

Steel galvanised
powder coated

Stainless steel V2A
blank
buffed
grinded



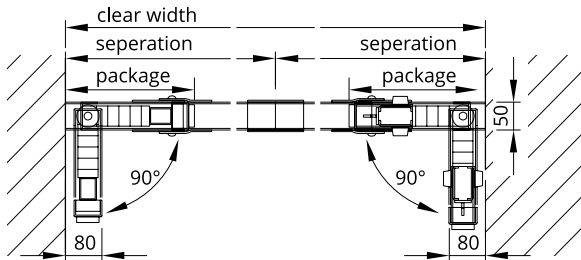
Keroll folding grilles made from galvanised or stainless steel provide reliable burglar protection, securing doors, windows, shop entrances, shop windows and arcades. Despite their very thick material and stable design they are convenient and simple to use. The durability of the folding grilles is ensured by high quality surfaces. The space-saving versions make **Keroll** folding grilles especially suitable for retrofitting. All folding grilles are designed specially in accordance with customer requirements. The individual order drawings also facilitate smooth order processing and assembly. You will find the right folding grille here for almost every possible use: galvanised steel, stainless steel or a powder-coated design, specific radii or special widths - **Keroll** will construct your folding grille to order.

Also available in a special design tested under resistance RC3 (WK3) DIN EN 1627-1630:2011

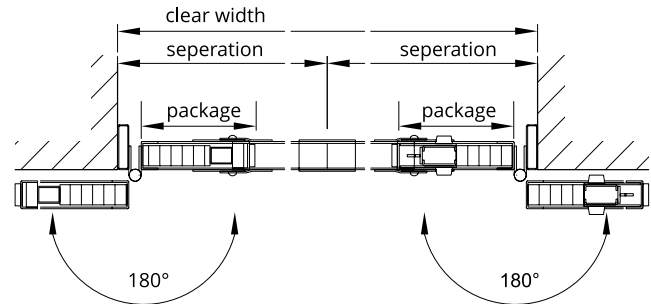


Folding grille diagrams

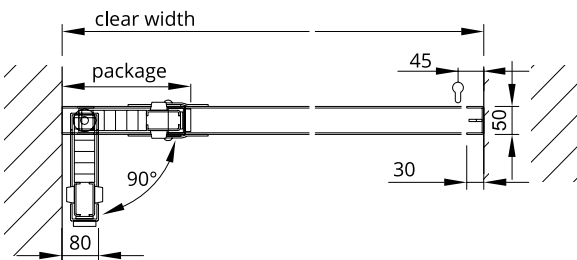
A **Assembly in opening**
2-wing, packages 90° pivoted or fixed



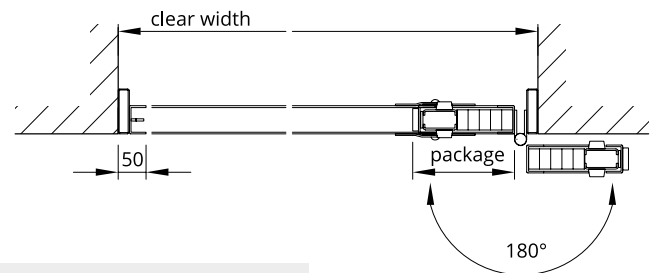
A/180 **Assembly in opening**
2-wing, packages 180° pivoted with structure made from rectangular tubing



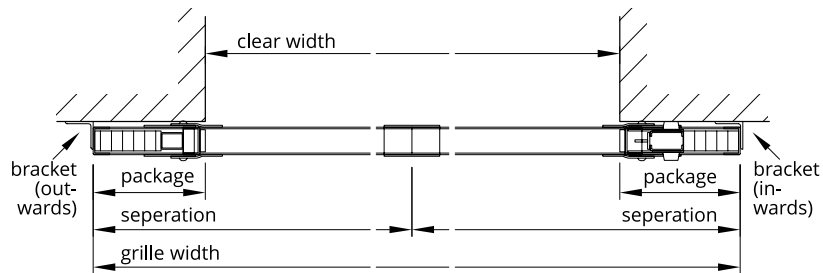
B **Assembly in opening**
1-wing, package 90° pivoted or fixed



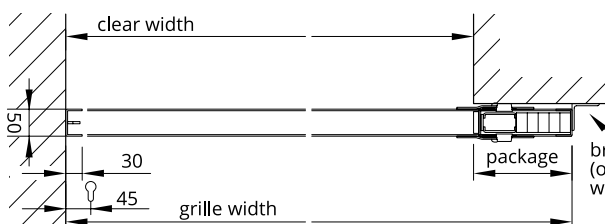
B/180 **Assembly in opening**
1-wing, package 180° pivoted



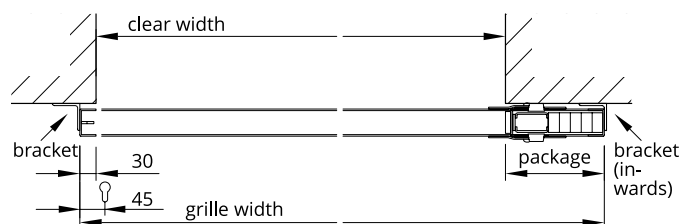
C **Assembly in front of opening**
2-wing, packages non-pivoted with angle bracket for back support



D **Assembly in front of opening**
1-wing, package non-pivoted with angle bracket for back support



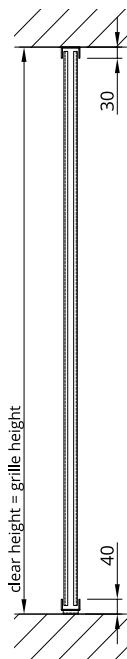
E **Assembly in front of opening**
1-wing, package non-pivoted with angle bracket for front rail & for back support



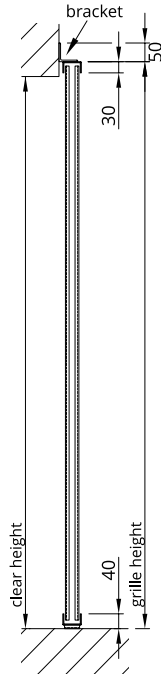
Special solutions (e.g. running in a bow) on request are possible.
Contact us!

vertical section

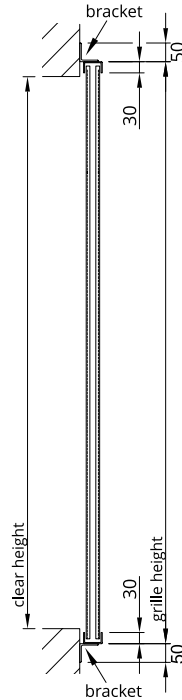
1 Assembly in opening



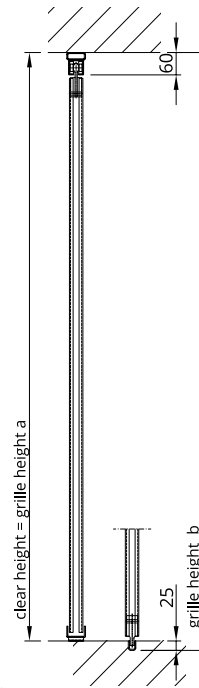
2 Assembly in front of opening with bracket for upper rail



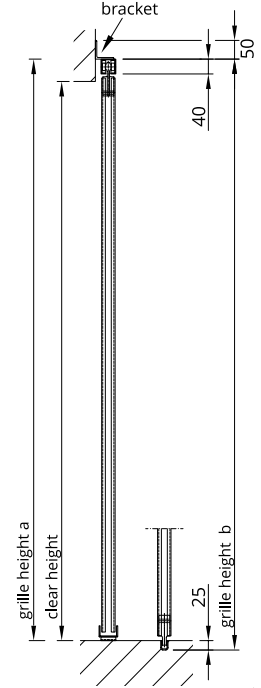
3 Assembly in front of opening (window) with bracket for upper and lower rail



1H Assembly in opening



2H Assembly in front of opening



bottom running (standard)

top running (hanging)

Standard design (galvanised steel)

Single-wing or double-wing folding grille consisting of vertically positioned double bars made from 10 x 20 x 10 x 3 mm U-profiles with 18 x 4 mm flat steel grilles connecting 3 double bars. Clear bar spacing max. 120 mm. Lower and upper rail as 30 x 50 x 30 x 3 mm U-profile. Upper rail fixed, lower rail foldable. From 2500 mm height upper rail as 50 x 50 x 50 x 3 mm U-profile. In the case of single-wing grilles the front rail (locking rail) is a 30 x 50 x 30 x 3 mm U-profile.

Rear rail (back support) as 30 x 50 x 30 x 3 mm U-profile. When assembled on the wall or in front of the opening the folding grille is fixed in accordance with the installation circumstances using different brackets, as special edging or as a rectangular tubing structure.

Lower castors as roller bearings with plastic sheathing.

The grill packages are designed pivoted or fixed as the installation circumstances require (see diagrams).

The lower pivot pin in the pivoted packages may optionally be set into the ground or designed wall-mounted with an angle section.

Closure as bolt locking mechanism with multi-point locking.

All locks for profile cylinders can be locked on one or both sides. Starting from a grille height of 2400 mm the grilles have 3 sets of scissors. If greater security is required, 3 sets are also available for grilles lower than 2400 mm. Grilles with a hook-bolt lock can be constructed with 2 sets of folds starting from 1200 mm height.

Pivoted design for single-wing grilles up to max. 3.0 m width – greater widths only available with fixed grille packages.

Fixing holes are added at the factory in accordance with customer requirements.

Hanging design

Operated as hanging grille with guide roller bearings in upper C-rail 40 x 40 x 3 mm. This allows the lower rail to be designed foldable as 30x50x30x3 mm profile or as 25 x 20 x 25 x 3 mm profile to allow entry into the premises. Grille packages with hanging design are only available fixed.

Special design tested under RC3 (WK3) DIN EN 1627-1630:2011

Design in galvanised or stainless steel (1.4301). Max. grille dimensions 4800 x 2750 mm. Single-wing or double-wing, bottom running, packages. Protection against sawing through for double bars, hardened scissors. Lower and upper guide rail as 50/50/50/3 mm U-profile. Lower rail equipped with bolts as tear-out protection. Bolt locking mechanism with min. 6 hooks, core drawing protection plate and tested safety cylinder. Fixing only on substrates defined according to DIN EN 1627 with the attached safety screws.

Table of guide values for package strengths

Diagram	Clear width from to	760 900	901 1040	1041 1180	1181 1320	1321 1460	1461 1600	1601 1740	1741 1880	1881 2020	2021 2160	2161 2300	2301 2440	2441 2580	2581 2720	2721 2860	2861 3000
A	Package strengths	180	200	200	220	220	240	240	260	260	280	280	300	300	320	320	340
B	Package strength	210	230	250	270	290	310	330	350	370	390	410	430	450	470	490	510
C	Package strengths	230	230	250	270	270	290	290	310	310	330	350	350	370	370	390	390
	Grille width	1360	1500	1680	1860	2000	2180	2320	2500	2640	2820	3000	3140	3320	3460	3640	3780
D	Package strength	250	270	310	330	350	370	390	410	450	470	490	510	530	550	590	610
	Grille width	1150	1310	1490	1650	1810	1970	2130	2290	2470	2630	2790	2950	3110	3270	3450	3610
E	Package strength	250	290	310	330	350	370	390	430	450	470	490	510	530	570	590	610
	Grille width	1180	1360	1520	1680	1840	2000	2160	2340	2500	2660	2820	2980	3140	3320	3480	3640

These values are only guide values for determining prices and space required; the values may vary slightly depending on circumstances.

Locking designs



Bolt locking mechanism (standard)

The bolt locking mechanism is fitted **as standard** and provides secure multipoint locking. The number of hooks depends on grille height, with min. 3 pieces. The locking bar is raised using the handle and lowered using the hooks located in the front rail. A profile cylinder lock is used to prevent unauthorised operation of the handle and thereby raising of the locking bar. Backset 45 mm.



Hook bolt mechanism (special design)

The hook-bolt mechanism provides singlepoint locking. The lock rail is pushed into the front rail. Here the lock hook reaches through the front rail. The lock is closed and unhooked again using the key stroke. The hook requires 22 mm clearance outside of the front rail. Backset 43 mm.

All locks can be designed for locking on one or both sides. Standard cylinders are used (30/30, 30/10, 27/27, 27/10). A core drawing protection plate can be added on one side at additional cost. Customised solutions (e.g. shoot bolt) are available on request.

Please visit our homepage keroll.de for further information.

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