



**CARDEADOORS**

Cardea Door Systems  
Unit 3, West Link Business Park  
James Corbett Road  
Salford, M50 1DE  
Tel : 0161 745 5000  
Fax : 0161 745 5001

## Installation Instructions

### "CDX RANGE" DOOR – SINGLE/DOUBLE – BOLTED FRAME

#### PACKAGING

Single and double Doorsets are despatched in "knock-down" form, for ease of handling. Doorsets are delivered to site on pallets, poly-wrapped & banded. Crating can be provided, if required at extra cost.

#### SITWORK

For stability & long service life, adequate sitework is essential. The opening must be formed from material of adequate strength and all brick or concrete blockwork should ideally be a minimum of 7N/mm<sup>2</sup>.

Aerated concrete is not recommended and hollow brick/block should be suitably back-filled during opening construction, to provide adequate strength to take the frame fixing bolts.

Openings must be plumb & square, and floor threshold, within the Area swept by the door leaf, must be level. (Very important on doors Where thresholds are recessed into floor to achieve maximum free Height).

#### INSTALLATION

Doors & frames can be installed by client personnel, but a full Installation service is available, utilising experienced installation teams. (Prices available on request.)

Note: All frame fixings positions in the jambs and header to be Used. Frame not to sit proud of the external structure. When fixing to a steel structure please ensure that all fixing points are drilled and tapped to suit M8 hex head fixings

The following procedures are for guidance only and should be read in conjunction with actual contract drawings (if provided).

#### OPENING

1). Check that the structural opening is square, vertical & plumb, and of the correct size to suit the door. (See our contract drg. or schedule).

#### FRAME (Hinge side)

2). Identify the left & right frame jamb and place on a smooth flat surface to avoid damage to paintwork, with the door rebate uppermost.



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3). *Position the header (and cill, if provided) between the uprights with the fixing cleats in line with the bolt-holes in the jamb sections. Assemble using 1:M8 hex.hd. setscrew & 1:nut per cleat and when all setscrews are in place, square up the frame and tighten all fixings.*

4). *Position the assembled frame in the opening and secure temporarily using a timber stay, or similar, as required. Ensure that the jams are aligned and that the header is horizontal, placing suitable packers under left or right frame member, as necessary.*

#### Installation Instructions

5). *Drill through the top hole of the hinge jamb, into the masonry, to accommodate the fixing bolts required. Clear the loose debris from the hole and install the fixing, inserting steel packing shims supplied with the door set as necessary. Fixing should be "finger tight" only, to allow adjustment. if required.*

6). *Check that the frame section is still plumb & square and install the remaining fixings for this jamb, again inserting steel packing shims, at each fixing, as required. Ensure that frame member has maintained its position and tighten all fixings.*

#### DOOR

7). *Loosely fit the hinges to the door leaf using the fixings provided and position in the frame, securing the hinges to the frame jamb*

8). *Adjust the height and position of the door leaf and tighten the hinge fixings in the door leaf.*

9). *Operating the door leaf carefully, close the door and check that the inside face of the door maintains correct distance from the face of the frame rebate . Open the door and check that door maintains required clearance from floor during full arc of movement.*

10). *Adjust hinges, at door leaf, as required to suit above-mentioned clearance and retighten hinge fixing.*

#### Frame (strike side)

11). *With door closed, check that strike jamb is in line with leading edge of door leaf and that header is parallel with top edge of door.*



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12). *Install the fixings, as required. Please note that it is important that the clearances of 4mm on the strike face of single and 4mm at the meeting stile of double doors is maintained, to adjust add or remove the frame packers accordingly. Finely ensure that frame member has maintained its position and tighten all fixings.*

### **HARDWARE**

*As so many hardware options are available, these instructions cover the installation of the basic standard latch & lever handles only.*

*If special ironmongery is listed on the schedules, refer to the installation instructions packaged with the items.*

13). *Fit the lockcase into the prepared cut-out and secure through the fore-end plate using the fixings provided.*

14). *Fit the handle set using the through-bolts provided, such that the tamper-proof fixings are on the "secure" side of the door.*

15). *Set the lock strike plate jamb frame and check the latching action of the door. Adjust as necessary.*

16). *Fix the buffer stops into pre-drilled holes in the frame, (or fit the self-adhesive weathering striping as shown on drawings.)*



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17). *Fit the blanking plugs to cover holes in frame.*

18). *Apply mastic sealant to gaps left between frame and structural opening.*

External doors- Std, waterproof mastic.  
Fire doors – Lorient intumescent mastic.  
Gen, purpose doors – Std, Building mastic  
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*This door is a quality product, manufactured to close tolerances with continuous monitoring of the computerised process to ensure that all aspects of the design & test specification are adhered to*

*No responsibility will be accepted by Cardea Door Systems Ltd for the failure of, or damage to, the product, caused by incorrect installation by contractors or sub-contractors not employed directly by ourselves.*

*Each leaf is serialised at the top closing edge to give a discrete identification number for future use. To obtain replacement parts or door furniture etc., please quote this number in all correspondence.*

**SERVICING & MAINTENANCE**

*Service inspections should be arranged every 3-4 months, (more frequently if is subject to very heavy usage), to ensure continued satisfactory operation.*

**DOORSET SERIAL NUMBER:** - .....