



Uniclass	EPIC
L4183	D185
C/SFB	(31.59) X

Hinges & Pivots

for Specifiers, Architectural Ironmongers & Door Hardware Specialists

Introducing the *LifeSpan*
REL.CB196OR a CE marked hinge
Available exclusively from Relcross



REL.2060R & REL.2060C - Stanley Spring and Companion Hinges

- Spring hinges are a proven cost effective and theft resistant alternative to conventional overhead door closers for use in apartments and other private dwellings
- Fitting reliable door closing hardware to internal fire door assemblies is essential (in our opinion) in all residential situations
- Relcross spring hinges combine both the hanging and closing of the door in one product
- Residents' occasional opposition to cumbersome and often ill-adjusted overhead door closers is understandable and can be addressed at the design stage by the introduction of spring hinges

REL.2060R.102.102



Standard Features & Benefits

- **Quick to Install** - Saves on installation costs compared with conventional overhead door closers
- **Lifetime Warranty** - Years of trouble free closing
- **Patented, Dependable Ratchet Adjustment** - Fast, one-handed hex key adjustment
- **Advanced Spring Design** - Square section spring for 25% extra power
- **LifeStar Bearings** - No metal-to-metal contact
- **Safety Locking Screw** - Locks the tension spring setting and seals the hinge tip
- **UK Fire Approval** - For use on E30 & E60 and FD30 & FD60 fire doors
- **Un-sprung Companion Hinges** - Offer cost savings where conditions allow
- **'Grabber' Pintle** - No spring kink

Correct Specification

It should be borne in mind that the door size & weight, type of hinge, type of latch, type of smoke seal, door perimeter gaps and air pressure within a building all contribute to the closing action of a door. The specification should be considered as an entire solution and not as individual component parts.

Use spring hinges on internal doors only. Do not specify Relcross spring hinges to control external or perimeter doors. We always recommend using a minimum of three hinges on any door. Occasionally it may be possible to substitute one or two spring hinges with a corresponding number of companion hinges (i.e. un-sprung hinges) of the same size to reduce the overall cost.

Companion hinges are effectively spring hinges with the spring and ratchet mechanism removed. They are load bearing hinges but, so far as fire door installations are concerned, must only be used as part of a spring hinge set.

Important Note. We do not offer the REL.2060R hinges as an alternative to conventional door closing devices per se. We recommend, wherever possible, using devices offering door control throughout the opening and closing cycles, including a back-check feature as standard.

Certification Issues - Draft Standard prEN WI 0033 290 - Update

The draft standard for spring hinges and products of similar type will be sent shortly for its first CEN enquiry. The REL.2060R spring hinge will comply with the standard once it is finalized.

However, until such time as the draft standard prEN WI 0033 290 (see below) is adopted it is advisable (when specifying spring hinges) that the specific consent and approval of the local regulating body, i.e. the local fire officer is sought.

Fire Certification

UK Fire Approval: IFC Report IFCA/06239

EN 1634-1: 2000 - E30 & E60 Fire Doors and BS 476 part 22: 1987 FD30 & FD60 Fire Doors - as defined in the above report.

In summary:

REL.2060R spring hinges and REL.2060C companion hinges are assessed for use on previously tested and/or assessed 30 minute and 60 minute fire resisting timber doors of maximum leaf size:

- **2040mm high x 915mm wide (E30 & FD30)**
- **1981mm high x 915mm wide (E60 & FD60)**

- providing the conditions and limitations defined in IFCA/06239 are complied with. The doors to which hinges are fitted must have been tested or assessed for fire resistance according to BS EN1634 part 1: 2000 & BS 476: part 22:1987. Compliance limitations regarding leaf thickness and associated intumescent protection (as defined in IFCA/06239) is essential. This information is freely available from the Sales Office upon request.

Test reports and assessment reports are strictly confidential and are available for inspection at our offices by prior arrangement.





STANLEY

REL.2060R and REL.2060C

REL.2060R & REL.2060C - Stanley Spring and Companion Hinges

Standard Specification

For spring hinges and un-sprung companion hinges

- **Full Mortice** Template Drilled
- **Stock Sizes** 89mm x 89mm
102mm x 102mm
- **Gauge of Metal** 2.5mm
- **Stock Finishes** US26D Satin Chrome
US26 Polished Chrome
US3 Polished Brass

Optional Specification

For heavy duty spring hinges

- **Full Mortice** Template Drilled
- **Stock Sizes** 114mm x 102mm
114mm x 114mm
- **Gauge of Metal** 3.4mm
- **Stock Finishes** US26D Satin Chrome
US26 Polished Chrome
US3 Polished Brass

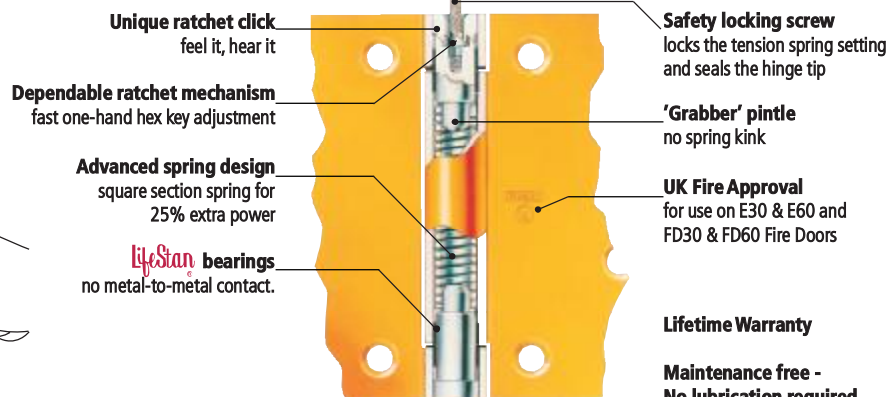
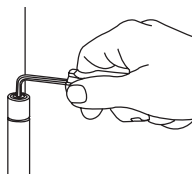
Optional Features

Available to special order

- **Radius Corners** Template Drilled with 16mm Radius Corners (available on any listed finish)
- **Finishes** US32D Satin Stainless Steel
US32 Polished Stainless Steel

Ratchet Settings

All spring hinges fixed to the same leaf must be adjusted to the same setting. The actual setting is determined by prevailing conditions. To ensure correct installation the door must close and latch from any angle between 90° and 15° from closed.



Spring Hinge Selection Guide - For E30 & FD30 Fire Doors in Residential Dwellings				
Hinge Size (door thickness - min.)	Door Weight/Kilos (not exceeding)	Max. Door Size E30 & FD30	Quantity of Spring Hinges	Quantity of Companion Hinges
89mm x 89mm (44mm*)	23 kilos	2040mm x 915mm	1 off Rel.2060R	2 off Rel.2060C
89mm x 89mm (44mm*)	39 kilos	2040mm x 915mm	2 off Rel.2060R	1 off Rel.2060C
89mm x 89mm (44mm*)	50 kilos	2040mm x 915mm	3 off Rel.2060R	—
102mm x 102mm (44mm)	23 kilos	2040mm x 915mm	1 off Rel.2060R	2 off Rel.2060C
102mm x 102mm (44mm)	39 kilos	2040mm x 915mm	2 off Rel.2060R	1 off Rel.2060C
102mm x 102mm (44mm)	50 kilos	2040mm x 915mm	3 off Rel.2060R	—
114mm x 102mm (44mm)	82 kilos	2040mm x 915mm	3 off Rel.2060R	—
114mm x 102mm (44mm)	82 kilos	2438mm** x 915mm	4 off Rel.2060R	—
114mm x 114mm (54mm)	82 kilos	2438mm** x 915mm	4 off Rel.2060R	—

*89mm x 89mm hinges can be used on door thicknesses down to 35mm. However, their use on door thicknesses other than 44mm nullifies UK fire approval.

**This door size falls outside UK fire approval - seek independent approval.

For commercial installations (including student accommodation) use conventional LCN overhead door closers (See Door Controls brochure).

Tel: 01380 729600
Fax: 01380 729888

