

## Z600 SERIES SOFFIT MOUNTED CO-ORDINATORS

The Z600 Series is a patented US manufactured range of soffit applied door co-ordinators designed to function in high frequency areas with minimum maintenance. This tried and tested innovative design provides a smooth, quiet, invisible, and tamper-proof means of controlling the closing sequence of the active and inactive leaves of a pair of doors fitted with self-closing devices. They are widely used on pairs of doors equipped with astragals, rebated meeting stiles, vertical rod exit devices, automatic flush bolts, and self-latching flush bolts. **ALTHOUGH THIS PRODUCT IS UL LISTED IN THE USA, IT IS NOT CE MARKED, DOES NOT HAVE A DoP AND SHOULD NOT BE USED ON FIRE RATED DOORS.**

The Z600 Series is designed to become an integral part of the head frame. Each set should comprise a co-ordinator mechanism and a filler bar which are mounted continuously on the soffit. Together they provide an even, unbroken line between active and inactive door hinge stops. The co-ordinator mechanism sits above the active leaf and houses the active leaf hold-open lever at one end and the inactive leaf release trigger at the other end. **This mechanism is available in five sizes but should be ordered at least 102mm longer than the width of the active leaf so that the inactive leaf release trigger comes into contact with the inactive leaf.** It is important to understand that the size of the co-ordinator mechanism is determined by the width of the active door leaf for this reason. A matching filler bar of the same profile is then supplied to sit above the inactive leaf so that the mechanism appears to run the complete width of the head frame between the hinge stops.

Units are supplied prime coat black (finish 600 PC) and can be left black or painted to match the frame. The maximum projection of the hold-open lever and trigger is only 28mm, thus the co-ordinator mechanism appear to be an integral part of the frame opening. The units are 40mm deep and only 13mm thick. They are supplied complete with two door strikes for the active leaf hold-open lever and the inactive leaf release trigger.

This co-ordinator is vandal proof and accident resistant. An adjustable shock absorption spring located in the hold-open lever allows the lever to release the active leaf if abnormal forces are applied to it while in the held-open position. This prevents damage to the door, hinges, co-ordinator, and other associated door hardware. The spring in the hold-open lever can be adjusted by a #2 Phillips screwdriver for adapting to various closing speeds, and different door weights.

Z600 Series can be used on jamb opening widths from 864mm to 3048mm with active door widths from 457mm to 1575mm. The minimum soffit width required is 32mm and maximum astragal overlap is 25mm.

An optional Carry Bar (ref CB) can be used when the inactive leaf is equipped with hardware that permits it to open before the active leaf. The Carry Bar is mounted on the inactive leaf but is not used when the inactive leaf is fitted with flush bolts. Optional mounting brackets are available for soffit applied hardware such as door closer parallel arm brackets, panic bolt strike plates etc. Bracket ref AB suits soffits 22mm - 57mm wide, and Bracket ref C suits soffits over 58mm wide.

- Non-handed.
- UL Listed, No R10849.
- 100,000 cycle tested under UL supervision.
- Certified to ANSI/BHMA 156.3-2008, Grade 1, Type 21, 21A.
- Standard finish black prime coated 600 PC.
- US28 powder coated grey available to special order.
- Supplied with fasteners and fixing instructions.
- Filler bars cut to length by customer.



### CO-ORDINATOR MECHANISMS (filler bars supplied separately)

REF	DESCRIPTION	MECHANISM WIDTH	MAX ACTIVE DOOR WIDTH	TOTAL OPENING WIDTH	BOX QTY
N-634*	Mechanism only, black	813mm (32")	Up to 711mm (28")	889-1371mm (35-54")	4
NX-644*	Mechanism only, black	1067mm (42")	Up to 965mm (38")	1143-1371mm (45-54")	4
654	Mechanism only, black	1321mm (52")	Up to 1219mm (48")	1397-2438mm (55-96")	4
L-662	Mechanism only, black	1524mm (60")	Up to 1422mm (56")	2438-2845mm (96-112")	4
XL-668	Mechanism only, black	1676mm (66")	Up to 1574mm (62")	2870-3048mm (113-120")	4

### OPTIONAL FIG 66 PARALLEL ARM MOUNTING BRACKETS & CARRY BAR

REF	DESCRIPTION	SOFFIT WIDTH	BRACKET LENGTH	BOX QTY
AB	Mounting bracket, black	22-57mm (7/8-2 1/4")	127mm (5")	50
C	Mounting bracket, black	58mm+ (2 1/4"+)	127mm (5")	50
600D-PC	Universal mounting bracket, black	-	197mm (7 3/4")	10
CB	Carry bar, black	-	-	10



600D Bracket



CB Carry Bar

### FILLER BARS (to be cut to length by customer to suit various jamb openings)

REF	DESCRIPTION	FILLER BAR WIDTH	BOX QTY
FB18-5/8	Filler bar only, black	473mm (18 5/8")	10
FB42-5/8	Filler bar only, black	1083mm (42 5/8")	10



AB Bracket



C Bracket

### IMPORTANT ORDERING NOTES

Width of active leaf + width of inactive leaf = total width of opening.  
Width of active leaf will determine the length of the co-ordinator mechanism.