The New Bolota 316 Specification range of door hardware is a very modern and sleek range of Marine Grade 316 stainless steel ironmongery in 15 stylish lever designs in both Satin and Polished finishes plus some textured options.

The Bolota 316 range also now incorporates our New ‘Bolota Academy’ range (page 7) that has been developed for the education market, laboratories and swimming pool projects where a heavy usage, robust quality and high corrosion resistant ironmongery is required. The Academy range has unique rose fixings with support lugs and non removeable security bolts for secure fixing and long-term maintenance.

OTHER PRODUCT RANGES
The product ranges available to us are quite simply vast and allows us to specify ranges and product brands that are required to meet the ongoing architectural needs. We source all our product ranges from some of the world’s largest manufacturing companies and we are continuously seeking out and developing new products and brands to offer our client base.

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SERVICE
Our sales team are on hand to offer guidance and detailed advice throughout all stages of the contract from the scheduling of the project, to detailed master keying system, offering on site technical assistance to maintenance advice at the end of the contract. All our ironmongery is delivered to site by our own transport system and all items are packed and clearly labelled in door sets free of charge. Upon completion of the project, Acorn issues a fully detailed maintenance advice manual along with schedules and master key charts to assist the end user in the maintenance of the ironmongery supplied.

Our showroom in Cambridge displays over 100 designs of door furniture in various finishes ranging from traditional stainless steel to special finishes such as real bronze and polished nickel.
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**SPECIFICATION**

- Unsprung lever furniture on 52 x 4mm concealed slimline bearing roses
- Lever handles are prefixed to the rose by hi-tensile circlip fixing
- Supplied with Torx head back to back fixing bolts
- Spindle and bolt through fixings supplied to suit doors 35-54mm thick
- Safety levers comply with the dimensional requirements of BS8300
- Category of use class 3/4 EN1906 for use on fire rated doors to BS EN1634
- Manufactured from high corrosion resistance grade 316 stainless steel
- 25 year guarantee
- Safety lever handle variations as follows: 19mm dia (AB316-01) 22mm dia (AB316-01A) 25mm dia (AB316-01B) 16mm dia (AB316-01C)

**FINISHES**

- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request
ESCUTCHEONS AND BATHROOM TURNS

**AB316-411**
52 x 4mm Euro Cylinder Escutcheon

**AB316-412**
52 x 4mm Oval Cylinder Escutcheon

**AB316-413**
52 x 4mm Keyhole Escutcheon

**AB316-414**
52 x 4mm Blank Escutcheon

**AB316-415**
52 x 4mm Standard Bathroom Turn

**AB316-416**
52 x 4mm Bathroom Emergency Release

**AB316-417**
52 x 4mm Accessible Large Turn

**AB316-418**
52 x 4mm Architectural Bathroom Turn
PRODUCT CODES

- AB316-401AC - 19mm Safety Lever on Rose
- AB316-402AC - 22mm Safety Lever on Rose
- AB316-411AC - 52 x 4mm Euro Cylinder Escutcheon Set
- AB316-415AC - 52 x 4mm Standard Bathroom Turn & Release Set
- AB316-416AC - 52 x 4mm Standard Bathroom Turn & Release Set (White/Red Indicator)
- AB316-417AC - Accessible Large Bathroom Turn & Release Set
- AB316-419AC - Accessible Large Bathroom Turn & Release Set (White/Red Indicator)
- AB316-421AC - 85 x 50 Euro Cylinder Pull
- AB316-422AC - 85 x 50 Euro Cylinder Pull and Escutcheon
- AB316-852 - Coat Hook (See Page 20)

SPECIFICATION

- Designed for the education market and areas where robust, non-removable, high-corrosion resistant ironmongery is required.
- Supplied with Torx Pin Head Security Bolts.
- No removable clip-on roses or escutcheons.
- Un-sprung lever handles on 52 x 4mm slimline bearing roses. One side face-fixed bolts other with concealed security lugs.
- Spindle supplied for 35-54mm thick doors.
- Safety levers comply with the dimensional requirements of BS8300.
- Manufactured from high-corrosion resistant Marine Grade 316 stainless steel.

FINISH

- Satin stainless steel
- Polished stainless steel
SPECIFICATION

- Solid pull handles
- Manufactured from high corrosion resistance Grade 316 stainless steel
- Standard sizes stated. Other sizes to order.
- Cranked and specials can be made to order
- Various diameters available
- Glass fixings available if required - Code: AB316-GF
- Secret face-fixing available - Code: AB316-SF
- See opposite page for fixing options
- Fixings to suit doors 35 - 54mm thick as standard

FINISHES

- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request

AB316-501
Straight Pull Handle
DIAMETERS:
16mm, 19mm, 22mm
25mm and 32mm
CENTRES:
150mm, 225mm, 300mm
425mm, 600mm, 650mm
900mm and 1000mm

AB316-502
T-Bar Pull Handle
DIAMETERS:
16mm, 19mm, 25mm
32mm and 38mm
CENTRES:
300mm, 425mm, 600mm,
650mm, 900mm, 1000mm
1200mm, 1500mm, 1800mm
and 2000mm

AB316-503
Mitred Pull Handle
DIAMETERS:
19mm, 25mm and 32mm
CENTRES:
300mm, 425mm, 600mm,
650mm, 900mm, 1000mm
and 1200mm
**AB316-504**
Flat Section Pull Handle

**DIAMETER:**
25mm x 6mm

**CENTRES:**
300mm, 425mm, 600mm and 1000mm

**AB316-505**
Oval Section Pull Handle

**DIAMETER:**
28mm x 16mm

**CENTRES:**
225mm, 300mm, 400mm, 600mm and 900mm

**AB316-506**
Oval Section T-Bar Pull Handle

**DIAMETER:**
28mm x 16mm

**CENTRES:**
225mm, 300mm, 400mm, 600mm and 900mm

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**FIXING OPTIONS**

- Back-To-Back
- Bolt Through
- Concealed Rose
- Cover Cap
PUSH PLATES AND KICK PLATES

PRODUCT CODES
• AB70-01 - 375 x 75mm
• AB70-02 - 500 x 75mm
• AB70-03 - 700 x 75mm
• AB70-04 - 375 x 100mm
• AB70-05 - 500 x 100mm
• AB70-06 - 700 x 100mm
• AB70-00 - Kicking Plates

SPECIFICATION
• Radius corners supplied as standard on all push plates unless otherwise advised.
• Square corners supplied as standard on all kicking plates unless otherwise advised.
• 1.5mm thick as standard. Other thicknesses available.
• Drilled and countersunk
• Engraved ‘Push’ Code: AB71
• Engraved ‘Pull’ Code: AB72
• Grade 304 or 316
• Other sizes to order
• Supplied with wood screws
• Self-adhesive fixings to order

FINISHES
• Satin stainless steel
• Polished stainless steel
PRODUCT CODES
- **AB81-101**
  Fire Door Keep Shut
- **AB81-102**
  Fire Door Keep Locked
- **AB81-103**
  Automatic Fire Door Keep Clear
- **AB81-104**
  Male Pictogram
- **AB81-105**
  Female Pictogram
- **AB81-106**
  Accessible Toilet Pictogram
- **AB81-107**
  Unisex Pictogram
- **AB81-108**
  Baby Change Pictogram
- **AB81-109**
  Shower Pictogram
- **AB81-110**
  WC
- **AB81-111**
  Push
- **AB81-112**
  Pull

SPECIFICATION
- 76mm Diameter
- 1.5mm thick
- Drilled and countersunk
- Grade 304
- Grade 316 available to order
- Supplied with wood screws

FINISHES
- Satin stainless steel
- Polished stainless steel
EUROPEAN CYLINDER LOCK CASE

PRODUCT CODES
- AB90-01 - Euro Sashlock Case
- AB90-02 - Euro Deadlock Case
- AB90-03 - Bathroom Lock Case
- AB90-04 - Latch Case
- AB90-05 - Euro Nightlatch Case
- AB90-06 - Euro Escape Sashlock Case
- AB90-07 - Euro Roller Bolt Lock Case
- AB90-INT - Intumescent Pack to suit Locks

SPECIFICATION
- CE marked
- Conforms to EN 12209
- 60mm backset & 72mm centres in line with guidance of BS8300 (Bathroom 78mm centres)
- Quick reversible latch action
- Single throw cylinder action
- Square or radius forend & strike plates
- Suitable for bolt through fixings lever handles
- Suitable for sprung and unsprung lever furniture
- Box strike plates included
- 13mm or 25mm rebates available – Code: AB90-13 or AB90-25
- Single throw deadbolt
- Suitable for FD30/FD60 fire doors

FINISHES
- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request
6 PIN EURO PROFILE CYLINDERS

PRODUCT CODES
- AB15-01ET - 40 or 45mm Single Cylinder
- AB15-02ET - 60 or 70mm Cylinder & Turn
- AB15-03ET - 60 or 70mm Double Cylinder
- AB15-04ET - Rim Cylinder
- AB15-15ET - Master Keys

SPECIFICATION
- 6 pin security restricted profile
- Patented until 2032
- Medium to high security applications
- EN1303 Grade 6 security & durability
- Drill and pick protected
- Comprehensive range of cylinder sizes available (Standard sizes stated)
- Sophisticated master keying capability
- Classroom function available (handed)
- Anti-barricade function available
- Construction keying available
- Supplied 2 keyed as standard

VARIATION
- AB15-A5 - High security system 10-pin flat key cylinder

FINISHES
- Satin nickel plated
- Polished nickel plated

Detailed line drawings and dimensions are available on request.
PRODUCT CODES
• AB20-01 - EN 2-4 Overhead Door Closer with Backcheck
• AB20-02 - EN 2-6 Overhead Door Closer with Backcheck
• AB20-03 - EN 2-5 Overhead Door Closer with Backcheck and Delayed Action
• AB21-01 - EN 4 Electro-magnetic Hold Open Door Closer
• AB21-02 - EN 4 Electro-magnetic Free Swing Door Closer

SPECIFICATION
• Roller bearing rack and pinion mechanism
• Fully compliant with EN1154 & EN1155
• CE marked
• Simple installation instructions
• Capable of meeting BS8300 requirements
• Closer cover secured by spring clips for quick installation and no visible fixings
• Fully adjustable for closing speed, latch action and backcheck.
• Radius or square cover options
• Plated steel covers

FINISHES
• Silver sprayed (SES)
• Satin stainless steel
• Polished stainless steel

Detailed line drawings and dimensions are available on request
DOOR CONTROLS

PRODUCT CODES

- **AB20-04** - EN 2-4 Cam Action Door Closer with Backcheck
- **AB20-05** - EN 2-5 Cam Action Door Closer with Backcheck and Delayed Action
- **AB21-03** - EN 3-5 Electro-magnetic Hold Open Door Closer

SPECIFICATION

- High performance cam action technology
- Track arm closer
- Fully compliant with EN1154 & EN1155
- CE marked
- Simple installation instructions
- Capable of meeting BS8300 requirements
- Closer cover secured by spring clips for quick installation and no visible fixings
- Fully adjustable for closing speed, latch action and backcheck.
- Radius or square cover options
- Push or pull side application
- Door or transom mounted
- Angle bracket for deep reveals - Code: AB20-06
- Plated steel covers

FINISHES

- Silver sprayed (SES)
- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request.
THRUST BEARING AND TRIPLE KNUCKLE HINGES

**THRUST BEARING HINGE**

**PRODUCT CODES**
- **AB10-05** - 102 x 76 x 3mm (Grade 13)
- **AB10-06** - 102 x 89 x 3mm (Grade 13)
- **AB10-07** - 102 x 102 x 3mm (Grade 13)
- **AB10-08** - 125 x 102 x 3mm (Grade 14)

**SPECIFICATION**
- CE marked
- BS EN1935
- Square or radius corners
- Grade 304
- Intumescent hinge pads – Code: AB10-HP
- Suitable for FD30/FD60 doors

**FINISHES**
- Satin stainless steel
- Polished stainless steel

**TRIPLE KNUCKLE HINGE**

**PRODUCT CODES**
- **AB10-10** - 100 x 88 x 3mm (Grade 13)
- **AB10-11** - 100 x 106 x 3mm (Grade 13)
- **AB10-12** - 100 x 88 x 3mm (Grade 13) Lift off hinge

**SPECIFICATION**
- CE marked
- BS EN1935
- Square or radius corners
- Maintenance free
- Suitable for FD30/FD60 doors
- Mild steel hinges
- Internal use only

**FINISHES**
- Satin zinc plated (SZP)
- Polished chrome (PCP)
- Bright zinc plated (BZP)
LEVER ACTION FLUSH BOLTS
- AB60-01 - 150 x 20mm
- AB60-02 - 200 x 20mm
- AB60-03 - 305 x 20mm
- AB60-04 - 450 x 20mm
- AB60-05 - 609 x 20mm
- AB60-06 - 904 x 20mm

SURFACE MOUNTED LEVER ACTION BOLTS (Satin Stainless Steel Only)
- AB60-10 - 200mm
- AB60-11 - 300mm
- AB60-12 - 600mm

SOCKETS
- AB60-15 - Easy Clean Floor Socket
- AB60-20 - Dust Excluding Socket (Wood)
- AB60-21 - Dust Excluding Socket (Concrete)

FINISHES
- Satin stainless steel - Grade 304
- Polished stainless steel - Grade 304
- Satin chrome plated (SCP)
- Polished chrome plated (PCP)
- Satin anodised aluminium (SAA)

Detailed line drawings and dimensions are available on request.
DOOR STOPS AND HOOKS

PRODUCT CODES

DOOR STOPS
- **AB61-01** - Large Floor Mounted (78mm Diameter)
- **AB61-02** - Standard Floor Mounted
- **AB61-03** - Pedestal
- **AB61-04** - Wall Door Stop on Rose (91mm Projection)
- **AB61-05** - Wall Door Stop without Rose (73mm Projection)
- **AB61-06** - Wall Door Stop on Rose (76mm Projection)
- **AB61-07** - Wall Door Stop on Rose (102mm Projection)

HOOKS
- **AB73-11** - Wall Mounted Coat Hook on Rose
- **AB73-12** - Wall Mounted Coat Hook
- **AB73-13** - Wall Mounted Coat Hook without Rose
- **AB73-14** - Wall Mounted Coat Hook on Rose with Buffer

SPECIFICATION
- Grade 304
- Grade 316 to order
- Supplied with wood screws as standard

FINISHES
- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request
FLUSH AND CYLINDER PULLS

PRODUCT CODES

- **AB55-01** - 100 x 50mm Flush Pull
- **AB55-02** - 90mm Diameter Flush Pull
- **AB55-05** - 120 x 40mm Flush Pull
  Also available:
  150 x 50mm (AB55-06)
  250 x 50mm (AB55-07)
- **AB55-08** - 150 x 75mm Flush Pull - Face Fixed
- **AB55-03** - 78 x 44mm Euro Cylinder Pull - Face Fixed
- **AB55-04** - 85 x 50mm Academy Euro Cylinder Pull - Bolt Through Fixings (Grade 316)

SPECIFICATION

- Grade 316

FINISHES

- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request.
BATHROOM FITTINGS

AB316-851
AB316-852
AB316-860
AB316-853
AB316-854
AB316-857
AB316-855
AB316-856
AB316-861
PRODUCT CODES
- AB316-851 - 43mm Projection Robe Hook on Rose
- AB316-852 - 45mm Diameter Academy Coat Hook
- AB316-853 - 35mm Projection Robe Hook
- AB316-854 - 40mm Projection Buffered Robe Hook
- AB316-855 - Single Towel Rail 540mm Centres
- AB316-856 - Double Towel Rail 560mm Centres
- AB316-857 - 2 Peg Hooks on Back Plate
- AB316-858 - 4 Peg Hooks on Back Plate
- AB316-859 - 6 Peg Hooks on Back Plate
- AB316-860 - 35mm Projection Robe Hook with Groove
- AB316-861 - Towel Ring
- AB316-862 - Single Toilet Roll Holder
- AB316-863 - Single Toilet Roll Holder on Plate
- AB316-864 - Double Toilet Roll Holder on Plate
- AB316-865 - Single Toilet Roll Holder
- AB316-866 - Double Toilet Roll holder

SPECIFICATION
- Marine Grade 316 stainless steel

FINISHES
- Satin stainless steel
- Polished stainless steel

Detailed line drawings and dimensions are available on request.
PANIC EXIT HARDWARE

PRODUCT CODES
- **AB35-01** - Standard Single Panic Bolt
- **AB35-02** - Standard Double Panic Bolt - Rebated Doors
- **AB35-03** - Standard Single Bar Panic Latch
- **AB35-04** - Push Pad Panic Latch
- **AB35-05** - Outside Access Device – Knob Version
- **AB35-06** - Outside Access Device – Lever Version
- **AB35-07** - Outside Mechanical Lever Digital Lock

SPECIFICATION
- Fully certified to EN 1125 & EN 179
- Site reversible
- Option for single or double doors
- Panic bolts suit doors up to 2500mm high and 1300mm wide
- Pullman latches available – Code AB35-110
- Strike Plates to suit Metal Doors – Code AB35-120
- Outside access devices suit doors 40-70mm thick

FINISHES
- Silver sprayed as standard (SE)
- Bright stainless steel
- Satin stainless steel

Detailed line drawings and dimensions are available on request.
FLOOR SPRINGS

PRODUCT CODES: FLOOR SPRING MECHANISMS
- AB20-10 - EN Size 3 Floor Spring Unit
- AB20-12 - EN Size 4 Floor Spring Unit
- AB20-14 - EN Size 1-4 Adjustable Power Floor Spring with Back Check
- AB20-16 - EN Size 3-6 Adjustable Power Floor Spring with Back Check and Delayed Action
- AB20-17 - EN Size 3-6 Adjustable Power Floor Spring - Electromagnetic Hold Open

PRODUCT CODES: ACCESSORIES
- AB20-20 - Double Action Accessory Pack
- AB20-22 - Single Action Accessory Pack
- AB20-24 - Suspension Box
- AB20-26 - Extended Spindles 5 - 50mm
- AB20-27 - Intumescent Packs

SPECIFICATION
- Suitable for single or double action doors
- High-grade cast iron floor spring body
- Low profile 40-54mm deep cement boxes
- Full adjustment of the mechanism for correct door alignment
- Adjustable closing speed, closing force and latching action
- Suitable for door weight up to 150kg - fixed power size units
- Suitable for door weight up to 300kg - adjustable power units
- CE Marked
- Fully Compliant to EN1154 & EN1155

FINISHES
- Satin stainless steel G316
- Polished stainless steel G316