

# Gatelocks

## Types VL10, VL11, VL20, VL21, VL30, VL31, VL60, VL61

Publication Number GL011/0400

### Application

For use on lift landings, Dewhurst gatelocks are robustly designed dual-contact locks, with pre-locking features. The VL10/11/20 and VL21 are used with collapsible gates or sliding doors; the VL30/31 with single swing doors and the VL60/61 with double swing doors. The gatelocks are used in conjunction with a suitable retiring ramp (such as the Dewhurst Type FR21) and are adaptable for either right-hand or left-hand operation.

### Note: VL11, VL21 and VL61

Operation is in accordance with BS5655:Part1:1986 except for clause 7.7.3.1.1 and Appendix F1. For use as like-for-like replacement only, in accordance with BS5655:Parts 11 & 12:Clause 2.2.

### Operation

As the door(s) close(s) the beak enters the lock, engaging with an insulated cam carrying a self-aligning contact that completes a circuit when the beak reaches a closed position. This circuit is in series with the retiring ramp and a call for the lift immediately causes the ramp to withdraw, allowing the lever to fall forward so that the locking plate engages, locking the beak(s) in position. This action also makes a second circuit which is the actual control-circuit interlock of the lift controller.

### Type Approval

This new development of the VL10/20/30 locks is clearly identifiable by the moulded transparent polycarbonate covers and the transparent contact carrier. These are design improvements to the range implemented by Dewhurst plc to meet the B.S. Requirement that the lock contacts should be visible for insurance inspection purposes.

The VL10/20/30 locks now comply with the type-examination requirements of EN81:Part1:1988, Appendix F.1. Landing Door Locking Devices.



**Note:** Metal covers are still available to order for the VL10/20/30 locks but locks with this option do not comply with BSEN81-1:1998

### Construction

The lock is housed in a substantial, die-cast frame, enclosed at front and back by two captive screws. The VL10/20/30/60 and 61 Gatelocks beak and carriers are aluminium bronze castings, the VL11/21 and 31 Gatelocks beak and carriers are brass castings. The beak is chamfered for easy entry into the lock.

### Contacts

Contacts are self-aligning with self-cleaning action and have a positive knock-off feature.

### Rating - VL10/20/60 locks

2A @ 240V a.c., 0.7 power factor

1A @ 240V d.c., inductive load with a time constant of 100ms






### Weights

VL10 Gatelock	=	2.36kg	VL30 Gatelock	=	2.4kg
VL11 Gatelock	=	1.6kg	VL31 Gatelock	=	1.6kg
VL20 Gatelock	=	2.45kg	VL60 Gatelock	=	10kg
VL21 Gatelock	=	1.6kg	VL61 Gatelock	=	6.4kg

If you require further information on our gatelocks please ask for the following publication numbers:

VL10 Gatelock	-	II063	VL30 Gatelock	-	II062
VL11 Gatelock	-	II051	VL31 Gatelock	-	II029
VL20 Gatelock	-	II054	VL60 Gatelock	-	II014
VL21 Gatelock	-	II030	VL61 Gatelock	-	II052

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