Cd (higher is better)	0,47
K-FACTOR (lower is better)	INLET 4,7
	OUTLET 4,55

WATER RESISTANCE

Air velocity	Class
0 m/s	C (92,3%)
0,5 m/s	C (89,80%)
1 m/s	C (86,5%)
1,5 m/s	D (79,7%)
2 m/s	D
2,5 m/s	D

INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



High Performance

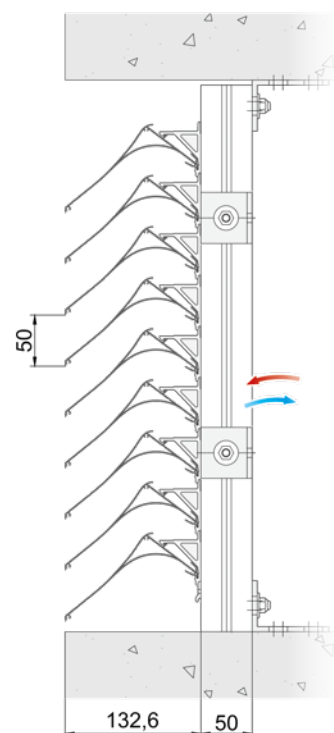


Excellent water resistance



DucoWall Classic W 130HP

The DucoWall Classic W 130HP has been specially developed for **intensive ventilation**. The uniquely shaped 'High Performance' louvre blade with a low resistance factor provides a combination of **very good airflow** (high flow rates) together with **excellent water resistance (class A)**. DucoWall Classic W 130HP is a louvre wall system that can be fitted against an existing structure. Quick and easy assembly is possible because of the 'Turn-Click' system.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	50 mm			
Louvre depth	133 mm			
Recess depth	145 mm	183 mm	183 mm	258 mm
Maximum span between 2 support sections	← 2300 mm →			

VENTILATION VALUES

Visual free area	88 %
Physical free area	70 %
Ce (higher is better)	0,34
Cd (higher is better)	0,27
K-FACTOR (lower is better)	INLET 8,55
	OUTLET 13,42

WATER RESISTANCE

Air velocity	Class
0 m/s	A
0,5 m/s	A
1 m/s	A
1,5 m/s	A
2 m/s	A
2,5 m/s	A

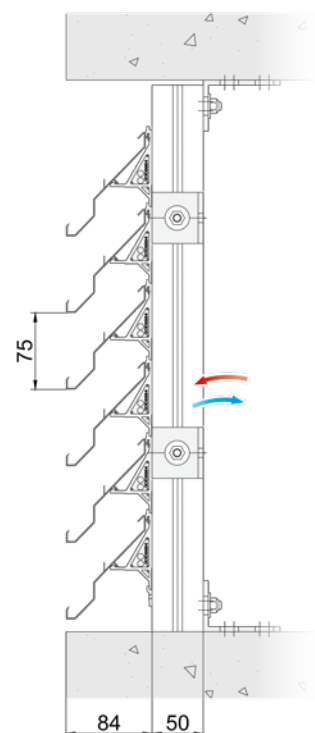
INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



DucoWall Classic W 80HP

DucoWall Classic W 80HP is a louvre wall system that can be fitted against an existing structure. Quick and easy assembly is possible because of the 'Turn-Click' system. The uniquely shaped 'High Performance' louvre blade provides **good water resistance** and **high airflow**.



DIMENSIONS AND SUPPORT SECTIONS

Support section type	50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)	75 mm			
Louvre depth	84 mm			
Recess depth	96 mm	134 mm	134 mm	209 mm
Maximum span between 2 support sections	← 1350 mm →			



VENTILATION VALUES

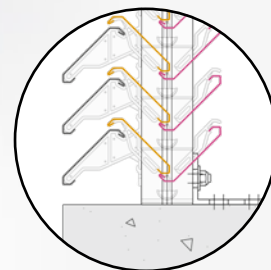
Visual free area		83 %
Physical free area		49 %
Ce (higher is better)		0,30
Cd (higher is better)		0,27
K-FACTOR (lower is better)	INLET	11,19
	OUTLET	13,62

WATER RESISTANCE

Air velocity	Class
0 m/s	A (99,2%)
0,5 m/s	B (98%)
1 m/s	B (97,0%)
1,5 m/s	C
2 m/s	C (89,9%)
2,5 m/s	C

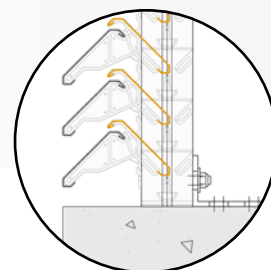
INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



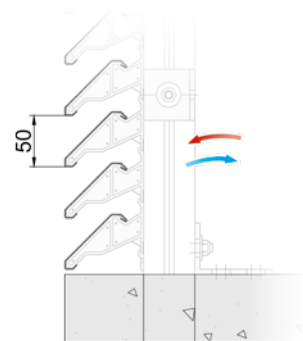
W 60C/3

triple row of louvre blades



W 60C/2

double row of louvre blades



W 60C

single row of louvre blades

DucoWall Classic W 60C

DucoWall Classic W 60C is a 'feature' louvre wall system, manufactured from 'cold-rolled' rather than extruded, aluminium louvre blades. The plastic louvre holders ensure a unique sturdiness. The three versions (**single, double or triple**) combine maximum airflow with **very high water resistance**, even in extreme weather conditions.

DIMENSIONS AND SUPPORT SECTIONS

Support section type		50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)		50 mm			
Louvre depth		77 mm			
Recess depth	60C	89 mm	127 mm	127 mm	202 mm
	60C/2	x			
	60C/3				
Maximum span between 2 support sections		← 1250 mm →			

INSECT SCREEN

The following stainless steel mesh can be provided as an **OPTION** (only available for W 60C)

Stainless steel mesh **2.3 x 2.3 mm**



Stainless steel mesh **6 x 6 mm**



VENTILATION VALUES

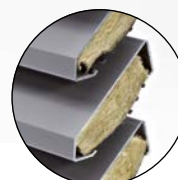
		60C	60C/2	60C/3
Visual free area		84 %	84 %	84 %
Physical free area		46 %	36 %	36 %
Ce (higher is better)		0,32	0,21	0,18
Cd (higher is better)		0,30	0,20	0,15
K-FACTOR (lower is better)	INLET	10,05	23,09	31,06
	OUTLET	10,75	26,13	42,78

WATER RESISTANCE

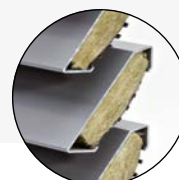
Air velocity	Class		
	60C	60C/2	60C/3
0 m/s	B (95,2%)	A (99,9%)	A (100%)
0,5 m/s	C	A (99,9%)	A (100%)
1 m/s	C (81,4%)	B (98,9%)	A (100%)
1,5 m/s	D	C	A (100%)
2 m/s	D	C (87,9%)	A (100%)
2,5 m/s	D	C	C



Suitable for moderate noise levels



W 75Z



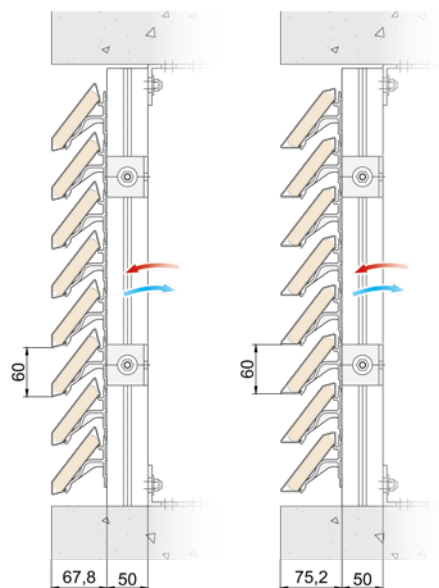
W 75L

DucoWall Acoustic W 75Z & 75L

The DucoWall Acoustic W 75Z and W 75L are **sound-absorbing** louvre wall systems, manufactured from extruded aluminium sections profiles that feature sound absorbing, non-flammable mineral wool. The louvre blade can be clicked onto the plastic louvre holders **in both the Z-shape and the L-shape** for different aesthetic finishes.

DIMENSIONS AND SUPPORT SECTIONS

Support section type		50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)		60 mm			
Louvre depth		67 mm			
Recess depth	75Z	79 mm	117 mm	117 mm	192 mm
	75L	87 mm	125 mm	125 mm	200 mm
Maximum span between 2 support sections	75Z	← 1700 mm →			
	75L	← 1650 mm →			



W 75Z

W 75L

SOUND ABSORPTION

Attenuation value R_w (C;Ctr)	
W 75Z	W 75L
6 [0;-1] dB	6 [0;-2] dB

VENTILATION VALUES

	75Z	75L
Visual free area	76 %	95 %
Physical free area	28 %	28 %
Ce (higher is better)	0,24	0,25
Cd (higher is better)	0,21	0,29
K-FACTOR (lower is better)	INLET	16,93
	OUTLET	21,83

WATER RESISTANCE

Air velocity	Class	
	75Z	75L
0 m/s	B (97,8%)	B (97,2%)
0,5 m/s	B (95,1%)	C (93,9%)
1 m/s	C (89,4%)	C (88,2%)
1,5 m/s	D (77,3%)	D (75,0%)
2 m/s	D	D
2,5 m/s	D	D

INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	



Suitable for high noise levels



W 150



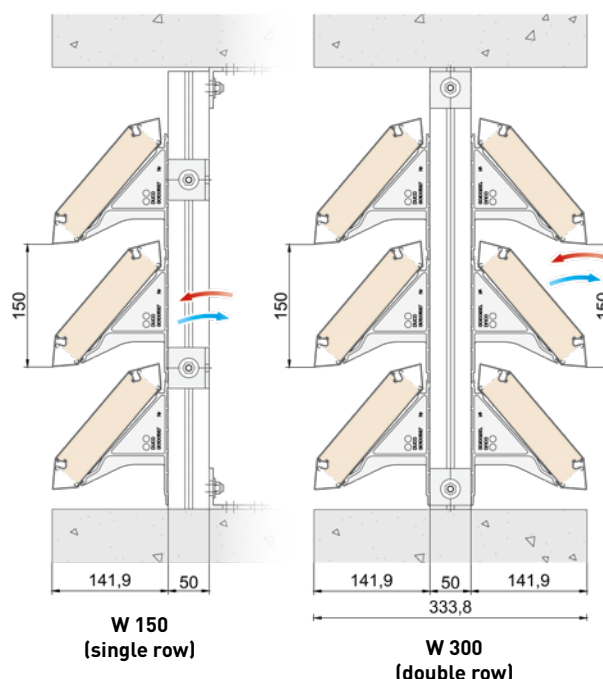
W 300

DucoWall Acoustic W 150 & 300

The DucoWall Acoustic W 150 is a sound-absorbing louvre wall system, manufactured from extruded aluminium sections featuring sound-absorbing, non-flammable mineral wool, suitable for **additional acoustic attenuation**. With the DucoWall Acoustic W 300, two 150 louvre blades are fitted next to each other for optimum sound absorption.

DIMENSIONS AND SPECIFICATIONS

Support section type		50/12	21/50 Multi	50/50	50/125
Spacing of the louvre (pitch)		150 mm			
Louvre depth		142 mm			
Recess depth	150	154 mm	192 mm	192 mm	267 mm
	300				x
Maximum span between 2 support sections		← 2150 mm →			



SOUND ABSORPTION

Attenuation value R_w [C;Ctr]	
W 150	W 300
11 [-1;-2] dB	17 [-1;-3] dB

VENTILATION VALUES

	150	300
Visual free area	74 %	74 %
Physical free area	35 %	35 %
Ce (higher is better)	0,30	0,27
Cd (higher is better)	0,30	0,27
K-FACTOR (lower is better)	INLET	11,04 13,52
	OUTLET	10,96 13,52

WATER RESISTANCE

Air velocity	Class	
	150	300
0 m/s	B [98%]	A [99,5%]
0,5 m/s	C [94,7%]	B [98,7%]
1 m/s	C [90,3%]	B [96,7%]
1,5 m/s	C [82,5%]	C [93,2%]
2 m/s	D [67,7%]	C [87,17%]
2,5 m/s	D	D [76,2%]

INSECT SCREEN

The following stainless-steel mesh can be provided as an OPTION	
Stainless steel mesh 2.3 x 2.3 mm	
Stainless steel mesh 6 x 6 mm	

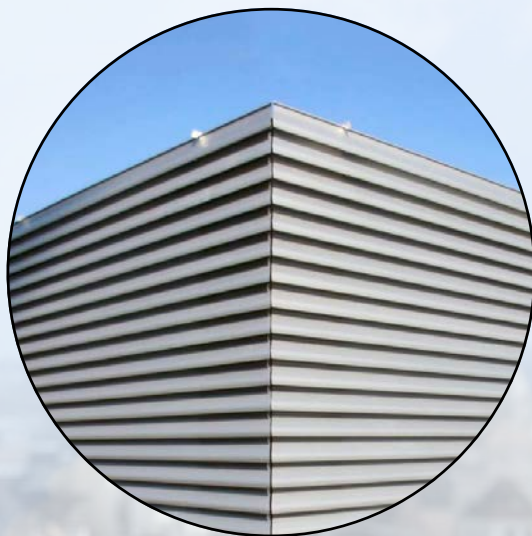
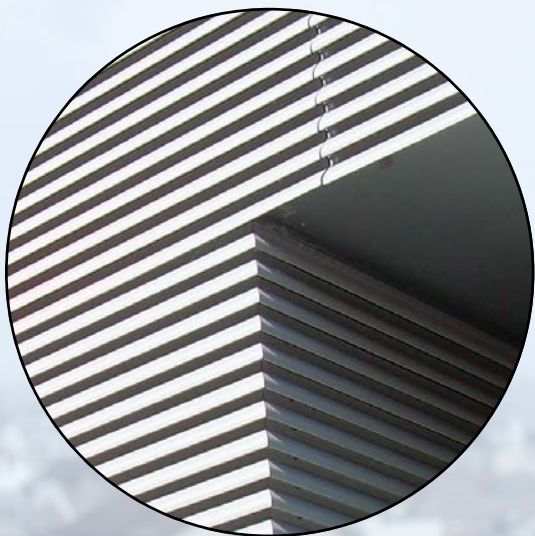
DUCOWALL SCREENING

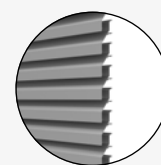
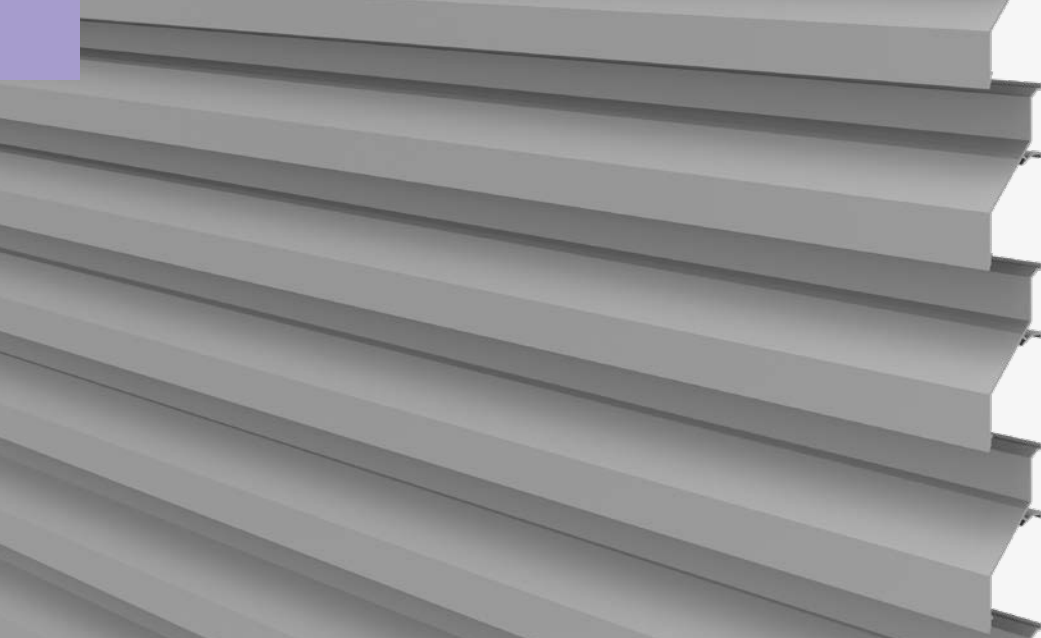
An aluminium louvre wall system for screening applications: DucoWall Screening is eminently suitable for projects where the wall acts primarily as **screening**. Assembly is very quick.

Within the Screening range there are two options. **DucoWall Screening 35** adds aesthetic value to your project. And quick assembly is guaranteed.

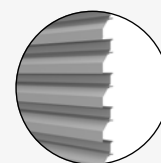
The larger variant is **DucoWall Screening 70**. Benefits include the high span and high airflow. In combination with the limited number of supports, this louvre also ensures very smooth installation of the full louvre wall.







Louvre pitch **75**



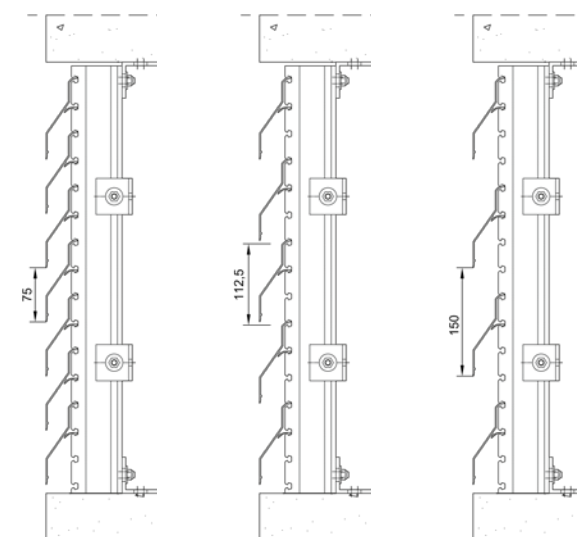
Louvre pitch **112**



Louvre pitch **150**

DucoWall Screening 35

DucoWall Screening 35 is a louvre wall system that can be clicked directly onto the support section. This results in **quick and smooth assembly**. There are three different louvre blades to choose from. In this way, the louvre wall can be adapted to the wishes and needs of any project. The system is eminently suitable for projects where the louvre wall acts primarily as **screening**.



Louvre pitch **75**

Louvre pitch **112**

Louvre pitch **150**

DIMENSIONS AND SUPPORT SECTIONS

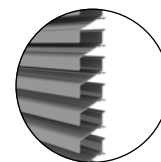
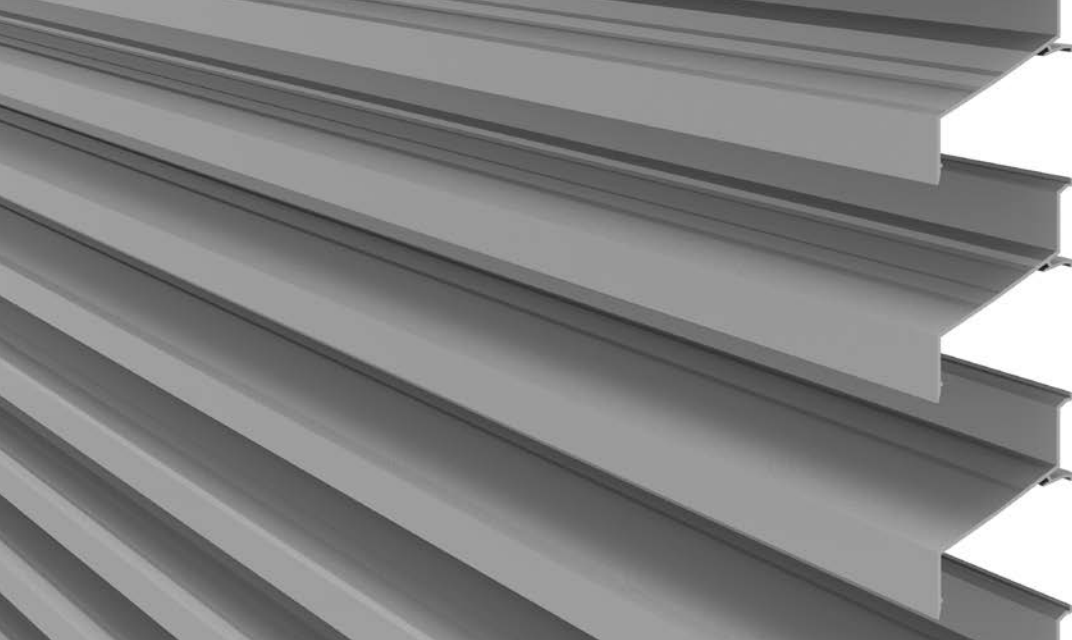
Support section type	40/21 (Double)	40/70 Double
Spacing of the louvre (pitch)	75 mm - 112 mm - 150 mm	
Louvre depth	43 mm	
Recess depth	57 mm	107 mm
Maximum span between 2 support sections	← 2000 mm →	

VENTILATION VALUES

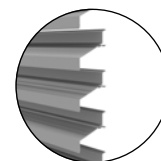
Louvre pitch (mm)		75	112	150
Visual free area		52 %	68 %	76 %
Physical free area		29 %	27 %	35 %
Ce (higher is better)		0,13	0,12	0,20
Cd (higher is better)		0,16	0,18	0,22
K-FACTOR (lower is better)	INLET	61,04	68,30	24,03
	OUTLET	38,58	32,65	20,29

WATER RESISTANCE

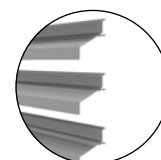
Air velocity	Class		
	75	112	150
0 m/s	A	B	C
0,5 m/s	B	B	C
1 m/s	B	C	D
1,5 m/s	D	D	D
2 m/s	D	D	D
2,5 m/s	D	D	D



Louvre pitch **75**



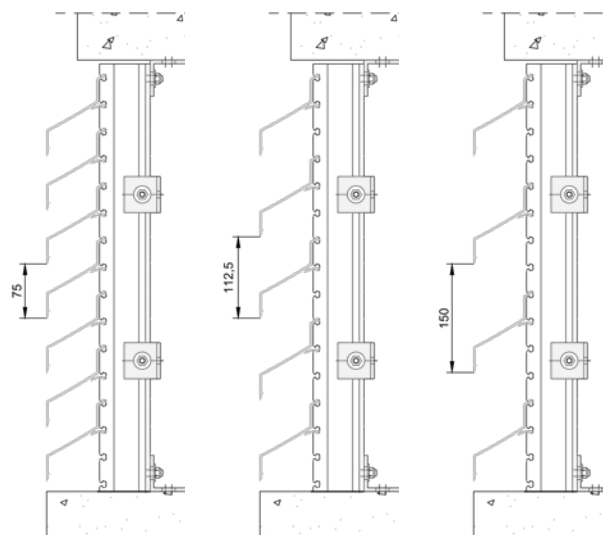
Louvre pitch **112**



Louvre pitch **150**

DucoWall Screening 70

DucoWall Screening 70 is a louvre wall system with a very **high span** and **high airflow**. The louvre blades are fastened directly onto the support section (Direct Clip). In combination with the limited number of supports, this ensures a **very fast installation** of the louvre wall. DucoWall Screening 70 is available with different louvre pitches (75 / 112 / 150 mm).



Louvre pitch **75**

Louvre pitch **112**

Louvre pitch **150**

DIMENSIONS AND SUPPORT SECTIONS

Support section type	40/21 (Double)	40/70 Double
Spacing of the louvre (pitch)	75 mm - 112 mm - 150 mm	
Louvre depth	82 mm	
Recess depth	94,5 mm	145 mm
Maximum span between 2 support sections	← 2400 mm →	

VENTILATION VALUES

Louvre pitch (mm)		75	112	150
Visual free area		53 %	68 %	77 %
Physical free area		37 %	59 %	55 %
Ce (higher is better)		0,18	0,22	0,27
Cd (higher is better)		0,20	0,26	0,31
K-FACTOR (lower is better)	INLET	30,20	20,10	13,70
	OUTLET	25,00	14,60	10,20

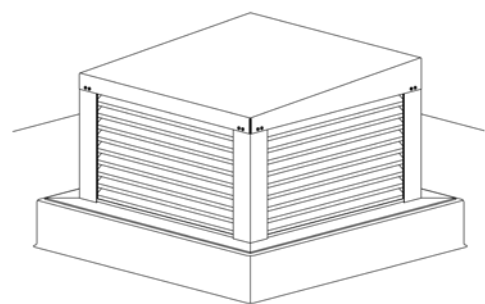
WATER RESISTANCE

Air velocity	Class		
	75	112	150
0 m/s	A (99,09%)	B (97,70%)	C (88,78%)
0,5 m/s	B (97,19%)	B (95,47%)	C (82,97%)
1 m/s	C (94,61%)	C (91,74%)	D (75,77%)
1,5 m/s	C (89,20%)	D (85,16%)	D
2 m/s	D (76,41%)	D (76,39%)	D
2,5 m/s	D	D	D



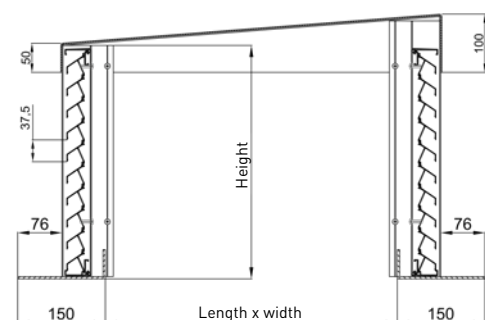
Duco **Roof Turret Solid 30Z**

Duco Roof Turret Solid 30Z is an aluminium roof cowl. It provides aesthetic concealment of air vents. The roof cowl also ensures adequate **purge ventilation** of the screened areas and can be used in almost **all projects**. The perforated Solid 30Z louvre blades are the ideal solution for both insect resistance and ventilation capacity. Thanks to the large punch slots (P2), this **small roof cowl** achieves **high ventilation values**. The roof cowls are **made to measure** and provided with a sill at the bottom and a cover plate on top.



DIMENSIONS

Spacing of the louvre (pitch)	37,5 mm
Roof cowl length	Min. 200 mm - Max. 2597 mm (to link)
Roof cowl width	Min. 200 mm - Max. 1147 mm (to link)
Roof cowl height	Min. 255 mm - max. 1600 mm



VENTILATION VALUES

		P1	P2	P2 + Eggcrate
Visual free area		60 %	86 %	
Physical free area		34 %	48 %	
Ce (higher is better)		0,24	0,28	0,18
Cd (higher is better)		0,23	0,28	0,20
K-FACTOR (lower is better)	INLET	17,70	12,85	31,21
	OUTLET	19,13	12,89	24,51

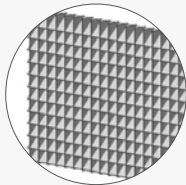
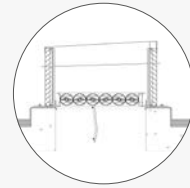
WATER RESISTANCE

Air velocity	Class		
	P1	P2	P2 + Eggcrate
0 m/s	C [91,1%]	B [96,1%]	A
0,5 m/s	C [83,5%]	B [95,9%]	A
1 m/s	D [77,7%]	C [93,5%]	A
1,5 m/s	D	C [87,6%]	B [97,6%]
2 m/s	D	D [67,3%]	C [93,2%]
2,5 m/s	D	D	C

OPTIONS DUCO **ROOF TURRET SOLID 30Z**

DucoGrille Close 105

The DucoGrille Close 105 can, as option, be integrated in the roof turret, thereby ensuring a controlled air supply or extraction. More info on the DucoGrille Close 105 can be found in our "Louvre Grilles" brochure.

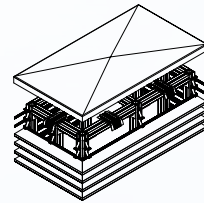


Eggcrate grille

The Duco Roof Turret Solid 30Z is available with an optional Eggcrate grille, which provides even better water resistance (combination with the P2 louvre blades).










ROOF COWLS WITH OTHER LOUVRE BLADES

In addition to the Duco Roof Turret Solid 30Z, Duco also offers a system in which almost **all types of louvre blade** from the DucoWall range can be used. These roof cowls are made up of profiles from the DucoWall range. The upper panel and finishing thresholds are included. They are available as separate parts, semi-assembled kits or fully assembled kits. Contact your Duco dealer for more information.



DUCO LOUVRE DOORS

The louvre door range enables you to choose between the **DucoDoor Wall**, **DucoDoor Louvre** and **DucoDoor Grille** depending on the aesthetic, technical and legal requirements of the building. Duco's louvre doors are suitable for use in (plant) rooms – on all floor height, in underground car parks, etc. either **ventilated** or as (draught-proof) **false louvre doors**. All of our doors will guarantee a **sleek and uniform look**.

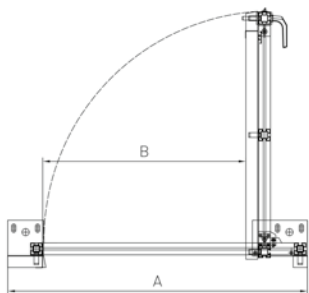
Type	 DucoDoor Wall see p. 35	 DucoDoor Louvre see p. 36	 DucoDoor Grille see p. 37
Application	Louvre door in louvre wall system without specific requirements.	Ventilated louvre door or false louvre door in the louvre wall system with specific requirements for burglary resistance and/or draught-proofing.	Free-standing ventilated louvre door or false louvre door either with or without specific requirements for burglary resistance and/or draught-proofing.
Vandal-proof 	✓ Subject to Solid 30Z louvre blades	✓ Subject to Solid 30Z louvre blades	✓
Intrusion resistant 	✗	✓ RC2 possible with NP or P1 internal louvre blades	✓ RC2 possible with NP or P1 blades
Draught-proof 	✗	✓ Possible subject to NP louvre blades	✓ Possible subject to NP louvre blades
Louvre blades	Complete DucoWall range possible	Complete DucoWall range available as surface-mounted blades, combined with Solid 30Z internal blades as an option	Solid 30Z NP, P1 or P2 louvre blades
Opening Angle 	90°	 180°	 180°
Available versions	Single / double door opening inwards / outwards left / right-hand opening available		
Maximum usable dimensions	Single door: W 1500 x H 3000 mm Double door: W 3000 x H 3000 mm		
Door furniture	Comes with a lever handle on the inside of the door and a T-handle on the outside as standard. Other combinations available on request. Panic lock available on doors that act as an emergency exit (only for doors less than 2.2 m high, outward opening and not on intrusion-resistant doors).		



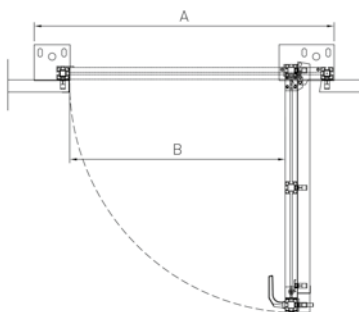
DucoDoor Wall

The DucoDoor Wall is a **pivot door** that can be easily constructed using the same louvre blades and sections as your chosen louvre wall. Thanks to a wide range of Solid, Classic and Screening louvre blades, the DucoDoor Wall integrates seamlessly and **invisibly into a full louvre wall**. This guarantees a sleek and **uniform façade**.

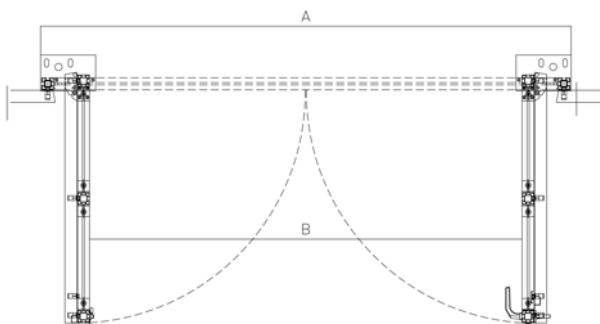
Single door
opening **inwards**



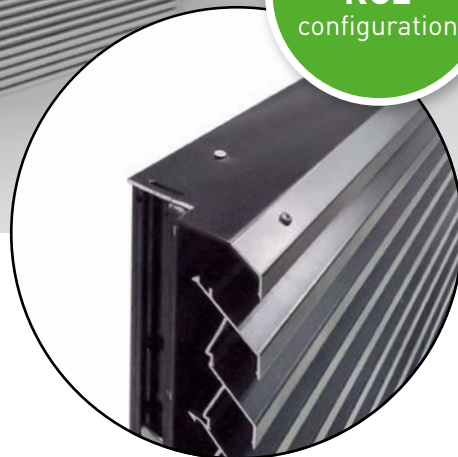
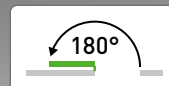
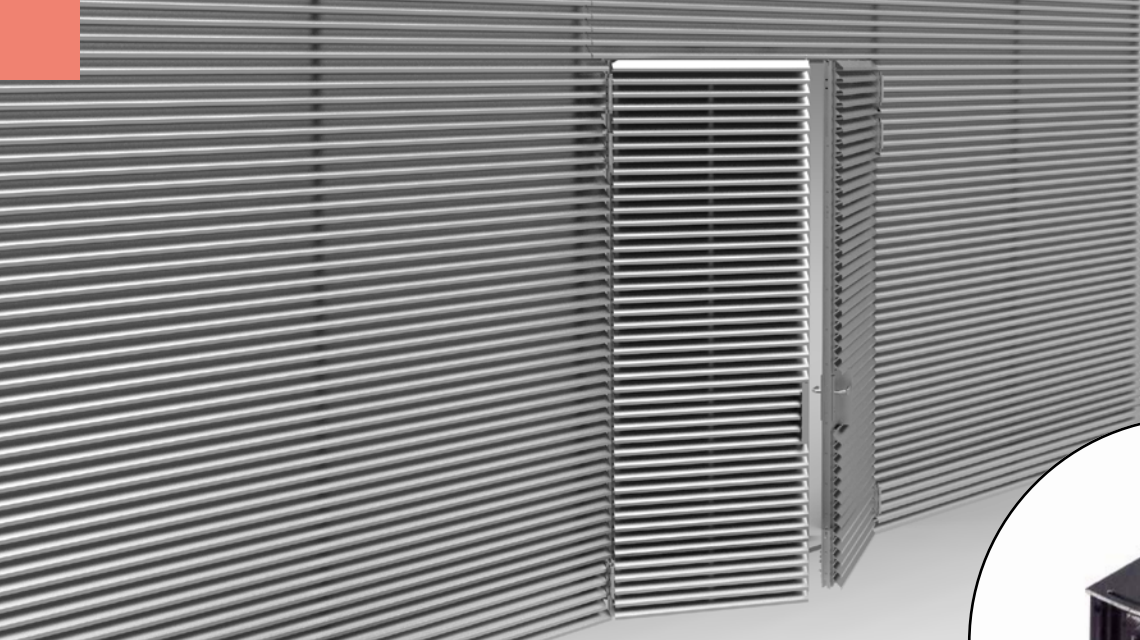
Single door
opening **outwards**



Double door
opening **outwards**



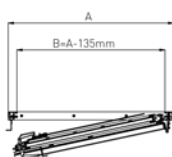
A = overall dimension
B = useful width



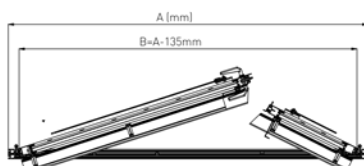
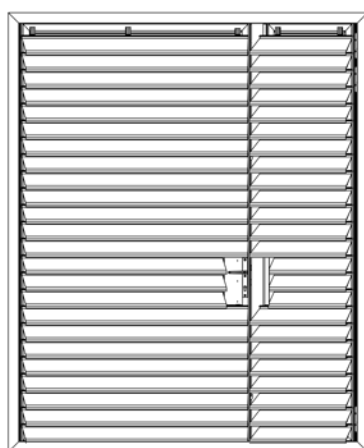
DucoDoor Louvre

With the DucoDoor Louvre, Duco has developed an **intrusion-resistant louvre door** that has been extensively tested by SKG in accordance with European standards (EN 1627:2011 & NEN 5096+C2:2011) and has been certified as **resistance class RC2**. The DucoDoor Louvre can also be made **draughtproof**. The special hinges fitted on the side create a **large usable width** and enable the door to be opened **by 180°**. This type of louvre door can be easily concealed in a louvre wall as it can draw on the **complete range** of Solid, Classic and Screening louvre blades.

Single door
opening **outwards**



Double door
opening **inwards**

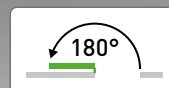


A = overall dimension
B = useful width

INTRUSION RESISTANT

DucoDoor Louvre can be ordered up to intrusion-resistance class RC2 as an option. Certification available upon request.

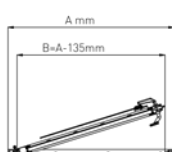




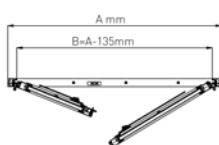
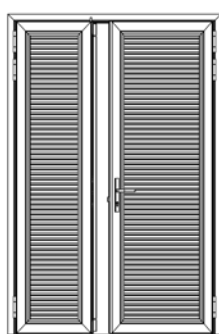
DucoDoor Grille

As a **free-standing entrance door**, the DucoDoor Grille is eminently suitable for non-louvre walls. Thanks to the fact that the **Solid blades built in as standard** (type 30Z) can be slotted in three different ways, (P1, P2 or NP), the façade can be given an aesthetic and expressive character. The DucoDoor Grille also scores very highly on **intrusion resistance**. The Solid blades make every version **vandal-proof**. What is more, this louvre door has been tested by SKG in accordance with European standards (EN 1627:2011 & NEN 5096+C2:2011) and an **RC2-certified version** is available. In addition, the DucoDoor Grille can be made completely **draught-proof**. The special hinges fitted on the side create a **large usable width** and enable the door to be opened **by 180°**.

Single door
opening **inwards**



Double door
opening **outwards**



A = overall dimension
B = useful width

INTRUSION RESISTANT

DucoDoor Grille can be ordered up to intrusion-resistance class RC2 as an option. Certification available upon request.



SPECIFICATIONS

DucoDoor Grille uses Solid 30Z louvre blades. All specifications relating to ventilation capacity, water-resistance and insect-resistance can be found on page 8.



DucoWall **Classic** W 50S



DucoDoor **Wall**



DucoWall **Classic** W 50Z



DucoWall **Classic** W 50/75Z



DucoWall **Roof cowl**

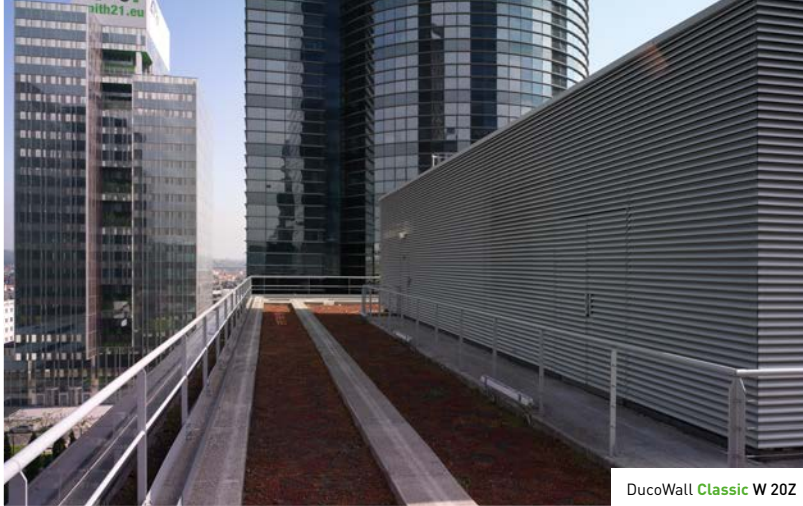


DucoWall **Solid** W 30Z

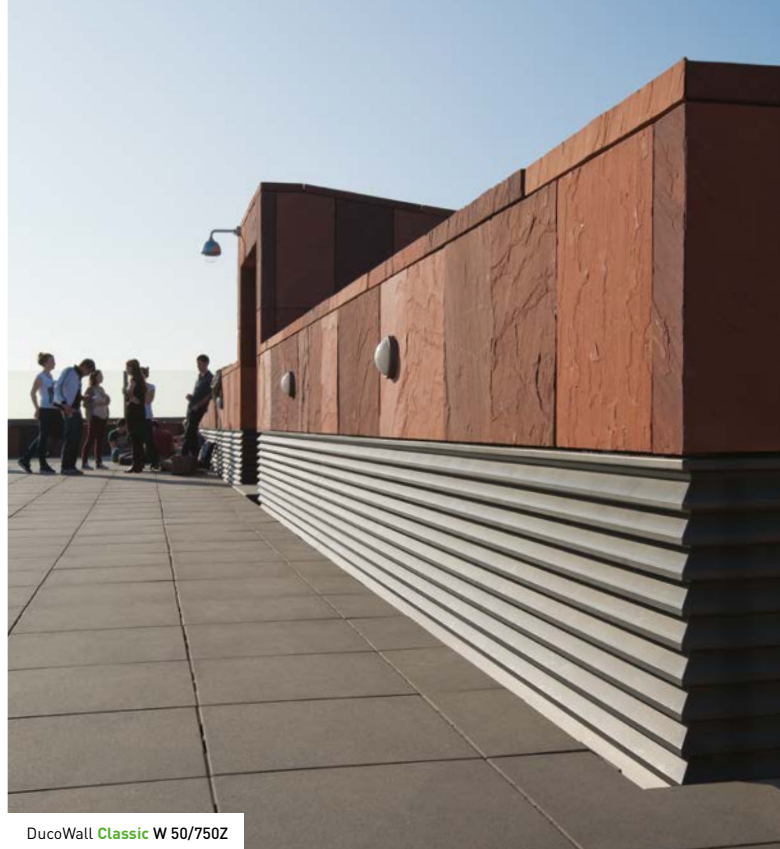


DucoWall **Classic** W 35V

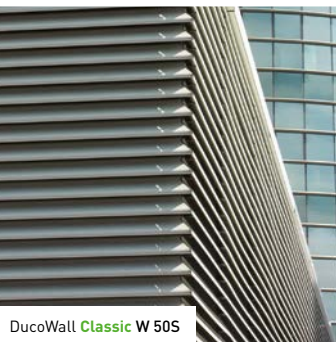




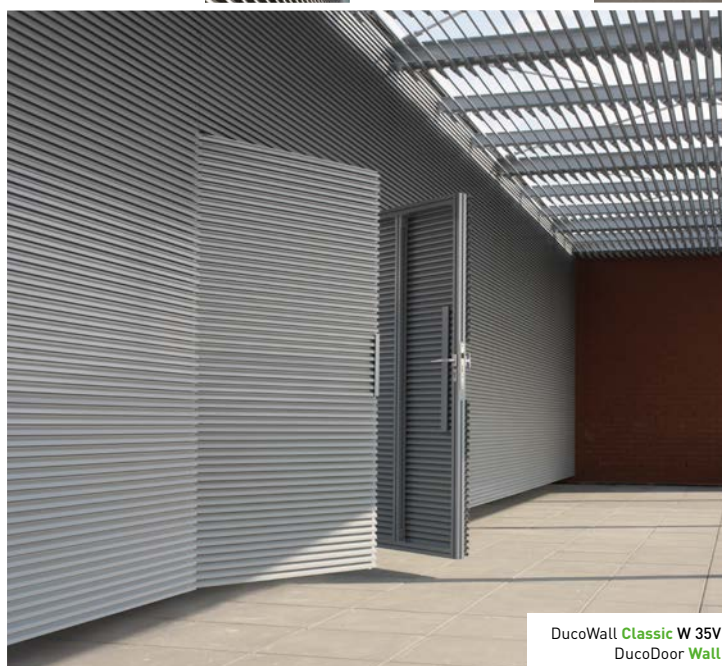
DucoWall Classic W 20Z



DucoWall Classic W 50/750Z



DucoWall Classic W 50S



DucoWall Classic W 35V
DucoDoor Wall



DucoWall Classic W 50Z



DucoWall Classic W 50S



DucoWall Solid W 30Z

SERVICE PLEASE!

To provide optimum support for your project, you will find professional **sectional drawings, technical data sheets, specification texts** and **assembly instructions** on our [website: www.duco.eu](http://www.duco.eu).

Find out what Duco can do for you.



Calculating airflow → airflowcalculation.duco.eu

Calculate the required air flow rates, area or pressure differences for each type of louvre grille with this handy online tool.



BIM library → All products in this library, compiled in accordance with Revit Standards, are freely available in both Autodesk Revit MEP formats and 3D DWG, usable with all versions of AutoCad. Download the library at www.duco.eu/bim-library.

Specification texts → You will find specification texts for all products on our website www.duco.eu.

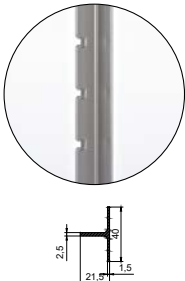
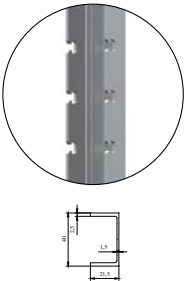
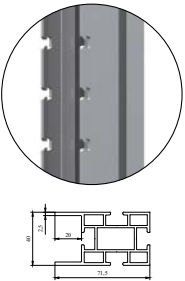

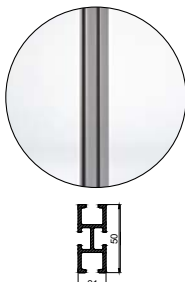
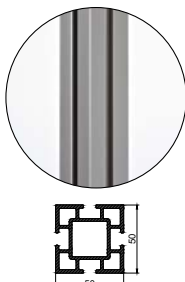
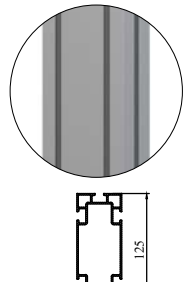


TAILORED **ADVICE**

Duco offers tailored expertise & services for specifiers, and has a dedicated unit to advise and support architects, engineering offices and consultancies. Duco works with reputable organisations such as the WTCB, the von Karman Institute, etc. Duco's knowledge and years of experience enable an appropriate solution to be offered for each of your projects.

Any questions? Please contact us at info@duco.eu or call +32 58 33 00 66 to for tailored advice!

SUMMARY OF SUPPORT SECTIONS

Louvre wall system	Available support sections
DucoWall Solid	<div data-bbox="667 741 804 786">40/21 support section</div>  <div data-bbox="887 741 1024 786">40/21 Double support section</div>  <div data-bbox="1107 741 1244 786">40/70 Double support section</div> 
DucoWall Screening	
DucoWall Classic	<div data-bbox="560 1469 697 1514">50/12 support section</div>  <div data-bbox="775 1469 912 1514">21/50 MULTI support section</div>  <div data-bbox="992 1469 1129 1514">50/50 support section</div>  <div data-bbox="1209 1469 1347 1514">50/125 support section</div> 
DucoWall Acoustic	

TECHNICAL VALUES TABLE

	DUCOWALL SOLID	DUCOWALL CLASSIC								
	Solid 30Z see p. 8	Classic 20Z see p. 10	Classic 20V see p. 11	Classic 35V see p. 12	Classic 50Z/30° see p. 13	Classic 50Z see p. 14	Classic 50S see p. 15	Classic 50/75Z see p. 16	Classic 50/75S see p. 17	Classic 70S see p. 18

→ Ventilation values

→ Ventilation values

Property	Unit	P1	P2	NP				65 pitch	75 pitch					
Visual free area	%	60	86	0	63	95	59	41	49	75	75	80	80	79
Physical free area	%	34	48	0	47	37	35	40	46	52	52	54	54	53
K factor, intake (lower is better)		17,7	12,85	n/a	22,73	42,93	59,06	14,54	10,23	19	17,38	9	8,75	16,8
K factor, outlet (lower is better)		18,3	12,73	n/a	30,52	47,1	54,49	10,52	8,66	25,17	23,48	13,87	13,62	18
Ce (higher is better)		0,24	0,28	n/a	0,21	0,15	0,13	0,26	0,31	0,23	0,24	0,33	0,34	0,24
Cd (higher is better)		0,23	0,28	n/a	0,18	0,15	0,14	0,31	0,34	0,2	0,21	0,27	0,27	0,24

→ Water resistance

Property	Unit	P1	P2	NP				65 pitch	75 pitch					
Water resistance for v = 0 m/s	class (%)	A [99,1]	B [97,55]	n/a	C [94,87]	A [99,9]	A [100]	B [96,89]	B [96,69]	B	B	B [98,6]	B [98,6]	B
Water resistance for v = 0.5 m/s	class (%)	B	B [95,42]	n/a	C [93,15]	A [99,7]	A [99,51]	C [93,85]	C [93,85]	B [96,77]	B [96,55]	C	C	C
Water resistance for v = 1.0 m/s	class (%)	B [97,04]	C	n/a	D	B [98,65]	B [98,5]	C [89,29]	C [91,71]	C [93,47]	C [94,09]	C [94,7]	C [94,7]	C [94,27]
Water resistance for v = 1.5 m/s	class (%)	B [95,44]	C [88,96]	n/a	D [75,4]	B	C [89,73]	C [82,73]	C [84,33]	C [90,53]	C [91,71]	C	C	C
Water resistance for v = 2.0 m/s	class (%)	C [86,74]	C [82,3]	n/a	D	C	D [46,42]	D	D	D	D	C [82,2]	C [82,2]	C [84,90]
Water resistance for v = 2.5 m/s	class (%)	D	D	n/a	D	D	D	D	D	D	D	D	D	D

→ Sound reduction

Solution		P1	P2	NP				65 pitch	75 pitch					
Rw	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
C		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
C _v		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Octave band values	at 125 Hz	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	at 250 Hz	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	at 500 Hz	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	at 1000 Hz	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	at 2000 Hz	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	at 4000 Hz	dB	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

→ Support sections and dimensions

Property	Unit	P1	P2	NP				65 pitch	75 pitch					
Spacing of the louvre (pitch)	mm	37,5			35	20	35	65	75	65	65	75	75	85
Louvre depth	mm	30			23	23	38	53	53	53	53	53	53	74
Recess depth at support section ...	Solid Screening	40/21 (Double)	mm	51	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
		40/70 Double	mm	102	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Classic Acoustic	50/12	mm	✗	35	35	50	65	65	65	65	65	65	85
		21/50 MULTI	mm	✗	73	73	88	103	103	103	103	103	103	123
		50/50	mm	✗	73	73	88	103	103	103	103	103	103	123
		50/125	mm	✗	148	148	163	178	178	178	178	178	178	198
Maximum span between 2 support sections	mm	1970			1200	1850	2650	2050	2050	1550	1550	1550	1550	1700

									DUCOWALL ACOUSTIC				DUCOWALL SCREENING					
Classic 70V see p. 19	Classic 90S see p. 20	HP Classic 45HP see p. 21	HP Classic 50HP see p. 22	HP Classic 130HP see p. 23	HP Classic 80HP see p. 24	Classic 60C see p. 25			Acoustic 75Z see p. 26	Acoustic 75L see p. 26	Acoustic 150 see p. 27	Acoustic 300 see p. 27	Screening 35 see p. 30			Screening 70 see p. 31		
						60C	60C/2	60C/3					75 pitch	112 pitch	150 pitch	75 pitch	112 pitch	150 pitch
65	80	70	88	88	83	84	84	84	76	95	74	74	52	68	76	53	68	77
44	54	60	68	70	49	46	36	36	28	28	35	35	29	27	35	37	59	55
72,79	16,35	12,66	4,7	8,55	11,19	10,05	23,09	31,06	16,93	16,52	11,04	13,52	61,04	68,30	24,03	30,20	20,10	13,70
83,88	17,44	6,68	4,55	13,42	13,62	10,75	26,13	42,78	21,83	12,14	10,96	13,52	38,58	32,65	20,29	25,00	14,60	10,20
0,12	0,25	0,28	0,46	0,34	0,3	0,32	0,21	0,18	0,24	0,25	0,3	0,27	0,13	0,12	0,20	0,18	0,22	0,27
0,11	0,24	0,39	0,47	0,27	0,27	0,3	0,2	0,15	0,21	0,29	0,3	0,27	0,16	0,18	0,22	0,20	0,26	0,31
						60C	60C/2	60C/3					75 pitch	112 pitch	150 pitch	75 pitch	112 pitch	150 pitch
A	A	B	C (92,3)	A	A (99,2)	B (95,2)	A (99,9)	A (100)	B (97,8)	B (97,2)	B (98)	A (99,5)	A	B	C	A (99,09)	B (97,70)	C (88,78)
B (98,98)	B	B	C (89,80)	A	B (98)	C	A (99,9)	A (100)	B (95,1)	C (93,9)	C (94,7)	C (98,7)	B	B	C	B (97,19)	B (95,47)	C (82,97)
B (95,53)	C (94,98)	C	C (86,5)	A	B (97,0)	C (81,4)	B (98,9)	A (100)	C (89,4)	C (88,2)	C (90,3)	B (96,7)	B	C	D	C (94,61)	C (91,74)	D (75,77)
C (80,43)	C	C	D (79,7)	A	C	D	C	A (100)	D (77,3)	D (75)	C (82,5)	C (93,2)	D	D	D	C (89,20)	D (85,16)	D
D	C (81,84)	C	D	A	C (89,9)	D	C (87,9)	A (100)	D	D	D (67,7)	C (87,17)	D	D	D	D (76,41)	D (76,39)	D
D	D	D	D	A	C	D	C	C	D	D	D	D (76,2)	D	D	D	D	D	D
						60C	60C/2	60C/3					75 pitch	112 pitch	150 pitch	75 pitch	112 pitch	150 pitch
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6	6	11	17	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	-1	-1	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-1	-2	-2	-3	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2,7	2,6	4,8	7,8	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3,5	3	4	8	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2,1	1,9	7,4	14,9	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4,8	4,4	11,4	17,8	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,1	9,7	12,4	17,7	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,4	11,5	13	22,4	n/a	n/a	n/a	n/a	n/a	n/a
						60C	60C/2	60C/3					75 pitch	112 pitch	150 pitch	75 pitch	112 pitch	150 pitch
65	105	50	50	50	75	50	50	50	60	60	150	150	75	112	150	75	112	150
75	94	48	56	133	84	77	77	77	67	75	142	142	43	43	43	82	82	82
✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	57	57	57	94,5	94,5	94,5
✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	107	107	107	145	145	145
87	106	60	68	145	96	89	✕	✕	79	87	154	✕	✕			✕		
125	144	98	106	183	134	127	✕	✕	117	125	192	334	✕			✕		
125	144	98	106	183	134	127	127	127	117	125	192	334	✕			✕		
200	218	143	181	258	209	202	202	202	192	200	267	✕	✕			✕		
2150	1800	1330	1100	2300	1350	1250	1250	1250	1700	1650	2150	2150	2000			2400	2400	2400



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