

**halliday  
baillie**

ARCHITECTURAL HARDWARE

STAIR RAIL

BRACKETS

[hallidaybaillie.com](http://hallidaybaillie.com)



/ 316 STAINLESS STEEL



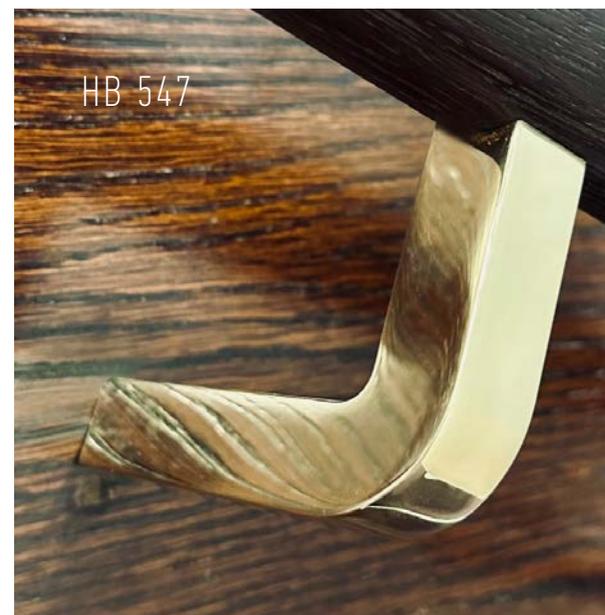
/ STAIR HARDWARE

## STAIR RAIL BRACKETS

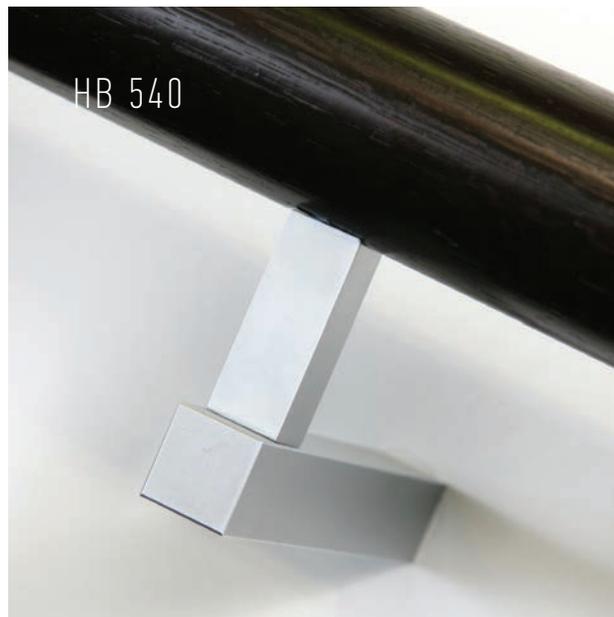
Our range of stair brackets comply with international building code standards without sacrificing any styling. Available in Stainless Steel, Brass, Aluminium, Bronze, and Brass our wide variety of stair brackets are both stylish and robust, with invisible fixings, and options for glass fixing.

See [hallidaybaillie.com](http://hallidaybaillie.com) for more details about glass fixing kits and video installation guides.

/ SOLID BRASS



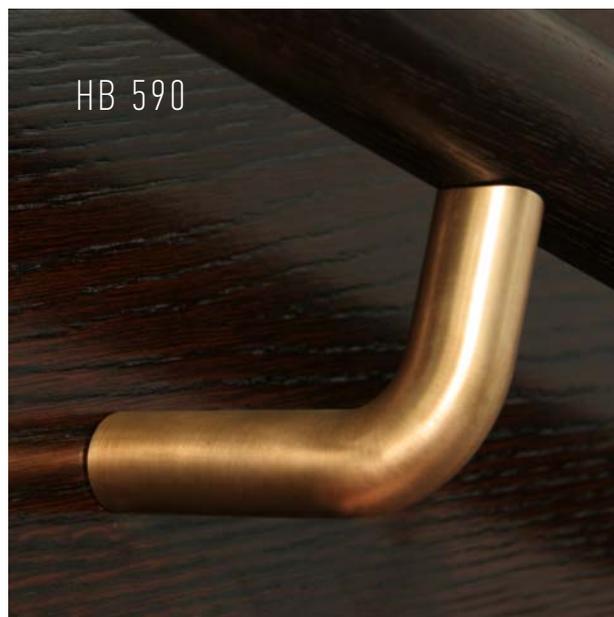
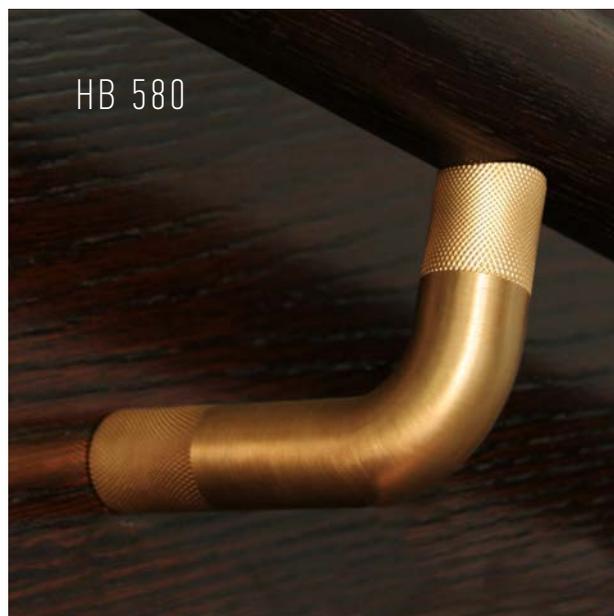
/ ALUMINIUM (available in various finishes)



/ ALUMINIUM (available in various finishes)



/ SOLID BRONZE



/ LIGHTING COMPATIBLE



ALUMINIUM (available in various finishes)



316 STAINLESS STEEL

see page 21 for more details



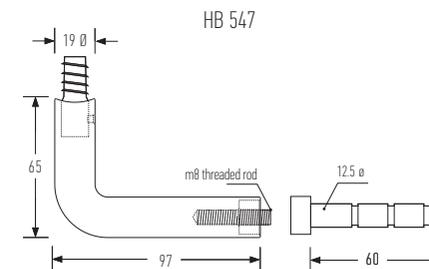
Meet the new HB 547 Solid Brass Stair Rail bracket, from the evolving range of brass hardware.

HB 547

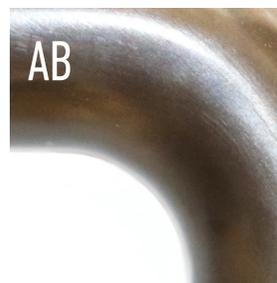
/ SPECIFICATIONS

# SOLID BRASS

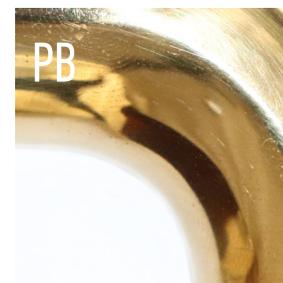
MODEL	DESCRIPTION	FINISH
HB 547	Plain Solid Brass Stair Rail Bracket	AB, PB, SB, KC



Available in solid brass finishes only, as listed below.



AB : Aged Brass



PB : Polished Brass



SB : Satin Brass

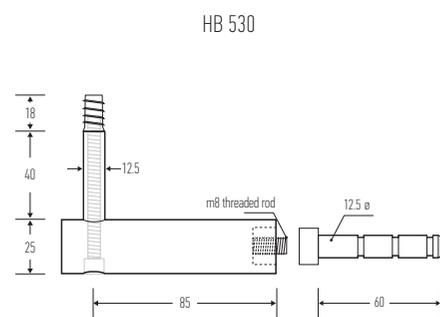
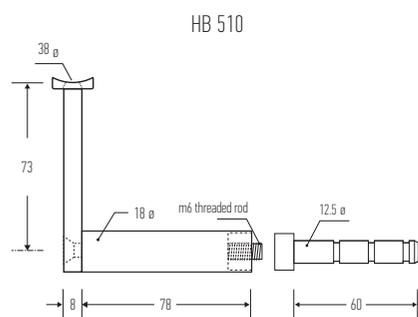


KC : Black Chrome

/ SPECIFICATIONS

# 316 STAINLESS STEEL

MODEL	DESCRIPTION	FINISH
HB 510	"T" Stair Rail Bracket cast in Solid 316 Stainless Steel (finish brushed)	316 Stainless Steel only
HB 530	Round Stair Rail Bracket milled in Solid 316 Stainless Steel	316 Stainless Steel only



HB 530

Glass Fixing Kits are sold separately and are additional to the stair rail bracket.



HB 512 - Glass Fixing Kit for HB 510



HB 533 - Glass Fixing Kit for HB 530

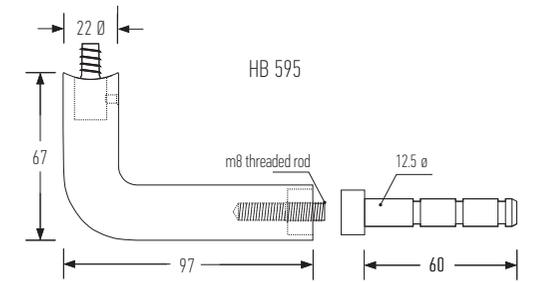
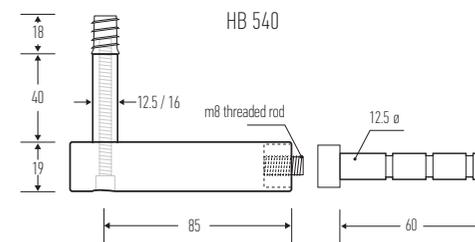
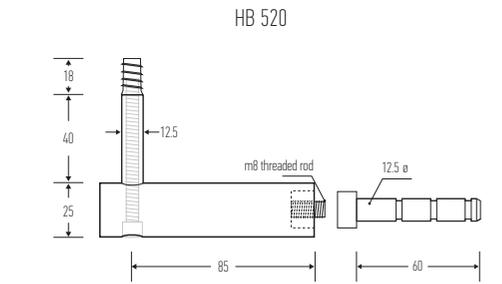
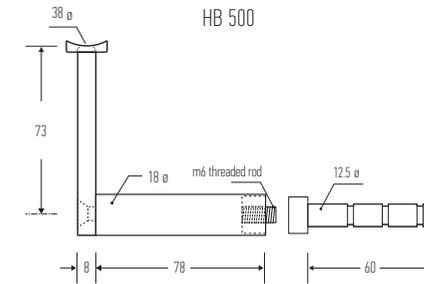


HB 500

/ SPECIFICATIONS

# ALUMINIUM BASE METAL

MODEL	DESCRIPTION	FINISH
HB 500	"T" Stair Rail Bracket Aluminium	Satin Chrome, plus other finishes
HB 520	Round Stair Rail Bracket, in Aluminium	Satin Chrome, plus other finishes
HB 540	Stair Rail Bracket, in Aluminium	Satin Chrome, plus other finishes
HB 595	Aluminium Stair Rail Bracket	Powdercoat only, see finishes sheet page 22



Glass Fixing Kits are sold separately and are additional to the stair rail bracket.



HB 502 - Glass Fixing Kit for HB 500



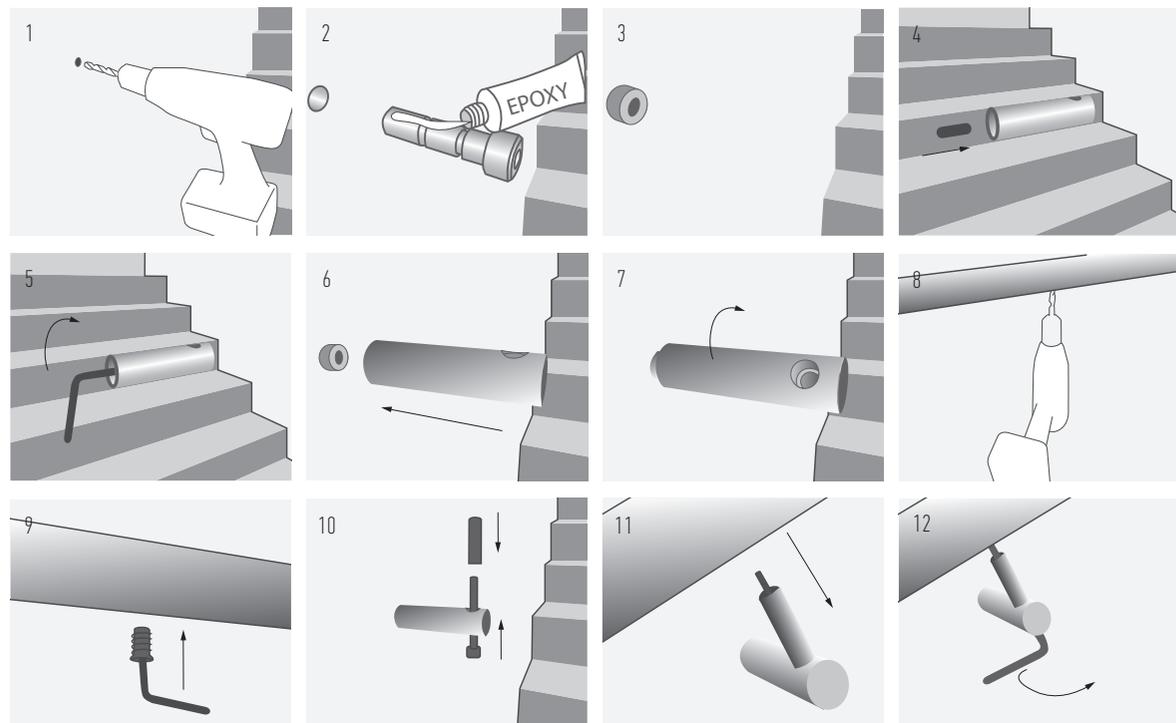
HB 522 - Glass Fixing Kit for HB 520/ HB 595



HB 542 - Glass Fixing Kit for HB 540

/ HB 520, HB 527, HB 528, 530, 540 STAIR BRACKETS

# INSTALLATION



Step 1 : Drill 12mm diameter hole.

Step 2 : Epoxy bond anchor in place (epoxy Sika products or Gorilla Grip to be provided by the client).

NOTE: We recommend having the bracket attached to the anchor for placement so the correct angle is achieved ready for the rail.

Step 3 : Let epoxy set.

Step 4 : Insert bolt connection rod to bracket offstand.

Step 5 : Screw the insert into the bracket offstand with M4 Hex wrench.

Step 6 : Place bolt connection into wall anchor.

Step 7 : Wind the barrel onto the anchor.

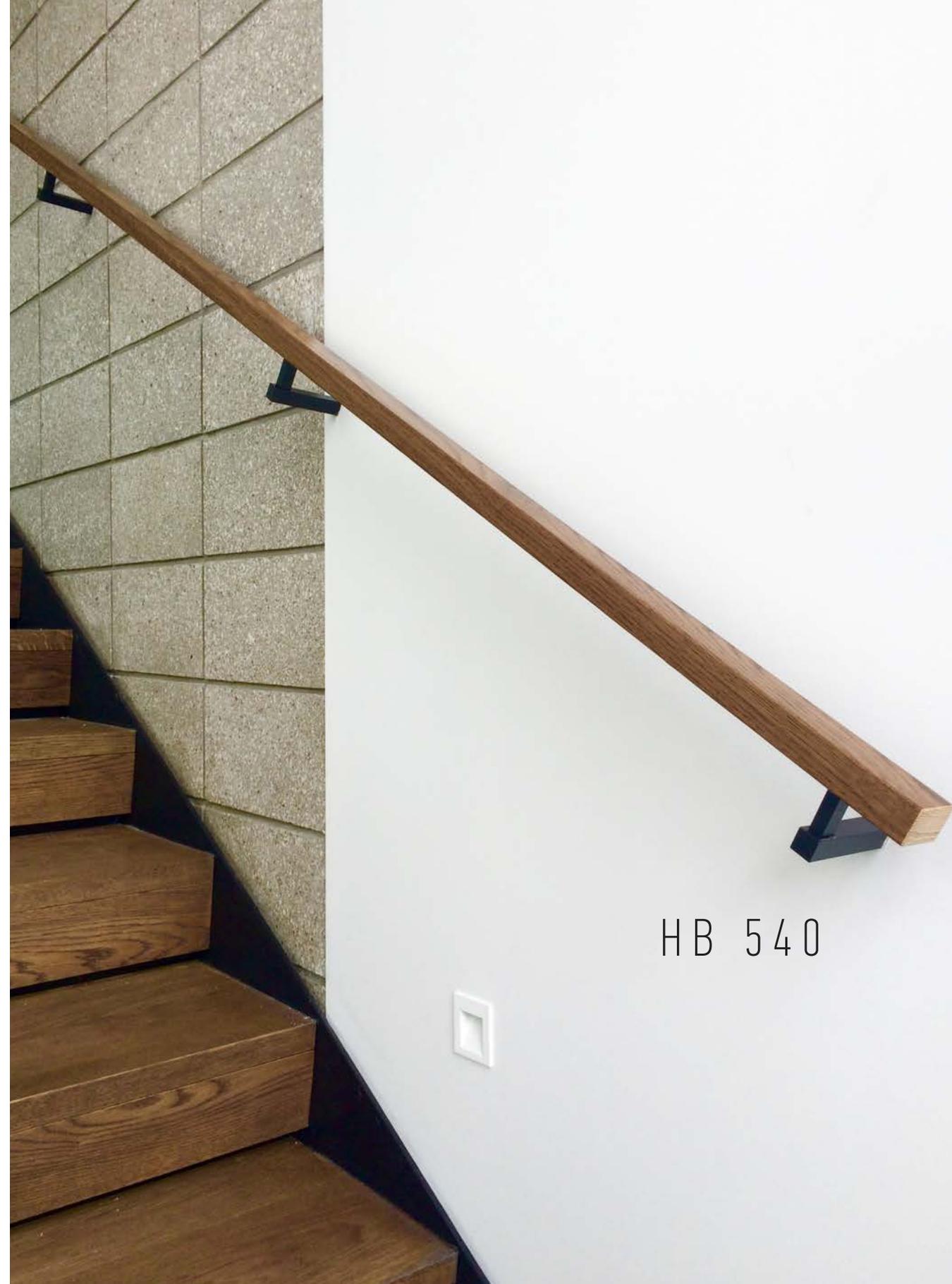
Step 8 : Drill a hole to suit M8 screw-in sleeve in the underside of the stair rail.

Step 9 : Screw the wood insert into the stair rail with a M8 hex wrench.

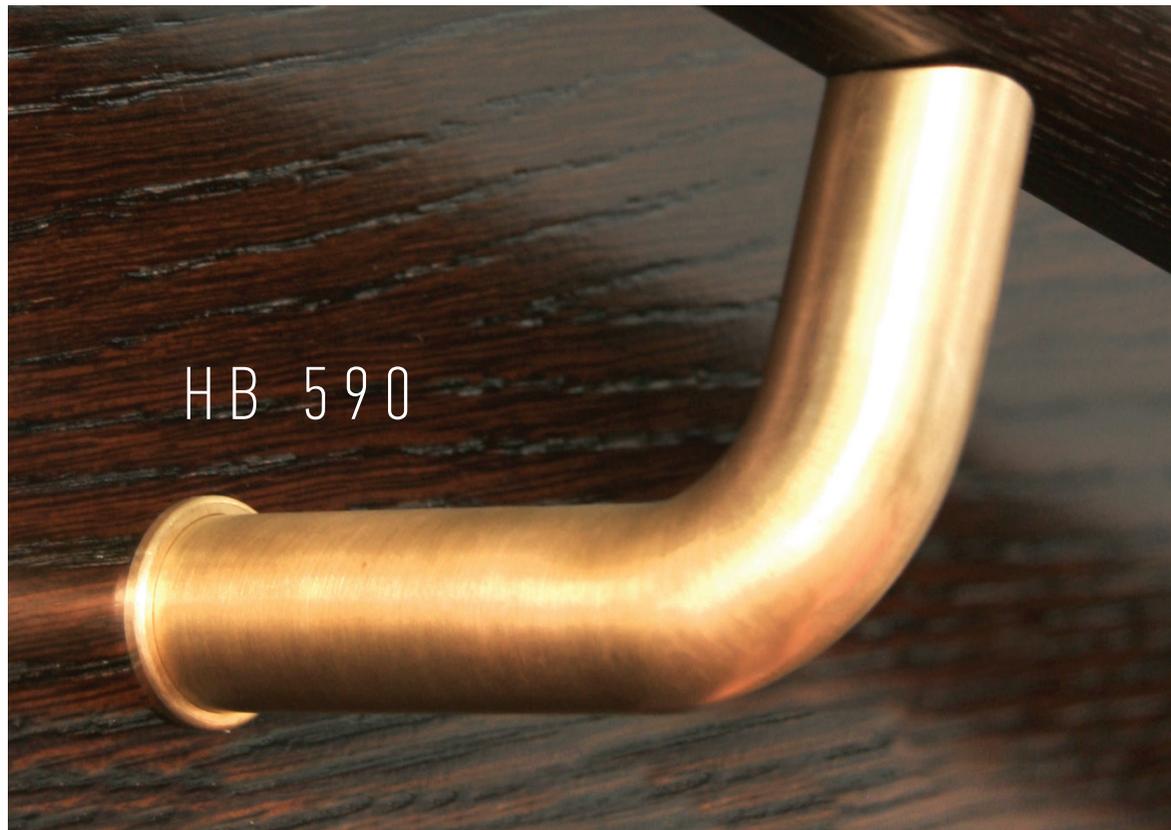
Step 10 : Assemble remaining stair rail bracket components while bracket is attached to wall.

Step 11 : Lower stair rail onto brackets making sure that long up stand bolt goes through bracket and into the screw in sleeve.

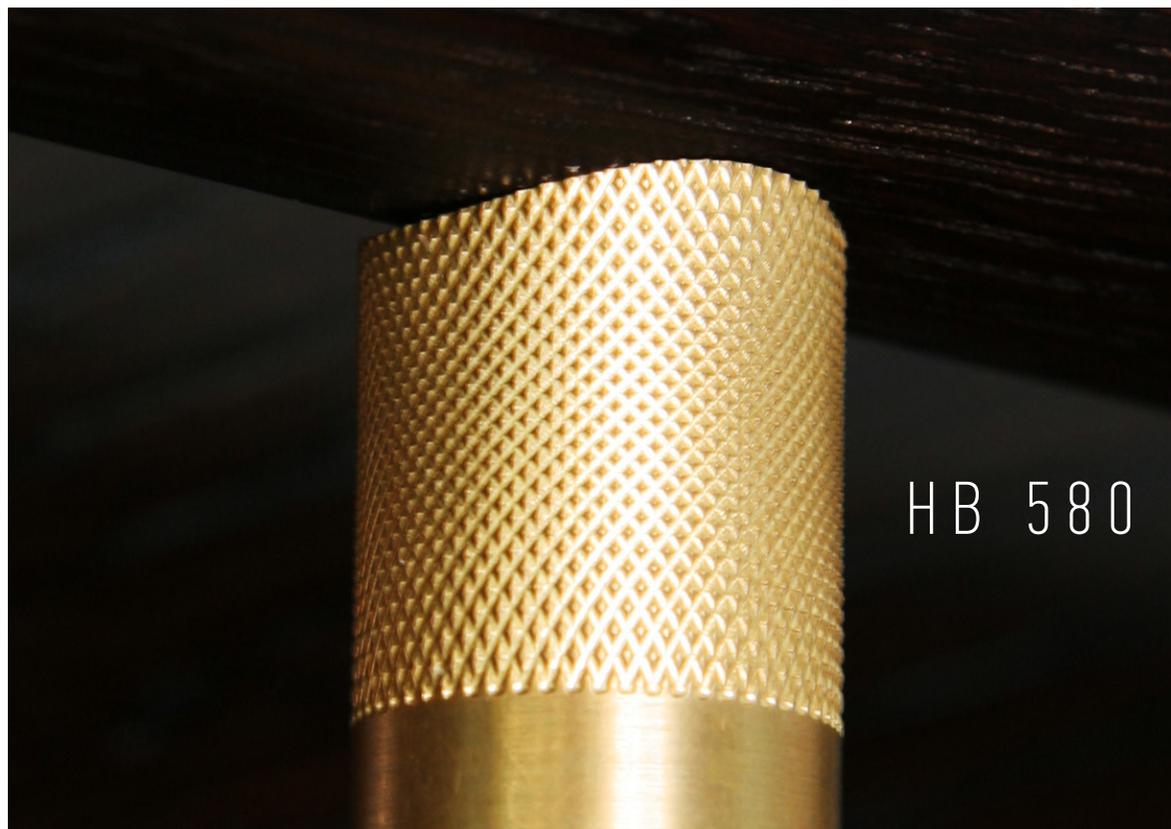
Step 12 : Screw up stand bolt into the stair rail with M6 hex wrench.



HB 540



HB 590

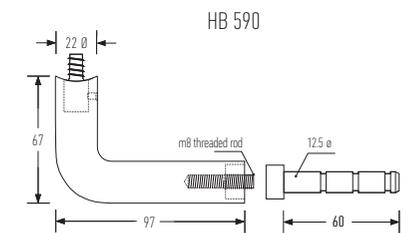
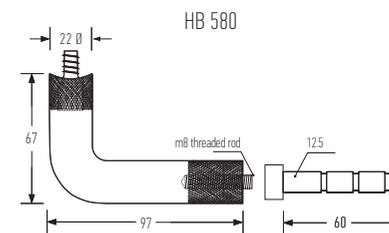


HB 580

/ SPECIFICATIONS

# SOLID BRONZE

MODEL	DESCRIPTION	FINISH
HB 580	Knurled Solid Bronze Stair Rail Bracket	RBR (Raw Bronze), only
HB 590	Plain Solid Bronze Stair Rail Bracket	RBR (Raw Bronze), only



Knurled



With rose

Without rose

HB 580

Plain

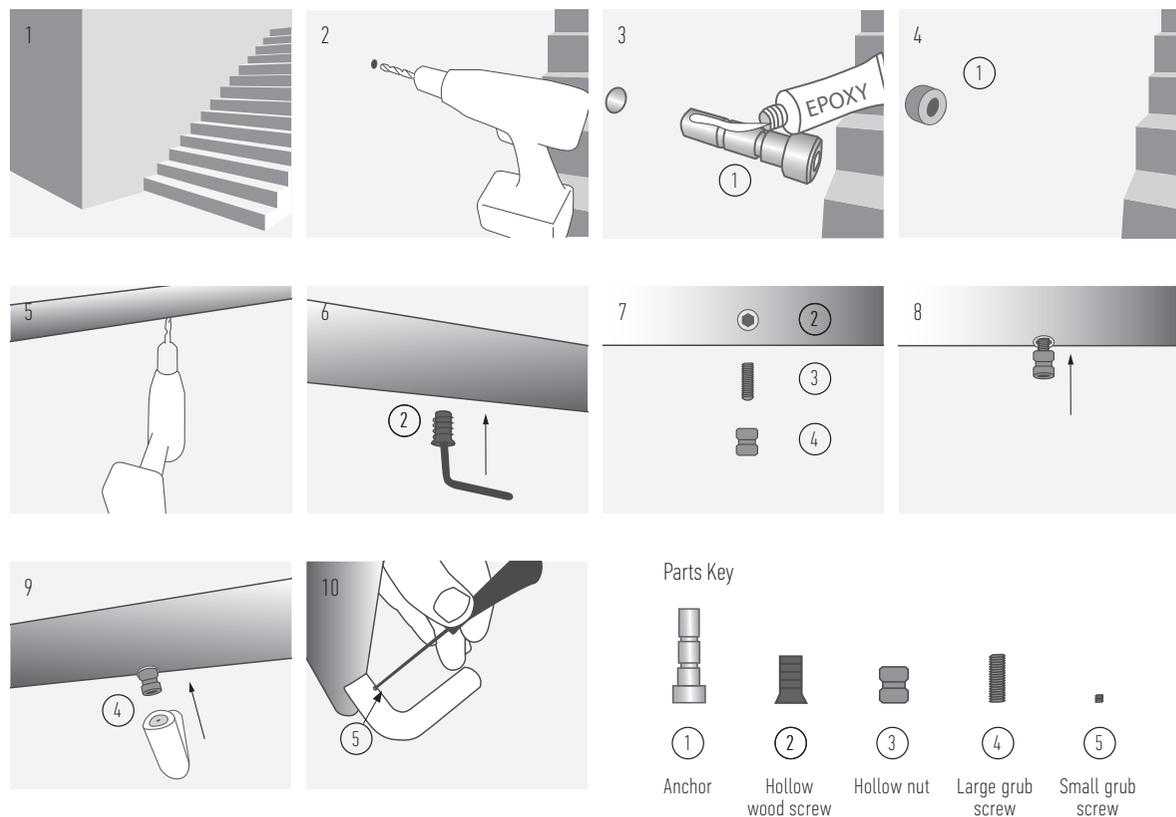


With rose

Without rose

HB 590

# INSTALLATION



Step 1 : Please ensure that your stairway has been prepared, so that brackets can be installed into a solid substrate such as a stud, nog, masonry block or other solid packing within the wall. NOTE : The same wall anchor is used for all substrate.

Step 2 : Drill 12mm diameter hole.

Step 3 - 4 : Epoxy bond wall anchor ① in place (epoxy Sika products or Gorilla Grip to be provided by the client). Let the epoxy set.

NOTE: We recommend having the bracket attached to the anchor for placement, so the correct angle is achieved ready for the rail.

Step 5 : Drill a hole to suit M8 screw-in sleeve in the underside of the stair rail.

Step 6 : Screw the wood insert ② into the stair rail with a M8 hex wrench.

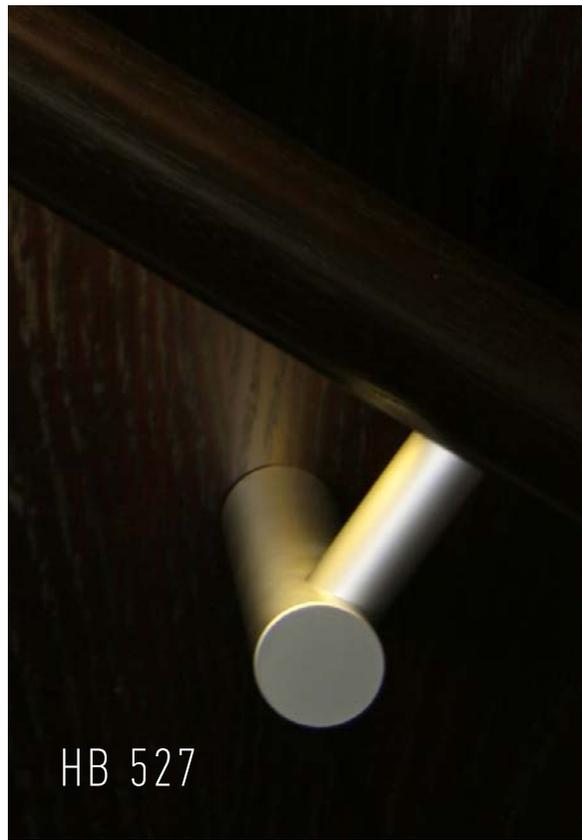
Step 7 : Insert the large grub screw ③ into the wood insert on stair rail.

Step 8 : Screw on hollow nut ④ that fits into top of stair bracket and receives the small grub screw in the bracket.

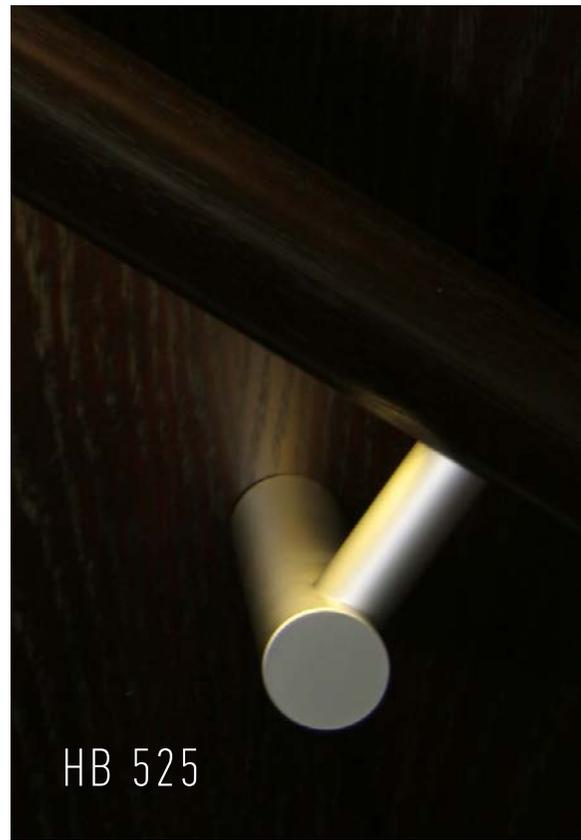
Step 9 : Line hand rail up with brackets, inserting the mounting kit into the top of the brackets with rail attached.

Step 10 : Then tighten grub screw ⑤ at the back of the stair rail bracket.

HB 590



HB 527



HB 525



HB 528

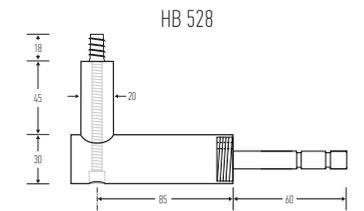
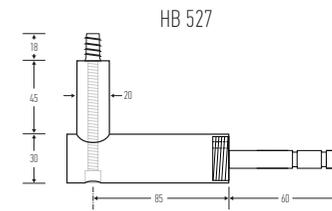
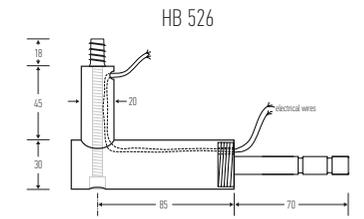
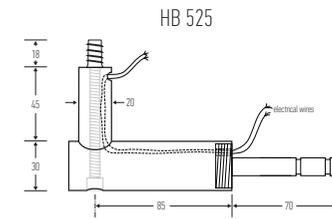


HB 526

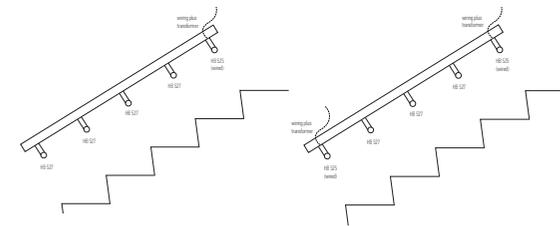
/ SPECIFICATIONS

# LIGHTING COMPATIBLE

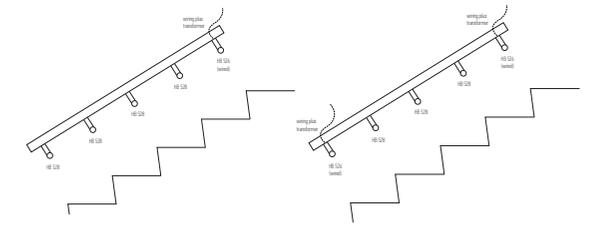
MODEL	DESCRIPTION	FINISH
HB 525	Stair Rail Brackets With Wiring Capability	Satin Chrome, and other finishes
HB 526	Stair Rail Brackets With Wiring Capability in solid 316 Stainless Steel	Stainless Steel only
HB 527	Stair Rail Bracket To Match HB 525	Satin Chrome, and other finishes
HB 528	Stair Rail Bracket To Match HB 526 in solid 316 Stainless Steel	Stainless Steel only



Designed and manufactured in New Zealand



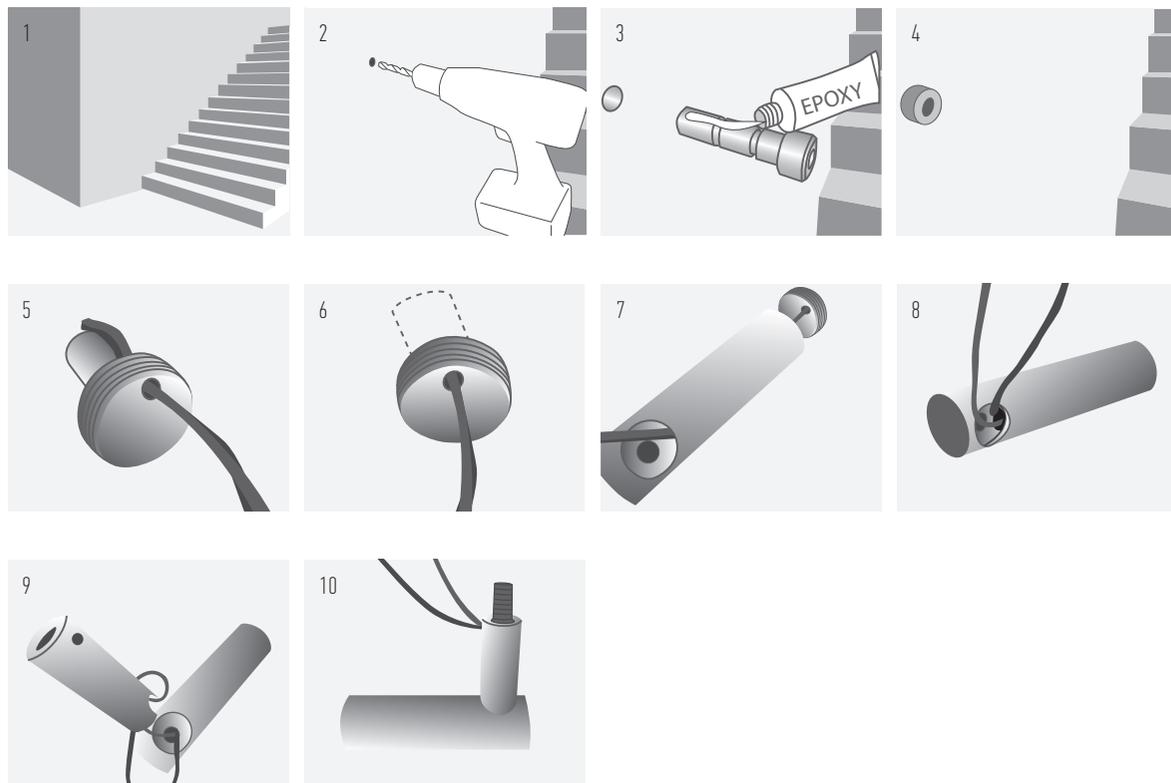
HB 525 + HB 527



HB 526 + HB 528

/ HB 525 & HB 526 LIT STAIR BRACKET

# INSTALLATION



Step 1 : Please ensure that your stairway has been prepared so that brackets can be installed into a solid substrate such as a stud, nog, masonry block or other solid packing within the wall. We recommend spacing of 600mm to 800mm centres.

Step 2 : Drill 12mm diameter hole

Step 3 : Epoxy bond anchor in place (epoxy Sika products or Gorilla Grip to be provided by the client)

Step 4 : Let epoxy set

Step 5 : Pull wiring through hole in wall and thread through small hole in wall bolt.

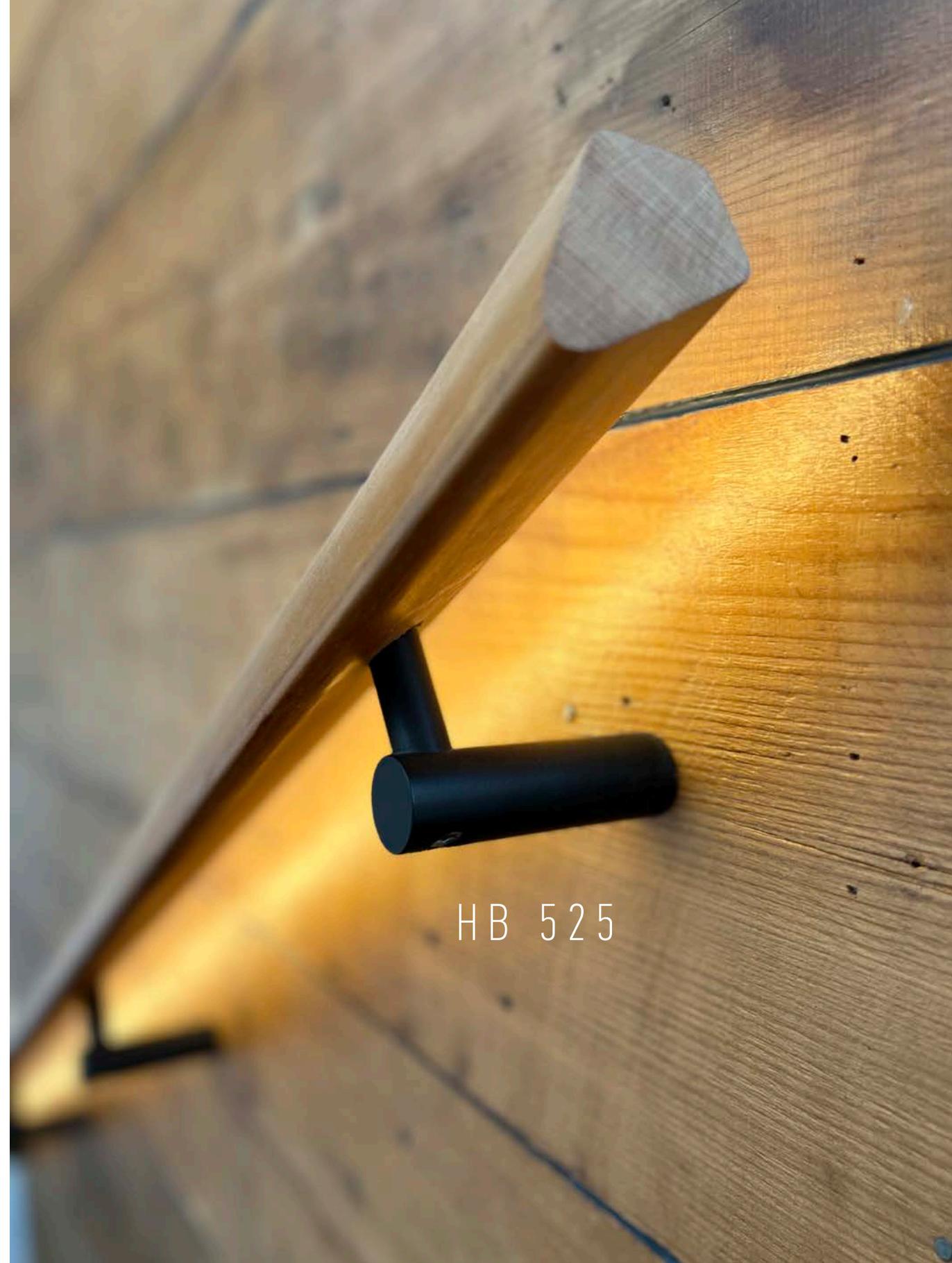
Step 6 : Push wall bolt firmly into wall (these will need to be epoxied in place for stability).

Step 7 : Thread protruding wires through the large wall off stand portion of the bracket.

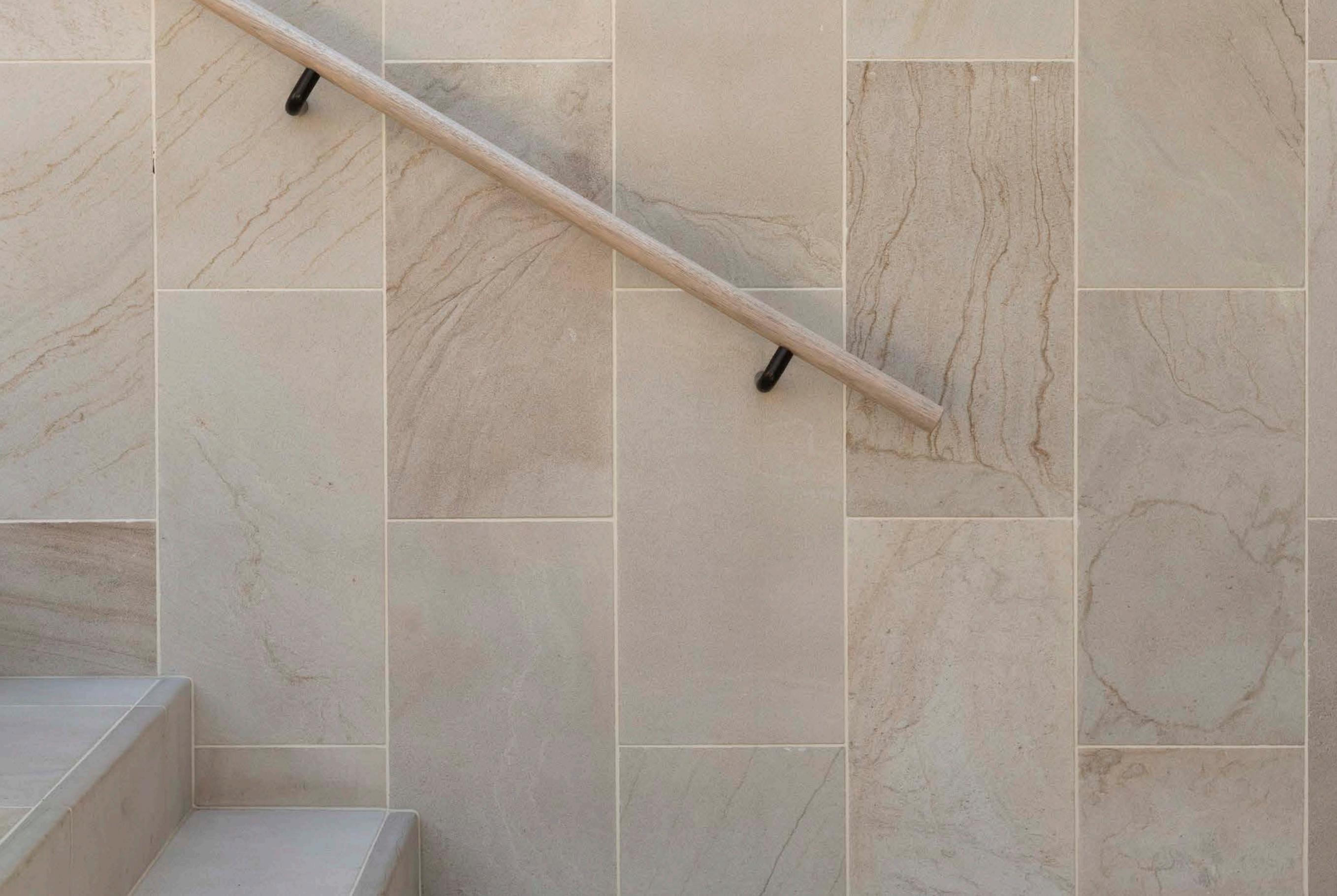
Step 8 : Screw wall off stand over wall bolt being careful to keep wires from twisting.

Step 9 : Thread wires through bracket up stand as shown.

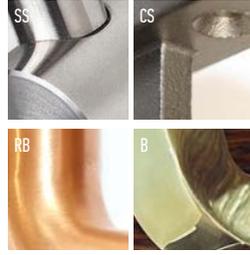
Step 10 : Using timber threaded screw at top and long M Screw through the bottom, join the up stand to the offstand with wires ready for lighting strip.



HB 525

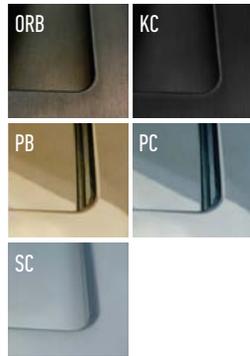


## BASE MATERIAL



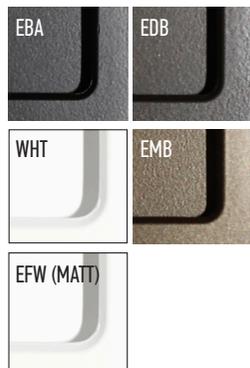
Our wide range of brackets are made from aluminum, 316 stainless steel, and raw gunmetal bronze and brass. Please note that the HB 510 is a bead blasted stainless steel finish, and the HB 526, HB 528, and HB 530 are all milled stainless steel (more of a match to brushed stainless steel). All aluminum brackets come in Satin Chrome as standard. The following brackets can also be coloured with most of our Electroplated and Powder Coated finishes – HB 500, HB 540, HB 520, HB 525, HB 527, HB 540 and HB 595. The HB 550, HB 560, and HB 570 styles can be coloured to SC only. All finishes other than SC, BS/SS, CS, RB and B are done to order and may have additional lead times.

## ELECTROPLATED



Electroplating is done by passing an electric current through a chemical solution that contains various metals plus the objects being plated. The current causes the metal in the solution to be attracted to the object and bond with it. The finishes listed all have several layers and processes of plating, and can be bonded to a variety of base metals including steel, stainless steel, brass, copper, zinc and aluminum.

## POWDER COATED



green building council australia



**SS : Brushed Stainless Steel.** This is a mill finish on 316 marine grade stainless steel and is available on the HB526, HB528, and HB530 brackets only. After precision CNC cutting, the surface is finely brushed to give the characteristic stainless steel sheen. These brackets are ideal for use outside, and where additional durability is required.

**CS : Cast Stainless Steel.** Unlike our other 316 marine grade stainless steel brackets, the HB510 is cast rather than milled. After casting, the components are bead blasted to give a textured industrial feel. This bracket is also ideal for use outside and where a additional durability and a tough aesthetic is needed.

**RB : Raw Bronze.** After precision CNC cutting from blocks of solid bronze, the surface is very finely brushed. This is a 'living finish' and the surface will dull and patina over time and with different weather conditions if not kept polished. Given the high copper content of bronze, in exterior situations these brackets may attain the verdigris look common to aged copper. This is not considered a fault but rather a desirable characteristic of this material.

**B : Brass.** After precision CNC cutting from blocks of solid brass, the surface is polished. This is a 'living finish' and the surface will dull and patina over time and with different weather conditions if not kept polished. In exterior situations these brackets may attain the verdigris look, this is not considered a fault but rather a desirable characteristic of this material.

**ORB : Oil Rubbed Bronze.** To achieve this finish several copper layers are plated, followed by a thick satin nickel later to achieve the robust thickness suitable for a patina. Following the first stages a thick layer of heavy brass is electrodeposited on the article which is then brushed to produce an even appearance as above. A special aging solution is then used to simulate a natural antique 'aged' look. The surface is then wiped with wax. This process is considered a "living finish" and will patina over time and with different weather conditions. This is not considered a flaw in the process but rather, a desirable characteristic of the continuous aging process of this material. Exact colour matching is not possible between batches.

**KC : Matt Black Chrome.** To achieve our soft flat black, items are plated to the same level as our "Brushed Nickel" but without the brushing stage. Items undergo an additional plating step in a black chrome bath which gives added protection and a deep black finish, before being hand waxed to provide surface consistency and to minimise finger printing on the surface when new. Please note that the wax on these items will gracefully wear away over time.

**PB : Polished Brass (unlacquered).** To achieve this finish a thick layer of brass is electrodeposited on the article after the same multiple copper and nickel plating process is undertaken as with our Brushed Nickel. These additional layers provide heightened durability and protect the base metal. After brass plating, items are brushed to a high polish. On dispatch items are a bright mirror brass without further coating or lacquer, and are considered a "living finish". The surface of items will dull and patina over time and with different weather conditions if not kept polished. This is considered a desirable characteristic in the aging process of unlacquered brass.

**PC : Polished Chrome.** Our bright/polished chrome finish undergoes the nickel process as detailed in "Brushed Nickel". After the polishing step, articles are plated with a heavy chrome barrier layer, and finally polished to a high mirror shine.

**SC : Satin Chrome.** To achieve this finish a special pearl bright satin nickel plating process is used. Additives to the final nickel layer cause the plating process to produce a velvet/satin result that is then over-plated with a chrome layer. This smooth velvet finish is ideal for both interior and exterior use, where superior durability is required.

**EBA : Electro Black Ace.** This finish has one of the lowest gloss levels we have seen in a powder coat. Along with its opposite Electro Flat White, this finish has a matt appearance, ideal for subtly blending into dark cabinetry or doors.

**EDB : Electro Dark Bronze.** This finish has a pearlescent or metallic content rather than a standard flat paint finish, providing a more "metal" look than standard powder coats. The Electro Dark Bronze is also a good alternative to full black where a slightly softer approach is required.

**WHT : Appliance White.** A good match to RAL 9016 Traffic White, this finish has a higher gloss level than our other powder coated finishes, and true to the traditional powder coat look.

**EMB : Electro Medium Bronze.** Like the darker finish above, the Medium Bronze has a pearlescent or metallic finish that sets it apart from standard flat paint powder colours. The lighter tone of this finish matches more closely to traditional aged brass finishes, without the issues of colour matching between batches, or the changing patina inherent in living finishes. This is a great option where the look of bronze is required, but not the variability of colour.

**EFW : Electro Flat White.** This is the most matt of all the powder coated finishes, and has a soft matt texture. While we do keep small stocks of product in Electro Flat White additional lead times may apply for this finish.



/ PASSIONATE ABOUT

# MANUFACTURING

Over the two decades that Halliday + Baillie have been making hardware, the passion for making great products, for great projects, using the best people, has never waned. All our products are designed and manufactured in New Zealand, which is something we've been able to achieve by working closely with our New Zealand manufacturing partners.

As we have grown, increased scale has allowed efficiencies in the production of our products. Constant evaluation and innovation around processes, raw materials, and sustainable work practices, has led to the development of more effective production techniques, less waste, and new products across the range. The determination to keep "doing it better" underpins everything we do.

Recent world events has encouraged us at Halliday + Baillie to make fundamental changes to how we work. When the global community tips on its head and all established conditions have changed, you can either hang on to what you know, or use the change to reach for something new. Far from limiting our work, the range of options only grows.

The ability to pick ourselves up and get back to doing what we do quickly and decisively is crucial, and it's that "number 8" attitude that will allow us to change and adapt to whatever the new normal brings. We're looking forward to working with you. Halliday + Baillie – creating classics



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