



Hardware Solutions





Designed • Developed • Delivered

J Banks & Co Ltd are well established as one of the UK's leading Manufacturers of Door and Window Hardware solutions.

J Banks pedigree and experience has been gained over one hundred and seventy years in business. In recent years there has been a programme of continuous investment in plant and facilities. The company's extensive range of products and services has been developed to meet the growing market demand for high quality and innovative products.

Today, the centrally located 40,000sq ft purpose built factory and administration centre houses a comprehensive design and development division, incorporating the latest CAD/CAM software and advanced rapid prototyping equipment.

On site manufacturing facilities include the very latest equipment for precision turned parts, pressure zinc die casting, plastic injection moulding and multi axis machining centres, alongside high volume presswork and assembly lines, inspection, warehousing and nationwide distribution.

The company's diverse portfolio of products includes Architectural Door Hardware and accessories; Door and Window Safety Restrictors, Bi-Fold Door hardware, Sliding Sash hardware, Locking and Security Devices and bespoke products specifically designed, developed and manufactured to meet the customer's exact specifications.

J.Banks & Co Ltd are certified to BS EN: 9001:2008 quality management systems and accredited to the BS EN: 14001 Environmental standard. ISO18001 Occupational Health & Safety Management System



Excellence in Engineering Design and Manufacture

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Please note: dimensions indicated are subject to change, please refer to website for the latest information.
Please note: drawings in this catalogue are not to scale, please refer to the dimensions.



Certificate No. FM 45429



Certificate No. EMS 561587



Certificate No. OHS 606102



1846

J Banks History



1846

Founded Jacob Banks

The company was founded in 1846 by Jacob Horace Banks on a site in Wood Street, making padlocks. Kelly's directory of 1900 lists Jacob Banks, as padlock makers. There is a sketch in the Willenhall Lock Museum showing his original sketch for some padlocks in 1906.

1912

John Banks joined the family business

Jacob had two sons, John and Horace. John set up on his own, making night latches, while Horace joined his father making padlocks. In 1912, John joined Horace in the original Wood Street premises.



1914 - 1918

J Banks make bullet proof vests

During the 1914 - 1918 war the company also manufactured a metal bulletproof vest that was offered for sale to soldiers. John's son Horace could remember as an 8 year old boy standing outside the Moleneux football ground at Wolverhampton distributing leaflets about the vests. The Willenhall Historical Society has a sample of the vest and some advertising literature that was presented to them by Horace.



1920

A fire destroyed the works

John lived in a house on the site of the works. In 1920 a fire burnt down the works, and John's son Horace could remember being carried down stairs and away from the fire by his father. He then had to call the fire brigade, who had to go and catch a horse in a local field to pull the fire appliance before they could deal with the fire. The works were extensively damaged and were rebuilt as they stand today.



1939 - 1945

J Banks manufacture kit bag handles

During the 1939 - 1945 war along with other products the company started to manufacture two types of kit bag handles for the Army and Navy. They were still being produced in 2001. At the end of the war they returned to manufacturing an extensive range of padlocks. Trade names included Cameo, Consul, Majestic and night latches, pin key type not pin tumbler. In 1946 John Banks added a new padlock to the range known as Rolls (i.e. The Rolls Royce of padlocks). It was manufactured to a very high standard.

1940

The story of SS Breda

On Christmas Eve 1940, the Dutch vessel Breda was bombed during a German air raid on Oban roads, whilst in convoy from London to Mombasa and Bombay. Although the bomb was not a direct hit, she suffered damage in the form of a fractured cooling water inlet pipe, and taking in water, made her way, under her own power, to the east shore of Ardmucknish Bay. There, Captain Johannis Fooy beached her on a shelf which extends 600 yards out to sea, where the depth is still only 6 metres.

In 1966 the wreck was rediscovered by Edinburgh BSAC divers, and despite the loss of her bridge, derricks and funnel, still looked undamaged and ready to sail again, if she could be raised to the surface. The sunken ship remains at a depth of 26 metres (85ft) and has long been a popular dive site, with some of her



remaining cargo still being accessible.

In 1992 a diver found a wooden crate, we believe in hold No 1. Whilst the timber crate was rotting away, inside the crate was Brass Button Sticks manufactured by J Banks. The Brass Button Sticks were used to protect the fabric of a uniform or coat whilst cleaning buttons. The stick would be placed behind a button, the polishing cloth could make contact with the button and the stick would prevent the fabric from being damaged. The sticks were stamped with J Banks & Co Ltd Willenhall and the diver traced them back to us and returned a handful that we still have today on display.

1950s

John Banks dies

On the death of John and Horace, Horace's son Tony ran the business from the late 1950's. Tony was a Bevan boy at Hilton Main Colliery from 1945 to 1948.

This is ironically the present day site of the company. By this time they were manufacturing locks that were fitted on top of leather cases used in the coal mining industry for carrying detonators and explosives. Whilst John's son, also called Horace became a tool maker, eventually becoming a partner in Orwill Engineering. Horace died 26th March 1996.

1991

Tony Banks retires

Tony announced his retirement in 1991 and John Wellman who had previously been acquainted with Tony, informed his father, David Wellman, of this business opportunity.

David Wellman joins

On the 7th December 1991, the business was sold to John's father, David Wellman and his partners, Mr and Mrs Hipkin, under whose guidance they diversified into cast houseware products, door and window fittings to bespoke and "in house" design, while still continuing to supply padlocks, budget lock's and various locking devices.



2004

David and Glenys Wellman procure sole ownership

Following Mr & Mrs Hipkins retirement, David Wellman together with his wife Glenys Wellman procured sole ownership of J Banks in April 2004. With the companies wealth of experience and its proactive approach to market forces and ever changing needs of the industry the company concentrated on Door and window hardware with David re-designing their first ever window restrictor, the Concealed Short Arm Restrictor. The major success of this restrictor led to the pioneering design and development of a multitude of locking and non-locking window restrictors, Window Handles, Hinges, Budget Locks and a wide variety of press work, turned parts and bespoke products.

2005

J Banks move to Tipton

Due to the success of the company, on the 3rd January 2005 J Banks relocated to larger premises in Tipton. This move enabled the company to continue improvement and investment in the very latest state of the art equipment. CNC Vertical Machining centres, employing high precision CAD/CAM software and manufacturing techniques together with highly qualified and experienced engineers and designers offering a full design and development service to the door and window industry.

2008 - 2010

David and Glenys acquire Serco Plastics

In 2008 David & Glenys made further investment and acquired Serco (Plastic Injection) Moulders based in Woden Road, Wolverhampton and then later in 2010 together with their son Mr John Wellman the acquisition of PDT Plastics in Wednesbury, where John was appointed as the

Managing Director. These two companies merged into Serco (Plastic Injection) Moulders and moved under one roof to the Wednesbury site. This strategic addition to the J Banks Group rapidly provided growth and positive value.

2012

Major expansion as J Banks integrate with John Wellmans business

This major expansion and success led to the relocation and centralisation of all three Companies. On the 1st January 2012, JWM Turned Parts, owned by John, Serco (Plastic Injection) Moulders & J Banks successfully integrated and moved under one roof to a new purpose designed 40,000 sq. ft. site at Vernon Park, Featherstone, Staffordshire where John became the Managing Director enabling the succession of this historical family run business.

2014

J Banks sponsor a B-25 Mitchell Bomber

In August 2014, J Banks sponsored a B-25 Mitchell Bomber at the Dunsford Wings & Wheels Air show. This was in memory of David's father, the late Mr Alfred Wellman, who was the wireless operator and gunner on board this type of plane during the 1939-1945 War. This was a thoroughly enjoyable day out for all the staff who went along to support and join in this prestigious Air show.

Present day

Today J Banks & Company limited major in the design, development and manufacture of hardware and restrictors for the door and window industry, with their main customers being System Companies, fabricators and distributors. The Company remains a strong, family run business today as it did 170 years ago.



Section 3 - Door hardware

Designed and manufactured in the UK, the J.Banks range of innovative door hardware products are suitable for applications across a wide range of Timber, PVC-U and Aluminium door profiles.

The range includes:

ERICA The modern and stylish internal door safety chain, incorporating a unique emergency external release mechanism via a conventional external rim cylinder.

FRAME-GUARD Simple to install the surface mounted safety restraint provides both safety and additional security for both doors and windows.

RES-GUARD A strong and solid door safety restraint that offers improved door safety by means of an easy to engage rocker operation.

Concealed Door Stop suitable for standard euro groove profiles, the fully adjustable stainless steel and zinc die cast heavy duty door stop provides a discreet control over door opening angles.

Budget Locks A complete range of traditional locking options, key styles and accessories designed to suit a wide range of applications.

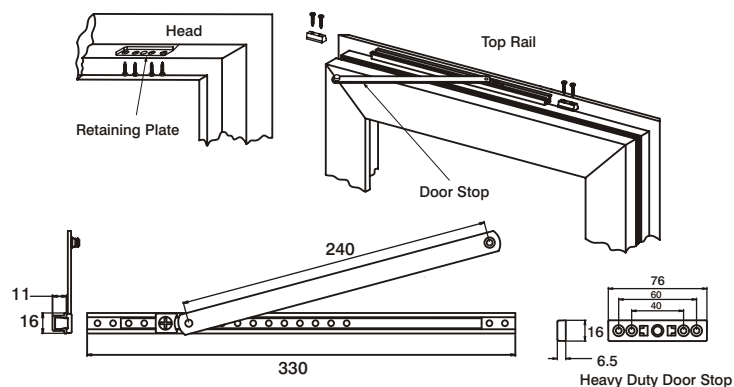
Concealed door stop

- Stainless steel and zinc alloy construction
- Adjustable stop position
- Opening angle up to 125°
- Adjustable friction
- Fits standard Euro groove
- Easy installation
- Suitable for PVCu, Aluminium and Timber doors
- Fixing screws not supplied

Door stop complete with track and retaining plate

Heavy duty door stop

JBC441HD



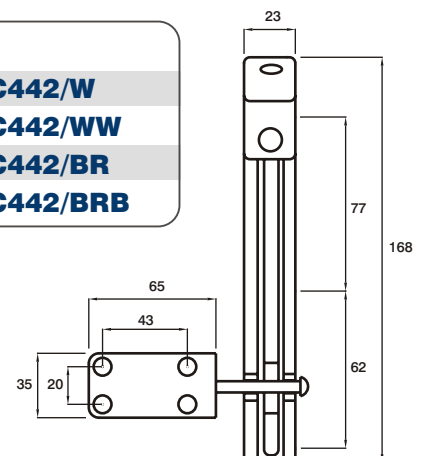
RES-GUARD - Safety door restraint

- Easy to use rocker operation
- Strong solid construction
- Secure fixings
- Suitable for PVCu, aluminium and GRP doors
- Available in white or brown powder coated finish
- Auto engage with door shut and button depressed

Finish

White/chrome rocker	JBC442/W
White/white rocker	JBC442/WW
Brown/chrome rocker	JBC442/BR
Brown/brown rocker	JBC442/BRB

Retaining Plate options:
Cranked Pin or Straight Pin



Limiting stay

Limiting stay

Code

Limiting stay

05/22

Is only available in (ezp) electro zinc plating



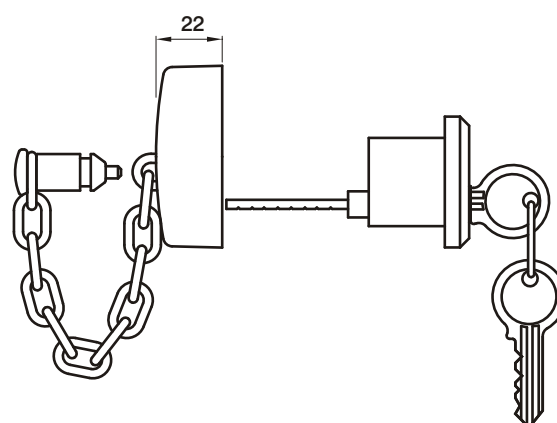
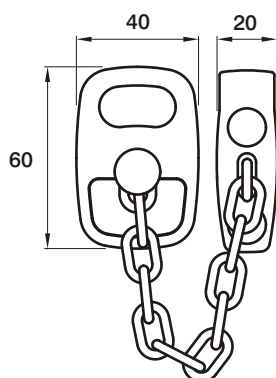
ERICA External Release, Internal Chain Access

A completely unique style of door chain, ERICA can be fitted in the same position on a door as a conventional chain. The chain body engages with a standard rim cylinder on the outside of the door, thus enabling the chain to be disengaged with a key from outside in emergencies. Where night latches are used, the same key could be used on both chain and lock.

- Modern alternative to door safety chain
- Simple push in chain engagement
- Easy push button release
- External key release
- Sleeved chain option available
- Keyed alike or master keyed
- High security fixings available
- Chain length options
- Available in white, gold or chrome



Dimensions



Part Numbers	WHITE	GOLD	CHROME
ERICA only	JBC233W1*	JBC233G1*	JBC233C1*
ERICA only with fixing kit	JBC233W1SK*	JBC233G1SK*	JBC233C1SK*
ERICA with cylinder	JBC233W1*N1	JBC233G1*B1	JBC233C1*N1
ERICA with cylinder and fixing kit	JBC233W1SK*N1	JBC233G1SK*B1	JBC233C1SK*N1

Note * denotes chain length (std lengths 100, 150, 200) special lengths to order

	BRASS	BRASS (Keyed alike)	Nickel	Nickel (Keyed alike)
Cylinders	JBC237B	JBC237BK	JBC237N	JBC237NK

Master keyed suites available to order

For thicker doors than standard, specials are available to order

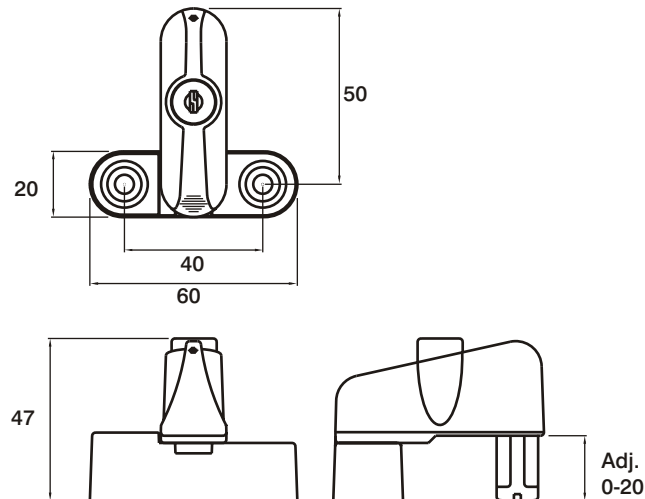
FRAME-GUARD - Safety window and door restraint

Many windows and doors will benefit from the added protection and improved security offered by Frame-Guard. Simple surface fixing and variable height adjustment for rebated profiles, ensures that Frame-Guard is the ideal security upgrade for timber, aluminium and PVCu applications.

The unique auto latching and dedicated key deadlocking action of Frame-Guard, affords total peace of mind by providing a positive deterrent to any attempted forced entry. Frame-Guard is available in powder coated White or Brown finish, or Gold Albratin plated. It is recommended that for aluminium and PVCu applications a cavity fixing kit with M5 machine screws be used. Kits are available to order.

- Strong diecast construction
- Push button release
- Auto latching and key deadlocking
- Variable height adjustment
- Suitable for PVCu, Aluminium and Timber
- Easy surface mounted fixing
- Gives enhanced security on windows and doors
- Available in White, Gold or Brown as standard
- Available locking on non locking

Dimensions

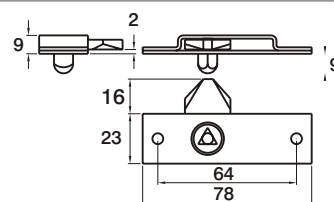


Colour	Locking	Non-Locking	Non-Latching
Gold	JBC370/G1	JBC370/NL/G1	JBC371/G1
Gold with fixing kit	JBC370/G1/SK	JBC370/NL/G1/SK	JBC371/G1/SK
White	JBC370/W1	JBC370/NL/W1	JBC371/W1
White with fixing kit	JBC370/W1/SK	JBC370/NL/W1/SK	JBC371/W1/SK
Brown	JBC370/BR	JBC370/NL/BR	JBC371/BR
Brown with fixing kit	JBC370/BR/SK	JBC370/NL/BR/SK	JBC371/BR/SK

Budget locks and accessories

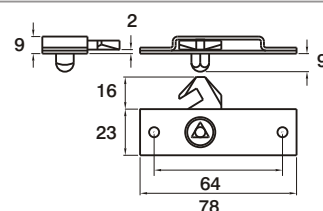
Standard budget locks

Brass body & nylon bolt	JBC101
St. Steel body & nylon bolt	JBC102
Brass body & die cast bolt	JBC103
St. Steel body & die cast bolt	JBC104



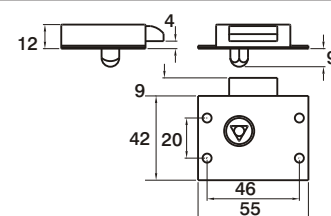
Budget Lock with slotted bolt

Brass body & R.hand bolt	JBC105/RH
Brass body & L.hand bolt	JBC105/LH
St. Steel body & R.hand bolt	JBC106/RH
St. Steel body & L.hand bolt	JBC106/LH



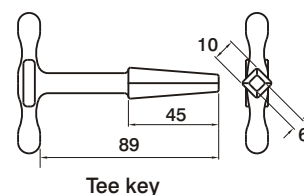
Slam Lock

Slam lock R.hand	JBC202/RH
Slam lock L.hand	JBC202/LH

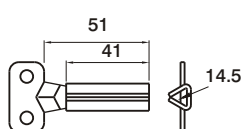


Keys

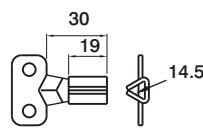
Long reach key	JBC107
Short reach key	JBC108
Meter readers key	JBC109
Tee key	JBC146
Plastic gas meter box key	JBC159



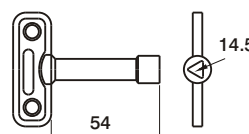
Tee key



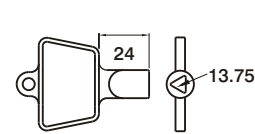
Long reach key



Short reach key



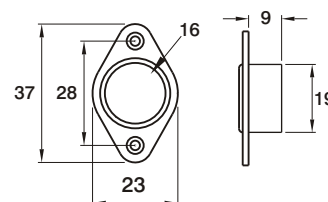
Meter readers key



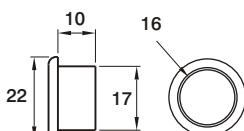
Gas meter box key

Accessories

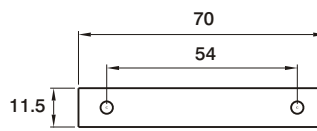
MS Ferrule, zinc plated	JBC111/ZP
Chrome ferrule	JBC111/C
Nylon Ferrule	JBC110
St. Steel latch plate	JBC114
Brass angle plate	JBC117



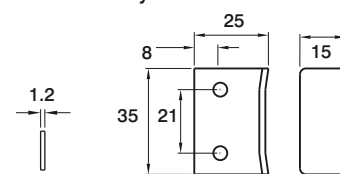
Nylon Ferrule



Zinc/chrome ferrule



Latch plate



Angle plate



Section 4 - Window hardware

The comprehensive and highly specified range of window restrictors, sash fittings and window safety devices from J.Banks has been specifically designed to complement most types of window profile applications.

Opening window options:

RES-LOK A complete suite of strong yet stylish Window Restrictors featuring Stainless Steel arms and zinc die cast brackets. The range of applications includes Surface Mounted, Concealed Fixing, Tilt & Turn and Hold-Open.

FRAME-GUARD Simple to install the surface mounted safety restraint provides both safety and additional security for both doors and windows.

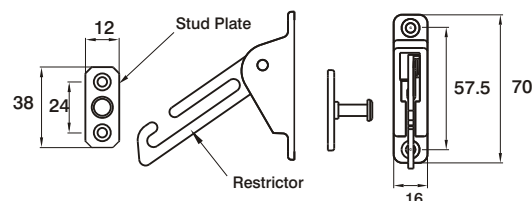
STANDARD RESTRICTORS J.Banks manufacture a range of face fix and concealed fixing non-locking restrictors to suit a variety of applications.

Face fix window restrictors

All comprehensive auto engage, surface mounted, non-locking restrictors designed for a variety of window applications.

Face fix restrictor (tilt & turn)

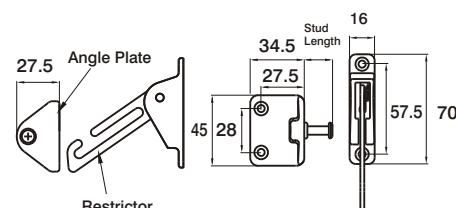
- Restricts turn position
- PVCu, Aluminium or Timber
- Surface mounting
- Easy fix
- Self-engaging
- Restricts sash to 100mm
- Conforms to BS EN 14351:2006 Clause 4.8
- Constructed from Stainless Steel & Zinc Alloy
- Available in White or Brown
- Studs supplied separately



Colour	Restrictor	Stud plate
White	JBC414/W	JBC412/W
Brown	JBC414/BR	JBC412/BR

Face fix restrictor (pivot windows)

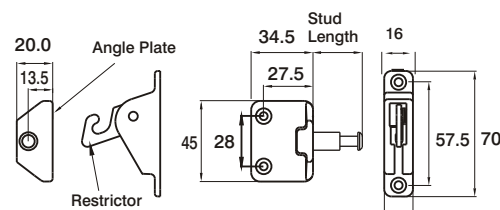
- Vertical or horizontal pivots
- PVCu, Aluminium or Timber
- Surface Mounting
- Easy fix
- Self-engaging
- Restricts sash to 100mm
- Conforms to BS EN 14351:2006 Clause 4.8
- Constructed from Stainless Steel & Zinc alloy
- Available in White or Brown
- Studs sold separately



Colour	Restrictor	Angle plates 27.00	(Stud length) 36.00
White	JBC414/W	JBC415W27	JBC415/W36
Brown	JBC414/BR	JBC415BR27	JBC415BR36

Face fix reverse stop (pivot windows)

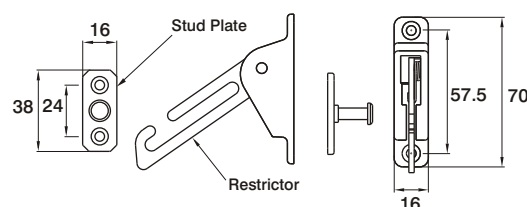
- Vertical or horizontal pivots
- PVCu, Aluminium or Timber
- Surface mounting
- Easy Fix
- Self-engaging
- Restricts sash to 100mm
- Conforms to BS EN 14351:2006 Clause 4.8
- Constructed from Stainless Steel & Zinc alloy
- Available in White or Brown



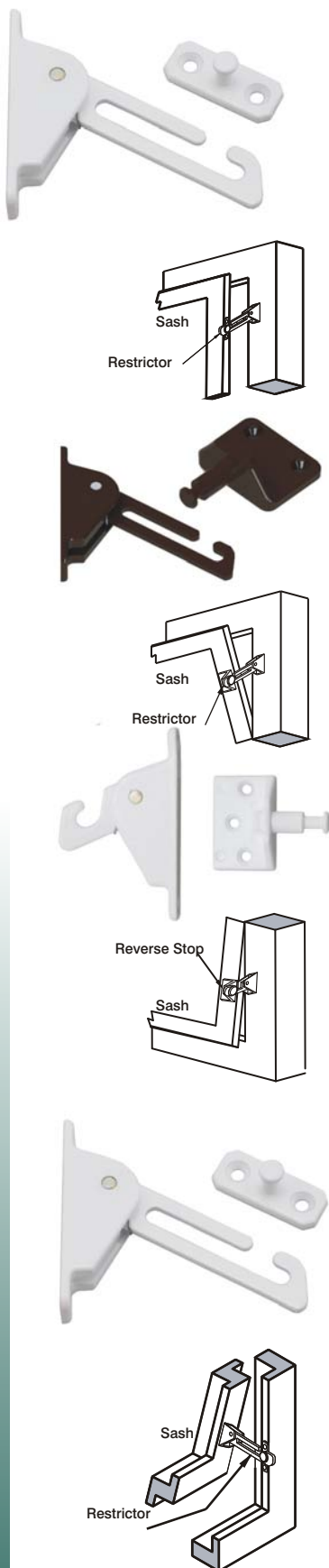
Colour	Restrictor stop	Angle plates 27.00	(Stud length) 36.00
White	JBC416/W	JBC415W27	JBC415W36
Brown	JBC416/BR	JBC415BR27	JBC415BR36

Face fix restrictor (casement windows)

- Side hung or top hung windows
- Suitable for Timber
- Surface mounting
- Easy fix
- Self-engaging
- Restricts sash to 100mm
- Conforms to BS EN 14351:2006 Clause 4.8
- Constructed from Stainless Steel & Zinc alloy
- Available in White or Brown
- Studs sold separately



Restrictors		Stud plates		
		12.50	13.50	14.50
White	JBC414W	JBC426W	JBC427W	JBC428W
Brown	JBC414BR	JBC426BR	JBC427BR	JBC428BR

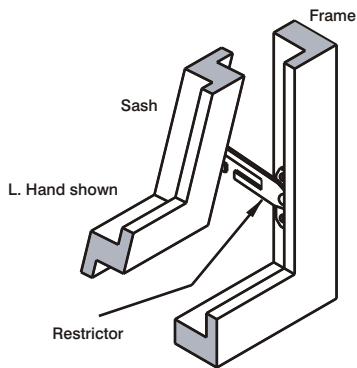


Concealed window restrictors

Auto engaging

Suitable for unobtrusive applications, this auto engage range of restrictors covers all window options.

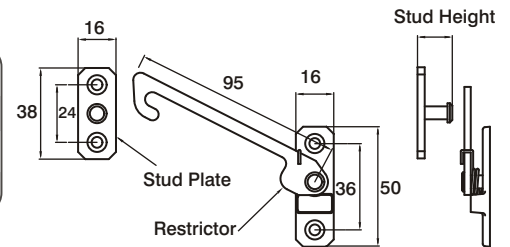
- Side hung or top hung
- PVCu, Aluminium or Timber
- Easy fixing
- Self-engaging
- Restricts sash to 100mm
- Conforms to BS EN 14351:2006 Clause 4.8
- Stainless Steel & Zinc Alloy construction



Concealed long arm restrictors

Colour	Left hand	Right hand
Self colour	JBC417L/H	JBC417R/H
White	JBC417LH/W	JBC417RH/W
Brown	JBC417LH/BR	JBC417RH/BR

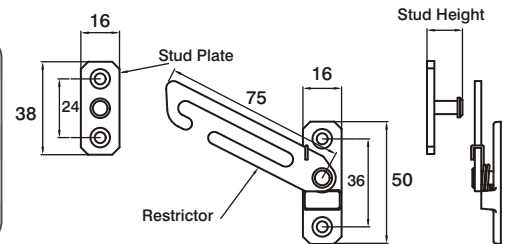
Studs supplied separately



Concealed short arm restrictors

Restrictors	Left hand	Right hand
Self colour	JBC413L/H	JBC413R/H
White	JBC413L/H/W	JBC413R/H/W
Brown	JBC413L/H/BR	JBC413R/H/BR

Studs supplied separately

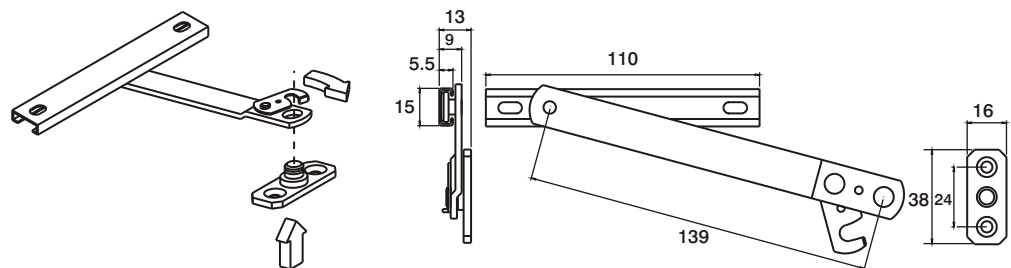


Stud plates for both long and short arm restrictors

Colour	9.50	10.50	11.50	12.50	13.50	14.50
Self colour	JBC423	JBC424	JBC425	JBC426	JBC427	JBC428
White	JBC423/W	JBC424/W	JBC425/W	JBC426/W	JBC427/W	JBC428/W
Brown	JBC423/BR	JBC424/BR	JBC425/BR	JBC426/BR	JBC427/BR	JBC428/BR

Studs supplied separately

Releasable restrictor complete with stud plate track



Colour

Self Colour **JBC484**

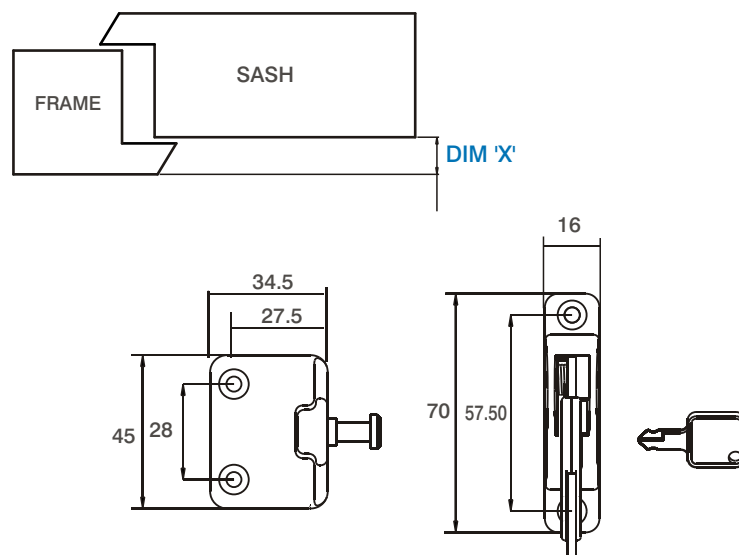
Supplied complete with stud

RES-LOK Face fix locking restrictor

Single surface fixing and positive window restriction

- Automatic locking
- Automatic engagement
- Dedicated key release
- Restricts sash to 100mm opening
- Surface fixing for new or retro mounting
- Suitable for all window types
- Conforms to BS EN 14351:2006 Clause 4.8..
- Constructed from Stainless Steel & Zinc Alloy
- Available in White or Brown
- Angle stud plates supplied separately

Measure the offset of the Sash from the Frame (Dim X) and select the correct Angled Stud Plate from the table below

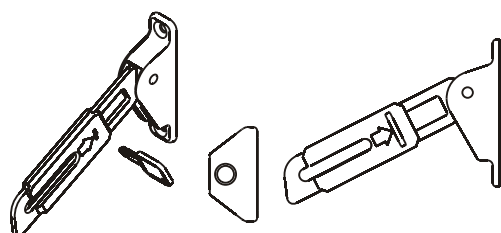
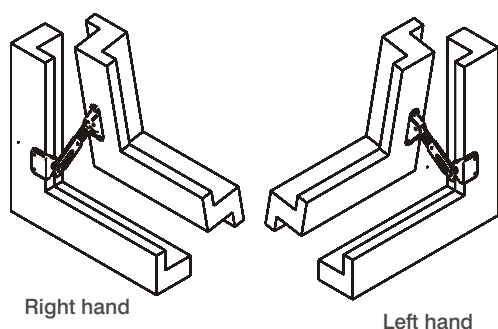


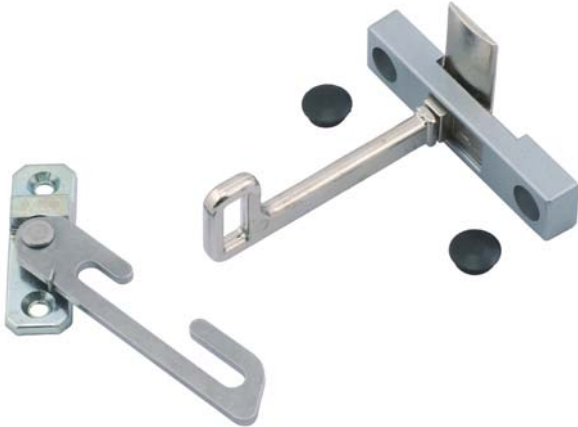
Restrictors	Left hand	Right hand
White	JBC360/W1	JBC361/W1
Brown	JBC360/BR	JBC361/B1

Angled stud plates			
Dim X	0-5	5-10	10-15
White	JBC362/5/W1	JBC362/10/W1	JBC362/15/W1
Brown	JBC362/5/B1	JBC362/10/B1	JBC362/15/B1

Angled stud plates			
Dim X	15-20	20-25	25-30
White	JBC363/20/W1	JBC363/25/W1	JBC363/30/W1
Brown	JBC363/20/B1	JBC363/25/B1	JBC363/30/B1

Spare Key **JBC486**





- Automatically engages and locks when window closes - dedicated key release
- Also available as a non key locking
- Easy fixing
- Stainless Steel and Zinc Alloy construction
- Conforms to BS EN 14351
- Available in White, Silver and Brown as standard

A Insert the key and whilst holding the key in, slide the lock assembly to the right/left (depending on RH/LH).

B Whilst holding the lock assembly to the right/left, open the window. When the window is open at a set distance, the shape of the key dictates that it has to be removed to open the window further.

C Once the key has been removed, the lock assembly will spring back into its original position. This allows normal operation of the standard restrictor arm to resume. When the window is closed the restrictor arm will self engage and will restrict the window the next time it is opened.

RES-LOK Concealed tilt & turn locking restrictor

Simple to operate action providing improved safety

The unique Res-Lok Tilt and Turn Concealed Restrictor has been designed to provide safety for all major types of PVCu, Aluminium and Timber Tilt and Turn windows.

The configuration of the Res-Lok Concealed Tilt & Turn Restrictor will vary depending on the profile of window, but will generally consist of the following:

1 x Short Arm Concealed Restrictor, RH or LH in self colour, white or brown.	JBC413TT
1 x Stud plate (9.50 to 14.50mm), in self colour, white or brown.	JBC423-428
1 x Tilt & Turn Res-Lok Restrictor, LH or RH in silver, white, brown or black.	JBC803

Parts list

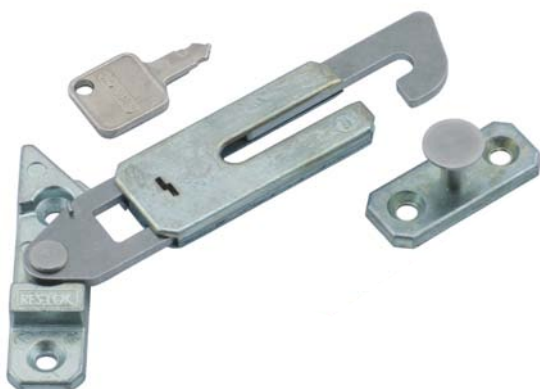
Description	Finish	Ref No
Short arm concealed restrictor - LH	Self Colour	JBC413TTLH
Short arm concealed restrictor - RH	Self Colour	JBC413TTRH
Short arm concealed restrictor - LH	White	JBC413TTLH/W1
Short arm concealed restrictor - RH	White	JBC413TTRH/W1
Short arm concealed restrictor - LH	Brown	JBC413TTLH/B1
Short arm concealed restrictor - RH	Brown	JBC413TTRH/B1
Concealed stud plate (9.50mm)	Self Colour	JBC423
Concealed stud plate (10.50mm)	Self Colour	JBC424
Concealed stud plate (11.50mm)	Self Colour	JBC425
Concealed stud plate (12.50mm)	Self Colour	JBC426
Concealed stud plate (13.50mm)	Self Colour	JBC427
Concealed stud plate (14.50mm)	Self Colour	JBC428
Concealed stud plate (9.50mm)	White	JBC423/W
Concealed stud plate (10.50mm)	White	JBC424/W
Concealed stud plate (11.50mm)	White	JBC425/W
Concealed stud plate (12.50mm)	White	JBC426/W
Concealed stud plate (13.50mm)	White	JBC427/W
Concealed stud plate (14.50mm)	White	JBC428/W
Concealed stud plate (9.50mm)	Brown	JBC423/BR
Concealed stud plate (10.50mm)	Brown	JBC424/BR
Concealed stud plate (11.50mm)	Brown	JBC425/BR
Concealed stud plate (12.50mm)	Brown	JBC426/BR
Concealed stud plate (13.50mm)	Brown	JBC427/BR
Concealed stud plate (14.50mm)	Brown	JBC428/BR
Tilt & turn Res-Lok restrictor - LH	Silver	JBC803LHSI
Tilt & turn Res-Lok restrictor - RH	Silver	JBC803RHSI
Tilt & turn Res-Lok restrictor - LH	White	JBC803LHW1
Tilt & turn Res-Lok restrictor - RH	White	JBC803RHW1
Tilt & turn Res-Lok restrictor - LH	Brown	JBC803LHBR
Tilt & turn Res-Lok restrictor - RH	Brown	JBC803RHBR
Tilt & turn Res-Lok restrictor - LH	Black	JBC803LHBK
Tilt & turn Res-Lok restrictor - RH	Black	JBC803RHBK

Spare Key

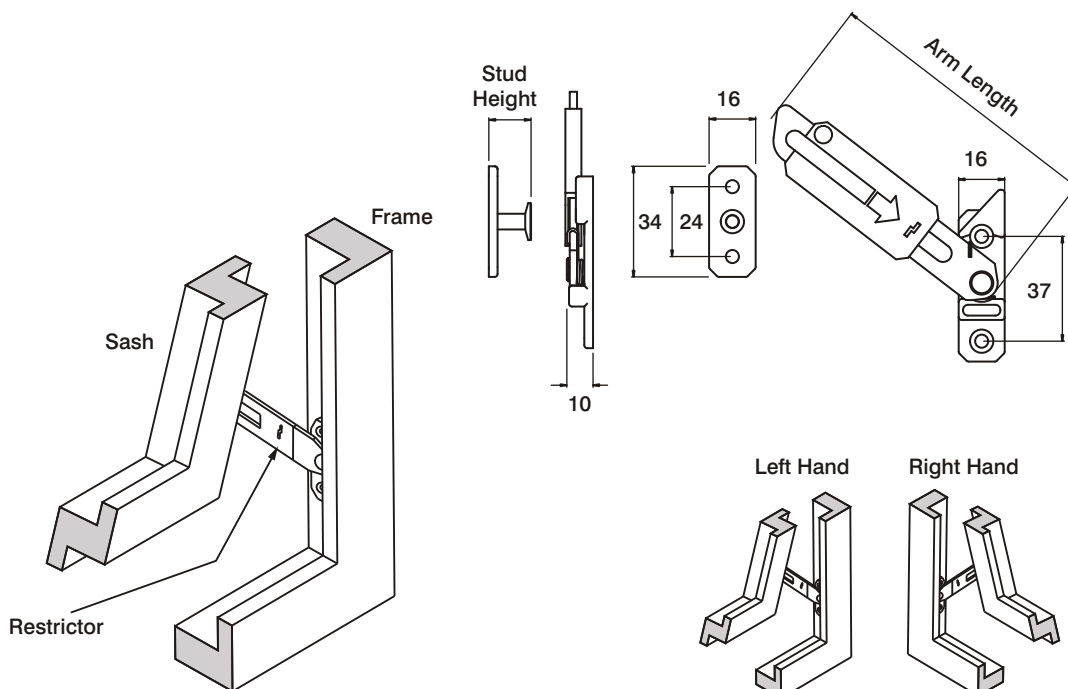
JBC803KEY

RES-LOK Concealed restrictor

The ultimate guard in window restriction



- Automatic locking
- Automatic engagement
- Concealed fitting
- Restricts sash to 100mm opening
- Dedicated key release
- Retro fitting option
- Suitable for all window styles: PVCu, Aluminium & Timber
- Conforms to BS EN 14351:2006 Clause 4.8
- Constructed from stainless steel and zinc alloy
- Supplied in self colour
- Studs supplied separately

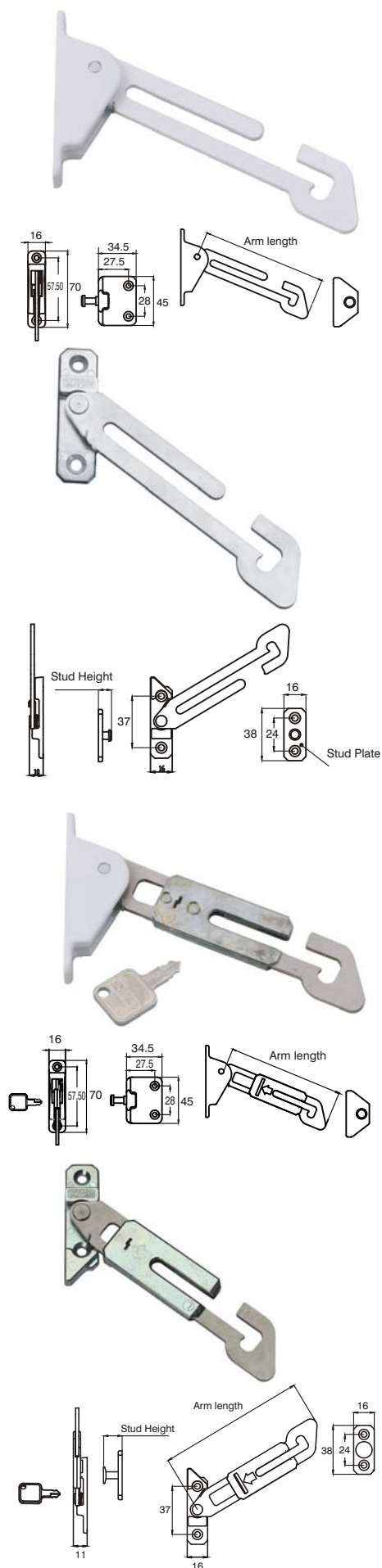


Restrictors	Arm length	Left hand	Right hand
Res-Lok	105mm	JBC327	JBC328
Res-Lok extended	113mm	JBC234/LH	JBC234/RH
Res-Lok extra extended	120mm	JBC234/120/LH	JBC234/120/RH

Stud plates (height)	11.50mm	12.50mm	13.50mm	14.50mm
Res-Lok	JBC261/11.5	JBC261/12.5	JBC261/13.5	JBC261/14.5
Res-Lok extended	JBC261/11.5	JBC261/12.5	JBC261/13.5	JBC261/14.5
Res-Lok extra extended	JBC261/11.5	JBC261/12.5	JBC261/13.5	JBC261/14.5

Note: To ensure correct operation of the restrictor, it is important that the correct stud plate height is used to suit the cavity between the sash and the frame.

Spare Key JBC486



Hold open restrictors

The Hold open feature is designed to give positive Hold open positioning to stop blow back of window or shutting if leaned against

Face fix non-locking hold open restrictors

- Hold open positioning
- Side hung or top hung window
- Suitable for all window types
- Surface mounted
- Self-engaging
- Easy fix
- Constructed from Stainless Steel and Zinc alloy
- Available in White or Brown
- Studs sold separately

Colour	Restrictor
White	JBC414/HO/W1
Brown	JBC414/HO/BR

Concealed non-locking hold open restrictor

- Hold open positioning
- Side hung or top hung
- Suitable for all window types
- Easy fixing
- Concealed fitting
- Constructed from Stainless Steel and Zinc alloy
- Supplied in self-colour
- Studs sold separately

Colour	Left hand	Right hand
Self-Colour	JBC413/HO/LH	JBC413/HO/RH

Res-lok face fix locking hold open restrictor

- Hold open positioning
- Automatic locking & engagement
- Dedicated key release
- Surface fixing
- Suitable for all window types
- Constructed from Stainless Steel and Zinc alloy
- Available in White or Brown
- Angle Plates sold separately

Colour	Left hand	Right hand
White	JBC360/HO/W1	JBC361/HO/W1
Brown	JBC360/HO/B1	JBC361/HO/B1

Res-lok concealed locking hold open restrictor

- Hold open positioning
- Automatic locking & engagement
- Concealed fitting
- Dedicated key release
- Retro fitting option
- Suitable for all window types
- Constructed from Stainless Steel and Zinc alloy
- Supplied in self colour
- Studs sold separately

Colour	Left hand	Right hand
Self-Colour	JBC327/HO	JBC328/HO



Section 5 - Vertical sliding sash hardware

Vertical Sliding Sash window options:

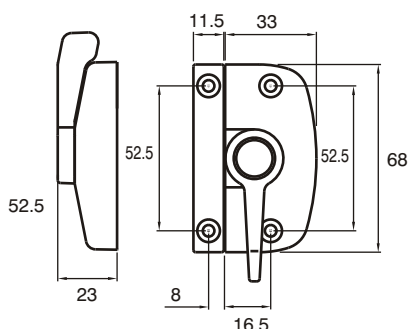
SASH-LOK This unobtrusive restrictor provides easy use for ventilation, whilst restricting further movement with a positive spring operated stop at a premeditated point.

CAM-LOK is manufactured in two options for either standard or heavy-duty window applications. The stylish, slimline designed Cam-Lok is designed for both lateral and vertical seal compression and is available with or without key locking.

SASH WINDOW FITTINGS
J.Banks manufacture a wide range of products specifically designed for vertical sliding sash windows. These include, Tilt Latch Knobs, Sash Lifts and Finger Rings.

CAM-LOK

- Stylish slimline design
- Locking and non-locking
- Suitable for PVCu, Aluminium & Timber
- Lateral and vertical seal compression
- Solid diecast construction
- Easy fixing
- Night vent and flat plate keep options
- Available in Black, White, Chrome, Gold or Brushed Steel



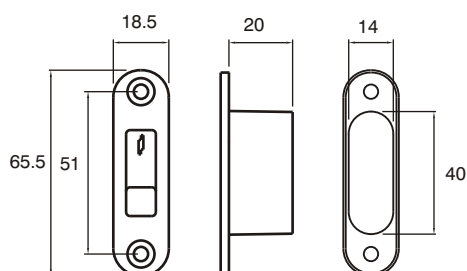
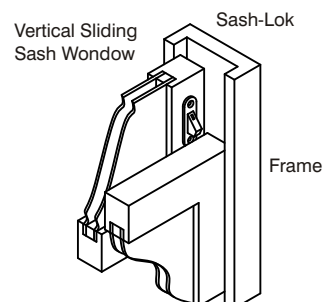
Spare Key JBC438

Colour	Locking	Non-locking	Flat bottomed diecast keep (11.5mm)
White	JBC351/W1	JBC350/W1	JBC354/W1
Chrome	JBC351/C1	JBC350/C1	JBC354/C1
Gold	JBC351/G1	JBC350/G1	JBC354/G1
Brushed steel	JBC351/BS	JBC350/BS	JBC354/BS
Black	JBC351/BK	JBC350/BK	JBC354/BK

Spare Key JBC438

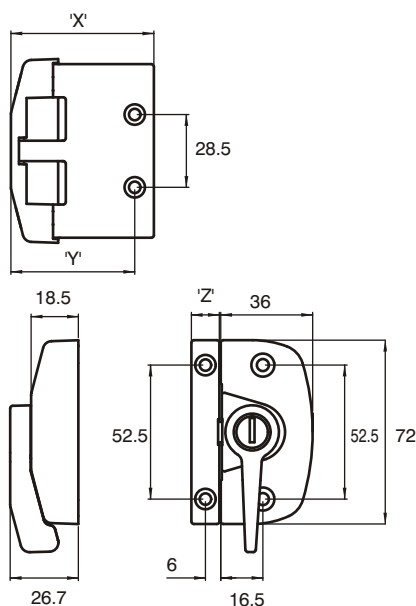
SASH-LOK

- Automatic Engagement
- Also available in non-locking
- Key releasable
- Suitable for PVCu, Aluminium & Timber
- Restricts sash to 100mm
- Conforms to BS6375 Part 2: 1987
- Available in White or Brown
- Complete with key
- Fixing screws not supplied



Colour	Code
White Sash-Lok - locking	JBC356/W1
Brown Sash-Lok - locking	JBC356/B1
White Sash-Lok - non locking	JBC356NL/W1
Brown Sash-Lok - non locking	JBC356NL/B1

Spare Key JBC337



CAM-LOK HD High security

Heavy duty for increased security

Tested to BS 7950: 1997 revised issue 3, 2007 (Enhanced Security Performance). The unique features of the Cam-Lok HD integrated security range of Vertical Sliding Sash products includes:

Cam-Lok HD

- Heavy Duty Zinc Die Cast & Stainless Steel construction
- Captive Hook Retention
- Key Locking
- Available in White, Gold, Chrome, Brushed Stainless Steel or Black

Tilt latch and operating buttons

- Unique Deadlocking Buttons
- Available in White, Gold, Chrome, Brushed Stainless Steel or Black
- Tilt Latches available in White or Brown, LH, RH

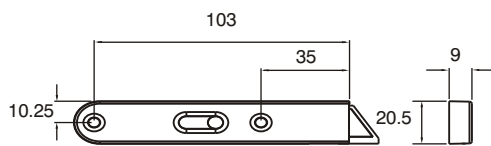
Sash blocks

- Durable Nylon Polymer construction
- Available in White or Black

Parts list

Description	Finish	Ref No
Cam-Lok HD BS7950	White	JBC788/W1
Cam-Lok HD BS7950	Gold or Chrome	JBC788/G1 or C1
Cam-Lok HD BS7950	Brushed steel	JBC788/BS
Cam-Lok HD BS7950	Black	JBC788/BK
Cam-Lok keep HD (8.5mm) slim	White	JBC790/8.5/SLM/W1
Cam-Lok keep HD (8.5mm) slim	Gold	JBC790/8.5/SLM/G1
Cam-Lok keep HD (8.5mm) slim	Chrome	JBC790/8.5/SLM/C1
Cam-Lok keep HD (8.5mm) slim	Brushed steel	JBC790/8.5/SLM/BS
Cam-Lok keep HD (8.5mm) slim	Black	JBC790/8.5/SLM/BK
Cam-Lok keep HD (8.5mm) standard	White	JBC790/8.5/STD/W1
Cam-Lok keep HD (8.5mm) standard	Gold	JBC790/8.5/STD/G1
Cam-Lok keep HD (8.5mm) standard	Chrome	JBC790/8.5/STD/C1
Cam-Lok keep HD (8.5mm) standard	Brushed steel	JBC790/8.5/STD/BS
Cam-Lok keep HD (8.5mm) standard	Black	JBC790/8.5/STD/BK
Cam-Lok keep HD (11.5mm) slim	White	JBC790/11.5/SLM/W1
Cam-Lok keep HD (11.5mm) slim	Gold	JBC790/11.5/SLM/G1
Cam-Lok keep HD (11.5mm) slim	Chrome	JBC790/11.5/SLM/C1
Cam-Lok keep HD (11.5mm) slim	Brushed steel	JBC790/11.5/SLM/BS
Cam-Lok keep HD (11.5mm) slim	Black	JBC790/11.5/SLM/BK
Cam-Lok keep HD (11.5mm) standard	White	JBC790/11.5/STD/W1
Cam-Lok keep HD (11.5mm) standard	Gold	JBC790/11.5/STD/G1
Cam-Lok keep HD (11.5mm) standard	Chrome	JBC790/11.5/STD/C1
Cam-Lok keep HD (11.5mm) standard	Brushed steel	JBC790/11.5/STD/BS
Cam-Lok keep HD (11.5mm) standard	Black	JBC790/11.5/STD/BK
Deadlock button	White	JBC795/W1
Deadlock button	Gold or Chrome	JBC795/G1 or C1
Deadlock button	Brushed steel	JBC795/BS
Deadlock button	Black	JBC795/BK
Sash block	White	JBC796/W1
Sash block	Black	JBC796/BK
Tilt latch	White	JBC253W1LH or RH
Tilt latch	Brown	JBC253BRLH or RH

Spare Key **JBC438**

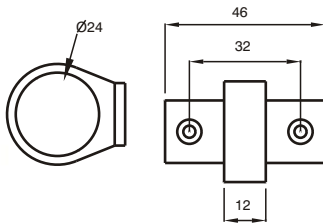


Tilt latches and tilt stops

Tilt latches

- Available in White or Brown
- Nylon and 300 series stainless steel construction

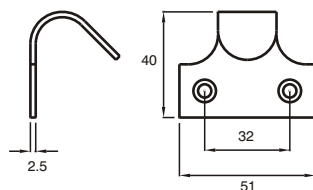
Knobs, Sash Lifts and Pull Rings



Finger Rings

Code

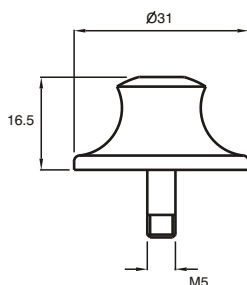
Black	JBC336/BK
Brushed Steel	JBC336/BS
Chrome	JBC336/C1
Gold	JBC336/G1
Polished Brass	JBC336/PB
White	JBC336/W1



Sash Lifts

Code

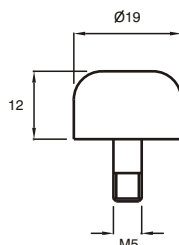
Black	JBC346/BK
Brushed Steel	JBC346/BS
Chrome	JBC346/C1
Gold	JBC346/G1
White	JBC346/W1



Tilt Latch Knob (Bottom Sash)

Code


Black	JBC390/BK
Brushed Steel	JBC390/BS
Chrome	JBC390/C1
Gold	JBC390/G1
White	JBC390/W1



Concealed Tilt Latch Knob (Top Sash)

Code

Available in silver anodised only	JBC388/A
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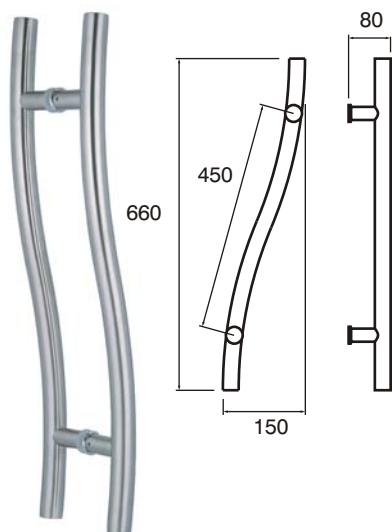
The background of the page is a photograph of a dark-colored door. Three modern, rectangular door handles are mounted on the door. Two are light grey and one is dark grey. The handles have a sleek, minimalist design with a vertical orientation. The lighting is soft, highlighting the textures of the door and the handles.

Section 6 - Architectural hardware

The UK manufactured range of door furniture and accessories from J.Banks has been specifically designed to reflect the latest market requirements for both style and quality.

The modern and stylish range of J.Banks architectural door products incorporates the high quality Irving Bi-fold Operating Handle, together with a choice of styles for Entrance Door Handles and Push Pad handles.

To complement the door lever furniture styles, the range of accessory options includes Cylinder Pulls, Toilet Roll Holders, Hat and Coat Hooks, Door Stops and Limiting Stays.

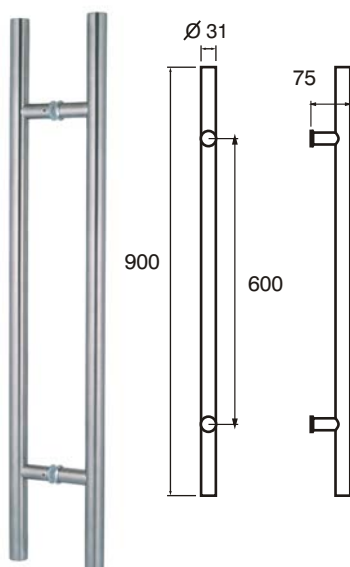


Stainless steel handles

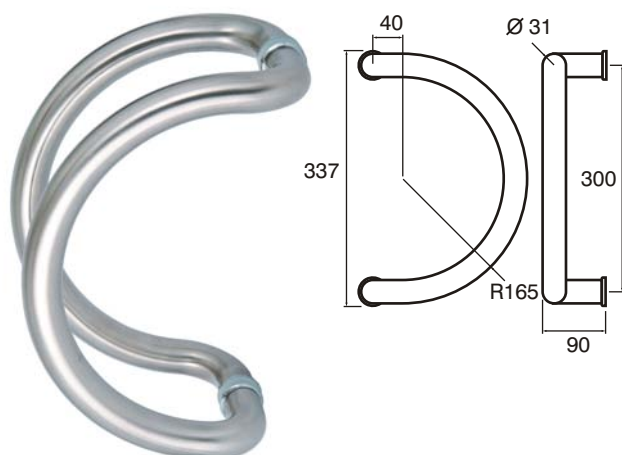
A wide range of distinctively styled handles designed to complement any commercial or retail entrance.

- High grade Stainless Steel construction
- Choice of stylish handle designs
- Secure back to back fixing
- All fixings supplied
- Satin or polished finish as standard

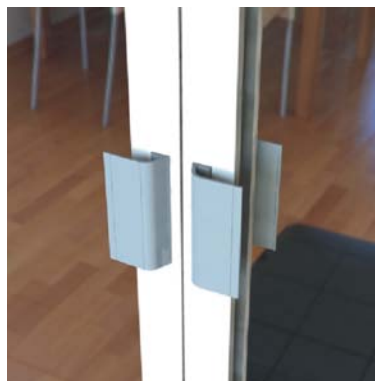
Description	Code
Swept Handle	JBA061SSS
Swept Handle	JBA062PSS



Description	Code
Straight Handle	JBA065SSS
Straight Handle	JBA066PSS



Description	Code
Half Moon Handle	JBA063SSS
Half Moon Handle	JBA064PSS

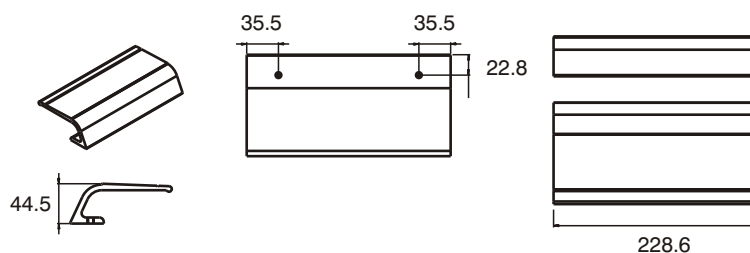


Aluminium pad handles

Ideally suited for all commercial applications requiring simple bolt through fixing.

- Solid Extruded Aluminium
- All fixings supplied
- Standard finishes, white, black powder coated, silver anodised or mill finish
- Supplied in pairs

Description	Code
Mill finish	JBC286
White	JBC286/W
Black	JBC286/BK
Anodised	JBC286/A
Standard Fixings Kit	JBC286/KIT

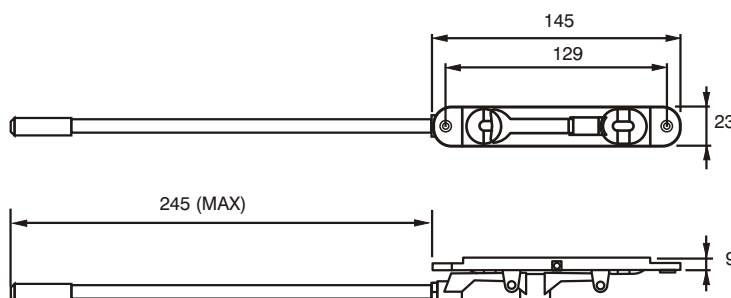


Flush Bolts

- High quality flush bolts
- Effective lever action dead locking
- Durable and hardwearing finish
- Finishes: Satin Chrome, Powder coated White, Black or Bronze



Description	Code
Flush Bolt (Satin Chrome)	JBA010SC
Flush Bolt (White P/Coat)	JBA010W1
Flush Bolt (Black P/Coat)	JBA010BK1
Flush Bolt (Bronze P/Coat)	JBA010BX





Ancillary items

To accompany the Webb Lloyd lever and pull handles, a full range of ancillary items are available.

Cylinder Pulls	Code
Available in aluminium	
Blank cylinder pull	06/00
Round hole cylinder pull	06/10
Oval union profile cylinder pull	06/11
Euro yale profile cylinder pull	06/12
Key hole profile cylinder pull	06/13

Hat & coat hooks	Code
Available in aluminium	
Hat & coat hook	03/10
Hat & coat hook with buffer	03/11
Coat hook	06/12
Coat hook with buffer	06/13

Toilet roll holder	Code
Available in polished & satin finish	
Toilet roll holder	13/001

Door stops

Wall mounted door stops	Code
Available in aluminium & stainless steel	
50mm door stop secret fixing	05/14
63mm door stop secret fixing	05/15
76mm door stop secret fixing	05/16

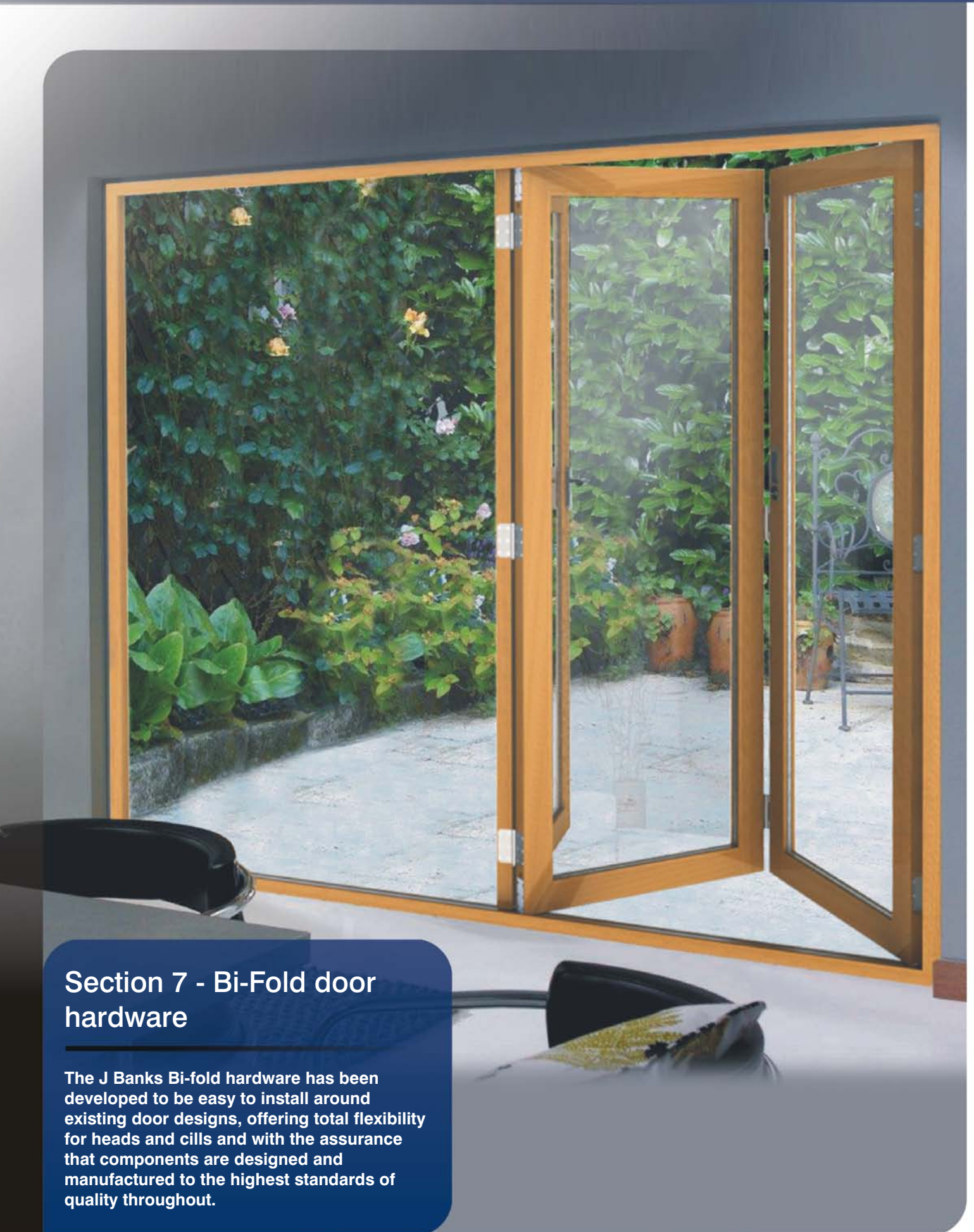
Floor mounted door stops	Code
Available in aluminium & stainless steel	
05/001 small door stop	05/001
05/002 large door stop	05/002
05/18 35mm floor door stop for concrete or wood	05/18
05/20 47mm floor door stop for concrete or wood	05/20

Magnetic Door Stops

- Visually unobtrusive
- Protected against corrosion
- Maintenance free
- Stronger than standard magnets
- Available in Black, White & Grey
- Supplied in pairs
- Available in two sizes

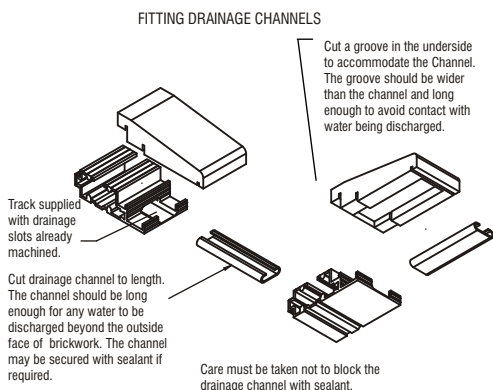
Colour	Small mm 24mm (l) x 25.4mm (dia)	Large 71mm (l) x 25.4mm (dia)
White	JBC939/W1	JBC820/W1
Black	JBC939/BK	JBC820/BK
Grey	JBC939/GR	JBC820/GR





Section 7 - Bi-Fold door hardware

The J Banks Bi-fold hardware has been developed to be easy to install around existing door designs, offering total flexibility for heads and cills and with the assurance that components are designed and manufactured to the highest standards of quality throughout.



Bi-Fold door hardware

Roller & Guide Assembly

- High performance sealed needle roller bearings
- Machined Acetyl tyres & guide rollers
- Integral high performance stainless steel hinges
- Designed to suit various door thicknesses
- Open in or open out configurations
- Allen key height adjustment
- Low maintenance

Track Assembly

- Black anodised track
- Standard 3 metre length
- Dual track design for increased stability
- Design allows for on-site adjustment of jambs

Track Extension Joint

- Unique track extension joint
- Specifically designed for door apertures wider than 3m
- Precision jointing method ensures smooth operation
- Unobtrusive and easy to install

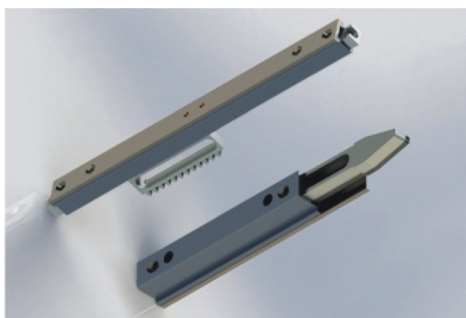
Drainage Channel

- Unique drainage channel design
- Track supplied with pre-machined drainage channels
- Effective and reliable water discharge system

Magnetic Door Stops

- Visually unobtrusive
- Protected against corrosion
- Maintenance free
- Stronger than standard magnets
- Available in Black, White & Grey
- Supplied in pairs
- Available in two sizes

Colour	Small mm 24mm (l) x 25.4mm (dia)	Large 71mm (l) x 25.4mm (dia)
White	JBC939/W1	JBC820/W1
Black	JBC939/BK	JBC820/BK
Grey	JBC939/GR	JBC820/GR



Bi-Fold door hardware

Hinges

- Stainless steel hinges
- High performance
- Low maintenance

Flush Operating Handle

- Available with the option of a polished or brushed Stainless Steel body
- Integral pull handle design feature
- 5 disc locking cylinder for improved security
- Textured operating knob

Shoot Bolt Locking Point & Gearbox

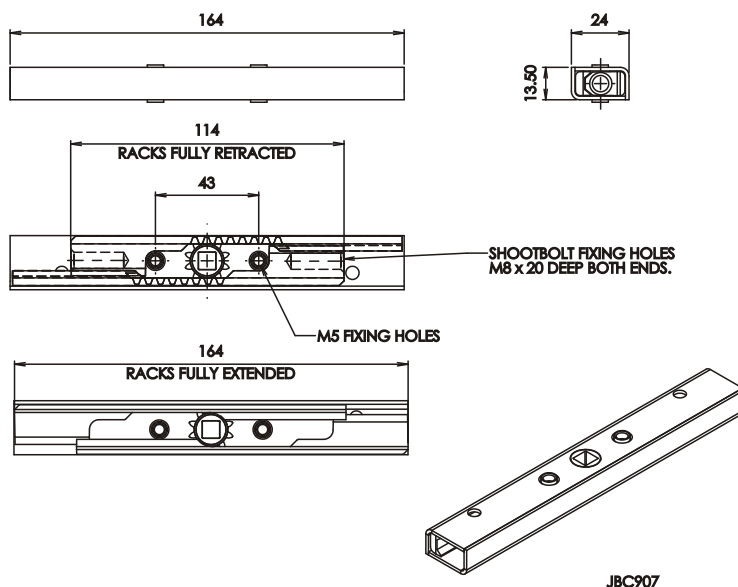
- Solid Die Cast & Stainless Steel construction
- Nylon coated lock points
- Adjustable Shoot bolt engagement
- PVC cover strip

Irving

Shoot Bolt Gearbox

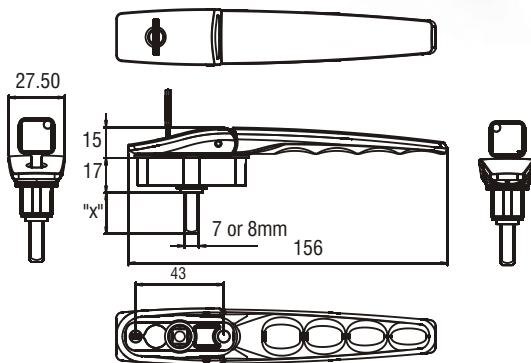
For use with the Irving Bi-fold operating handle

Colour	Left hand	Right hand
Self colour	JBC907/LH	JBC907/RH





Dimensions



Bi-Fold door hardware

Irving

Bi-fold operating handle

Designed and manufactured in the UK, the stylish new IRVING operating handle incorporates a patented key locking mechanism, anti-finger trapping design and a unique key safe mishandling feature.

The super slim styling and aesthetically pleasing design of the latest operating handle is underlined by a solid and fully tried and tested die cast construction and locking mechanism, ensuring a consistently smooth and reliable lifetime performance.

The IRVING handle is available in a variety of spindle lengths and sizes to suit specific profiles and is available in a range of standard finishes, with the option of bespoke colours or finishes upon request.

Part Number	Description	Finish
JBC918/***/W1	Irving Bi-fold Handle	White
JBC918/***/BK	Irving Bi-fold Handle	Black
JBC918/***/BR	Irving Bi-fold Handle	Brown
JBC918/***/C1	Irving Bi-fold Handle	Chrome
JBC918/***/BS	Irving Bi-fold Handle	Brushed Steel
JBC918/***/S1	Irving Bi-fold Handle	Scratchless Silver
JBC918/KEY	Spare Key	

**Denotes Spindle Length
* Denotes Spindle Size A/F

Also available

Irving Shoot Bolt Gearbox



Section 8 - Plastic products

J.Banks has an established and high quality plastic injection moulding department. J. Banks experience and technical skills are readily available, ensuring that every aspect of the project is fully supported at every stage, using the latest CAD/CAM technology together with Rapid Prototyping facilities. The current machine capacity ranges from 22 tonnes up to 220 tonnes.

J.Banks also manufacture a number of plastic products, particularly for the construction industry and for packaging.

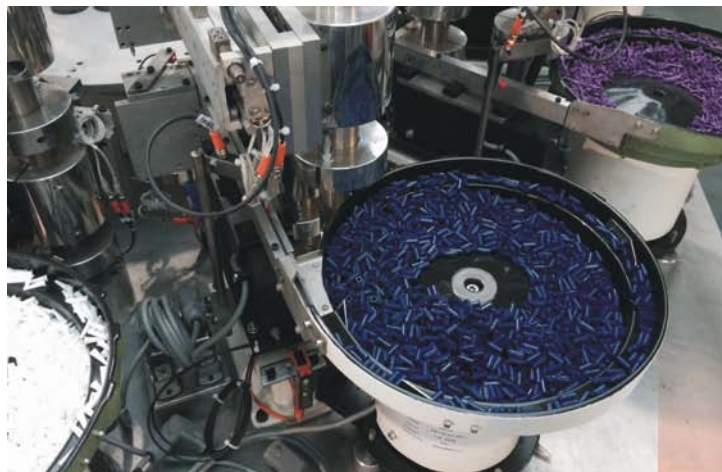
Plastic injection moulding

The Plastic injection moulding division of J. Banks has a well-established reputation for supplying high quality plastic injection mouldings across a wide range of industries, spanning Construction, Electronics, Decorative, Hardware, Automotive, Catering and Engineering products. The company's ethos is based on a close working relationship with all of its customers, from design concept through to delivery. J. Banks experience and technical skills are readily available, ensuring that every aspect of the project is fully supported at every stage, using the latest CAD/CAM technology together with Rapid prototyping facilities.

J. Banks operates a policy of continuous investment in modern state of the art plant and equipment, with current machine capacity ranging from 22 tonnes up to 220 tonnes. The commitment to new technology ensures that the very latest material and moulding techniques are systematically incorporated into the company's production processes, ensuring that J. Banks consistently delivers an unrivalled package of expertise and service, specifically designed to provide complete customer satisfaction.

In order to cater for specific customer requirements, the company is geared to offer total flexibility, from the production of small batch quantities, through to high volume scheduled output. The comprehensive range of machinery includes:

- Computer aided design service
- Rapid prototyping
- Competitive tooling
- Mould flow analysis software
- Small batch and low cost tooling options
- High efficiency, precision injection moulding
- Machine capacities from 22 tonne to 220 tonne
- Assured delivery to customer schedules



Plastic products

Trays

A comprehensive range of ridged white polystyrene catering trays.



Part Numbers	Tray Size (LxWxD)	Qty
PT1	305 x 152 x 22mm	1
PT2	311 x 241 x 22mm	1
PT3	356 x 254 x 22mm	1
PT4	356 x 254 x 51mm	1
PT5	381 x 152 x 22mm	1
PT6	406 x 305 x 22mm	1
PT7	432 x 279 x 38mm	1
PT8	457 x 356 x 22mm	1

Building products

Pile Cage Spacers

A range of heavy duty pile cage spacers providing 50 or 75mm of concrete cover. The products accommodate bar sizes from 6-20mm and are usable in sub zero temperatures.

Part Numbers	Concrete Cover	Bar Diameter mm	Bag Qty	Pallet Qty
PW50-6/20	50	6 to 20	200	5000
PW75-6/12	75	6 to 12	100	2500
PW75-6/20	75	6 to 20	100	2500

'A' Frame Spacer

A range of heavy duty spacers providing concrete cover from 20-50mm, accommodating bars in the range of 6-20mm diameter.

Part Numbers	Concrete Cover	Bar Diameter	Bag Qty	Pallet Qty
AF 20-6/12	20	6 to 12	2000	40,000
AF 25-6/12	25	6 to 12	1000	40,000
AF 25-8/20	25	8 to 20	1000	30,000
AF 30-8/20	30	8 to 20	1000	30,000
AF 35-8/20	35	8 to 20	1000	20,000
AF 40-8/20	40	8 to 20	1000	20,000
AF 45-8/20	45	8 to 20	1000	15,000
AF 50-8/20	50	8 to 20	1000	15,000

Bar Grip Spacer

A range of heavy duty spacers offering multi directional concrete cover from 25-50mm, accommodating bars in the range of 6-20mm diameter.

Part Numbers	Concrete Cover	Bar Diameter mm	Bag Qty	Pallet Qty
BG 25-8/12	25	8 to 12	1500	30,000
BG 30-13/20	30	13 to 20	1000	20,000
BG 40-13/20	40	13 to 20	500	10,000
BG 45-13/20	45	13 to 20	400	8,000
BG 50-13/20	50	13 to 20	300	6,000

Fence Post Spacer

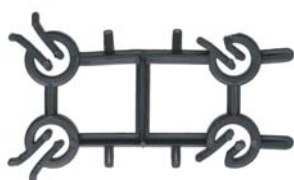
A range of fence post spacers for slotted and plain posts. This product enables fast accurate spacing of reinforcing bars ranging from 4-8mm diameter.

Part Numbers	Description	Bag Qty	Pallet Qty
FPS 4x4	100/50x100 Slotted Posts	2000	40,000
FPS 5x4	100/50x125 Slotted Posts	1500	40,000
FPS 125x125	5" x 5" Square	500	10,000
FPS 100x100	4" x 4" Square	100	10,000

Light Weight Grade Plate Spacer

This light weight dual cover spacer has a large circular base for greater stability and resistance to puncturing membranes. The unique clip and grip feature also enables this product to be used horizontally.

Part Numbers	Concrete Cover	Bar Diam mm	Bag Qty	Pallet Qty
GSG40/50	40 to 50	6 to 20	200	6000





Spider Bar Spacer

A range of general purpose spacers offering multi-directional concrete cover from 10-25mm, accommodating bars in the range of 3-12mm diameter.

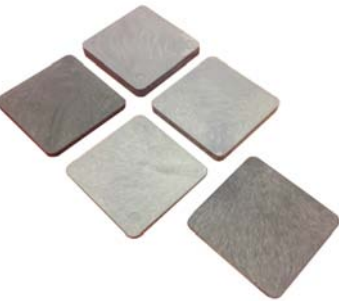
Part Numbers	Concrete Cover	Bar Diam mm	Bag Qty	Pallet Qty
SP 10-3/6	10	3 to 6	5000	100,000
SP 15-4/8	15	4 to 8	5000	100,000
SP 20-6/10	20	6 to 10	3000	45,000
SP 25-6/10	25	6 to 10	2500	50,000
SP 25-8/12	25	8 to 12	2500	50,000



Safety End Caps

Highly visible heavy duty safety caps, designed to help prevent injury from protruding metalwork. They accommodate bar sizes from 6-40mm and are usable in sub zero temperatures.

Part Numbers	Bar Diameter mm	Bag Qty	Pallet Qty
CAP SMALL 6/18	6 to 18	250	10,000
CAP LARGE 16/32	16 to 32	250	10,000
CAP XLARGE	25 to 40	100	4000



Plain Levelling Shims

Plastic packing plates used to align heavy section steel and pre-cast concrete sections. Manufactured from high strength, impact modified plastic; they are able to withstand high loads without distortion or breakage and are resistant to corrosion. Different spacing may be achieved by mixing products across the range.

Part Numbers	Thickness mm	Dimensions L x W mm	Bag Qty
SHIM 02	2	70 x 70	250
SHIM 03	3	70 x 70	250
SHIM 05	5	70 x 70	125
SHIM 07	7	70 x 70	125
SHIM 09	9	70 x 70	125



Wedge Washer

The wedge washer is designed to correct a 20 degree taper angle. It enables angled concrete sections to be bolted together using an 8mm bolt.

Part Numbers	Description	Box Qty	Pallet Qty
SF001	8mm Wedge Washer	5000	150,000 Euro Pallet

3 Clip Gravel Board Spacer

Made from Nylon 6 and is a cost-effective alternative to metal. For use in concrete fencing gravel boards, they absorb shock and vibration. Available in 278mm lengths in grey.

Part Numbers	Description	Length mm	Box Qty	Pallet Qty
GBS3CLIP	3 Clip Gravel Board Spacer	278mm	1000	20,000



Packaging products

Buckles

This product is designed exclusively for use with plastic strapping and does not require any tensioning or crimping equipment. The strap is simply looped through the buckle and is tensioned by hand.

Part Numbers	Description	Box Qty	Pallet Qty
BUCK 12HD	12mm Heavy Duty Natural	1000	130,000
BUCK 12HDBB	12mm Heavy Duty Black	1000	130,000
BUCK 12HDBB/2000	12mm Heavy Duty Black	2000	144,000

Expanding Corner Protectors

This range of tough, durable corner protectors accommodate corner thicknesses of 18-70mm. These products may be used in conjunction with plastic or steel strapping, adhesive tapes, staples or even nails.

Part Numbers	Side Length mm	Expansion Length mm	Box Qty	Pallet Qty
CP/PRO/EXP/MED/BLACK	56x56	18-40 Medium Black	1000	25,000
CP/PRO/EXP/MED/RED	56x56	18-40 Medium Red	1000	25,000
CP/PRO/EXP/LGE/BLACK	87x87	35-70 Large Black	250	6250
CP/PRO/EXP/LGE/RED	87x87	35-70 Large Red	250	6250
CP/PRO/EXP/LGE/YELLOW	87x87	35-70 Large Yellow	250	6250

Open Corner Protector

A tough, durable product offering excellent impact protection to corners. This protector may be used in conjunction with plastic or steel strapping, adhesive tapes, staples or even nails. For increased protection two products may be used on a single corner.

Part Numbers	Side Length mm	Depth mm	Box Qty	Pallet Qty
CP/PRO	65x65	30	1000	25,000

Edge Protector

Used with steel or plastic strapping to protect vital edges from banding damage. This product may also be used to protect the banding from being damaged by sharp edges.

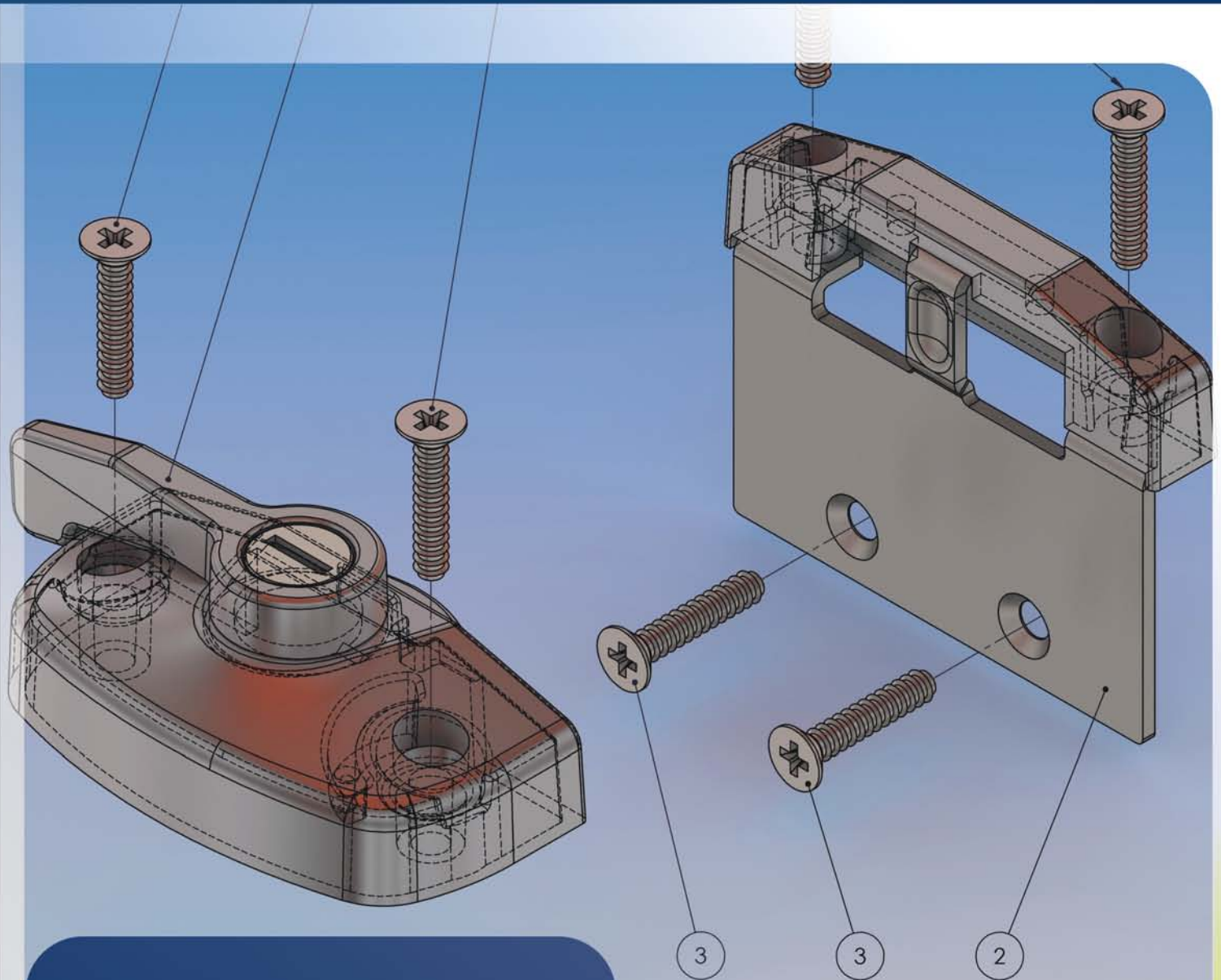
Part Numbers	Max Strap Width	Width x Overhang	Box Qty	Pallet Qty
EP/SMALL	20	33x25	2000	144,000
EP/MED	30	40x35	1000	72,000
EP/EX.L	40	60x60	1000	30,000

Multiclip

This unique fastener will secure a variety of different shaped objects. It has both industrial and domestic applications. The multiclip can provide up to 100Kg of securing force without the need for tools and is adjustable to fit diameters of between 10-100mm. Larger diameters can be accommodated by joining a number of these clips together.

Part Numbers	Description	Unit Qty
WON40019	Complete Assembly (1 Piece Saddle)	1
WON40018	Complete Assembly (2 Piece Saddle)	1
WON40002	Nut	1
WON40008	Saddle 2 Piece	1
WON40010	Strap	1
WON40009	New Saddle 1 Piece	1





Section 9 - Technical and manufacturing services

J Banks offer a complete range of manufacturing and engineering services that are designed to accommodate the specific requirement of our customers and industry standards. From original concept through to finished products, we can provide a full turnkey facility, which includes CAD/CAM Design, rapid prototyping, product development, state of the art production facilities and on time delivery scheduling. Our design and development department provides a comprehensive range of technical services, together with a wealth of industry and engineering knowledge and experience. Design, development and manufacturing in the UK facility are all managed under the combined management system that covers BS EN ISO 9001, 14001 and 18001.

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Co. Limited			



Manufacturing Services

CNC Precision Turned Parts, Presswork, VMC Machining, Metal Finishing

With a programme of continuous investment in the very latest state of the art equipment, J.Banks can provide complete in house facilities across a wide range of bespoke engineering services, all of which are designed to meet the expectations and specific requirements of the customer. From original concept through to finished product, J.Banks can provide a full turnkey facility, which includes CAD/CAM Design, Product Development, Rapid Prototyping, High Quality Production and On Time Delivery Scheduling.

Manufacturing services include:

- Highly qualified and experienced engineers and designers
- Full design and development service
- Extensive prototyping facilities
- High quality, high efficiency component manufacturing
- BS EN ISO 9001:2008
- BS EN ISO 14001:2004
- Latest CNC and Vertical Machining Centres
- Competitive pricing
- Reliable and Flexible delivery options

Vibratory deburring machines

- Deburring
- De-flashing
- De-scaling
- De-greasing
- De-rusting
- Polishing

CNC Turning

- 10 Fully automated bar machine turning centres
- Sliding head capabilities (long slender parts)
- Cross working power tools
- 1-32mm Diameters x 1 metre in length
- Wide range of materials from plastics to high tensile steels
- Latest technology with CAD programming
- 24 Hour running

Zinc Pressure Die casting

The company's Zinc Alloy Pressure Die casting division employs high efficiency Zinc Die casting technology using the very latest in 'state of the art' machinery. The company has built up a strong reputation for high quality castings, a comprehensive range of sub contract services and a flexible approach to cater for individual customer requirements.

Machine Specifications

80T FRECH DAW 80F

- Computer programmable
- Fully automatic operation
- 80 Tonne locking force
- Advanced Electronic systems
- Precision repeatable programming

Production Services

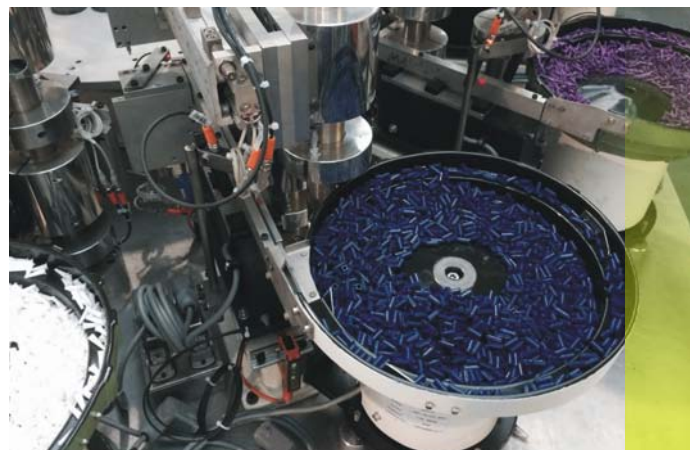
Comprehensive integrated facilities

- Small pad work a speciality
- Low cost tooling options
- Short lead time for tooling
- CNC & VMC machining centres
- Complete range of production and sub-assembly processes including presswork, drilling, milling, tapping, riveting, finishing and packaging

- Precision auto aluminium cut off machines

Plastic Injection Moulding

- Computer Aided Design service
- Rapid Prototyping
- Competitive tooling
- Mould flow Analysis Software
- Small batch and low cost tooling options
- High efficiency, precision injection moulding
- Machine capacities from 22 tonne to 220 tonne
- Assured delivery to customer schedules



Technical services

Research and development

Employing the very latest design software, the J. Banks Design and Development department provides a comprehensive range of technical services, together with the knowledge and experience to accurately interpret customer's specific requirements. The department can also provide an invaluable first port of call for customers requiring highly skilled technical input and advice in the development and feasibility testing of new products and design projects.

Finite element analysis

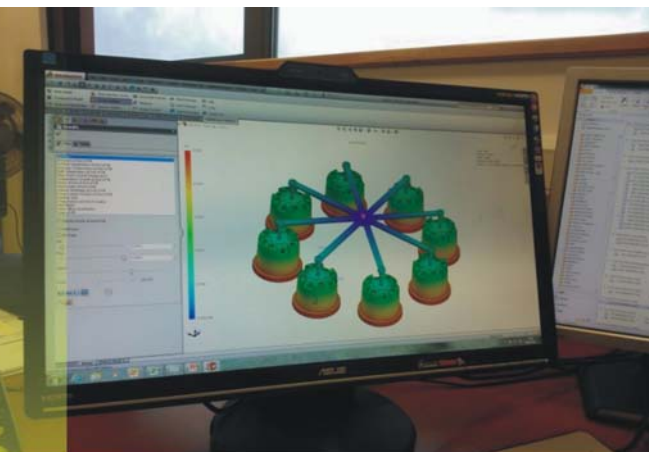
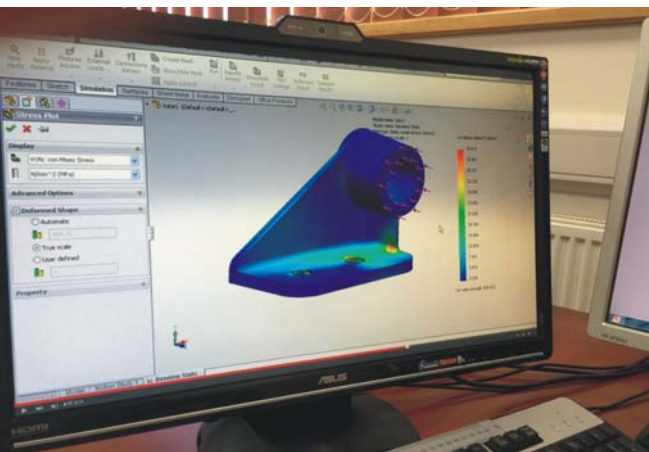
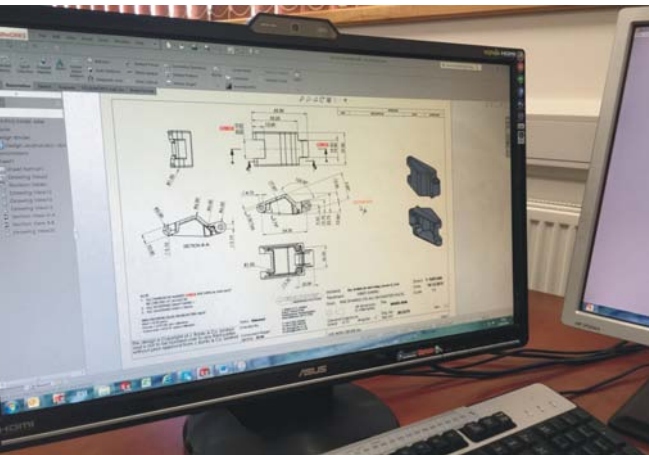
J. Banks engineers utilise structural simulation on parts and assemblies with finite element analysis (FEA) while they work to improve and validate the product's performance, reducing the need for costly design and tooling changes at a later date.

Plastics flow simulation

Plastics Flow simulation software helps J. Banks to predict and optimise product and mould design, avoid manufacturing defects during the earliest stages of part and mould design, eliminating costly mould rework, improving part quality, and decreasing time to market.

Rapid prototyping

The use of its in house rapid prototyping dramatically reduces the design and development cycle, improves communication and collaboration, resolves issues between design, engineers and customers.



CAD/CAM, CNC

CAD/CAM applications have direct links to design data, allowing Development Engineers and Technicians to develop products, processes and machining fixtures with optimal accuracy. The software packages employed generate the most efficient toolpath to give repeatable production cycles at optimum cost. The Development Engineers work closely with Design Engineers and tooling suppliers to optimise product and process design to satisfy customer demands.



Product Testing

In-house product testing allows Product Designers and Development Engineers to evaluate and validate product designs throughout the design process. This facility allows design options to be fully tested prior of prototypes and production products prior to costly 3rd party validation tests. The ability to test product is key to offering a cost effective design that satisfies the ever increasing demand of the market place.



Typical Development Projects carried out on Customer Bespoke products and J. Banks Hardware.

- Window restrictors; concealed, face fix, locking, non-locking cable type
- Hinges for Aluminium, timber and PVCu
- Bi-fold door rolling hardware
- Bi-fold door locking hardware
- Bi-fold door handles
- Patio door rollers, fixed and adjustable
- Limiting stops for doors and windows
- Window and door cleats, diecast zinc, aluminium and pressed
- Precision turned part assemblies
- Precision VMC machined assemblies and components
- Plastic injection moulded ancillary components for the window and door industry
- Plastic Injection moulded components and assemblies for the construction and packaging industries
- High performance injection moulded assemblies for the electronics industries





Hardware Solutions

J Banks & Co Ltd. Unit A, Vernon Park, Cannock Road,
Featherstone, Staffordshire, WV10 7HW

Tel. +44 (0)1902 864 863 **Fax.** +44 (0)1902 864 926 **Email.** sales@jbanks.co.uk **Web.** www.jbanks.co.uk