



*RA20 Over Ridge Anchor with a D-ring on both ends*

**AVAILABLE IN 480MM AND 900MM SIZES**



## Product Description

The RA-20 Tile/Slate/Shingle ridge anchor that has an attachment point on either side of the ridge.

RA-20 comes in three different lengths to suit the overlap tiles, wood shingles, slate, asphalt American shingles. Can be fixed to either onto a minimum 12 mm plywood roof deck or directly to a common rafter. For a plywood deck a Swan secure special screw 1 1/2 " from US is used as supplied. Onto a common rafter (minimum 90mm x 38mm) a 75 mm special stainless steel screw is to be used as supplied.

### LIMITATIONS:

The anchor is rated to 21kN but not to be utilised by more than one person and as such, not be subject to a load of more than 15kN in accordance with AS/NZS 1891.4 (Table 3.1). At no stage must the worker subject to the anchor, any loads from above the RA20 on the roof plane. The anchor can only ensure fall restraint/arrest in a downward direction, ie. **WORK BELOW THE ANCHOR AT ALL TIMES!** Do not work in a fashion that will apply an arresting load perpendicular to the 'RA20.



## Technical Data

**(Please specify application when ordering to ensure correct screw fixings are supplied)**

Weight (approx):	465/630 Grams (without fixings)
Dimensions (overall):	480mm/900mm x 65mm x 8mm nominal
Screw Fixings:	<b>Tile:</b> 6 off M6x50mm Hex Head HG Seal C4 Roof Zips <b>Ply/OSB:</b> 6 off 75mm Stainless Steel Screws
Weather exposure:	100mm x 50mm

### COMPOSITION AND MATERIALS:

The RA20 is composed of 304 Stainless Steel in either a mill finish with a stainless steel D-Ring. RA20 utilises 6 screws to surface mount the anchor to a rafter, plywood, OSB deck, or adequately performing structural member.

### APPLICABLE STANDARDS:

Australian/New Zealand Standard 1891.4

## Maintenance

The *Corrugator*™ should be checked annually at the very least by a 'competent' person as required and/or detailed in Government OH&S Acts, Codes of Practice and all applicable building codes. The *Corrugator*™ must also be checked prior to any attachment or use ensuring that the anchor has not been subject to any fall loads nor that it has been tampered with. Ensure that The *Corrugator*™ is firmly attached to the roof and not loose with the use of all screw fixings as detailed in above. Ensure all safety equipment to be used in conjunction with The *Corrugator*™ is checked prior to use.

**Distribution by:**  
**Shingles Supply Pty Ltd**  
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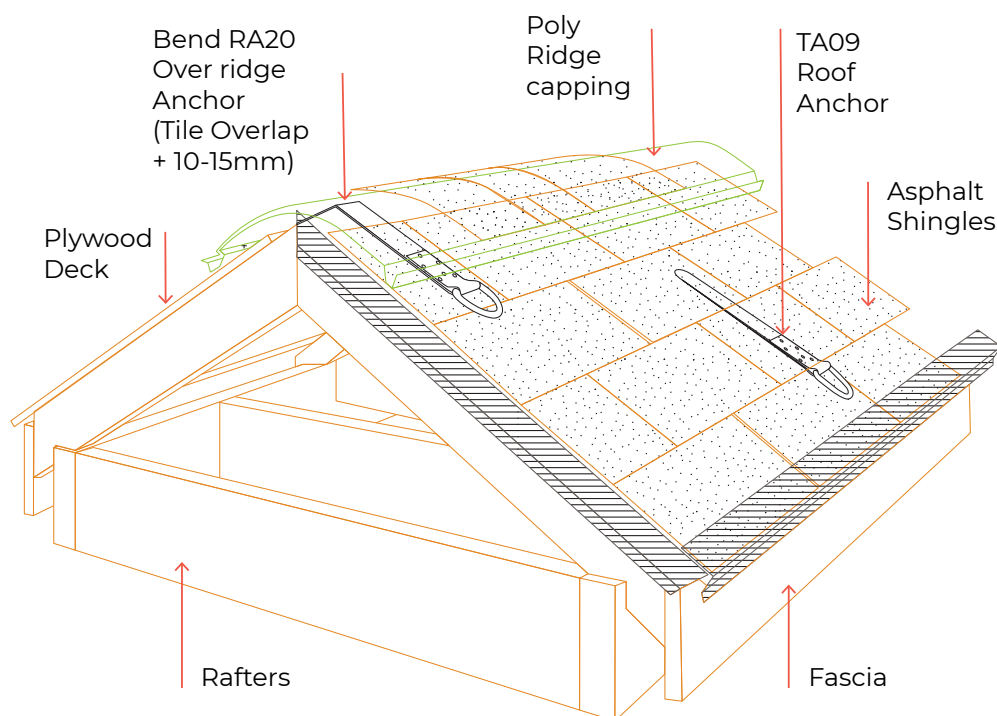


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### Fixing Diagram

(To be read in conjunction with installation instructions below)



### FIXING NOTES:

- Bend the anchor strap greater than the pitch of the roof by the distance of the overlap + 15mm from the rear of the D ring
- Place the anchor with the strap centred over a rafter with the bend at the rear of the tile it is going to sit upon.
- Push the strap down against the rafter and fix the roof zips in place from the second screw hole from the bottom of the anchor
- Place the last and sixth screw in the bottom hole closest to the D ring. The strap will not sit flat to the rafter at this point
- Ensure that all screws are firmly fixed but NOT overtightened with all washers in tact under the heads of the screws

### Installation Instructions

Following is a general summary of the installation method. If there is any doubt or non surety as to the application of this anchor in accordance with these instructions please contact Secure Anchor Systems.

#### ROOF REQUIREMENTS:

Apply the RA20 to a Tile/Slate or Shingle roof fixed in accordance with the manufacturer's instructions, all applicable building codes and Australian Standards. The rafter or structural member must be adequately strong enough to withstand 15kN of load.

#### APPLICATION & FASTENING:

Six (6) screws are required to be used on the RA20 roof anchor. Two holes are centred on the anchor, one at the top and one at the bottom with two pairs of holes running down of the stem and off set to each other. The M6 x 50mm Roof Zips are required to be fastened through all holes into a rafter that has a minimum strength grade of MGP10.

Bend the anchor to an angle greater than the roof pitch at a distance no less than the tile overlap + 15mm. This will enable to anchor to sit snugly and push down on the tile that it sits upon. Place the anchor over and centred on a rafter with the bend at the rear of the tile. Apply pressure and push the anchor strap against the rafter maintaining the bend at the rear of the tile. Fix the first roof zip in the second hole from the bottom of the anchor. Fix the screw firmly in place ensuring that the anchor is centred over the rafter. Fix the second screw in the top hole and then fill the remaining three screw in between. Ensure the screws are firmly fixed but not overtightened.

Fix the last and remaining screw in the bottom hole closest to the D Ring. As the strap will curve up from the rafter to bridge the difference in height of the thickness of the tile and the batten, this screw must be fixed without screwing flat to the rafter. Screw the roof Zip down to the face of the strap without it pulling the D Ring off the tile. If this happens, release the screw to allow the D Ring to sit flat on the tile. Place the overlapping tile back over the anchor and nibble off the lip on the underside of the tile to

the width of the strap of the anchor. This will allow the tile to sit flat on the anchor and the underlying tile. If there is a risk of wind driven water being blown up under the tile, a bead of sealant may be placed on the bottom edge of the tile to prevent this from occurring.

#### FLASHING:

The RA20 requires no additional flashings.

*Secure Anchor Systems recommends that all anchor installers & users be 'competent' in accordance with AS 1891, relevant Codes of Practice and applicable OH&S acts in your state.*

*Secure Anchor Systems always recommends placement of anchors using a 'fall restraint' methodology and working in a 'fall restraint' mode when working at heights.*

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