



ADLOCK is a complete range of brushed or polished stainless steel tube door handles, hinges and connectors, in diameters of 20, 25, 30, 35, 40 or 45 mm. It uses several ADLER SAS patents for extraordinary glass hold (30 mm diameter ADLOCK points with one M8 screw to be tightened fully), such as for the auto-locking security mechanism.

FT-828B0312

page 1/27

The single or double handles have a number of spacers. They may integrate a security lock or a simple button or triangular key lock to name just a few, with many combinations of these solutions. They may be short or full door height; attached vertically or horizontally like a towel rail. Variety of handles without lock:

Length		<u> </u>		18 8		18 8		10 0		8 B	
	- B -	- A -	- B -	- A -	- B -	- A -	- B -	- A -	- B -	- A -	- B -
<=350 mm		707 00Y	707 05D	707 10K	707 15Q	707 20V	707 25A	707 30G	707 35M	707 40S	707 45X
<=950 mm	707 58M	707 01Z	707 06F	707 11L	707 16R	707 21W	707 26B	707 31H	707 36N	707 41T	707 46Y
<=1.950 mm		707 02A	707 07G	707 12M	707 17S	707 22X	707 27C	707 32J	707 37P	707 420	707 47Z
<=2.950 mm		707 03B	707 08H	707 13N	707 18T	707 23Y	707 28D	707 33K	707 380	707 43V	707 48A
<=6.000 mm		707 04C	707 09J	707 14P	707 190	707 24Z	707 29F	707 34L	707 39R	707 44W	707 49B
additional spacer		707 50C	707 51D	707 52F	707 53G	707 54H	707 55J	707 54H	707 55J	707 54H	707 55J
finish	707 56K	707 56K	707 57L	707 56K	707 57L	707 56K	707 57L	707 56K	707 57L	707 56K	707 57L

Example of handles with integrated lock: in diameter 25, 35 and 45 mm





FT-828B0312 page 2/27





Door on short free pivot:

- The short hinges may typically be suitable for doors with a standard rake weighing less than 80 kg and with a width also limited to 1m20;

- The free pivot enables even very heavy doors (above 250 kg) to be moved freely, practically without effort; therefore it does not have a recall function.

With handle without lock.

With handle with lock integrated, 1 single locking point (low) With handle with lock integrated, 2 locking points (high and low)



Same construction as before but with hinges on door brake:

- with square (French) or rectangular (German) axis;
- adapting to SEVAX JANUS or TS or DORMA BA door closure;
- with standard aluminium insert for recalls up to force 3; or reinforced in stainless steel



ADLOCK

and double screwing point on the door up to force 6 (for example for SEVAX Janus F5 or Dorma BTS 80).

FT-828B0312

page 3/27



The ADLOCK hinges (still with 25 mm*) can also take a lintel pivot for example JANUS from SEVAX.

The door is then hinged around a free pivot at the bottom and fixed to an upper pivot containing an insert adapted to lintel pivot (straight and not conical axis).

All of these variants are specific articles or are simply options to be ordered as the same time as the hinges.



<u>Full-height hinges</u>: For heavy or very strong rake doors, or doors that are very wide, it is strongly recommended and often necessary to use full-height hinges. This specific construction enables:

- The door weight to be distributed, plus the extra load imposed by current DTU standards (+100kg at the end of the door in Class 4, the most strict) across all of the door's screwing points when only the low hinge points are used in the case of short hinges; with the same total number of attachment points (at least 2 low, 2 high in the case of short hinges, i.e. 4 in total), the acceptable door weight with a full-height hinge is doubled;
- The door to be stiffened significantly, so constructions to be made with very strong rake for which traditional "Clarit" type hinges are not suitable the door vibrates at the top with the slightest stress, leading to choppy rotation, often a slippage of the glass in the hinges, even early destruction of the ground pivot and so on where professional rules recommend the use of very thick glass which becomes useless ;
- Through the ADLOCK attachment points, significant shearing to be supported (up to 130 kg per point) so very heavy and extraordinarily large doors.

For example, among recent installations produced with this type of hinge, we can mention 230 kg doors in tempered 12.12.4 (height $3m \times 10^{-1}$ s width 1m30); 250 kg in 15 mm tempered monolithic glass (height $3m40 \times 10^{-1}$ s width 2m20); or even 320 kg, 3m87 tall and 2m70 wide.

The inserts are the same as for the short hinges and enable the same installations.

These tailor-made hinges - their height is related directly to the door height - are produced as standard in 25 mm. They may be produced on request, as a special manufacture, in 35 or 45 mm diameter.





(*) Advantage of the 25 mm diameter for ADLOCK hinges: the 25 mm diameter is enough

FT-828B0312

page 4/27



and is necessary to accommodate any square or rectangular floor pivot axis. It enables standard play to be maintained between the door and the attachment (wall or frame) of around 6 mm. A greater hinge diameter, for example 45 or 50 mm, means this play must be doubled, becoming, with around 10-12mm, both less attractive in appearance and less functional: thermal, sound and other insulation.

Examples of installations with full-height hinge:







In the case of very heavy doors, or doors that close automatically thanks to a force 4, 5 o 6 ground pivot, the low attachment point needs to be doubled. For reasons of appearance, but also because in these cases the doors are also generally very wide, the high attachment point also needs to be doubled. When the central attachment points contribute directly to supporting the weight of the door and the extra load: more weakly in countering the door's overhang. They are also used to stiffen the door very effectively; this point is very effective in the case of strong rake or where a ground pivot is installed. They may therefore be positioned at will, according to criteria which are often to do with appearance: alignment on the handle spacers (**) or on the connectors between the frame and the wall, and so on.



(**) The handles have at least 2 spacers. As standard, ADLER SAS recommends adding an extra spacer when the distance between 2 spacers exceeds 1m40. This distance may be increased in the case of handles with larger diameters (35, ideally 45 mm), especially if they are strengthened by a stiffener insert; or in the case of irregular and precautionary use.

Installing a fixed glass (frame, partition, etc.):

All traditional installation modes: plinth profiles, ground, wall or ceiling rabbets, etc. are possible and may blend in seamlessly with very large doors, ideally ground-ceiling, without over panel thanks to the advantages offered by ADLOCK hinges and handles. It is also possible to use the connectors in the ADLOCK range, which offer numerous

It is also possible to use the connectors in the ADLOCK range, which offer numerous advantages:

- an even and naturally harmonious construction
- the high effectiveness of ADLOCK tightening points;
- possible adjustments making it easier to install partitions and frontages.













ADLOCK connectors are composed as standard of a 25 mm diameter tubular section and one or more ADLOCK 30 mm diameter attachment points. Professional rules recommend that the attachment points must start at least 200 mm away from the corners and be separated by less than 800 mm from the vertical line and less than 600 mm from the ground.



Original partitions may be made by stapling the glass to the full-height hinges. Several hinges may then be secured to a glass; they will lose their pivot effect must give the glass extreme stiffness in its height, which may be outside the standard.

The full-height hinges, like the simple connectors, may be glued to the glass (distance between the surface of the panel and the interior of the tube = 2.5 mm) or separated from the glass thanks to spacers similar to those on the handles (distance between the surface of the panel and the inside of the tube = 40 mm). In this second case, the structure's stiffness is increased further, cleaning is made easier and its appearance is also original.



FT-828B0312

page 6/27





Creating simple partitions or frontages:





This particularly original construction model is recommended in the case of large heights. The fixed panels and doors may also be very wide.

It is desirable to fit the door with a full-height handle.

All fixed panel or frame attachment modes are suitable for this type of construction.

Naturally, the construction may be completed by a second fixed panel, as shown below ...



FT-828B0312 page 7/27









The centre plate (upper pivot) and striker attached to the over panel link the door to the over panel at 2 points (ideal case for a full-height handle *with i*ntegrated lock). If there is a hinge on the door frame side, a connector goes from the centre plate and connects the over panel to the frame. In this case, all the connection parts are glued to the glass.





The striker which is useful for a full-height handle with integrated lock and 2 point closures forms a handle which extends the door's own handle. The tube that forms the striker is then fixed to the over panel via a spacer and is separated by 40 mm. The link with the door frame is made via an offset connector.



FT-828B0312 page 8/27





Construction of glass volumes:

In order to complete and expand the previous frontage constructions, a few elements can be used to naturally connect glass panels that are attached to each other, as standard at 180°: 180° glass-glass connectors.



In this type of construction, thanks to the stiffening effect of the full-height "hinges", ADLER SAS does not recommend linking the different elements of a partition to each other.

However, in the case of simple connectors, glued against the glass or offset, to prevent any flapping of one glass panel in relation to another, it is strongly recommended to link 2 glass panels to each other at several points across their height, according to the free height and thickness of the glass panels: around 1 m free between each point.

The glass volumes, starting from a fixed point or frontage as above, integrate returns which are generally made of glass: for example, a brace or the starting point of a partition, as standard at 90°.



FT-828B0312 page 9/27





This type of construction Preferably types enables all partition to be produced freely, without form

mm produced if short connectors of attachments (40 spacers as standard), the are preferred. same hinge in the corner can be used to connect 2 elements perpendicular to

with



offset The same connections can be



In the case of a brace or following partitions, the previous constructions are available in symmetry.

the partition.



NOTE: ADLER SAS has several solutions to seal these frontage elements: auto-adhesive "bumper" seals to glue to the edge of one of the two panes of glass and pressed automatically between adjoining frontage elements the same as recommended for the





seal in the lower section, or the upper section of the partition); or L-shaped PMMA profiles which are also self-adhesive and completely transparent. All of these products are highly UV ray-resistant.

FT-828B0312

page 10/27

Construction of "free-standing" glass volumes:

"Free-standing» here means glass constructions which are not -or very little at least - supported by solid partitions (walls, posts, metal structures, etc.) and which are not attached to the ceiling.

The stiffening principle of the full-height hinges, used earlier for large doors, is used again here, but horizontally this time, to ensure the cohesion of the whole construction A horizontal tubular structure links all of the constructions panes of glass; the assembly (tubes & glass) forms a very rigid structure that does not lose its shape.



The panes of glass are stapled to the horizontal tubes using ADLOCK attachment points. They support the glass panes while the tubes hold them in place vertically. These tubes form stiffeners (such as shower wall stiffeners) for which they use the wall, bracket (start point 90° from the wall or pane of glass) or angle (90° to 45°) attachments. 2 tubes may be bracketed extremely strongly to each other via a link cube. They may also be linked at a free of angle of 90° to 45° using the same quick link as used to secure a stiffener to the wall or a pane of glass.



Special attachment with cube to link the stiffener tubes to each other and staple the glass.



Simple stiffener type attachment for independent reinforcement of the side glass if necessary (i.e. generally if it is wide).

If the volumes constructed are very large (typically over 2 m in dimension), it may be necessary to stiffen the structure further as the combined stiffness of a pane of a glass and a firmly stapled tube is not enough. More solutions are always available; the choice depends mainly on aesthetic and/or budgetary considerations: (1) To thicken the glass,



ADLOCK

or; (2) Stiffen the tubular structure. As for thickening the glass, the solution involves using current standards, especially those produced by professional rules: the additional cost is generally significant and there is a notable increase in the weight of the glass, bringing installation difficulties. The tubular structure may be stiffened in several different ways:

FT-828B0312

page 11/27



A first stiffening effect is obtained by separating the tubes from the glass ("offset connectors"). The previous effect remains low. It may be increased significantly by doubling the stiffness. To maintain the transparency, of the structure, the stiffeners may also be stiffened using glass stiffeners.

These are then stapled directly to the stiffening tubes, or are offset again, like the frontage, using standard 40 mm spacers. These solutions may be combined at will.

Hinging and locking of the ADLOCK doors in a free-standing structure:



The door pivot's over panel is inserted into the tube. All efforts are applied to the tube axis. No rotation movements are applied to the tube, which therefore does not tend to loosen over time.

By construction, as all the glass panels (doors, fixed panes, etc.) are stapled to tubes that are assembled in the same length, even very long partitions are easy to construct and do not require any specific alignment. Everything is perfect by construction.





FT-828B0312 page 12/27



"Completely free-standing" constructions.

Completely free-standing, a glass construction is no longer anchored to the ground. The whole structure then needs to be secured to flat profiles of the desired width. ADLER SAS recommends as standard profiles that are 37 mm wide and 5 mm thick. Other profiles from the ADLER range, which are generally recommended to make up for wall flatness or verticality faults when building shower cabins with swing or sliding doors, may be used cleverly to provide ground profile support. As with walls, they can be used to get around floor flatness and level faults. Pre-machined to construction dimensions, they enable very quick, perfectly in-line assembly, without dragging or jamming. Significant installation time is saved; the installation quality is naturally perfect: glass alignment, play adjustment and so on. Long-lasting construction is guaranteed.



The cabinet opposite is perfectly static and extremely stiff. It is very simple and quick to construct: positioning of the 2 side panels and attachment of the 2 stiffeners: then stapling of a frontage glass - everything now holds in place; finishing of the stapling of the frontage elements, then clicking in of the door; marking then drilling of the integrated lock handle striker; sealing of the trigger in door locked position.

Installation is even quicker if flat pads are positioned on the ground for the low connectors to be attached.



page 13/27



To find out more, in pictures ...





FT-828B0312 page 14/27







FT-828B0312 page 15/27



Internal layout of a bank





FT-828B0312 page 16/27



Product and patent presentation





FT-828B0312 page 17/27







FT-828B0312 page 18/27 ADLOCK







A100												-/	010	\$ ^t	/	
ADLER /		HA	NDL	_E \	NIT	HOU	JT L	00	K				1 A			
		Dr	rawing	gs a∨a	ilable	on ww	/w.ad	ler-sa	.fr							
		ØZ	5 mm	¢ 30	mm	Ø 35		¢ 40	an an	Ø 45	i mm					
	Lenght	Simple	double	Simple	double	Simple	double.	Simple	do u ble	Simple	do u b le		ť			
6	<=350 mm	707 00V	707.050	707 10K	707 150	707 20V	707 25A	707 30G	707 35M	707 405	707 45X		r			
	<=1.950	707 024	707 07G	707 120	707 175	707 22%	707 27C	707 32	707 37 P	707 420	707 401					
	mm <=2.950	707 03 B	707 06G	707 131	707 1ST	707 23 V	707 28D	707 33K	707 380,	707 43 V	707 4 8A					
	mm <=5.000 m	m 707.04C	707 091	707 14P	707 190	707 242	707 29F	707 34L	707 39 R	707 44W	707 498					
												н				
		ØZimm Simple o	double :	ø 30 mm Simple o	louble S	ø 35 mm imple de	uble S	ø 40 mm imple d	ouble S	ø 45 m imple	do u bie					
OT.	Additional spacer	707 50C 7	07 510 7	07 5 2F 7	07 53G 70	07.54H 70	7 553 70	07 5 4 H 7 C	7 55) 7	07 54H 7	07 55J			U		
	Mirror polished	707 56K 7	07 57 L 7	07 56 K 7	07 57 L 70	07 56 K 70	757L 70	07 56 K 70	9757L 7(07 56 K 7	07 57 L					
	steel															
A100												-		/	/	
	AD	LOC	CKF	1A7	١G	Ξ: 5	Stai	nle	SS	stee	əl	/			/	
	AD	LOC	CK F	RAI	١G	Ξ: S	Stai p	nle: ivot	ss : : hir	stee	el s	/	2	/	/	
	AD	LOC	CK F	RAN g avail	NGE able c	Ξ : S	Stai p	nle: ivot	ss : : hir	stee	el s	/		5	/	
	AD	LOC	CK F	RAN g avail 2	NGE able c	E : S	Stai p w.adle	nle: ivot	ss : : hir	stee	el s				-	
	AD	LOC	rawing	RAN g avail	able c	= : S on wwo s	Stai p w.adle	nle: ivot	ss : : hir	stee	el s			5	-	
	AD	LOC	CK F	RAN g avail	able c		Stai p w.adle	nle: ivot	ss : : hir	stee	el s				-	
	AD		CK F		able c		p v.adle	nles ivot	ss : hir	stee	el s			5	-	
	AD			avail	able c		p w.adle		ss : hir	stee	el S			5	-	
	AD			avail	able c		p v.adle		ss : hir	stee	el s			5	-	
	AD			avail	able c		P v.adle		ss : hir	stee	el s			5		
	AD		CK F	avail			Variable Provide Provi		ss : hir	stee	el s			5	-	
	AD		CKF	RAN avail * Classes		DI WWW	Party propagation		ss : hir	stee	el S			3		
	AD		CKF	C Belance de Construir de Const		Dan www.	Part of provide the second sec		ss : hir	stee	el S					



ADLER		ADL	OCK RANGE	- Solo
ST	AINLESS S	STEEL P	IVOT HINGES	
	Model	Upper and Iower hinges	Full height pivot hinges	
	Prescription	door weight up to 100 kg	all weight up to 200 kg (for higher weight speak with Adler)	+
	Free pivot	732 21P	732 26	
	Pivot on square floor spring axis (French)	732 22Q	732 27V	
	Pivot on rectangular floor spring axis (German)	732 23R	732 28W	
	Positioned pivot with automatic blocage	732 245		
	Option :	- floor and ceil - overlight soc	ing plate ket	
	1			
	ADLOCK R	ANGE :Fi 4 glas	xing of glass wa ss wall connecto	lls rs
	2	-	-	
	~ ~	-		15 mm
732/11			the second se	732406
	-		-	WILL



FT-828B0312 page 21/27







FT-828B0312 page 22/27







ADLOCK

SELECTION OF ARTICLES ON www.adler-sa.fr

FT-828B0312

page 23/27



707 702 HANDLE DBL UPPER AND LOWER LOCK D.25

707 67W HANDLE DBL D.30 L<300MM

707 66V PULL HANDLE

707 65U KNOB FOR SIMPLE DBL HANDLE

707 635 TRANSOM SOCKET Ø35

707 61Q SOCKET FOR INTEGRATED LOCK HANDLE

 707 00Y
 HANDLE SPL D.25 L<=350 MM</td>

 707 012
 HANDLE SPL D.25

 707 05D
 HANDLE DBL D.25 L<350 MM</td>

 707 06F
 HANDLE DBL D.25 L<950 MM</td>

 707 07G
 HANDLE DBL D.25 L<950 MM</td>

 707 08H
 HANDLE DBL D.25 L<2950 MM</td>

 707 18T
 HANDLE DBL D.30 L<2950 MM</td>

 707 26B
 HANDLE DBL D.35 L<950 MM</td>

 707 27C
 HANDLE DBL D.35 L<950 MM</td>

 707 51D
 SPACER HANDLE DBL D.35 L<1950 MM</td>

 707 53G
 SPACER HANDLE DBL D.35 L<1950 MM</td>

 707 57E
 HANDLE DBL D.35 L<1950 MM</td>





FT-828B0312 page 24/27





FT-828B0312 page 25/27



707 72B BUILT-IN LOCK HANDLE D.35

707 75F DBL BUILT-IN LOCK HANDLE D.25

707 80L PUSH-TYPE SPL HANDLE LOCK SYSTEM

707 87T HANDLE DBL D.25 L=500 MM

707 97D ADLOCK SELF-BLOCKING MECHANISM

732 04V TIGHTENING WRENCH

732 21P UPPER AND LOWER HINGE D.25

732 22Q SQUARE AXIS HINGE D.25

732 23R RECTANGULAR AXIS HINGE D.25

732 25T MIRROR POLISHED FINISH

732 26U FULL HEIGHT HINGE D.25



FT-828B0312 page 26/27



732 338 ADDITIONAL MOUNTING POINT

732 34C UPPER AND LOWER PIVOTS

732 35D PIVOT FOR TRANSOM

732 40K 90° ANGLE CONNECTOR D.25

732 41L 90° ANGLE CONNECTOR D.25 2 POINTS

732 43N 180° ANGLE CONNECTOR D.25

732 44P 90°ANGLE CONNECTOR WALL/GLASS

732 60G EXTRA COST FOR THICKER DOOR

732 61H ADDITIONAL HINGE > 3000

733 10L 3D WALL MOUNTING SUPPORT









1910 Creation of the company











2008 Adlock patent: casement door locking device



E-mail : admin1@adler-sa.com Site : www.adler-sa.fr Tel. : +33 (0)1 60 03 62 00 • Fax : +33 (0)1 60 03 62 49 Z.A. La Barogne • 9, Av. des 22 Arpents • 77230 Moussy le Neuf • France SAS au capital de 2 014 000 euros • RCS meaux