



architectural
ironmongery
journal

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advancing architectural ironmongery



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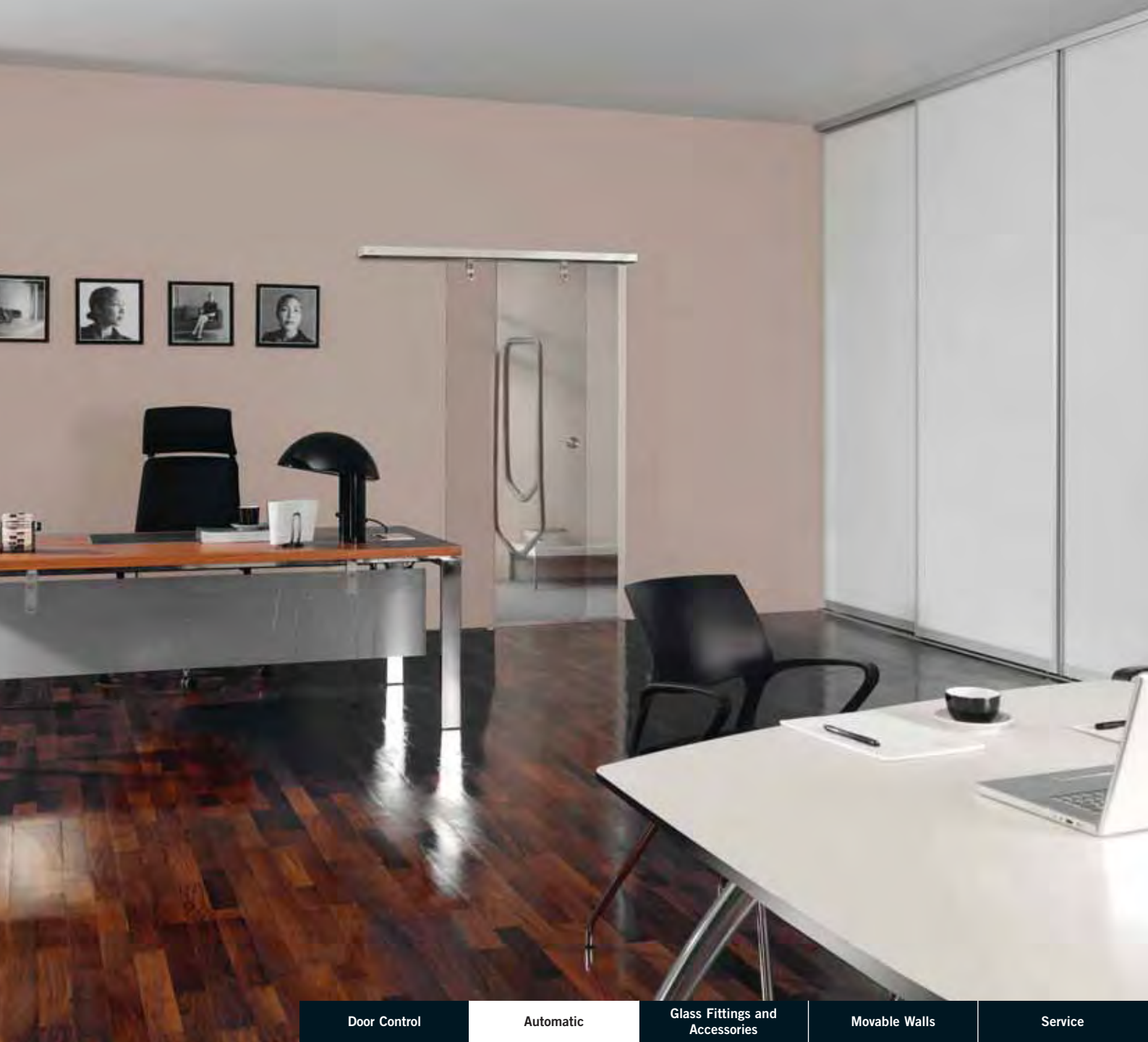
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TECHNICAL

Door closers performance
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Force gauges for doors



CS 80 MAGNEO – the future of automatic door technology.

Designed around an innovative door operator system based on magnetic technology, DORMA presents its CS 80 MAGNEO, an automatic operator for single-panel internal sliding doors.

The CS 80 MAGNEO is an all-purpose operator for the public, commercial and private sectors and with its superior functionality, stream-line design and elegant DORMA Contur finish, it meets the requirements of modern interior design.

The CS 80 MAGNEO's unique magnetic drive technology provides safe, silent and reliable operation and is a highly durable product.

Talk of "green shoots of recovery" in the economy is met in some quarters with snorts of derision. In fact, one leading AI told me categorically at the GAI's Specification Awards lunch in March that "anyone who tells you business is good right now is lying!"

But when the chairman of the US Federal Reserve, Ben Bernanke, says "I do see green shoots. Not everywhere, but certainly in some of the markets that we've been functioning in. And we've seen some improvement in the banks as well", should we take heart here in the UK? The Nationwide Building Society has reported an (admittedly very small) rise in house prices and the High Street has seen a surprising rise in sales. Many AI's whose businesses operate in the commercial sector have been shielded from the worst of the slump which has hit domestic building, and the Government's commitment to bring forward investment in public building, coupled with the Olympics, should bring us some good cheer.

Yet still it is hard to feel Bernanke's optimism in the chilly light of day. Gloom abounds, the weakness of the pound against the dollar and Euro, and a general reluctance of the private sector to commit to any capital expenditure makes many AIs depressed about the short to medium term future of UK building. As the leaves start to appear on the trees in the UK, it looks like the economic winter may last a little longer to come.



Helen Curry

aijfront cover



Helen Curry visits a Nash-designed villa in Regent's Park that is being renovated, rebuilt and extended in the grand style.

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NEXT ISSUE

Copy date for the **Summer 2009** issue is **26 June 2009**. All adverts are accepted subject to approval from a Technical Approval Committee

ORIGINAL WINNER

A Newcastle-based architect, Sebastian Messer, has won GEZE UK's 'An Entrance to London' architectural competition, with his entry 'Albion Awaits Hermes 2012'.

At an awards lunch in London, Ralph Steadman joined renowned architect Sir Terry Farrell, Architects' Journal features editor Rory Olcayto and GEZE UK's managing director Andrew Hall, to present Sebastian with an original artwork created by Ralph Steadman.

Andrew Hall commented: "We judged all the finalists on the creativity, originality and architectural interest and as a panel, we felt Sebastian Messer submitted a weird, inspiring, multi-layered yet academic entry, which captured our imaginations and was a very worthy winner."

Run in association with the Architects' Journal, the unique competition attracted interest from hundreds of architects from across the world and entries ranged from the political to the bizarre, including



many fascinating visions for London.

Sebastian is a senior lecturer in Architecture at Northumbria University and a founding member of Studio MWM. Sebastian studied at the

Mackintosh School of Architecture, Glasgow and the Bartlett, University College London, graduating in 1998. He registered as an Architect in March 2000.

FINISHING LINE

Now hardware providers can issue trade descriptions of metal finishes for door and window hardware in accordance with a new Door & Hardware Federation (DHF) Code of Practice which the federation has produced in association with the GAI and the Master Locksmiths Association. The Code aims to clear up misunderstandings between hardware provider and specifier over the description of metal finishes for door and window hardware

The publication of the DHF Code of Practice for Metal Finishes reflects the increasing importance specifiers place in the metal finish applied to hardware products. Finishes help protect steel against rust and brass against oxidation. In the interests of aesthetics, increasing efforts are made to provide door hardware of matching appearance for building projects.

DHF Chief Executive Officer Ian Wood comments, "It is vital that the purchaser or specifier understands exactly what is being supplied so there is no element of unrealistic expectation - or indeed deception - in the transaction."

"The DHF Code of Practice provides manufacturers, suppliers, specifiers and end users with agreed methods of describing finishes thereby avoiding any misunderstanding. In marketing terms, the word 'finish' describes what the surface of the material looks like and is not necessarily a description of the actual surface material."

The Code of Practice details finishing terms in common use including silver-coloured finishes such as chrome plate, satin nickel plate, polished stainless steel finish and satin anodised aluminium; gold-coloured finishes such as polished brass, satin brass and industrial gold plate; bronze-coloured finishes such as bronze metal antique and bronze anodised; and black-coloured finishes such as black iron and black japanned.

The DHF Code of Practice for Metal Finishes is available for free download from the DHF website: www.dhfonline.org.uk





We've developed the new TS 2000 NV with some key adjustments



The latest development in door closers takes a market leader and gives it a new twist. In fact, just a simple twist with an allen key is all it takes to fully adjust the closing force, making it easier to conform to the requirements of Approved Document M and BS8300.

Developed from the popular TS 2000 V, in accordance with EN 1154, and upholding its reputation for high quality and reliability, the new EN 2-4 door closer has fully adjustable hydraulic latching and back check functions. Available in a wide choice of architectural finishes, it is also Certifire approved – CF 252 and assists with DDA compliance.

TS 2000 NV – one of the most versatile door closers has just got even better.

Call our customer helpline on **01543 443000**
Email info.uk@geze.com or www.geze.co.uk



A CLEAR CASE FOR GLASS

GEZE UK tackles glass door assembly in its latest RIBA approved CPD training seminar, entitled 'Glass Door Assemblies – Selection And Specification'. The seminar provides an overview of the properties of glass and how it can be used in doors and entrances throughout a building environment.

The seminar focuses on standards and legislation that apply when using glass, the manufacturing processes, the qualities of manual swing and sliding doors as well as the implications of using glass with frameless and automatic doors. The course forms part of the RIBA's new CPD core curriculum and falls under the general heading 'construction skills'.

The seminars are held onsite at architectural practices across the UK and can be booked directly with GEZE UK by calling 01543 443015 or by emailing info.uk@geze.com or for more information on this or other CPD seminars from GEZE UK visit <http://www.geze.co.uk/cpd/8/>



STOCK NETWORK

A new web site www.networkyourstock.co.uk has been launched to help AIs and manufacturers to reduce or eliminate slow moving or dead stock. The site brings together buyers and sellers at a time when green and wastage issues are at their most prominent and financial pressures are forcing business principals to explore all avenues to streamline their operations. **www.networkyourstock.co.uk** helps businesses turn stock to cash, reducing the cost burden of excess or dead stock.

Craig Sellers of Total Opening Solutions, the company behind the new site comments, "The idea for the business came out of our experience in the architectural and security manufacturing and distribution sectors where many companies build up a value of slow moving stock which will no doubt sit on their shelves for a number of years.

"Although slow and dead stock is a continual issue, it is invariably highlighted towards year end when the stock take throws up the same lines sitting on the same shelves as the previous stock take," he concludes.

TOS estimates that 95% of slow or dead stock has a market value to someone – if only they knew that the stock exists. The new portal lists these stocks allowing potential buyers to purchase shelf-hogging lines.

Selling slow and dead stock has two results. Firstly there is a business improvement with extra cash in the business and expensive storage space freed up. Secondly there is an environmental advantage with a significant reduction in waste disposal costs, a reduction in landfill or hazardous material disposal processes.

The process has been designed to be simple. Vendors identify products to list, photograph it, upload the photo and add a description and contact details – pay a listing fee of £10 + VAT for four weeks. "Then all they have to do is sit back and wait for the phone to ring!" concludes Sellers.



HSE SUPPORT

A comprehensive guide to improving the methods of restraining roller shutter door barrels produced by the Door and Hardware Federation (DHF) is now available on the Health & Safety (HSE) website.

The best practice guide was produced jointly by the DHF and the HSE following a number of accidents involving industrial doors and shutters, one of them fatal, which were investigated by the Health & Safety Executive.

The DHF Best Practice Guide for the Methods of Restraining Roller Shutter Door Barrels details the design characteristics which must be considered when specifying or supplying roller shutter door barrels.

For more information on the guide, visit the HSE website www.hse.gov.uk/workplacetransport



CODELOCKS

control + convenience



CodeLocks introduce the
CL600 range of heavy duty
mechanical CodeLocks

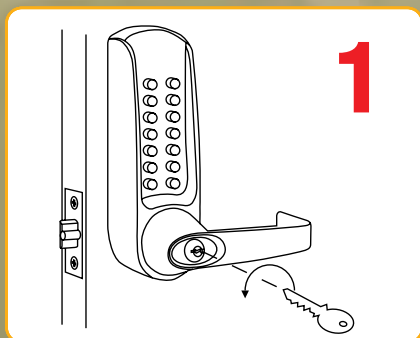
NEW

**CODELOCK
600
MECHANICAL**

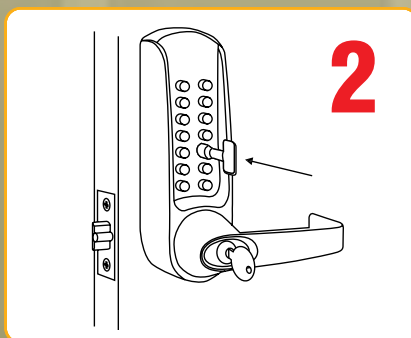
- Quick Code
- Quick Change
- Quick Retrofit



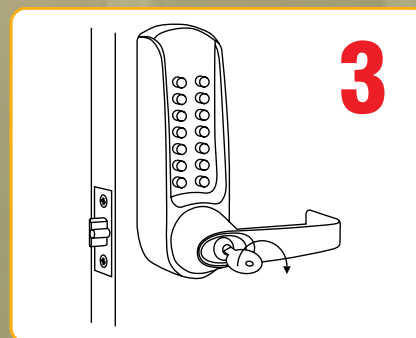
How to Quick Code



Turn key fully anticlockwise.



To select any button as part of code,
turn button clockwise.



Remove key.

Quick Retrofit

With fixing points designed to match similar competitor products, the CL600 range is the ideal quick retrofit. The CL600 is supplied non handed and with key override as standard, making product selection simple.

Quick Code - Done!

WHAT A DIFFERENCE A DAY MAKES



The 2009 GAI conference will be taking on a new style to make it more accessible, affordable and streamlined for members, large and small to benefit from with a central, easily-accessible location, and a changed, shortened format

Put the date in your diaries now: Saturday 23rd May 2009 at the Forest of Arden Hotel & Country Club in Warwickshire.

The GAI has put together a programme of focused activities for a day of serious business and superior relaxation and our guest speaker, Chris Moon MBE, is one of the most inspiring and sought after speakers in Europe.

The venue of this year's conference is set in the rural Warwickshire countryside, yet only four miles from the NEC complex and Birmingham Airport. As well as top notch golfing facilities for the annual golf tournament, the hotel boasts excellent leisure and business facilities.

Booking forms are available on the GAI web site at www.gai.org.uk.



INSTITUTE AGM MARKS NEW PARTNERSHIP

A well-attended AGM was held by the Institute of Architectural Ironmongers in Oxford in early April. The Institute, the individual membership section of the GAI, runs a thriving network of local branches across the UK.

The Institute AGM, sponsored by Kaba UK, Allgood plc, Royde & Tucker and GEZE UK, was addressed by Chairman Andy Howland who announced exciting developments for the Institute in Ireland.

"I am delighted to confirm that there is a genuine desire in Ireland for a vehicle to support the continuous professional development and networking requirements of our Irish membership," he commented.

I am confident that we can secure the services of an individual who will take ownership and assist with the management duties required to establish and retain the Ireland branch. In the short term the branch will cover all of Ireland with meetings alternating between the north and south, and it is intended to hold a first CPD meeting in June."

The Institute AGM also saw the presentation of the organisation's annual awards, including the inaugural Paul Lewis Trophy for outstanding customer service sponsored by Royde and Tucker.

The winners were:

Paul Lewis Trophy for Outstanding Customer Service: Dick Watts of DORMA

Bob Ramage Award for Services to the Institute: Dave Heal of Castle Hardware

Andrew Hall, President of the GAI, and Keith Maer also addressed the Institute AGM, testament to the ever closer ties between the two branches of the organisation. The meeting was brought to a close by Keith Snook, the RIBA's Director of Technical Services.

Automatic Door Systems
Window & Ventilation

> **Door Technology**

RWA & Safety Technology

Glass Systems

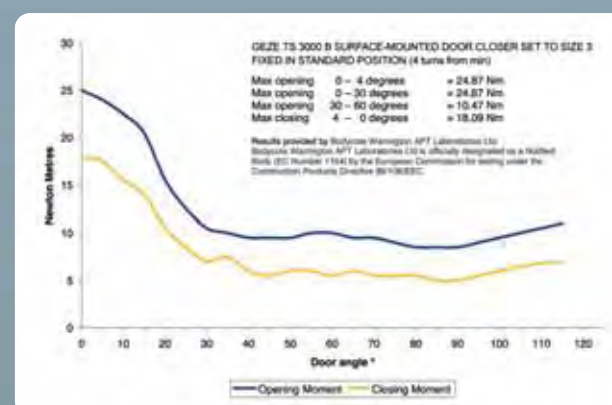
Service & Support



Two guide rail closers with the answers to Approved Document M

TS 3000 B and TS 3000 EC door closers are two more answers from GEZE that provide independent access for people with disabilities. Highly efficient with low opening forces they will help you to achieve the low opening force requirements and fire performance of Approved Documents M and B.

TS 3000 B and TS 3000 EC designed to give independent access to all.



Independently tested by Bodycote Warrington APT Laboratories Ltd

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At a packed occasion at Lord's Cricket Ground at the end of March, the AI trade gathered to hear the results of the GAI 2008/09 Architectural Ironmongers Specification Awards. Managed by the GAI in conjunction with the Royal Institute of British Architects (RIBA), the awards are designed to identify and reward excellence in the specification of architectural ironmongery in seven categories - Commercial Buildings, Established Buildings, Public Buildings, Renovated Buildings, International, Residential, and the newly inaugurated Sustainable Buildings with a record number of buildings nominated this year.

Speaking at the awards ceremony, GAI President Andrew Hall commented, "Ironmongery may seem, to the layman, like a pretty dry subject. But it is one which continues to exercise and interest every single one of us. The way in which the hardware allows a door to function is critical to the success of the whole building's security, safety and accessibility. A door which functions well on all these levels, as well as being pleasing to the eye, sets the tone for the whole structure.

"These awards also hold a particularly



important place in the industry because they serve to mark the relationship between ironmonger and architect which makes all of these projects such a success – regardless of scale, budget or purpose. Each award that is made today is made to the whole specification team – both architect and AI, highlighting the importance of the professional partnership between the two disciplines" he said.

PUBLIC BUILDINGS:

No overall winner was announced but the following project was Highly Commended:

The Royal Festival Hall

Architect: **Allies & Morrison**

Architectural Ironmonger: **Harbrine Ltd**

INTERNATIONAL BUILDINGS:

Winner:

Fairmont Towers Heliopolis, Cairo

Architect:

Wimberley Alison Tong & Goo

Architectural Ironmonger:

Allgood Worldwide

COMMERCIAL BUILDINGS

Sponsored by GEZE UK

Winner: **Robert Wiseman Dairies, Bridgwater**

Architect: **Stone & Partners**

Architectural Ironmonger:

Laidlaw Solutions Ltd, Bristol

ESTABLISHED BUILDINGS

Sponsored by Leaderflush Shapland

Winner: **The Royal Opera House**

Architects: **BDP & Dixon Jones**

Architectural Ironmonger:

John Planck Ltd

RESIDENTIAL BUILDINGS:

Sponsored by Securefast plc

Winner: **York Arc Light**

Architect: **Bauman Lyons Architects**

Architectural Ironmonger: **Em-B**

Solutions Ltd

RENOVATED BUILDINGS:

Sponsored by Frank Allart & Company

Winner: **85 Fleet Street**

Architect: **Crouch Butler Savage Ltd**

Architectural Ironmonger:

Trapex Hardware Ltd

SUSTAINABLE BUILDINGS

Winner: **Sharrow School**

Architect: **Sheffield Design & Project Management, Architects Division**

Architectural Ironmonger:

Lloyd Worrall, Sheffield



Lords Long Room was a magnificent venue for the awards



A tour of the ground included the futuristic media centre



The winners proudly show off their certificates



The sunshine added to a successful days business

PERKO **POWERMATIC®**

Whatever your project,
our concealed door closer won't limit you



Hotels, health, education, residential, commercial, local authority... whatever project you are working on, fire doors not only need to meet all requirements for fire resistance and accessibility, but also look part of your design, without detracting from the aesthetics.

Manufactured in the United Kingdom, to the high standards you have come to expect from Samuel Heath, the Perko Powermatic® controlled, concealed door closer is maintenance-free, carries a 10-year guarantee and ticks all the right boxes:

- ✓ CE marked
- ✓ BS EN 1154: 1997 Power size 3
- ✓ Perko Powermatic® can meet the opening force recommendations of BS8300 and Approved Document M. However, consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure it still meets the recommendations in situ.
- ✓ BS EN 1634-1 Approved for use on half-hour and one-hour fire doors
- ✓ Certifire approved

To find out more visit the Perko Powermatic® website or call us for specification advice.

SAMUEL HEATH

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The introduction of European performance standards for controlled door closing devices and the facility for compliant products to carry the CE mark have combined with various national standards and regulations to impose new requirements on the products themselves and place greater demands on those responsible for product selection.

As a consequence, professionals across public and private sectors of the building industry have become increasingly aware of the product and the benefits that door closers can deliver, both in fire and non-fire door applications.

There has also been a gentle broadening in the appeal of the product; where specification was once virtually the sole preserve of those involved in the design and functionality of the building project, designers, architects and architectural technologists working in conjunction with architectural ironmongers, today we see many other parties having an influence on product selection.

In many areas of the new build and refurbishment sectors, this has resulted in specifiers looking beyond a product's performance, quality and reliability towards more esoteric, but no less desirable, characteristics, such as aesthetics, safety and hygiene. There is, however, no escaping the fact that the vast majority of door closers are used in fire door applications. In addition to meeting the relevant, mandatory performance standards, together with other guidelines and regulations, each project will often place its own unique requirements on the selection of suitable door closers, depending on the situation, application and expected use (or abuse) of the doors.

Controlled door closers (devices that close the door at a controlled rate) have become the norm in most building projects. Their performance credentials are governed by BS EN 1154, which categorises products according to various performance criteria, including door mass, usage, fire behaviour, etc. A door closer that meets the requirements of this standard, supported by suitable evidence, can carry the CE mark and will normally do so, particularly where it is intended for use on fire/smoke doors.

In addition to CE marking, the other key areas of regulation, amongst others, that will have a bearing on local authority building and maintenance projects are Approved Documents M and B of the Building Regulations.

Approved Document M (Access to and use of buildings) stipulates maximum forces recommended for opening a door and is most often applied in the selection

DOOR CLOSERS— LOOKING BEYOND PERFORMANCE

**Roger Jeynes Technical
Director at Samuel Heath**

process in relation to the access requirements of the Disability Discrimination Act. Any door closing device will create resistance forces against the opening of a door. It is the energy input from opening the door and overcoming these forces that is stored in the device's mechanisms to create the closing forces. For the product manufacturer, the challenge has been to create devices that are energy efficient, i.e. devices that return as much as possible of the energy used in opening the door, to close it. Such devices can, therefore, provide automatic closing with smaller energy inputs, thereby imposing less resistance to the opening of the door.

Approved Document M

Approved Document M states that the forces required to open a door should not exceed 30N from the closed position and 22.5N when the door is between 30° and 60° open. Specification advice issued by the Guild of Architectural Ironmongers states that only closers classed as "extra efficient" (65%+ efficiency) should be used where fire doors are fitted on accessible routes. Some door closers, such as Samuel Heath's controlled, concealed door closer, Perko Powermatic® are capable of delivering an efficiency of up to 80%.

Despite resistance from manufacturing and building control professionals, Approved Document B (fire safety) of the Building Regulations has seen a number of changes which could have major impli-

cations for the social housing sector. Most controversial is what has been interpreted by many as the removal of the need to fit door closers in residential dwellings.

Many have chosen to view the amendments as being prescriptive, but at Samuel Heath, we feel that the situation is far less clear-cut than many would have us believe, with apparent conflicts in requirements and the need to judge each case on its merits. Such is our concern that we have prepared a special document outlining the situation with regard to houses, flats and residential buildings. The document and issues it discusses are beyond the scope of this particular article, but can be viewed on a dedicated product website (www.perko-powermatic.com).

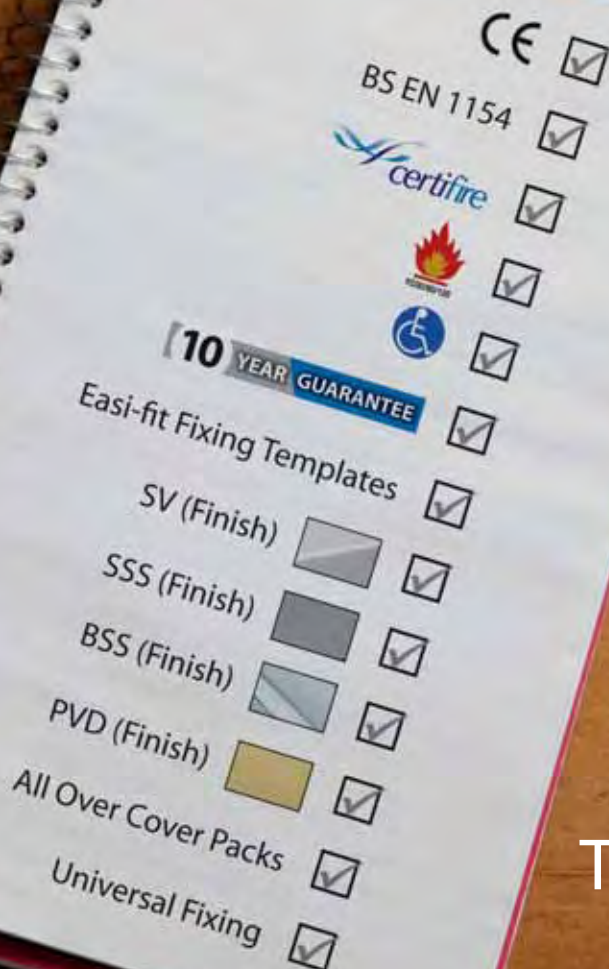
As previously stated, in addition to the various performance standards and regulations, the specifier needs to make a number of value judgements when selecting the most appropriate door closer for the job in hand. At Samuel Heath, we are finding that specifiers are increasingly seeking additional benefits that enhance a project's aesthetics, safety and function. This is where the concealed door closer comes into its own; totally concealed when the door is closed, the closer offers a number of worthwhile benefits in many situations.

From the point of view of aesthetics, the absence of mechanical devices fitted to the exterior of a door enables a designer to retain a clean, unhindered appearance to interiors and can contribute towards creating a less institutionalised and more homely ambience, a key wish in hotels and healthcare establishments.

Concealment also provides some very practical advantages; the lack of visible control arms and boxes ensures there is less opportunity for vandalism, which can have major implications for reliability and maintenance.

In healthcare situations, the concealed closer's design and minimal exposure to the environment ensure that it does not present significant surfaces on which potentially germ-bearing detritus can gather and simplifies cleaning regimes. The closer also offers a useful anti-ligature benefit.

When selecting the right door closer for any situation, the specifier's first task will always be to ensure that the product meets the necessary performance standards. However, once these criteria have been satisfied, the specifier, in conjunction with the architectural ironmonger, needs to apply skill and judgement in interpreting regulations correctly and in considering less rigid criteria, such as safety, convenience, hygiene, reliability, maintenance requirements and other factors that can have a significant influence on the lives of a building's occupants.



TICKS ALL THE BOXES



TOP MARKS in every subject

There are three levels of closers available: The VP Spring range, VP Template range and FP range. With a total of seven models in a wide selection of power sizes.

Fitting is made simple using the easi-fit template which is supplied as standard on all models from the entry range fixed power size 3 through to the size 2-6 unit with backcheck. Included in this range are models suitable for consideration under the recommendations of BS8300 and Document M.

Cover packs in PVD brass, satin stainless steel and polished stainless steel and silver can also be purchased to dress the closers for your more prestigious specifications. The covers and arms are manufactured from stainless steel with the brass model being PVD stainless steel.

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ARCHITECTURAL HARDWARE



FAMILY AFFAIR

Neil's wife, Claire, is also working through the GAI's education programme and is currently sitting pretty as top level one and two student over the last two years. "I have got my wife snapping at my heels and now that I have won the Pinnacle Award, I am encouraging her to make it a family double!" laughs Neil.

The Pinnacle Award, sponsored by ASSA ABLOY, is part of the GAI's ongoing commitment to excellence in education and training in the architectural ironmongery trade. The organisation's education programme is well respected in the construction industry as one of the most thorough and professional qualifications.

And it's an award worth winning with a holiday voucher up for grabs for the student who performs consistently well throughout the three years of the education programme. Neil came second in his Level One course and top in level two. "I heard about the Pinnacle Award and realised I must be in with a chance of winning," says Neil. "It gave me a great incentive to knuckle down and do well." He certainly did that, coming top in the Business elements of the Level Three

course and second in Scheduling. Neil and Claire will be jetting off to the Maldives in June to enjoy the fruits of his hard work.

Neil joined the AI trade five years ago when he went to work for Classic Hardware in Leeds. He was offered the job by Graham Taylor his father-in-law and, despite being unsure of what architectural ironmongery actually was, Neil was impressed by the company and how it was run and decided to take the plunge. "Classic seemed like a good company to work for. That proved to be correct and I stayed for five years, working for Graham."

But if Neil was unsure about the AI trade when he joined Classic, he soon caught the bug. "It is such a unique and specialist trade and it's easy to get completely absorbed in it. I particularly enjoy the scheduling," he comments. After two years in the trade, Neil decided to undertake the GAI's diploma programme, a decision with benefits for both Neil and Classic. "I was approached by Graham to do the Diploma three years ago. We had been very successful in the domestic

market but were keen to handle more commercial projects," says Neil. "Having a Diploma holder is vital if you are going to win big commercial contracts so I decided to go for it."

And he hasn't looked back. Since gaining his Diploma Neil has moved to the Lloyd Worrall Group in the company's Sheffield office. Ironically, despite the

**" I KEEP
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I KNOW SHE
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WELL AND
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PINNACLE
AWARD IN THE
FAMILY! "**



WHEN PINNACLE AWARD WINNER NEIL FURNESS TOOK HIS LEVEL THREE EXAMS LAST SUMMER, HE HAD SOME VERY GOOD INCENTIVES FOR DOING WELL. NOT ONLY DID HE KNOW THAT A GOOD PERFORMANCE COULD MAKE HIM THE WINNER OF THIS PRESTIGIOUS AND LUCRATIVE PRIZE, HE ALSO KNEW THAT HIS WIFE WOULD BE KEEPING A CLOSE EYE ON HIS RESULTS.

move, Neil remains in the Classic family as Lloyd Worrall is owned MacNaughton Blair and Classic by Jackson Building Centres, both part of the Grafton Group.

Neil enjoyed his time studying for his Diploma, particularly the residential courses which he believes were vital to his success. "It can be quite daunting to receive the manual through the post," he says "But the residential courses give you the knowledge – and more importantly – the confidence to succeed." Neil particularly appreciated how the information is put across on the course, pointing students in the right direction for the course work and exams.

Neil believes that gaining his Diploma has given him a new footing in the trade. "It's a brilliant basis for anyone to push forward in their AI career. Having a Diploma is a prerequisite in this industry and very worthwhile having on the CV."

Now that he's qualified, Neil is helping Claire with her studies and encouraging her to go for the Pinnacle Award. "I keep telling her there's no pressure but I know she would just love to do well and keep the Pinnacle Award in the family!"

UNICAN CAN ON FIRE DOORS

KABA's range of Unican push button locks has been included in successful fire tests to BS EN 1634-1, for up to 60 minutes' duration. The company believes that they are the first to obtain across-the-board fire test evidence for push button locks intended for use on UK-type timber fire doors.

Push button locks in fire test

Representative samples of Unican SIMPLEX and EPLEX locks were fitted to two fire doors – one FD30 which was a pair of doors with plain meeting stiles, the other a single leaf FD60 – at the premises of Warringtonfire. In both cases, the locks with their intumescent protection proved to be non-detrimental to the integrity and performance of the fire doors. The evidence generated by these tests has enabled Warringtonfire to issue reports and assessments which cover all the best-selling models in the Unican range.

KABA is now working with leading seals manufacturer Lorient UK, to produce "fire packs" of ready cut intumescent gaskets customised to each lock model. These will enable specifiers and end-users to provide proper protection for the fire doors which will carry the locks. This major investment in testing is part of KABA's ongoing commitment to ensuring that all its products meet relevant standards and regulations, so that all customers can have confidence when specifying or fitting the products on fire doors.

Keith Maer, National Sales Manager of KABA, commented, "Anyone specifying or purchasing door hardware has a legal duty of care to ensure that the products are safe to use on the fire doors to which they will be fitted. KABA now provides this evidence, so that Unican push button locks can be specified and used on timber fire doors, as well as steel doors." Maer adds that sales of the Unican SIMPLEX and EPLEX ranges continue to grow for both new-build and retrofit, as the requirement for access control in buildings increases.

Warringtonfire chosen

KABA chose Warringtonfire for the UK testing, and selected representative samples from the Unican, SIMPLEX and EPLEX ranges, using products which were the most onerous in terms of size of mortice and mass of metal. Success with these products has enabled assessments to be made on those push button lock models which have smaller mortices and/or less metal mass. Until these fire tests were carried out, the company relied on Underwriters' Laboratory fire test evidence, generated in America. This related to steel fire doors, which predominate in the US fire door market.

The tests were conducted using the procedures in BS EN 1634-1. This European standard is more challenging than BS 476-22, as the furnace temperature is raised more quickly and the area of the door experiencing

positive pressure is greater. This tends to show up any weaknesses in the door's edge sealing system, especially where it is interrupted by door hardware such as locks and their strikes. Hot gases can be forced through any small gaps, causing ignition of the non-fire side of the door. This underlines the need for correct

amounts of intumescent protection to be used with door hardware which interrupts edge seals in the door or frame. Wanting to cover as many options as possible, they included a pair of doors with plain meeting stiles – a particularly onerous situation – where the lock and strike have no protection from a frame stop. This configuration has proved possible with the correct intumescent protection behind the lock forend and strike.

If door hardware has shown itself as not diminishing the fire door's integrity under the BS EN 1634-1 regime, it is automatically considered suitable for use on doors which have been tested to the slightly less challenging BS 476-22 regime.

Manufacturer's Declaration

KABA intends to issue a Manufacturer's Declaration to cover the salient points which a specifier or user would need to know, to ensure that the lock and its intumescent protection pack are compatible with the fire door on which they will be fitted. In the UK, virtually every door on or in a fire escape route will be fire rated, which means a high proportion of the total number of doors in most buildings. With the continuing growth in security awareness, whether for child protection in schools and hospitals; the prevention of drug theft in health care facilities; or the guarding of commercially sensitive information; more and more fire doors are being fitted with push button locks.

Increasing access control in a building by the use of push button locks will no longer raise questions about compromised fire safety when Unican SIMPLEX and EPLEX locks are used.



THERE'S LIFE AMONGST THE DONS

IN A WORLD INCREASINGLY DOMINATED BY THE BIG PLAYERS IT'S A TREAT TO VISIT A SUCCESSFUL LOCAL AI. IN AN UNASSUMING CORNER SHOP ON THE OUTSKIRTS OF THE CITY, **OXFORD IRONMONGERY** IS ABOUT TO CELEBRATE ITS 30TH BIRTHDAY.

IT'S A THRIVING BUSINESS THAT SUCCESSFULLY COMBINES TRADE BUSINESS WITH RETAIL SALES. WHILST OWNER **JULIAN NEWMAN** ENTHUSES ABOUT THE BUSINESS WE PAUSE FREQUENTLY AS HE DEALS WITH A RANGE OF WALK-IN CUSTOMERS.





Alistair Sumner
with Julian
Newman (right)

Oxford Ironmongery was created in 1979 by Colin Pilbrow. "Colin was an estimator with local building company Knowles and Son" explains Julian, "He realised that all the ironmongery for their projects was coming from London or Birmingham. Seeing an opportunity, he took the plunge and started the business from scratch." Colin took over the premises from a motor scooter showroom, though Julian recalls the re-fit was a bit on the basic side: "Colin was fantastically knowledgeable, but he'd be the first to admit that marketing wasn't really his thing. The shop had two aisles of dexion shelving packed to the ceiling with product, a fluorescent light and a couple of display easels in the windows - which I don't think changed in all the 20 years he was there!"

Current owner Julian's origins are in the wholesale distribution area. He cut his AI teeth in the '80s and '90s with Henderson Hardware who produced and distributed builder's ironmongery. "Like many, I started out on the road", he explains, "But my manager had the foresight to put me through the GAI training - for which I've been eternally grateful." He honed his

specification skills with Laidlaw in London, working on several huge projects, then had spells with Dorma and Portuguese company Cifal but eventually decided to break away from the company lifestyle. "I was driving back from Manchester one Friday afternoon," he says, "And I thought: this is all very nice, but I'm 46 and this really isn't what I want to do for the rest of my life. I knew Colin and his business and thought I'd try making him an offer. When I eventually plucked up the courage to put it to him he told me he'd put it on the market that week, so we soon had a deal."

Once in place, Julian set about expanding the business into the retail sector. "Oxford is a good area for high-end products which carry a healthy margin. We steer clear of the mass-market products - there's nothing here that you can buy at B&Q." But it was a whole new learning curve: "You wouldn't believe how complicated some ancient sash windows can be."

Julian calculates that he's doubled the business in his 5 years and it now splits about 60% trade, 40% retail. Working with Julian is Alistair Sumner who has recently joined the company from Symm & Co, a prestigious local building company. "Alistair has brought a wealth of experience with him and will be instrumental in



the next stages of the development of the Company", explains Julian. In addition, what he describes as the 'administrative backbone' is provided by his wife Frances.

Business is holding up pretty well with college and high-end residential work being less affected by the general downturn. "We are supplying a good number of luxury manor houses - as far away as South Wales," explains Julian, "We'd like to promote them a bit more but the owners are notoriously publicity shy. We supplied a superb project recently, a £10m house restoration in Gloucestershire. The ironmongery for the front door alone came to £3000." The company has also picked up international business - a retirement home for an Oxford professor in the Caribbean (tragically no site visits) and recently a Health Centre project in Singapore: "They just found us on the internet," says Julian, "Apparently they couldn't source the level of quality they required locally!"

Having more discerning clients also allows Julian to support British craftsmanship. "I'm not anti-global, I just think that if we don't support the UK industry it will disappear and then we'll have even less choice." He says. He estimates that 80% of his sales are UK products with the remainder coming from Europe.

The company still has strong links with the Oxford Colleges which provide a key business link. "The Colleges are important to us," says Julian, "We have someone in most days for bits and pieces for general repair and maintenance. We used to get frustrated because they would still go to London Als for their major projects, but as our reputation has grown, we've increased the scale of the orders we pick up. Last year we supplied the ironmongery for a £3m project at Radley College."

Looking to the future Oxford Ironmongery have no major expansion plans, but their growing reputation for expertise with historic buildings gives them a strong position in the restoration and maintenance sectors, whilst the trade background allows them to pick up increasing large specification projects. "We are planning a 30th Birthday party for our key customers," says Julian, "But apart from that I'm just happy to keep on doing what we're doing". A healthy sentiment as we pick our way out of the wreckage caused by the over-ambition of certain others.

GAUGING REACTIONS

How to select and use force gauges for measuring door opening and closing forces is one of the most commonly asked questions on the GAI's Technical Hotline. Here the Guild's Technical Consultant, Jacky Sinclair, addresses the issue.

It is impossible to measure a door's opening force before it is installed because so many in-situ factors can affect the results: hinge performance, latch resistance, seal positioning and internal air conditioning or external wind pressure effects will all have a contributing effect to the actual force measured.

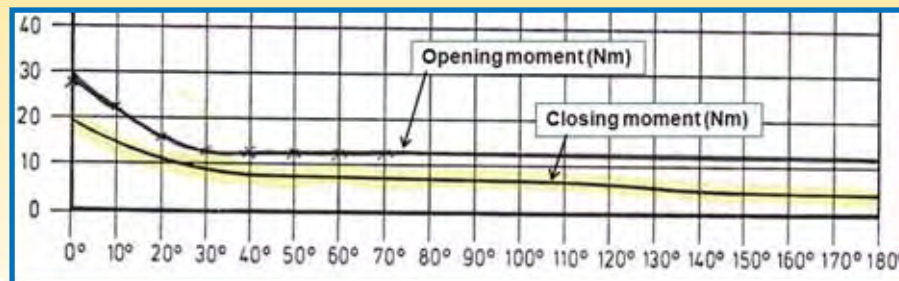
ADM addresses this issue:

"The difficulty to measure the closer force also tends to lead to

differing results of the actual force and the force measured, a spring balance force gauge usually only has a tolerance of $\pm 3\text{N}$, also it can be difficult to measure from the leading edge of the door. Measuring only 70mm from the opening edge and taking into account the measuring tolerances the allowable maximum edge force of 30 Newtons could increase from to a measured force of 36 Newtons."

Just to confirm that ADM (FAQs) and the latest BS 8300 request no more than 30 N opening resistance from zero to 30 degrees, and no more than 22.5 N from thereon to 60 degrees.

BS 8300 says "For disabled people to have independent access through single or double swing doors, the opening force,



// One of the reasons the questions is that, in my opinion, manufacturers aren't able to do this in the AI trade because they are not used to applications rather than

Being absolutely certain of the design, materials, components, assembly and product reliability remains an ongoing challenge for specifiers; and any uncertainty, putting you and your company's reputation on the line in terms of quality and longevity a potential risk.

HI-LOAD hinges from Royde & Tucker are unique in their construction and performance and are designed for longevity and as a 'fit-and-forget' solution and are maintenance free. In addition HI-LOAD's construction creates exceptionally low resistance to door opening/closing and importantly, ensures this high level of performance throughout the hinge's lifetime, allowing door closer power to be kept to a minimum and contributing to a highly efficient doorset. HI-LOAD hinges have a 25 year performance guarantee as standard and where appropriate are Certifire approved, CE marked and conform to BS EN 1935.

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when measured at the leading edge of the door, should be not more than 30N from 0° (the door in the closed position) to 30° open, and not more than 22.5N from 30° to 60° of the opening cycle.

The DHF/GAI Code of Practice: Hardware for Fire and Escape Doors deals with the conflict between enough force to close and hold a fire door, and easy opening.

The relevant information can be found at www.firecode.org.uk/page90.html.

One of the reasons that so many AIs ask these questions is that, in my experience, force gauge manufacturers aren't able to give relevant advice to the AI trade because they are used to dealing with industrial applications rather than our much smaller scale needs. BS EN 1154 talks about a force gauge with an accuracy of 1.5% or better. But it's worth remembering that adjusting measured results by as much as 1.5% may bring the door assembly into line with requirements – or indeed take

it outside the required parameters.

Some models come with a variety of ranges, so you need to choose the range of measurement which suits. Bear in mind that the one you select should have a capacity of around 10 N – 60 N for measuring door closing/opening forces. You won't need to measure less than 10 N, and higher than 50 N is probably getting into Geoff Capes territory!

The digital ones usually give the option of maximum and minimum force measured over a given distance, which can be useful. With the analogue types, you're relying on a quick eye and memory. A resolution of 0.1 N is as fine as you'll need. Any finer is not an advantage when measuring door forces. On the other hand, a resolution of 2 N is not fine enough to do justice to the job.

The list isn't exhaustive, but it's a useful place to start. Be aware that some ranges are priced in dollars or euros, but most manufacturers have a UK distributor listed on their site:

<http://metrologyinternational.talkware.co.uk/blog/ForceandTorquegauginginstruments> *The DPS is a popular model.*

<http://www.accumax.ltd.uk/dfg.html>

<http://www.sauter.co.uk/>

http://www.checkline-europe.com/digital_force_gauges11/

that so many AIs ask these questions is that, in my experience, force gauge manufacturers aren't able to give relevant advice to the AI trade because they are used to dealing with industrial applications rather than our much smaller scale needs. //

perform, outsell and most definitely, outlast.

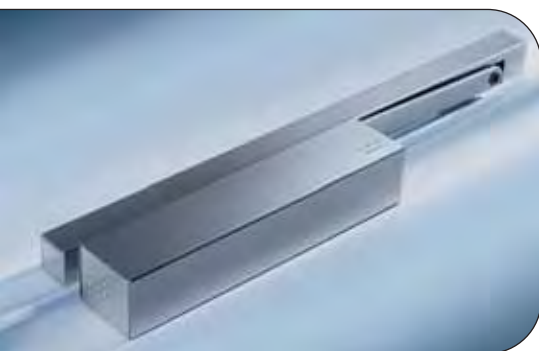


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TORQUE-ING POINT



Specifying and supplying door closers is now more complicated than it used to be, due to the revised requirement for minimal opening forces for doors under the most recent Approved Document M and the changes incorporated in BS8300: 2009. [Graham Hulland](#), DORMA's Door Controls Product Marketing Manager, takes an in-depth look at the impact on the specification of door closers.

UK law requires all public buildings to be accessible to those with disabilities, and this is a vital consideration in the design of new buildings and in planning improvements to existing buildings. Specifying and supplying door closers is an important part of this process. Meeting Building Regulations is now more complicated than it used to be due to the revised requirement for minimal opening forces for doors under the most recent Approved Document M and the changes incorporated in BS8300: 2009.

Construction Products Regulations compliance can be demonstrated with a CE Certificate, and a Third Party Fire Test Certification (such as Certifire), will satisfy Approved Document B. However, a stand alone manual door closer cannot be certificated to be 'compliant' with ADM or BS8300 requirements – as these require that the complete doorset must be compliant in respect of its opening force.

Unless the unit is Hold Open, Free Swing or Automated, there is no way of stating compliance; and it is therefore critical that information concerning a door closer's performance is made available to anyone wishing to supply or specify the product where the doorset in question must comply with ADM or BS8300.

The performance of a door closer can be expressed in three main ways. However, as I will demonstrate, there is only one method that will give you the complete picture. Firstly we will look at efficiency. Efficiency is expressed by describing the closing force as a percentage of the opening force; and to enable accurate evaluation by the specifier, one of those forces must be stated. It is a

feature of a door closer's efficiency that it will increase if it is operated at a higher power size, as all the working parts within a closer will use the same energy whether the spring is at its lowest or highest power. If this figure is then used to calculate a closers suitability at a lower size, it may result in excessive opening forces being experienced.

If the door closer application is on a fire door, it is critical that any figure calculated is at size EN3 or above – the minimum for door closers fitted to fire doors as detailed in BS EN1154 – the harmonised standard for controlled door closing devices.

Efficiency figures alone may also conceal a door closers performance in respect of its complete opening cycle. Under BS EN1154, the efficiency of a door closer is read between 0° and 4° of opening/closing. Any reputable door closer will have been tested to this standard to achieve a CE Mark and the efficiency figures from these test results will be available.

The figures however will not detail any efficiency differences throughout the closing cycle and will assume that the forces remain consistent, or automatically reduce, on operation of the door. For example the combination of a rack and pinion door closer mechanism with a slide arm and channel (a design solution very popular in schools) generally results in an increasing opening force, or a consistent opening force throughout the opening cycle. Neither of these performances are acceptable when a doorset is required to achieve ADM or BS8300 compliance, as the opening force must reduce from a maximum of 30N between 0° and 30°, down to

a maximum of 22.5N between 30° and 60°.

The second means of expressing a door closers compliance, is by stating the minimum width of door to which a door closer will exert 30N when operated. This should be done by detailing the power size of the door closer to ensure compliance with EN1154 when applying this to a fire door – and ensuring it is a minimum of size EN3.

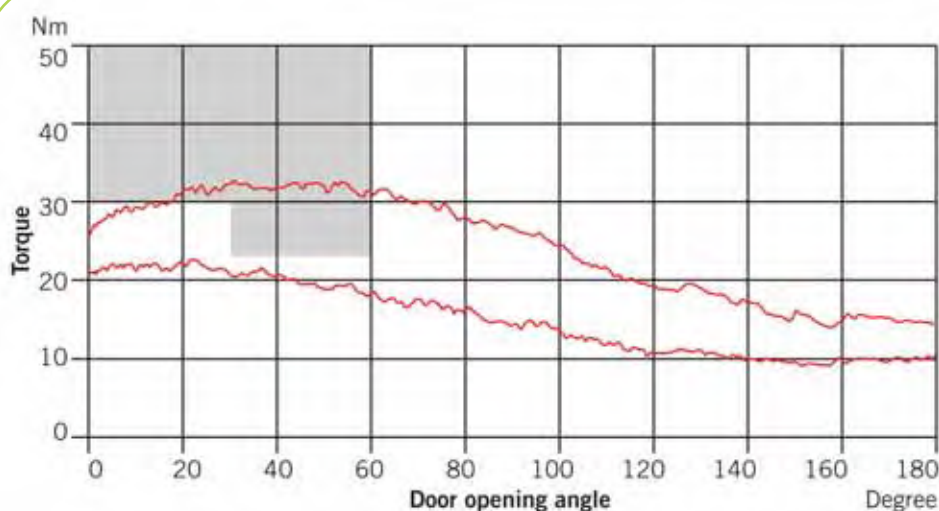
This figure can be taken from the efficiency figures, but it should be stressed that again this might not deal with the entire opening cycle, it may just be the initial opening force between 0° and 4°. Although very informative, it may not reveal all that is required, making calculations a little more difficult in determining the exact opening force on a given door width.

Finally, the preferred criteria for measuring door closer performance is a combination of efficiency and minimum door width, accompanied by Third Party Torque Curve Certification that details the door closers performance throughout its opening cycle.

A torque curve shows the opening and closing forces throughout the opening and closing cycle, enabling all necessary valuations and calculations to be made.

These include:

- Ensuring performance is at EN3 (minimum for fire doors)
- Opening force in Nm from initial opening through and beyond 60° of opening
- Efficiency at any point of the opening/closing cycle
- Minimum door width to which the closer can be applied where opening force is



Controlled door closing device EN 1154

EN3 eccentric pinion door closer



30N or less

● Tolerances which door closer will allow for other fitted items, such as door seals and hinges, and site conditions.

From the torque curve the following can be calculated:

● Minimum of EN3 closing force by ensuring the closing curve is at 18Nm or above between 0 and 4 degrees.

Opening force curve can be read throughout the opening cycle. This figure is in Newton Metres and can be converted to Newtons by dividing it by the intended door width in terms of metres. (Note – ADM BS8300 applies from 0° to 60° of opening). In this case, for a 926mm door, $22 \div 0.926 = 23.75\text{N}$.

Efficiency can be calculated by dividing the closing force by the opening force at any give point. In this example at 0 degrees efficiency is 81.81%, (calculated as $18 \div 22$), and 76.92% at 50 degrees, ($10 \div 13$).

The highest point of opening force on the opening cycle between 0° to 30° can be divided by 30 to provide the minimum door width in metres where the door closer will produce an opening force of 30N or less. This can be repeated for the 30° to 60° opening section and divided by 22.5. The larger of these two widths should then provide the minimum door width to which the closer can be applied.

The highest opening force in Newtons of the door closer on a given door size can be deducted from 30N allowing calculation of any tolerance.

When presented with all the information that torque curves provide, it is possible for specifiers, or suppliers, to accurately calculate door closer performance and check the result against the performance required for compliance with ADM or BS8300.

Characteristics of a rack and pinion door closer mechanism with a slide arm and channel (eccentric pinion) door closer

The graph demonstrates the characteristics of a typical eccentric pinion door closer, where although 76.5% efficient, it can be seen that the efficiency beyond the first 4° of opening / closing decreases. Therefore, trying to calculate suitability for ADM or BS8300 from a declared efficiency alone is not possible. In addition, it is evident that the opening force actually increases through the opening cycle, because although the initial opening force is measured below 30Nm between 0 - 4 degrees, it increases immediately, reaching 34Nm between 30° and 60° of opening. This high figure makes compliance with the maximum opening force of 22.5N between 30 and 60 degrees impossible. It also exceeds 30Nm between 0° and 30°, where a maximum opening force for the whole doorset of 30N is required.

Please send correspondence to:

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Dear Madam

We are somewhat confused with the technical article in the AIJ 132 Winter 2008/09 issue, in particular the comment relating to BS8300:2009 and the positioning of pull handles.

It would appear that the detail re height is confusing as four dimensions are shown and no clarification is given as to which are for the top bolt positions and which are the bottom or at least not clearly so.

Can you please advise further on this point.

Regards

David Stockton Dip G.A.I

Ray Anning of Leaderflush Shapland, who wrote the original article, responds:

I believe the confusion here is caused by Figure 14 in BS8300:2009. It is actually spread over two pages, with the key to the diagram on page 42, found at the bottom of the diagram on page 43. It is important to refer specifically to Note 2 which clarifies the philosophy for pull handles:

- Dimension 5 Height of lever furniture, 800mm to 1050mm (900mm preferred)
- Dimension 6 Bottom end of pull handle, no lower than 700mm and no higher than 1000mm above the floor
- Dimension 7 Top end of pull handle, no lower than 1300mm above floor

Dear Madam

It is disappointing to see that advertisements are still appearing in the trade press placed by manufacturers and GAI members who are claiming their products are any of the following:

"DDA Compliant!"

"Fully comply with the DDA"

"Opening forces comply with Approved Document M"

"Complies with the requirements of BS8300"

"BS8300 tested by APT Warrington"

Others are simply carrying the disabled logo with the hope the reader will infer the product is "DDA Compliant".

The GAI remains clear that NONE of these statements are factually or technically correct and that they should not be made. It is the complete door set and the associated hardware (locks, seals, hinges, door closer etc.) that MAY comply with the requirements of BS8300 and the guidelines contained within the Approved Document M and NOT any single element of hardware.

It is also NOT possible to say the same door set and associated hardware which conforms in one location will also conform in another location of the same building or on another site because local conditions such as differential air pressures may be different, for example, changing the opening forces.

The GAI recommends the use of the following statement:

"These (products) can meet the opening force recommendations of BS8300 and Approved Document M. However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ."

Andrew Hall, President, GAI

GRAND



DESIGNS



A NASH-DESIGNED VILLA IN REGENT'S PARK THAT WAS ONCE HOME TO A RUSSIAN PRINCE AND NAPOLEON'S OLDER BROTHER, IS BEING RENOVATED, REBUILT AND EXTENDED IN THE GRAND STYLE. AND IN KEEPING WITH THE BUILDING'S IMPRESSIVE SCALE AND PEDIGREE, THE ARCHITECTURAL IRONMONGERY IS BOTH UNIQUE AND CHALLENGING. HELEN CURRY VISITED THE PROPERTY WITH AI DAVID WARD OF FRANCHI INTERNATIONAL.

Entering the massive front doors of this beautiful Regency property it is immediately clear that care and attention is being lavished on every single aspect of the building.

Whether it is the renovation of the Grade I listed 19th century building or the integration of brand new parts of the property into the whole, no expense is being spared and nothing is too much trouble.

The elegant villa, in its own grounds, is one of 14 designed for the park by John Nash. Completed in 1825, it is owned by the Crown Estate, which manages inherited property for the monarch. Located in a royal park on two acres of land, the house has been leased by an international businessman.

In the past it was home to Joseph Bonaparte and to Alice Astor and her husband, Prince Serge Obolensky. The couple later separated and the princess sold the villa in 1946 to Bedford College, London University, when she married her fourth husband. The house was used as student halls and as a result requires substantial restoration to its five bedrooms, four bathrooms and four reception rooms. The most recent tenant was the French Ambassador.

Visiting the site as it nears the end of its second phase, the most striking impression is the craftsmen – and women – everywhere. Applying gold leaf to the ornate plasterwork, hand crafting an intricate ceiling design, installing acres of marble in the eight bathrooms. Hearing Site Manager Alastair Hill, for main contractor Walter Lilley, clearly enjoy working on this project it is no surprise that this enthusiasm permeates through the whole team and that the doors have received an equal amount of care and attention.

"There are two main types of door in

24



GRAND DESIGNS

23 this property," he explains. "Most – over one hundred in total – are painted softwood doors but in the more formal parts of the house there are sixty-four polished mahogany doors and it is here we have spent most time and effort working with Franchis to get the ironmongery just right."

In the listed parts of the house, enormous efforts have been made to restore the detailing to its original glory. The hardware has been bespoke manufactured to match the owner's other properties around the world to give him an "at home" feeling. And nowhere has more effort been expended than on the hinges.

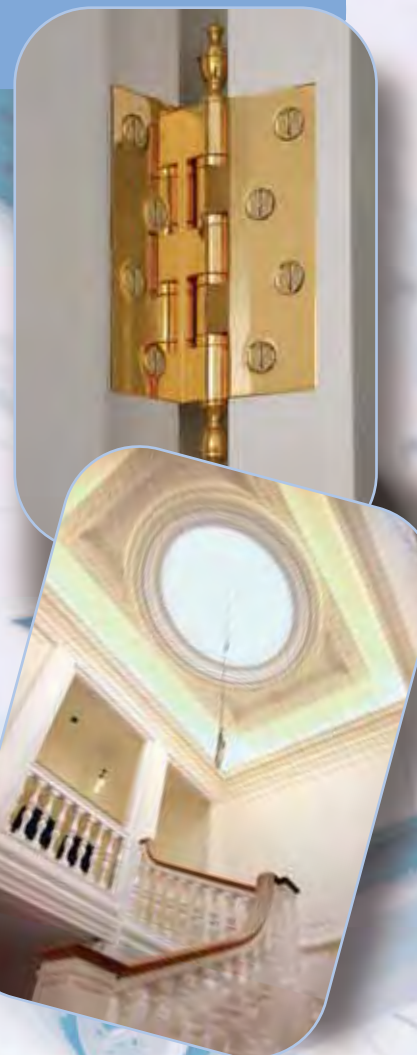
Franchis called in specialist SIMONSWERK to help them meet the incredibly tight brief, starting initially with only a photograph of the original hinges. Robin Guy, SIMONSWERK's MD enjoyed the challenge. "From a pretty poor photograph, we produced our original drawings, guessing at the dimensions. The architects, Quinlan & Francis Terry, then checked our drawings against the original hinges," he comments.

From there Simonswerk obtained special brass extrusions to make the hinges with unique urn-shaped finials going through several redesigns before finally being accepted. The hinges were then gold-plated two microns thick.

"Everything on these hinges was bespoke," Robin remembers. "We produced three samples before our design was signed off." In total 167 pairs of the hinges were produced plus over ninety slightly smaller versions. The ornate handles were made by French company Schmidt which specialises in heritage and reproduction fittings and fixtures.

The doors themselves have also been made with similar levels of care and craft. Heritage plaster crafts contractors George Jackson have applied the carved designs on the doors by a technique using "composition" – mouldings made from linseed oil, whiting, animal glue and pine resin – a traditional method dating back 300 years to Robert Adams's times.

Security is clearly going to be an important issue on this kind of property and Franchi designed the master key system in close conjunction with Walter Lilley. The suiting was done floor by floor using Union locks. "We have worked with Walter Lilley on a number of historic refit projects," comments David Ward of Franchi. "And although much of the ironmongery on this project was fairly straightforward, it is the special, bespoke items which have made the job so interesting and enjoyable."



aijconstruction products association

PRIVATE SECTOR INVESTMENT KEY TO DELIVERING HEAT AND ENERGY SAVING STRATEGY



The Construction Products Association has welcomed the launch of the government's Heat and Energy Saving Strategy consultation, but is warning that unless there are clear mechanisms for delivering the targets that are being proposed, manufacturers and suppliers may not have the confidence to make the scale of investment needed.

Speaking after the launch, Michael Ankers, Chief Executive of the Construction Products Association said; 'This kind of ambitious long term programme is what the Association has been pressing the government to commit to for some time, and we are particularly encouraged that they have made clear that it can only be delivered in partnership with industry.'

'For this partnership to succeed, however, industry needs confidence that governments over the next decades will continue to make the necessary finance available and maintain the right kind of delivery mechanisms irrespective of party politics to ensure that these targets are met. In the past too many government programmes affecting our industry have set out with ambitious targets, but failed on the delivery. The refurbishment of 7 million homes to the standard expected by 2020, and all buildings by 2030, requires substantial public and private sector investment, and companies need to be confident that the programme can be delivered before embarking on such a commitment.'

'As Ministers have made clear, this is a 'revolution' of enormous scale and we estimate it is likely to cost between £300 and £500 billion. But there is no alternative if we are to deliver the 80% reduction in carbon emissions for the UK by 2050.'

OFF THE TROLLEY

Anybody who has put a pound or Euro in the lock on a supermarket trolley has had dealings with Ronis-DOM, since the company has supplied more than 2 million of them world-wide. But when Helen Curry visited their West Midlands UK head quarters, she found out that there was more to Ronis-DOM than the trolley and cam locks they're known for. High quality locks which secure buildings and their contents are now all available from this company that has plenty to offer the AI.

While the name Ronis-DOM might not be that well known in the AI sector – yet – the firm is built on strong brands in Europe with long pedigrees. Ronis is a French company, started as far back as 1915, and is well known across Europe as the company which created the cam locks industry in France. It produces a very wide range of products including locking solutions for lockers, cabinets and the ubiquitous trolleys. RONIS UK, the British subsidiary, was started just over twenty years ago to service the UK market and quickly became known for its window handle locks.

In 1990 the company was bought by French Group Securidev, an entrepreneurial group which has a portfolio of twelve brands, mainly in the security sector. In 2005 the group acquired DOM, a 75-year old, Cologne-based company which specialised in cylinders for high security applications in the building industry. This acquisition was a major coup for the Securidev group – taking its turnover from €100million to over €160million. But as well as turnover, the addition of DOM to the group gave it a broader remit – one which Ronis-DOM MD in the UK, Frenchman Jerome Denis describes as “a range of locks to protect buildings and the objects in them.” The DOM brand has a strong heritage of R&D investment and with a customer list which includes the likes of Rolls Royce and Glaxo Smithkline, it is easy to see where DOM cylinders fit into the quality spectrum. The company deals very much with the top end of the construction industry including lots of projects in schools and hospitals. This is based on the quality of the DOM product range which is engineered for high security and specification work.

Originally in Willenhall, then moving to Wolverhampton, the company has now found a home in Oldbury in the West Midlands, in the shadow of the M5. In the UK the initially separate RONIS and DOM operations quickly merged into RONIS-DOM for practical and economic reasons – especially those of production. “In the UK it is still very important to customers to deal with a company in the UK and our new building has given us the capacity to significantly increase our in house production and to extend our growth on the UK market” Jerome comments.

He believes that Ronis-DOM now have plenty to offer the AI – especially smaller companies for whom they offer a variety of services and products. “AIs can get more mileage out of any project by thinking outside the box and selling on suited cam locks which can be suited alongside a building's master key system,” he speculates.

One recent product launch which RONIS-DOM believes holds big potential for the AI is the RS Sigma (and the customer profile DOM Sigma Plus), the successor of the best-selling RS 5. Priced competitively, the RS Sigma offers increased locking authorisations, more revision

pins and a higher security classification than its predecessors. The new cylinders' DOM branded profile is trade-mark protected, offering an unlimited copy-proof safeguard – vital for AIs working on a variety of commercial and public sector projects.

RS Sigma is suitable for all types of master key systems (central lock/central systems, master key/general master key systems) and can be own-branded if necessary. For AIs it means low capital commitment and low warehousing because it can be manufactured in-house or assembled by DOM.

The first UK project using the new Sigma system was in partnership with John Monaghan which recently supplied Sigma six-pin cylinders to Brightmet Health Centre, an £11m state-of-the-art facility providing services for the people of Bolton. It is the first and largest of a number of health centres to be built in the area and is the flagship development in Bolton PCT's programme to improve health and reduce inequalities across the town.

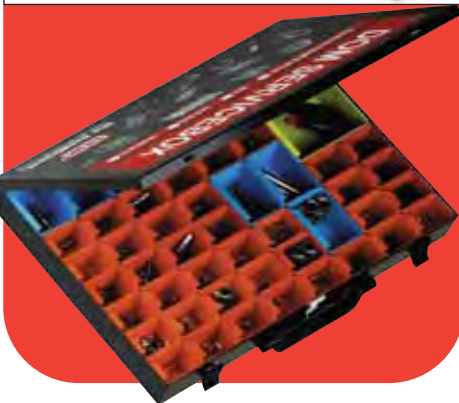
“The client's lock suiting requirements involved an extensive number of master and sub master groups and John Monaghan used Sigma 6 pin cylinders supplied under a restricted DOM dealer profile because it simply offered the most flexible solution. The Sigma six-pin cylinders, with their lifetime trademark protection, not only offered the long term security benefits but also the possibility of managing all cylinder and key replacements in-house,” said John Monaghan's spokesperson.

Another Ronis-DOM offering which has proved popular with AIs is the DOM modular range. The company provides its AI customers with everything required to supply a variety of non-standard cylinder lengths and split finishes quickly and easily. A unique restricted key section with the option of individual key stamping on request, as well as the DOM assembly box and starter kit gives AIs everything they need to build cylinders in house. This facility is perfect for small projects, replacements, and specials. “This innovation gives AIs the capacity to build small quantities of cylinders quickly,” comments Jerome.

The starter pack contains a small number of each component to build different size cylinders allowing AIs to produce to order, overnight. A special connecting bar is what gives this versatility, but also offers greater anti-snapping and –pull resistance. This modular system also allows Ronis-DOM the same flexibility. For its Sigma locks the company keeps 60mm and 70mm cylinders in stock at all times but can build products of any other size using this modular system.

The company plans to continue building products and services for the AI sector with the launch of a number of electronic access control products in the pipeline from simple one-door products to complex systems for large buildings. And Ronis-DOM has certainly worked hard to get its service offering up to scratch for the demanding UK market. “Now we can turn around replacement keys in very quick time. In fact key orders placed before 11am are dispatched the same day – for smaller orders.”

“In the next 12 months we will be moving forward with lots of new products for AI,” concludes Jerome. “It's taken us two years to get everything sorted for the UK market, but now we are ready, watch this space.”



aijcoventry

HEALTH CHECK

Briton architectural hardware, including door closers, exit devices, locks and anti-ligature products from Ingersoll Rand Security Technologies, has been specified for the new Walsgrave Hospital in Coventry. In addition, a Dor-O-Matic automatic sliding door package has been used in the new Clinical Sciences Building.

The Briton brand fittings complement each other providing uniformity and continuity on individual doors and throughout the building. The anti-ligature range of hardware is designed for areas where there is a risk of self-harm; it helps eliminate the possibility of attaching a cord tie or belt around the door furniture.

The Dor-O-Matic full slide package has automatic opening sensors and an effective opening of 1000mm. It is a particularly popular solution where access is required for heavy pedestrian traffic, including children in pushchairs, disabled people and wheelchair users. Safety features include motion detectors, threshold safety beams, threshold sensors, electric locking, panic breakout, monitored battery pack, manual operation and 'Pharmacy' security functions.



aijmanchester

HOSPITAL CASE

Dryad Architectural Ironmongery has been chosen to specify, schedule and supply architectural ironmongery to be used throughout a new £500m hospital development in Manchester.

The specialist ironmongery business, part of the Wolseley group, provided various products including door handles, closers, hinges, magnetic locks and a comprehensive master keying system throughout the healthcare complex, which is one of the largest new hospitals in Europe.

Due to open in summer 2009, the Oxford Road site, owned by the Central Manchester University Hospitals NHS Foundation Trust with their partners Catalyst Health Care (Manchester) Ltd will include a purpose-built children's hospital, along with a dedicated women's hospital, adult hospital and eye hospital.

Dryad's John Royle said: "We worked closely with our client Bovis Lend Lease in the product specification for this development. The architectural ironmongery had to meet the varying needs of the different groups of patients who will be using the hospital and comply with relevant legislation, for example BS8300 and Approved Document M, both of which relate to the Disability Discrimination Act, and Building Regulations."

Mark Buckle, Bovis Lend Lease projects director, added: "Ironmongery specifications for hospitals can be challenging due to the stringent legislation in place and the vulnerability of some of the patient groups using the facilities."



aijlondon

ACTION STATION

London's new St Pancras International station – home of the Eurostar – has been fitted with Martin Roberts steel doorsets from Ingersoll Rand Security Technologies.

Over 400 fire and acoustic doorsets with bespoke vision panels, integrated access control and clean-lined hardware have been installed as part of the refurbishment at both passenger level and throughout back of house areas. Martin Roberts performance doorsets were chosen for their ability to meet the demanding criteria of the transportation sector set by high volumes of traffic and likely abuse.

Successfully tested to one million cycles in accordance with European Standard BS EN 1191, their benefits include increased durability and reduced maintenance, coupled with better fire, acoustic and security performance and enhanced life-cycle.

The installation was overseen by Ingersoll Rand to ensure accuracy and continuity of installation throughout the process. This dedicated service meant that they were on hand to provide on going guidance and help in ensuring design approval from the consortium of different parties involved in the scheme. These included everyone from the individual rail companies to English Heritage who helped oversee the development of the Grade I listed building.



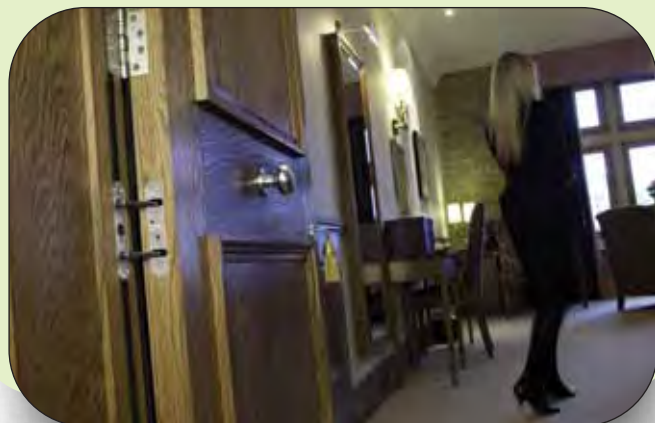
aijwest sussex

VICTORIAN VALUES

A major redevelopment project at the exclusive South Lodge Hotel in West Sussex has exploited the performance and aesthetic benefits attainable with Samuel Heath's Perko Powermatic controlled, concealed door closer to full effect.

The £7.5million project involved the construction of a new four-storey wing to the hotel, a former Victorian gentleman's residence, providing additional luxury accommodation together with conference, banqueting and meeting facilities.

Interior designer, Marilyn Cooper stipulated Perko Powermatic door closers to ensure that her vision remained intact. She explains, "We did not want to spoil the appearance and ambience of the rooms by encumbering the doors with mechanical devices that would look out of place. Perko Powermatic offered the perfect solution."



TECTUS

 SIMONSWERK

completely concealed hinge system

TECTUS is ideal for flush timber doors with steel, aluminium or timber frames and the perfect hinge for the creation of high-quality interior space design in both residential and heavy duty functional door sectors.

- Load capacities up to 200kg & opening angle of 180°
- Maintenance-free slide bearings and left & right hand adjustability
- New solid stainless steel version - 1 hour fire rated and CE marked.



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New website launched:
www.simonswerk.co.uk

aijgloucestershire

DREAM HOME

DORMA has supplied 40 of its TS 93 door closers to a futuristic dream home: Swinhay House in Gloucestershire. The 60-acre private estate features a futuristic mix of angular, high-tech insulated metal roofing, curving bonded glass and lawned mounds that sweep up towards a series of circular stone walls.

The house is designed with 11 levels, including self-contained apartments and the DORMA TS93 cam action door closer is fitted throughout as a control system on all internal aluminium fire doors and external aluminium doors. A specific design requirement that DORMA had to take in to account was for every door to open outwards, enhancing the feeling of spaciousness captured in the overall architectural design of the building. All the TS93 units are finished in a special bronze colour to complement the aluminium doors.

The Architectural Ironmongers at Swinhay House were Westland Architectural, who became involved at the initial specification stage of the process. Chris Tilling, Partner at Westland comments: "We have worked closely with DORMA before and knew there was no question about their capability. What was particularly important was that the door closers used at Swinhay met the requirement for an effective back check on all the doors. The location of the property is prone to high winds and there are situations where the doors might be caught by this. We knew that the TS93 would cope perfectly well in this environment".

Unlike conventional rack and pinion closers the TS93 cam-action closer has a unique linear drive mechanism and heart shaped cam which means that opening forces well below 30N can be achieved when adjusted to size EN3, the power requirement for fire doors.



aijdurham

DOWN TOWN



To complement the traditional oak framed swing doors at Durham Town Hall, GEZE UK has installed two EMD-F door drives at the entrance, providing virtually silent automated access. An electro-mechanical drive and part of GEZE UK's Slimdrive range, they have been fitted with 7cm high operator covers in brass, to suit the historic surroundings.

Within the Town Hall, the gothic stone archways made it impossible to install standard door drives, so GEZE UK chose its automatic under-floor operator, the TSA 160 UFO, with brass floor cover plates, to ensure invisible, durable, and quiet access which allows for DDA compliance in accordance with BS8300.

Durham City Project Manager Ian McGrath said: "With a listed building like this, good aesthetics, compact structure, quiet actuation and unobtrusive installation were essential elements of the specification and while their pricing was competitive, what clinched it was that GEZE offered the only complete solution to our needs."

aijmiddlesborough

LOCK DOWN

Following the selection of Kaye Class 1 cell locks for use in the new Cleveland Police headquarters for the Middlesbrough and Redcar & Cleveland Police Districts of Cleveland Police last year, Pickersgill-Kaye Ltd has announced that it has also secured the ongoing maintenance contract for the locks. Under the agreement with Reliance Secure Task Management, the PFI manager of the Middlesbrough project, the Leeds-based engineering company will carry out an ongoing programme of preventative maintenance on the locks to reduce any risk of emergency call outs and ensure the locks work perfectly every time.

The Kaye Class 1 cell lock is designed to prevent self harm and has anti-ligature features. It has been tested to the highest possible standard and forms part of a comprehensive range of high security products from Pickersgill-Kaye, a company which is fast becoming recognised as the UK leader in the design and manufacture of custodial locking solutions.



At the GAI's Specification Awards, a number of AI's entered hospital projects into the competition as examples of the quality and excellence of their scheduling and design capabilities. But every year, those same AIs are missing out on valuable hospital business by failing to realise the potential myriad access control opportunities that hospitals offer. They do not see past the hospital's fire, security and DDA requirements to see the thousands of other access control opportunities for keyless lock installation which a hospital offers. There is life inside the perimeter security!

Just a cursory glance around a hospital provides dozens of ideas as to where keyless locks might be fitted:

- Drug stores and pharmacies
- Patient lockers ● Equipment stores ● Offices ● Staff lockers
- IT facilities ● Plant rooms

Protecting data and possessions is more pertinent than ever in this age of increased security concerns and enhanced data protection and this scenario will only increase given the ever growing threat of violence, vandalism and theft in our hospitals

And the advantages of keyless locks in healthcare applications are obvious. They remove the headache of lost keys, the difficulties of safekeeping of patients' personal possessions, the security of drugs. And they make the facilities team with hundreds of different keys, a thing of the past. They offer hospitals a simple and effective way to safeguard valuables, dangerous substances and equipment and to control access.

All this without having to manage dozens of keys with all the hassle, time and cost implications which that entails. The beauty of keyless locks, like the Codelocks CL1000, lies in the fact that the user controls the lock, removing the responsibility from managers who no longer have to waste time replacing keys and opening lockers.

With all these potential applications, it is amazing how many AIs walk away from hospital projects without considering the profit potential which simple access control solutions can offer. In fact, we often say that if we fit one of our keyless locks into a hospital setting, we usually simply go back to the office and wait for the phone to ring – once people see how simply yet effectively they work, they all want one! We urge AIs to keep the lines of communication open

A HEALTHY PROFIT



AIS COULD WELL BE LOSING OUT ON VALUABLE BUSINESS IN HOSPITAL NEW BUILD AND REFURBISHMENT SCHEMES BY NOT SEEING THE BIGGER ACCESS CONTROL PICTURE, SAYS CODELOCKS, THE KEYLESS LOCKS SPECIALISTS.

with facilities and estates teams, even once the initial project is completed, because extra opportunities will arise.

This kind of rolling programme of lock replacement was well illustrated at the John Radcliffe Hospital in Oxford. The hospital is spread out over a number of buildings of various ages and states of repair, giving the Estates and Facilities team a real headache trying to keep on top of all the access control issues that this busy environment presents. Neil Hemmings, the Estates Building Supervisor at John Radcliffe was quick to recognise the advantages that a keyless lock system could offer him.

"We were initially looking for an electronic digital lock to replace a number of existing mechanical locks," he com-

" ...AIs are missing out on valuable hospital business by failing to realise the potential myriad access control opportunities that hospitals offer. "

ments. "We needed to solve a number of issues that these legacy locks presented us with. Neil's team has responsibility for maintaining access across this huge, 800-bed, multiple building complex with over 9000 members of staff – a huge and byzantine undertaking.

"We specifically wanted a lock that would provide quick code change via the key pad and offer a key override facility," Neil comments. "It had to be able to cope with high traffic levels and most importantly, we needed a lock that was easier and quicker to fit and required less maintenance once fitted." Armed with all these requirements, Neil spoke to an external contractor who recommended the Codelocks CL4000 range.

And the system has worked brilliantly. "With the need for keys eliminated, the Codelocks electronic locks are much more time efficient in terms of maintenance being easy to fit and providing simple keypad recoding. We've also found that the key override feature for management functions and emergencies has made a real difference."

Our message to AIs, especially in these cash-strapped times, is to keep an eye open for extra opportunities which access control products offer on hospital projects. But don't stop there. These principles can equally be applied to schools, offices, care homes, retail outlets and leisure facilities. And if an AI wants extra help in spotting these opportunities, we offer joint site visits and training for AIs.

THE WORLD OF ALDRIDGE



With over 14,000 products in stock covering 200 brands, wholesaler Aldridge Security Ltd are a big player in the Security Industry with over 60 years experience. Last year they took over 100,000 sales calls and dispatched over 200,000 packages and are by far Yale, Chubb and Union's biggest UK customer. Big, certainly but, as the saying goes, size isn't everything and with Aldridge it's the investments in customer service and support which really impresses. Most recent among these is the new online ordering system, which, since going live last September, has already clocked up over £1.5 million worth of orders.

Managing Director Alan Hawkins has run the business successfully since 1989 and, to ensure the company remained a family run independent business supplying and supporting its independent customer base, he secured the company's long-term future by becoming the majority shareholder in January 2006. Alan says Aldridge will continue to invest heavily in product and the latest cutting edge technology with the sole aim of providing total customer satisfaction as the leading one shop security wholesaler.

TRAINING

Today the company has around 150 staff split between London and Manchester who service Aldridge's thousands of customers throughout the UK and Ireland. Both locations have trade counters and warehouse facilities - totalling 60,000 sq feet in all.

As well as 6 field sales staff, Aldridge has a 25-strong office-based sales team plus six more dedicated to special orders (non-stock items). Two are GAI Diploma holders with a further 3 in training.

Working closely with their major suppliers Aldridge are now utilising a Training Need Analysis (TNA) system which allows the identification of the skills, knowledge and attitudes individuals require to carry out their roles effectively and subsequently

follow up with training where necessary. The telephone system has also been upgraded allowing customers to be directed to an internal sales person with the most relevant skill set.

PRODUCTS

The company has built up six successful product divisions including Architectural Hardware, Access Control, Locking Products, Locksmith Tools/Accessories, Key Cutting and UPVC.

Aldridge's core customers are architectural ironmongers, access control installers, builders merchants, independent DIY retailers and locksmiths. Peter Los says "We realise that Als may have established relationships with manufacturers, but our huge range of stock items and next day delivery (same day service available in London) can often be a convenient and flexible option for sourcing products."

ASEC OWN BRAND

Aldridge also maintain their Asec range of own-branded locks, architectural hardware, keys and access control equipment: "They're all produced for us by the mainstream manufacturers", explains Peter, "So the quality is absolutely comparable with the branded equivalents". The Asec range is an independent brand that is not available in the multiples and offers the opportunity to sell high quality products at competitive prices.

INNOVATION

Like most in the AI business, Aldridge are acutely aware that customer service is key to their business. But they have some genuinely innovative initiatives: for example a 6-strong in-house marketing and graphic design team who will create literature and sales support materials for their customers. Peter Los is also enthusiastic about the new on-line ordering system: "Since we went live in September last year we have over 2,000 registered trade only users. This year we're hoping to do £5m worth of business online." Once logged in, customers can view products, check stock and



prices (including their discounts), place orders and even check their accounts – all 24 hours a day. This may seem a frivolous point, but in fact 12% of their orders are placed out of office hours. On-line orders by-pass the sales department, going straight to the warehouse for dispatch. So is it easy to use? "It has to be," says Peter, "Our customers simply wouldn't use it if it wasn't – and they'd soon tell us what they thought! And of course they can still phone, fax or e-mail orders if they wish."

Despite difficult trading conditions Aldridge's business is buoyant with work levels on a par with last year. According to Peter, best performers over the last twelve months have been architectural hardware, access control, specialised cylinder systems and UPVC locking products.

SERVICE

With a product and service offering ranging from full key cutting, master keying and keying alike services to the latest biometric access control systems and around £4m worth of warehouse stock, Aldridge Security is one of the largest wholesalers in the UK. However, what recent history has taught us is that simply being big is no guarantee of success. But with their constant search for improvements and innovations in customer support and 'user-friendliness' Aldridge seem to have managed to retain the small company service ethos. There's definitely a lesson there.



SOFT OPTION

GEZE UK has unveiled a brand new sliding door system with secret SoftStop technology. The new Perlan 140 SoftStop incorporates a special damping system that is totally hidden in the rolling track, making uncontrolled impact against door-frames and fittings a thing of the past. An animated demonstration of the Perlan 140 SoftStop is available at www.geze.co.uk.

The Perlan 140 SoftStop is hidden in a running track that is just 40mm in height, ideal for office and residential applications. However hard the door is closed, the impact is controlled automatically as the mechanism gently brakes the moving door and then softly slides the door into its final position.

Quiet, sturdy and highly durable, the Perlan 140 SoftStop is suitable for ceiling or wall mounting and can be used for single or multi-leaf sliding doors. Certified according to DIN EN 1527:1998, the door gear can support wooden, plastic, metal and glass doors weighing up to 80kg in standard and special sizes, utilising a three pendulum suspension system for optimal load distribution.



The new way to secure your exit.

Exidor 400 series Touch Bar with Electronic Latch Retraction



- Designed to link with the buildings access control system.
- Ideally suited to monitor restricted access in schools, colleges and commercial buildings.
- Outside access can only be gained by cardholder, electronic key pad or close proximity access control.
- Low cost 24V, 1 A power consumption.
- Options available include; electronic holdback, built-in microswitch (to monitor push bar movement), and an audible anti-tamper alarm facility.

For further details please call: 01543 578661
or email: sales@fredduncombe.co.uk

www.fredduncombe.co.uk

EXIDOR
FD The safe way out

SLIMLINE SLIDE

A new Dor-O-Matic Compact Operator for sliding doors has been launched by Ingersoll Rand Security Technologies to meet the demand for slimline automatic door systems. The innovative and contemporary design combines sleek lines with robust construction and enhanced control.

The Dor-O-Matic operator is a self-contained electro-mechanical drive unit for surface applied applications on new or existing bi-parting doors. Housed in high-grade extruded aluminium, the low-profile design co-ordinates with most commercial architectural systems and with an overall height of only 10.5cm and projection of just 13cm, the operator gives clean and contemporary look to any doorway.

Other features include high-density rollers which make for very smooth and virtually silent automatic door operation. The compact drive system is based on a micro-motor which consumes less power than traditional products and helps reduce whole life costs.



DRIVING CONTROL

GEZE UK has launched a cost effective sliding door operator for areas with high footfall.

The new ECdrive provides functionality and economic efficiency and is specifically designed for busy areas. Built to the highest quality standards and meeting stringent safety requirements, the flexible sliding door operator is suitable for single and double-leaf doors up to 120kg and door widths up to 3000mm.

Using GEZE's latest actuation technology, the ECdrive is simple to assemble and adjust and can be used with toughened safety or insulation glass for a contemporary look, or framed and timber doors for more traditional projects.

Its self-cleaning roller carriage and low friction ensure the operator is quiet, as well as reliable and durable. GEZE UK's operations director, Paul Ryan said: "For contractors looking for an affordable option that is still safe, consistent and durable, the ECdrive is a good choice. Ensuring a safe and easy flow of people remains a top priority, and this operator has all the qualities a specifier or contractor is looking for, combining functionality, reliability and cost-effectiveness."

HEAVY USE HANDLES

The Webb Lloyd range of solid bar, unsprung door handles has been specifically designed to meet the demand for high specification door furniture for use in high traffic areas.

The UK manufactured 19mm, 22mm and 25mm diameter solid bar ranges of Irving, Irving Duo and Harmony in Stainless Steel and Aluminium have now been successfully independently tested to all of the requirements of BS EN 1906:2002, including corrosion testing to Grade 3-high resistance.

The robust construction of the Webb Lloyd levers have been tested to 200,000 cycles and are certified as suitable for high frequency use in public areas where there is little or no incentive to exercise care and where there is an increased possibility of abuse.

Webb Lloyd EN 1906 accredited lever furniture affords the discerning buyer a totally fit-for-purpose solution in all public areas and heavy footfall environments.



EMERGENCY ESCAPE MORTICE SASHLOCK

HOPPE (UK) Ltd has upgraded its AR915 escape mortice sashlock, for use on emergency exit or emergency exit route doors.

The AR915 has successfully been performance tested, CE Marked & CERTIFIRE approved in accordance with the latest emergency exit hardware standard BS EN179:2008 and also BS EN 12209:2003 which is for mechanically operated locks and latches.

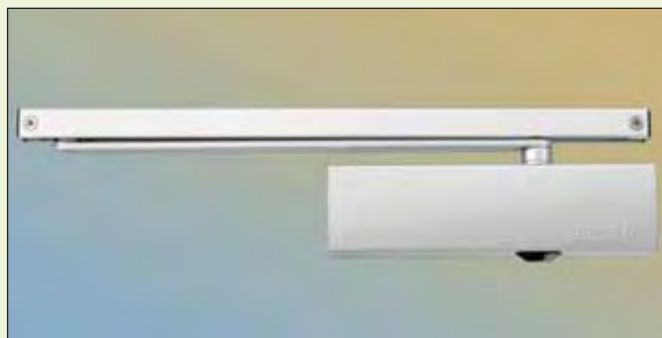
Suitable for doors hinged on either the left or the right which require key operation externally and single action escape function internally, the AR915 Escape Lock is available in satin stainless steel, polished stainless steel and polished brass finishes and is suitable for use on 30 minute and 1 hour timber fire doors and up to 4 hour steel fire doors.

FULL MARKS

GEZE UK's new intelligent door closer, the TS 3000 EC, has been designed specifically for the education environment. The robust TS 3000 EC, which is available in a choice of finishes, can withstand the tough demands of hectic school life whilst making access easier for even the smallest student. The new surface mounted door closer has a low opening force, requiring less energy to open the door, perfect for the variety of users and fast-paced environment of schools and colleges.

Maintaining the strictest safety standards, the TS 3000 EC not only features adjustable hydraulic latching action, closing force and speed control, but also incorporates a sleek guide rail rather than an obtrusive arm to make it safer for both teachers and students. Rigorously tested, the closer conforms to EN 1154 and is fire tested to EN 1634-1 (CF 145), bridging the gap between the stringent fire regulations and Approved Document M (ADM) of the Building Regulations.

Suitable for single action, left and right closing doors, of up to 950mm wide, the high performing and efficient TS 3000 EC is available with the option of an adjustable back check on the BC version.



EXIDOR LATCH RETRACTION

Fred Duncombe has now enhanced its Exidor range with the introduction of Electronic Latch Retraction on the stylish 400 series Touchbar range.

Designed to link with a buildings access control system, the new 400 series electronic latch retraction option has been developed to provide a high level of security control by monitoring pedestrian access to any vulnerable or restricted areas, particularly in schools, colleges, local authority departments or commercial buildings.

Whilst permitted outside access via the ELR can only be

gained using a card reader, electronic key pad or close proximity access control, the internal push bar remains a mechanically operated feature ensuring safe exit from the building at all times.

Other features available with the ELR system include electronic hold back (dogging device) to allow unrestricted access at certain times, a built in microswitch facility to monitor push bar movement and an audible anti tamper alarm facility.

In the interest of electricity cost and power conservation the Exidor ELR only requires a 24V, 1A power supply, unlike the draining 6A supply necessary to power other products on the market.



GEZE UK FILLS THE GAP

GEZE UK has launched its latest, most versatile door closer with a closing force adjuster.

Developed to be a step ahead of GEZE's current industry bestseller, the closing force of the new TS 2000 NV can be adjusted by a hex key, eliminating the need to move the closer body. Being able to fully adjust the closing speed and closing force makes it easier to assist with conformance to the requirements of Approved Document M and BS8300, and the rigorous demands of the DDA.

Providing contractors with a high quality, cost effective solution, this surface mounted rack and pinion overhead door closer with V arm is the ideal solution for single action, right or left hand closing doors and is suitable for leaf widths up to 1100mm, featuring an hydraulic latching action as well as a back check on the NV BC version. Combining safety with aesthetics, the durable closer has been subjected to thorough testing, conforming to EN 1154 and fire tested to EN 1634-1 (CF 252).

RAISING THE BAR

Adams Rite's newly developed mortise mechanical deadlock - Sentinel 6 - meets the toughest security standards, making it the ideal solution to upgrade existing locks.

The new Sentinel 6 offers significant benefits over some earlier designed locks and has been developed to meet the specific and exacting criteria of BS EN12209 security grade 6.

Designed for the commercial aluminium door market, it offers high level security due to the combined strength of a bar bolt and anti-spread feature of the hook bolt.

Its slim-line lock case makes it more suited to thermally broken sections as well as the more traditional single chambered aluminium sections and can be easily retro-fitted, replacing the MS2200.

The deadlock operates with a 17mm Europrofile cylinder, and is available in three backset sizes - 25, 30 and 40mm.

MAKING ACCESS E-ASY



The UK's leading door and window control manufacturer, GEZE UK, is helping make access even easier for architects, specifiers and contractors, with a quick reference e-guide to the latest industry standard and new applications.

Featuring an expert overview of the new BS8300:2009, which covers the design of buildings and approaches to meet the needs of disabled people, the user-friendly e-guide is available to download free of charge from the corporate literature folder of the technical room at www.geze.co.uk and provides accurate advice and practical solutions to address the issues surrounding inclusive design.

The BS8300:2009 standard, launched in February, is the result of an in-depth consultation by industry experts, including GEZE UK's technical director Simon Bowden. "This standard provides actual solutions where products or product sets exist, or advice in finding the right solution. Rather than just telling architects and specifiers what they need to do, this explains how it can be achieved, and it's

essential that manufacturers like GEZE UK help promote it," commented Simon.

"We're hoping that our e-guide will help raise the profile of the BSI guidance, and includes examples and information, demonstrating how inclusive design can easily be achieved by specifying the right product first time, without having to compromise on cost, style or safety."



NEW NAME FOR STERLING

Sterling Locks Ltd is the new name of Phoenix Security Products, suppliers of the Sterling security range. The award-winning company, which is based in Leeds, has built up a firm reputation for quality, value and service. The new company name, together with a new logo, has been unveiled as Sterling expands its range of trusted security products. Sterling has launched a new range of Bullet Locks. As customers expect, these are made to Sterling's exacting standards, and come with a ten year guarantee. With a pin tumbler locking mechanism and key-retaining when in the unlocked position, Sterling Bullet Locks are strong, reliable front line security. They are also available in repeatable keyed-alike suites for convenience. Even more convenient, Sterling has also launched new Bullet Lock Housings alongside the range making it simple to find all the kit needed to secure properties.



THE "ULTIMATE" HINGE WEB SITE

SIMONSWERK UK Ltd. has initiated an enhanced interactive website at www.simonswerk.co.uk. as part of an ongoing marketing campaign to promote their highly competitive, comprehensive range of high performance hinges. Site options allow visitors to view technical information and download PDF files of all the hinge ranges either singly or the full catalogue if required. The site also contains regular Company news updates and product launch information together with a link to the German parent company site www.simonswerk.de with over 4,000 hinge and hardware items available for doors, windows and conservatories.

The site headlines their TECTUS 3D completely concealed, award winning stainless steel hinges; SAMSON solid brass hinges with 25 year Guarantee, CE marked, fire rated & designer finial options; COLUMBUS fully adjustable, maintenance free, quick easy mounting hinges and the VARIANT VX heavy duty hinge in an attractive real bronze finish.



EXIDOR LAUNCHES NEW RANGE BROCHURE

The new Exidor range brochure from brand leading UK manufacturers Fred Duncombe Ltd illustrates one of the most comprehensive ranges of Panic and Emergency Exit Hardware available from any British manufacturer or distributor.

Designed as the ideal specifiers reference point for any Panic and Emergency Exit Hardware applications, the format of the new literature provides clear product information across the entire range, detailing essential product specifications, including CE marking, EN 1125, EN179 and Certifire certification where appropriate.

There is an Exidor model to suit every specification ranging from the stylish Slimline 500 series, 200/300 series and 400 series Touch Bar through to the 700 series Heavy Duty High Security. The range brochure also provides full information on ancillary products to the range including Door Seals, Codelocks and Keep options.

All Exidor Panic and Emergency Exit Hardware Devices are designed to give instant escape when required by means of a Push Pad, Push Bar, Lever Handle or Touch Bar on single or double doors. The range options include a key operated Outside Access Device, which ensures external security, without compromising the facility for easy release from the inside.



THE NEW DISCIPLINARY REGIME

As from 6 April, things became much simpler on the question of disciplining and dismissing staff. Out goes the deeply unloved Dispute Resolution Regulations, with its highly unsatisfactory provisions of automatically unfair dismissal, even when there is only the merest breach of procedure, and in comes a far more equitable regime based on the new ACAS Code of Practice, which itself is based on best practice and well tried Tribunal expectations.

So, what do you now have to consider when going through dismissal?

1. Your employee is expected to be in possession of all the relevant facts and documentation, so that they are fully aware of what allegation they face, and can read beforehand any statements that have been made.
2. They retain the right to be accompanied by a work colleague or Trade Union official. They may ask questions, present evidence, call witnesses and raise points about any information presented to the meeting. This begs the question as to whether they are entitled to cross-examine witnesses. Tribunals have always been averse to this, as it is too openly adversarial, but the new Code will open a door, which persistent barristers may wish to push much wider.
3. At the start of the meeting the Chairman must clarify the purpose of the meeting, summarise the evidence and explain the implications, particularly if those implications are sufficiently serious to potentially include dismissal.
4. The employee can challenge the evidence, and the recommendation is that the Chairman should adjourn a meeting where the veracity or accuracy of the allegations is refuted, and re-interview the person(s) concerned on the new

points being raised.

All the normal rules of natural justice continue to apply, and if you are not sure about this you should contact the GAI Legal Helpline.

Failure to adhere to the Code when dismissing an employee can lead to compensation being enhanced by up to 25%.

Two other issues should be brought to your attention. Firstly, and very disappointingly, the Code provides that you should not make a decision in the absence of the employee (when they fail to attend the meeting) unless they do so "persistently". We are very unhappy about this. If an employee is provided with the relevant information, told when the meeting is, that they have the right to be accompanied, and will have every chance to make their representations, it seems absurd to us that they should be given further chances to attend, in particular when they fail even to make contact. However, according to the Code they may do so "persistently" before you are in a position to fairly dismiss. We think this is simply wrong, but it is in the Code, so has to be taken account of.

Secondly, companies will now be required to "involve" their employees in developing disciplinary rules and procedures. It is not clear how this is expected to be accomplished. It also raises the question as to what attitude a tribunal will take about pre-existing procedures which have been in place for some years, at times when it has clearly been the responsibility of management to provide these procedures. Those companies who have a Staff Consultative Council should put this matter on the Agenda. Those who do not, should give thought as to how this consultative obligation can be discharged.

If you have any questions about this or any employment issue, you can always contact the GAI Legal Helpline on 01483 469804.

Roger Vincent

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