



crlaurence.co.uk

'All-glass' door hardware, movable glass storefront walls and stacking glass storefronts

C.R. Laurence of Europe (CRL) manufactures the patented *Wedge-Lock™* door rails for 'all-glass' entrances and storefronts, suitable for many applications including movable glass mall fronts.



Introduction: CRL offers a comprehensive door and fixed glass lite rail programme, stocking four different heights of door and fixed glass lite rails in six standard architectural finishes.

A large variety of powder-coated options is offered as well as custom finishing.

Authority: CRL uses progressive ISO 9001: 2008 manufacturing processes to create products for the glazing, railing, architectural, construction and automotive industries and general industrial facilities.

Wedge-Lock™ door rail system:

Authority: The *Wedge-Lock™* glass securing system is the subject of US patents 6,434,905 and 6,912,818 B2. Foreign patents are pending.

Description: The *Wedge-Lock™* system is an original concept for securing the glass in the door rail. It works by applying pressure evenly along both sides of the glass by tightening the jaw screws, accessed from the hardware pocket of the rail. The screws then draw down a flat stainless steel bar. The steel bar in turn pulls down the gripping jaws. This action forces the jaws towards one another, creating a tremendous amount of force against the glass, holding it securely in place. The system's benefits are:

- Fully adjustable
- Uses same rail at top and bottom
- Broken door glass can be replaced in less than 30 minutes
- Rails installed on glass in less than 10 minutes
- Systems held in stock
- Custom-made to fit existing openings.

Mechanics: Independent testing indicated that across the operating temperature range of -23 to 65.5°C, with 454 kg of tension load applied, there was no evidence of movement detected. At an ambient temperature of 22.8°C, in a pull-to-failure test, 3130 kg of tension was required before any creep with no failure detected.

Stacking Partition System (SPS):

Applications: The *SPS* has been designed to provide virtually unlimited possibilities in the design of movable glass dividing walls. Such walls are ideal for storefronts and malls allowing full visibility of merchandise combined with the flexibility to be stored out of the way quickly and easily. Their use enables restaurants, cafés and nightclubs to easily expand their indoor/outdoor seating space.

Description: The *SPS* features *Intelli-Track™* and includes convertible sliding/pivoting doors with full sliding and stacking capabilities that control accessibility while being able to easily open up any space when needed. Examples are 'all-glass' entries with pivoting doors that can, by sliding, be stacked out of the way leaving a wide open entrance.

SDR and SSR bottom rolling sliding door systems:

Description: CRL's, *SDR* and *SSR* systems use the same technology as the *Wedge-Lock™* door rails to secure heavy panels of 10 to 12 mm toughened glass to create almost 'frameless' glass doors between interior areas. Several configurations are available in seven architectural finishes.



Installation is simplified because each unit is custom-built to clients' specifications for opening size and glass thickness. Once installed doors can be adjusted or aligned without removal.

Overhead track sliding and bi-folding door systems:

Description: Designed for a variety of different applications, the systems' universal track and roller design allows them to be used as sliding, half panel bi-fold or full panel bi-fold configurations. Top roller carriage assemblies adjust easily for

both height and alignment. This compact design allows for the top track and the door rail widths to match, providing an even sight line. A pile weatherstrip fills the gap between the top track and door rail. Each unit is custom-built to clients' specifications for opening size, glass thickness and locking hardware.

SERVICES

Sales and Technical:

The C.R. Laurence technical sales team offers the following services:

- Design assistance.
- Preparation of a detailed quotation for presentation to client.
- System selection.
- Component selection that enables job completion with the minimum amount of excess material.

REFERENCES

Brochures on all CRL Architectural Products are available from the company. They can also be viewed on or downloaded from the company's website at www.crlaurence.co.uk

Further information on C.R. Laurence products can be found in the following sections of this edition of the RIBA Product Selector:

- Structural glass hardware spider fittings (21)
- Movable glass walls, sliding partitions and washroom panels (22)
- Pass-through and service windows (31.4)

- Sunshades, awnings and aluminium and steel canopies (31.4)
- 'All-glass' door rail hardware, patch fittings and hinges (31.5)
- Concealed door closers, surface mounted closers, egress handles, centre locks and locking ladder pulls (31.59)
- Balustrade and handrail systems in stainless steel and aluminium (34)
- Wall, ceiling, column and canopy cladding panel systems (41)
- Partition posts, sneeze guards and service rail hardware (73)
- CaesarStone® quartz surfaces (73), (74)
- Frameless shower door and washroom partition hardware (74)

C.R. Laurence of Europe
 Charles Babbage Avenue
 Kingsway Business Park
 Rochdale
 OL16 4NW

Freephone: 00 800 0421 6144
Freefax: 00 800 0262 3299
Email: crl@crlaurence.co.uk
Website: www.crlaurence.co.uk

Contact: Technical sales

rps no: 26114