

Roofing & Cladding

www.pmj-tec.com

Order Code Example:

7310 / 5,5 x 25 / S16 / NY-10A05

| | | | |
|-----------------|---|--|--------------------------------|
| 7310 | fastener type (see 1 st column below) | S16 | washer description (if needed) |
| 5,5 x 25 | diameter x length length in bold = main dimension | washer diameter [mm], see page 56 S = stainless A = aluminium G = galvanized R = rubber ring | |
| | fastener length [mm] | NY - 10A05 colour description (if needed) | |
| | fastener diameter [mm] | colour code (BS or RAL, see page 7) NY = nylon head PP = powder painting | |

Application overview

| Fastener type | Page No. | Typical coating | Material | Typical application | Typical substrate | | Point | Head | | Recess |
|---------------|----------|-----------------|--------------|---------------------|-------------------|--------------------------|-----------------------|------|-------------|-------------|
| | | | | | Thickness | | | | | |
| 7010 | 9 | Zinc 250 | Carbon steel | Steel sheets | | Steel < 3,5 | Drill-point 2 | | UFO oval | DS25 |
| 7011 | 9 | Zinc 250 | Carbon steel | Steel sheets | | Steel < 3,5 | Drill-point 2 | | UFO oval | DS25 |
| 7020 | 10 | Zinc 250 | Carbon steel | Steel sheets | | Steel < 6,0 | Drill-point 3 | | UFO oval | DS25 |
| 7026 | 10 | Zinc 250 | Carbon steel | Steel sheets | | Steel < 6,0 | Drill-point 3 | | UFO oval | DS30 |
| 7030 | 11 | Zinc 250 | Carbon steel | Steel sheets | | Steel < 12,5 | Drill-point 5 | | UFO oval | DS25 |
| 7031 | 11 | Zinc 250 | Carbon steel | Steel sheets | | Steel < 12,5 | Drill-point 5 | | UFO oval | DS25 |
| 7040 | 11 | Zinc 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7041 | 11 | Zinc 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7049 | 11 | Zinc 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7060 | 12 | Zinc 250 | Carbon steel | Steel sheets | | Timber | Red. drill-point 1 | | UFO oval | DS25 |
| 7062 | 12 | Zinc 250 | Carbon steel | Panels | | Steel < 3,5 | Drill-point 2 | | UFO oval | DS25 |
| 7070 | 13 | Zinc 250 | Carbon steel | Panels | | Steel < 12,5 | Drill-point 5 | | UFO oval | DS25 |
| 7110 | 14 | Dural 250 | Bimetal A2 | Steel sheets | | Steel < 3,5 | Drill-point 2 | | UFO oval | DS25 |
| 7115 | 15 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7120 | 15 | Dural 250 | Bimetal A2 | Steel sheets | | Steel < 6,0 | Drill-point 3 | | UFO oval | DS25 |
| 7130 | 15 | Dural 250 | Bimetal A2 | Steel sheets | | Steel < 12,5 | Drill-point 5 | | UFO oval | DS25 |
| 7140 | 16 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7141 | 16 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7142 | 16 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Red. drill-point 1 | | UFO oval | DS25 |
| 7160 | 16 | Dural 250 | Bimetal A2 | Steel sheets | | Timber | Red. drill-point 1 | | UFO oval | DS25 |
| 7180 | 16 | Dural 250 | Bimetal A2 | Steel sheets | | Steel < 2,5 | Drill-point 2 | | UFO oval | DS25 |
| 7182 | 16 | Dural 250 | Bimetal A2 | Steel sheets | | Steel < 6,0 | Drill-point 4 | | UFO oval | DS25 |
| 7213 | 17 | Dural 250 | Carbon steel | Secret fix clips | | Steel < 5,0 | Drill-point 3 | | Flat Hex | AF8 |
| 7214 | 17 | Dural 250 | Carbon steel | Secret fix clips | | Timber | Red. drill-point 1 | | Flat Hex | AF8 |
| 7215 | 17 | Dural 250 | Carbon steel | Secret fix clips | | Steel < 6,0 | Drill-point 4 | | Flat Hex | AF8 |
| 7270 | 17 | Dural 250 | Carbon steel | Secret fix clips | | Steel < 4,5 | Drill-point 3 | | Flat | PH2 |
| 7310 | 18 | Dural 250 | Carbon steel | Steel sheets | | Steel < 3,5 | Drill-point 2 | | Hex / NYCO | AF8 / AF11 |
| 7310H | 18 | Dural 250 | Carbon steel | Steel sheets | | Steel < 3,5 | Drill-point 2 | | Hex | AF8 |
| 7320 | 18 | Dural 250 | Carbon steel | Steel sheets | | Steel < 3,5 | Drill-point 2 | | Hex / NYCO | AF8 / AF11 |
| 7325 | 19 | Dural 250 | Carbon steel | Steel sheets | | Steel < 6,0 | Drill-point 3 | | Hex | AF 3/8" |
| 7327 | 19 | Dural 250 | Carbon steel | Steel sheets | | Steel < 6,0 | Drill-point 3 | | Hex | AF8 |
| 7330 | 19 | Dural 250 | Carbon steel | Steel sheets | | Steel < 12,5 | Drill-point 5 | | Hex / NYCO | AF8 / AF11 |
| 7335 | 20 | Dural 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | Hex / NYCO | AF8 / AF11 |
| 7336 | 20 | Dural 250 | Carbon steel | Steel sheets | | Steel < 18,0 | Drill-point 6 | | Hex-washer | AF8 |
| 7337K | 17 | Dural 250 | Carbon steel | Secret fix clips | | Steel < 12,5 | Drill-point 5 | | Flat | PH3 |
| 7339 | 20 | Dural 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | Hex-washer | AF8 |
| 7340 | 21 | Dural 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | Hex / NYCO | AF8 / AF11 |
| 7341 | 21 | Dural 250 | Carbon steel | Steel sheets | | Timber | Red. drill-point 1 | | Hex / NYCO | AF8 / AF11 |
| 7342 | 22 | Dural 250 | Carbon steel | Steel sheets | | Steel < 3,5 | Drill-point 2 | | Hex-washer | AF8 |
| 7343 | 22 | Dural 250 | Carbon steel | Steel sheets | | Steel < 6,0 | Drill-point 3 | | Hex-washer | AF8 |
| 7344 | 22 | Dural 250 | Carbon steel | Steel sheets | | Steel < 12,5 | Drill-point 5 | | Hex-washer | AF8 |
| 7346 | 23 | Dural 250 | Carbon steel | Steel sheets | | Stitcher | Red. drill-point 1 | | Hex-washer | AF8 |
| 7347 | 23 | Dural 250 | Carbon steel | Steel sheets | | Timber | Red. drill-point 1 | | Hex / NYCO | AF8 / AF11 |
| 7353 | 28 | Dural 250 | Carbon steel | Steel sheets | | Steel < 3,0; pre-drilled | Self-tapping A | | Hex | AF8 |
| 7360 | 24 | Dural 250 | Carbon steel | Panels | | Steel < 6,0 | Drill-point 3 | | Hex / NYCO | AF8 / AF11 |
| 7362 | 25 | Dural 250 | Carbon steel | Panels | | Steel < 3,5 | Drill-point 2 | | Hex / NYCO | AF8 / AF11 |
| 7370 | 26 | Dural 250 | Carbon steel | Panels | | Steel < 12,5 | Drill-point 5 | | Hex / NYCO | AF8 / AF11 |
| 7373 | 28 | Dural 250 | Carbon steel | Steel sheets | | Steel > 3,0; pre-drilled | Self-tapping B | | Hex | AF8 |
| 7380 | 27 | Dural 250 | Carbon steel | Panels | | Timber | Red. drill-point 1 | | Hex / NYCO | AF8 / AF11 |
| 7411 | 29 | Dural 250 | Carbon steel | Timber | | Steel < 5,0 | Drill-point 3 + wings | | Countersunk | T30 |
| 7412 | 29 | Dural 250 | Carbon steel | Timber | | Steel < 5,0 | Drill-point 3 + wings | | Countersunk | DS15 - DS25 |
| 7415 | 30 | Dural 250 | Carbon steel | Timber | | Steel < 12,5 | Drill-point 5 + wings | | Countersunk | DS30 |
| 7425 | 30 | Dural 250 | Carbon steel | Timber | | Steel < 10,0 | Drill-point 5 + wings | | Countersunk | DS30 |

Order Code Example:

7310 / 5,5 x 25 / S16 / NY-10A05



| | |
|---|---|
| 7310 fastener type (see 1 st column below) | S16 washer description (if needed) washer diameter [mm], see page 56 S = stainless A = aluminium G = galvanized R = rubber ring |
| 5,5 x 25 diameter x length length in bold = main dimension fastener length [mm] fastener diameter [mm] | NY - 10A05 colour description (if needed) colour code (BS or RAL, see page 7) NY = nylon head PP = powder painting |

| Fastener type | Page No. | Typical coating | Material | Typical application | Typical substrate | | Point | Head | Recess |
|---------------|----------|-----------------|--------------|-----------------------|-------------------|--------------------------|----------------------------|--------------------|------------------|
| | | | | | Thickness | | | | |
| 7426 | 31 | Dural 250 | Carbon steel | Timber | | Steel < 6,0 | Drill-point 3 + wings | Countersunk | DS30 |
| 7431 | 31 | Dural 250 | Carbon steel | Timber | | Composite panels | Drill-point 1 | Countersunk + ribs | DS30 |
| 7441 | 32 | Dural 1000 | Carbon steel | Fibre-cement sheets | | Steel < 6,0 | Drill-point 3 | Hex | AF8 |
| 7442 | 32 | Dural 1000 | Carbon steel | Fibre-cement sheets | | Steel < 6,0 | Drill-point 3 | Hex | AF8 |
| 7442E | 32 | Dural 1000 | Bimetal A2 | Fibre-cement sheets | | Steel < 6,0 | Drill-point 3 | Hex | AF8 |
| 7451 | 33 | Dural 1000 | Carbon steel | Fibre-cement sheets | | Steel < 12,5 | Drill-point 5 | Hex | AF8 |
| 7452 | 33 | Dural 1000 | Carbon steel | Fibre-cement sheets | | Steel < 12,5 | Drill-point 5 | Hex | AF8 |
| 7456 | 34 | Dural 1000 | Carbon steel | Fibre-cement sheets | | Timber | Drill-point 1 | Hex | AF8 |
| 7457 | 35 | Dural 1000 | Carbon steel | Fibre-cement sheets | | Timber | Special drill-point 1 | Hex | AF8 |
| 7457E | 35 | Dural 1000 | A2 | Fibre-cement sheets | | Timber | Special drill-point 1 | Hex | AF8 |
| 7457E | 35 | Dural 1000 | A4 | Fibre-cement sheets | | Timber | Special drill-point 1 | Hex | AF8 |
| 7510 | 36 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 3,5 | Drill-point 2 | Hex / NYCO | AF8 / AF11 |
| 7515 | 15 | Dural 250 | Bimetal A2 | Steel sheets | | Steel < 3,5 | Drill-point 2 | UFO oval | DS25 |
| 7516 | 37 | Dural 250 | Bimetal A2 | Halter clips | | Steel < 1,6 | Red. drill-point 1 | Hex | AF8 |
| 7517 | 37 | Dural 250 | Bimetal A2 | Halter clips | | Steel < 3,5 | Drill-point 2 | Hex | AF8 |
| 7518 | 37 | Dural 250 | Bimetal A2 | Halter clips | | Steel < 1,6, Timber | Red. drill-point 1 | Hex | AF8 |
| 7519 | 37 | Dural 250 | Bimetal A2 | Halter clips | | Steel < 3,2 | Drill-point 2 | Hex | AF8 |
| 7520 | 38 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 6,0 | Drill-point 3 | Hex / NYCO | AF8 / AF11 |
| 7521 | 38 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 6,0 | Drill-point 3 | Hex / NYCO | AF8 / AF11 |
| 7524 | 38 | Dural 250 | Bimetal A4 | Steel / alu sheets | | Steel < 6,0 | Drill-point 3 | Hex | AF8 |
| 7525 | 39 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 6,0 | Drill-point 3 | Hex / NYCO | AF8 / AF11 |
| 7530 | 40 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 12,5 | Drill-point 5 | Hex / NYCO | AF8 / AF11 |
| 7534 | 40 | Dural 250 | Bimetal A4 | Steel / alu sheets | | Steel < 12,5 | Drill-point 5 | Hex | AF8 |
| 7540 | 40 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 3,5 | Drill-point 3 | Hex / NYCO | AF7 / AF8 / AF11 |
| 7543 | 41 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 3,0 | Drill-point 2 | Oval | ROB 2 |
| 7544 | 41 | Dural 250 | Bimetal A4 | Steel / alu sheets | | Steel < 3,5 | Drill-point 3 | Hex | AF8 |
| 7546 | 41 | Dural 250 | Bimetal A2 | Halter clips | | Steel < 1,0 | Red. drill-point 1 | Flat | DS20 |
| 7548 | 41 | Dural 250 | Bimetal A2 | Halter clips | | Steel < 1,0 | Red. drill-point 1 | Flat | DS20 |
| 7549 | 42 | Dural 250 | Bimetal A2 | Secret fix clips | | Steel < 1,0 | Red. drill-point 1 | Flat Hex | AF8 |
| 7550 | 42 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Red. drill-point 1 | Hex / NYCO | AF8 / AF11 |
| 7553 | 43 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Red. drill-point 1 | Hex / NYCO | AF8 / AF11 |
| 7554 | 43 | Dural 250 | Bimetal A4 | Steel sheets | | Stitcher | Red. drill-point 1 | Hex | AF8 |
| 7561 | 43 | Dural 250 | Bimetal A2 | Steel sheets | | Timber | Red. drill-point 1 | Hex / NYCO | AF8 / AF11 |
| 7563 | 44 | Dural 250 | Bimetal A2 | Steel sheets | | Stitcher | Swarf-free stitcher | Hex / NYCO | AF8 / AF11 |
| 7565 | 43 | Dural 250 | Bimetal A2 | Steel sheets | | Timber | Red. drill-point 1 | Hex | AF8 |
| 7570 | 44 | Dural 250 | Bimetal A2 | Panels | | Steel < 6,0 | Drill-point 3 | Hex / NYCO | AF8 / AF11 |
| 7571 | 45 | Dural 250 | Bimetal A2 | Panels | | Steel < 3,5 | Drill-point 2 | Hex / NYCO | AF8 / AF11 |
| 7575 | 46 | Dural 250 | Bimetal A2 | Panels | | Steel < 12,5 | Drill-point 5 | Hex / NYCO | AF8 / AF11 |
| 7580 | 47 | Dural 250 | Bimetal A2 | Panels | | Timber | Red. drill-point 1 | Hex / NYCO | AF8 / AF11 |
| 7591 | 48 | Dural 250 | Bimetal A2 | Timber | | Steel < 5,0 | Drill-point 3 + wings | Countersunk | DS25 |
| 7592 | 48 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 2,0 | Red. drill-point 1 + wings | Countersunk | DS25 |
| 7593 | 48 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 3,5 | Drill-point 3 | Countersunk | T20 / T25 |
| 7595 | 48 | Dural 250 | Bimetal A2 | Steel / alu sheets | | Steel < 6,0 | Drill-point 3 | Countersunk | DS25 |
| 7596 | 49 | Dural 250 | Bimetal A2 | Timber | | Composite panels | Drill-point 1 | Countersunk + ribs | DS25 |
| 7641 | 49 | Dural 250 | A2 | Steel sheets | | Timber | Special drill-point 1 | Hex / NYCO | AF8 / AF11 |
| 7652 | 50 | Dural 250 | A4 | Steel sheets | | Steel < 3,0; pre-drilled | Self-tapping A | Hex | AF8 |
| 7653 | 50 | Dural 250 | A2 | Steel sheets | | Steel < 3,0; pre-drilled | Self-tapping A | Hex | AF8 |
| 7672 | 51 | Dural 250 | A4 | Steel sheets | | Steel > 3,0; pre-drilled | Self-tapping B | Hex | AF8 |
| 7673 | 51 | Dural 250 | A2 | Steel sheets | | Steel > 3,0; pre-drilled | Self-tapping B | Hex | AF8 |
| 7673K | 52 | Dural 250 | A2 | Panels | | Steel > 3,0; pre-drilled | Self-tapping B | Hex | AF8 |
| 7680 | 53 | Dural 250 | A2 | Panels | | Timber | Special drill-point 1 | Hex / NYCO | AF8 / AF11 |
| 7890 | 54 | Dural 250 | Carbon steel | Steel sheets / Panels | | Concrete | | Hex | AF8 |
| 7890E | 54 | Dural 250 | A2 | Steel sheets / Panels | | Concrete | | Hex | AF8 |

- typically supplied coloured



PMJ – the name for quality and reliability

PMJ-tec AG (previously named MAGE AG) is a specialised Swiss manufacturer of bimetal drillscrews and nomic couplings.

In September 2014, after the management buy-out of the previous year, we launched our new corporate name and brand, PMJ.

PMJ's owner and CEO, Mark Jones, believes that the new logo reflects the company's core values, which combine the strong foundations built over the past 40 years with our nomic coupling production expertise together with our recent investment in high-tech manufacturing to produce bimetal drillscrews.

To retain the strong connection to the company's core product ranges, PMJ has integrated the well-known nomic brand into the new corporate logo for its pipe-coupling range and the brand for its bimetal drillscrew range.



The company registration number (Eid. Nr. Ch-224-0530199-4) and registered address remain unchanged. All right, approvals and certifications held by MAGE AG, including European Technical Approvals, continue to be held by and are the property of PMJ-tec AG.

When you specify PMJ fasteners, you have the assurance of a high quality product, engineered with more than 30 years of knowledge of the fastener industry. In addition to a strict internal quality control underlying the PMJ fastening system, we have obtained numerous technical approvals which also involve independent 3rd party control visits to our factory every year.

ETA-10/0199

ETA-13/0182

European Technical Approval



Approved by the German Institute for building technology (DIBT)

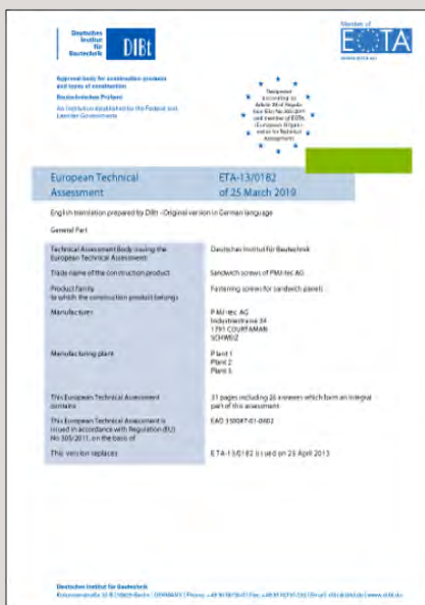
Quality Assurance



Our ISO 9001 compliant system of batch numbers allows for the traceability of a finished product through the various stages of production even to the original batch of the wire, so that the customer has total confidence in our quality control. The details of the batch number which appears on the boxes and invoices is enough to ensure traceability of all the relevant quality control tests of our products.

PMJ-tec AG is the new company name of MAGE AG. The company registration number (Eid. Nr. Ch-224-0530199-4) and registered address remain unchanged. All rights, approvals and certifications held by MAGE AG, including European Technical Approvals and national approvals, continue to be held by and are the property of PMJ-tec AG.

ETA – European Technical Approval



SQS Certificate



Durability of PMJ fasteners

It is important for the building owner to have confidence in the products selected and their long term durability. PMJ has built its reputation on supplying reliable quality products, ensuring product suitability for each application and high quality corrosion resistant finishes on all fasteners.

PMJ is recognised throughout the European fastener world as one of the leading companies in corrosion protection, and was the first to apply an inorganic anticorrosion coating to all of our fasteners. In line with other leading fastener manufacturers supplying the European market, PMJ's recommendations on the durability of fasteners follow the appropriate European industry standards including the UK's MCRMA guidance document "Fasteners for metal roof and wall cladding: design, detailing and installation guide".

All PMJ carbon steel fasteners with Dural 250 plus coating with the integral coloured nylon heads for use on buildings with dry & low humidity comply with BS7543:2003 Guide to durability of buildings and building elements, products and components. Certain applications in exposed areas or aggressive environments require different solutions; please refer to our technical brochure for details.

The PMJ **bimetal** and fully stainless fastener ranges are manufactured using 304/A2 and 316/A4 grade austenitic stainless steel. These steel grades are mainly alloyed with chromium and nickel and can be easily identified by their non-magnetic properties – however, cold forming can lead to minimal residual magnetism which does not have the slightest effect on the corrosion resistance.

Although it may be common to classify martensitic steel alloys with the main component chromium as stainless steel, their use in cladding is **NOT RECOMMENDED**. These steel grades of the 400-series, which are mostly hardened and galvanized, offer corrosion protection that is only equal to that of carbon steel fasteners with anticorrosion coating. On top of this these screws are prone to intercrystalline corrosion as well as hydrogenous brittleness – both effects can lead to disastrous failures.

The following image gives a clear indication of the high resistance to corrosion our carbon steel fasteners with Dural plus coatings and austenitic stainless steel fasteners have to offer.

|  swiss quality | Not tested | Tested SST – DIN 50021 | | |
|--|---|---|---|---|
| | | 250 h | 1000 h | 1500 h |
| 7510 Stainless Steel 1.4301 |  |  |  |  |
| 7310 Dural 1000 plus® |  |  |  |  |
| 7310 Dural 250 plus® |  |  |  |  |
| 7310 Yellow zinc plated |  |  |  |  |

Durability of PMJ fasteners

| Fasteners materials | Environnement | | Life expectancy of fasteners (see footnotes) | Sheet / Deck Material (see footnotes) | | | |
|---|-------------------|-------------------------|--|---------------------------------------|--------------|-----------------|-----------------------|
| | External exposure | Internal humidity grade | | Aluminium | Coated steel | Stainless steel | GRP / PVC fibrecement |
| | | | | Minimal washer diameter [mm] | | | |
| | | | | 19 | 16 | 16 | 29 |
| Austenitic stainless steel | Urban / Rural | All grades | 25+ | Y | Y | Y | Y |
| | Industrial | All grades | 25+ | Y | Y | Y | Y |
| | Coastal / Marine | All grades | 25+ | Y | Y | Y | Y |
| Coated carbon steel with integral nylon coloured head | Urban / Rural | Dry & Low | 15 / 25 | N | Y | N | Y |
| | | High | 10 / 15 | N | C | N | C |
| | Industrial | Dry & Low | 15 / 20 | N | C | N | C |
| | | High | 10 | N | C | N | C |
| | Coastal / Marine | Dry & Low | - | N | N | N | N |
| | | High | - | N | N | N | N |
| Coated carbon steel & push on plastic colour cap | Urban / Rural | Dry & Low | 10 / 20 | N | Y | N | Y |
| | | High | 10 / 15 | N | C | N | C |
| | Industrial | Dry & Low | 10 / 15 | N | C | N | C |
| | | High | 10 | N | C | N | C |
| | Coastal / Marine | Dry & Low | - | N | N | N | N |
| | | High | - | N | N | N | N |

KEY: Y = Recommended N = not recommended C = Check suitability with sheet manufacturer and PMJ

Note 1: The above periods are for the fasteners functional life expectancy.

Please consult the sheet manufacturer regarding the most appropriate sheet material and coating system and its functional life in the particular environment.

Note 2: Carbon steel fasteners which are non-exposed to the external environment have a functional life that is similar to those tabled above for carbon steel with integral colour head.

Note 3: The period shown is the functional life expectancy. If a specific project warranty is needed please consult PMJ

Powder coating

Powder coating technology is environmentally acceptable due to the lack of waste products from the manufacturing process, because the excess powder overspray is recycled.





















The use of powder coating has been prompted by high requirements of impact and weather resistance, which is why many other organisations such as aluminium profile manufacturers, fastener technology, machine and automobile industry have changed in the last few years from wet painting to powder coating. PMJ uses polyester powder due to its excellent colour and durability properties.

Standard range of British Standards and RAL colour references

The most popular colours are generally available within a short delivery lead time; other colours are manufactured to order.

Special colours can be produced with extended lead times which may be subject to an additional cost.

| RAL references | | | | | |
|----------------|------------------------|---|----------|-----------------|---|
| RAL 1015 | Light Elf's Leg |  | RAL 7016 | Anthracite Grey |  |
| RAL 3000 | Fire Red |  | RAL 7022 | Umber Grey |  |
| RAL 3004 | Burano |  | RAL 7024 | Graphitgrau |  |
| RAL 3009 | Oxide Red |  | RAL 7031 | Blue Grey |  |
| RAL 3011 | Brown Red |  | RAL 7035 | Oyster |  |
| RAL 3013 | Tomato Red |  | RAL 7037 | Dusty Grey |  |
| RAL 5002 | Ultramarine |  | RAL 7038 | Agate Grey |  |
| RAL 5003 | Sargasso/Sapphire Blue |  | RAL 7040 | Window Grey |  |
| RAL 5007 | Brilliant Blue |  | RAL 8004 | Copper Brown |  |
| RAL 5009 | Azure Blue |  | RAL 8011 | Nut Brown |  |
| RAL 5010 | Flower Blue |  | RAL 8012 | Red Brown |  |
| RAL 5020 | Ocean Blue |  | RAL 8014 | Sepia Brown |  |
| RAL 6000 | Patina Green |  | RAL 8017 | Chocolate Brown |  |
| RAL 6002 | Leaf Green |  | RAL 8019 | Grey Brown |  |
| RAL 6003 | Olive Green |  | RAL 9001 | Cream White |  |
| RAL 6005 | Moss green |  | RAL 9002 | Hamlet |  |
| RAL 6007 | Bottle Green |  | RAL 9004 | Signal Black |  |
| RAL 6011 | Resada Green |  | RAL 9005 | Jet Black |  |
| RAL 6020 | Chrome Green |  | RAL 9006 | Silver |  |
| RAL 7000 | Squirrel Grey |  | RAL 9007 | Grey Aluminium |  |
| RAL 7012 | Basalt Grey |  | RAL 9010 | Pure White |  |
| | | | RAL 9011 | Graphite Black |  |

| British Standard references | | | | | |
|-----------------------------|----------------|---|----------|----------------|---|
| BS 00E53 | Black |  | BS 12B21 | Moorland Green |  |
| BS 00E55 | White |  | BS 12B27 | Olive Green |  |
| BS 04C39 | Terracotta |  | BS 12B29 | Juniper Green |  |
| BS 04E53 | Poppy Red |  | BS 14C37 | Jade |  |
| BS 08B29 | Vandyke Brown |  | BS 18B17 | Albatross |  |
| BS 08C35 | Bamboo |  | BS 18B25 | Merlin Grey |  |
| BS 10A05 | Goosewing Grey |  | BS 18B29 | Grey |  |
| BS 10B19 | Mushroom |  | BS 18C37 | Wedgewood Blue |  |
| BS 10B23 | Svelte Grey |  | BS 18C39 | Ocean Blue |  |
| BS 10C31 | Honesty |  | BS 18E53 | Solent |  |

The colours shown above are only printed samples, the real colours could slightly differ.

Drill-screws with injection moulded nylon head

The advantages of using fasteners with an integral coloured head are well proven in today's metal roofing & cladding markets where an external fastener is required.

The comprehensive nylon head programme of purpose designed drill-screws are available in carbon steel and austenitic stainless steel grades 304 / A2 or 316 / A4 (upon request).

Nylon head integral coloured head drill-screw fasteners are simply installed in one operation with a standard screwgun. Permanent colour matching is ensured without the problems associated with separate colour caps.

The nylon head fastener programme provides a durable UV-resistant colour match to the profiled colour sheet and greatly enhances the fasteners resistance to corrosion. This is due to the reinforced glass fibre polyamide composition with built-in UV-stabilisers.

Nylon head headed screws are moulded to suit 16, 19 or 29 mm washers.

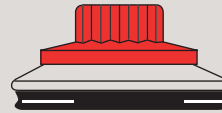
18 mm nylon head flange with skirt for 16 mm washer



21 mm nylon head flange with skirt for 19 mm washer



21 mm nylon head flange flat for 29 mm washer



AF11

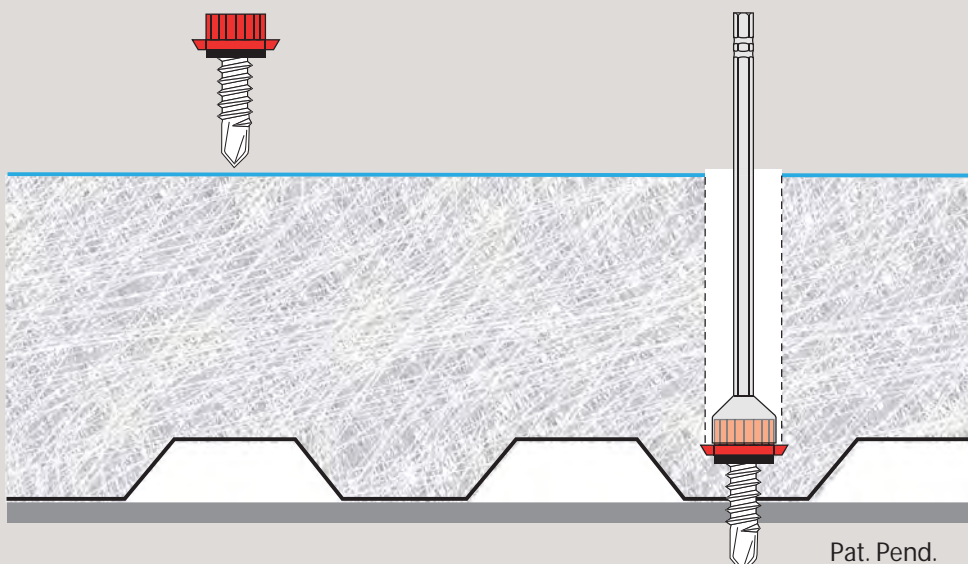
= Most AF8 hex-washer-head fasteners can be over-moulded with a nylon head.

ETA-10/0199



Nylon head with wings

Developed by PMJ to fix membrane faced insulated panels. The wings will cut through the membrane layer and the insulation to fasten the panel onto the substrate.

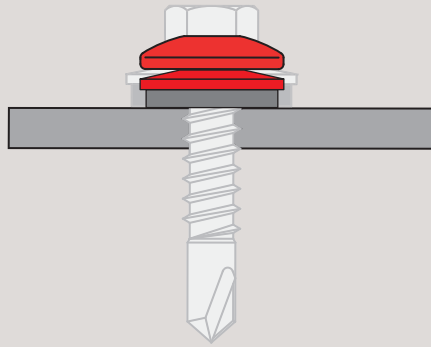


Pat. Pend.

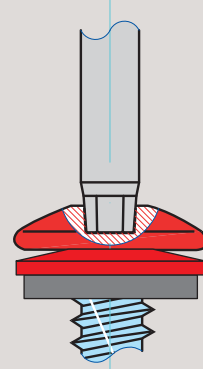
Aesthetic low profile carbon-steel drill-screws

Application examples

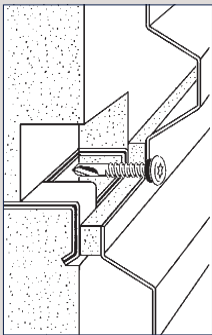
The growth of our low profile headed range has been created by the market demanding a more aesthetically pleasing fastener, particularly in cladding applications, and providing an unobtrusive head style.



Aesthetic low head – lower than a classical hex-head



DS-Drive is a substantial improvement over the 6 lobe recess. The conical form of the drive recess creates a mechanical magnetism that prevents the screw from falling-out of the drive bit.



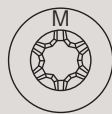
7010 / 7011



DIBT approval Z-14.1-4

ETA-10/0199

low-profile-head drill-screws with DS-drive (DS25), drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm.

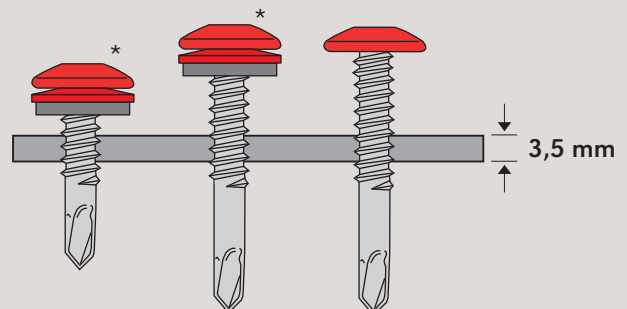
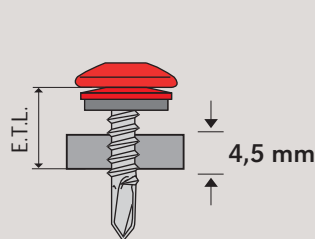


DS25

7010

7010

7011



Length $\varnothing 4,8 \times 20$

$\varnothing 5,5 \times$

E.T.L.

6

25

38

38

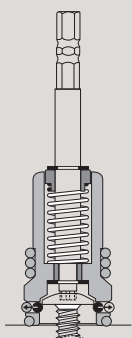
mm

6

14

14

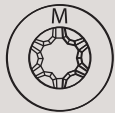
mm



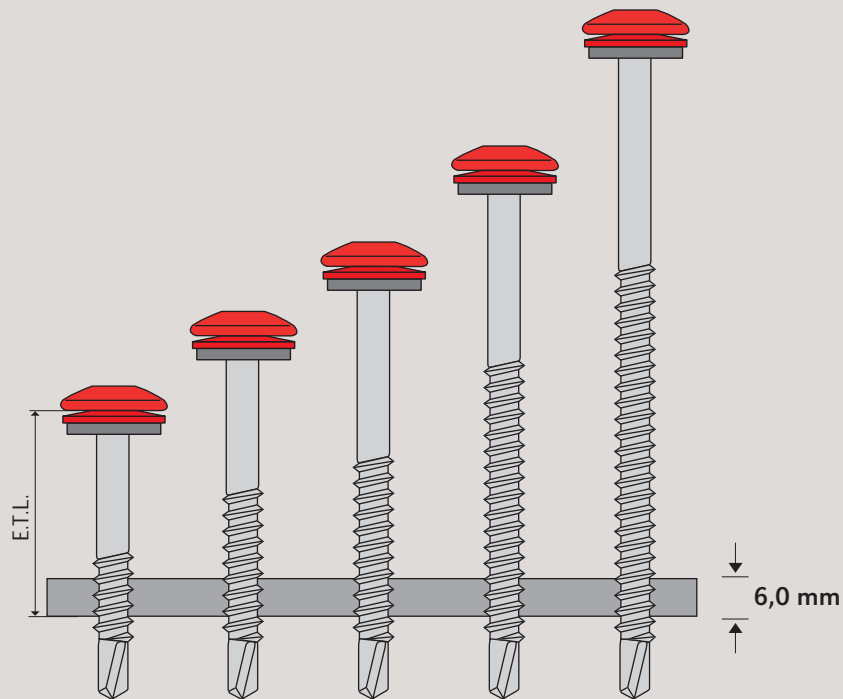
7970/21 – low-profile-head screws setting tool

7020

Low-profile-head drill-screws with DS-drive (DS25), drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.

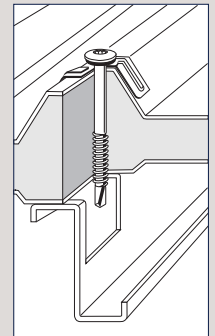


DS25



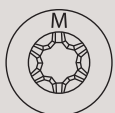
| | | | | | | |
|--------|------------|----|----|----|----|----|
| Length | Ø 5,5 x 38 | 48 | 57 | 70 | 88 | mm |
| E.T.L. | 28 | 38 | 47 | 60 | 78 | mm |

Application examples

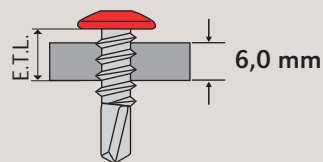


7026

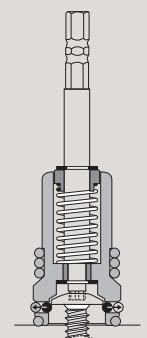
Low-profile-head drill-screws with Torx-drive (T30), drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.



T30



| | | |
|--------|------------|----|
| Length | Ø 6,3 x 19 | mm |
| E.T.L. | 9 | mm |

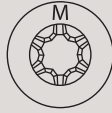
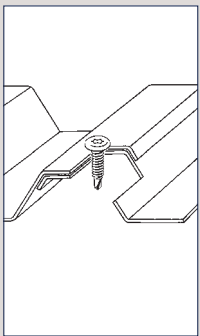
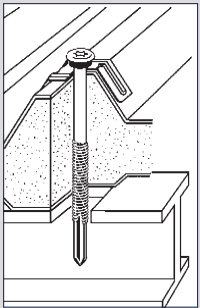
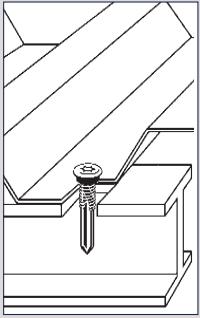


7970/21 – low-profile-head screws setting tool

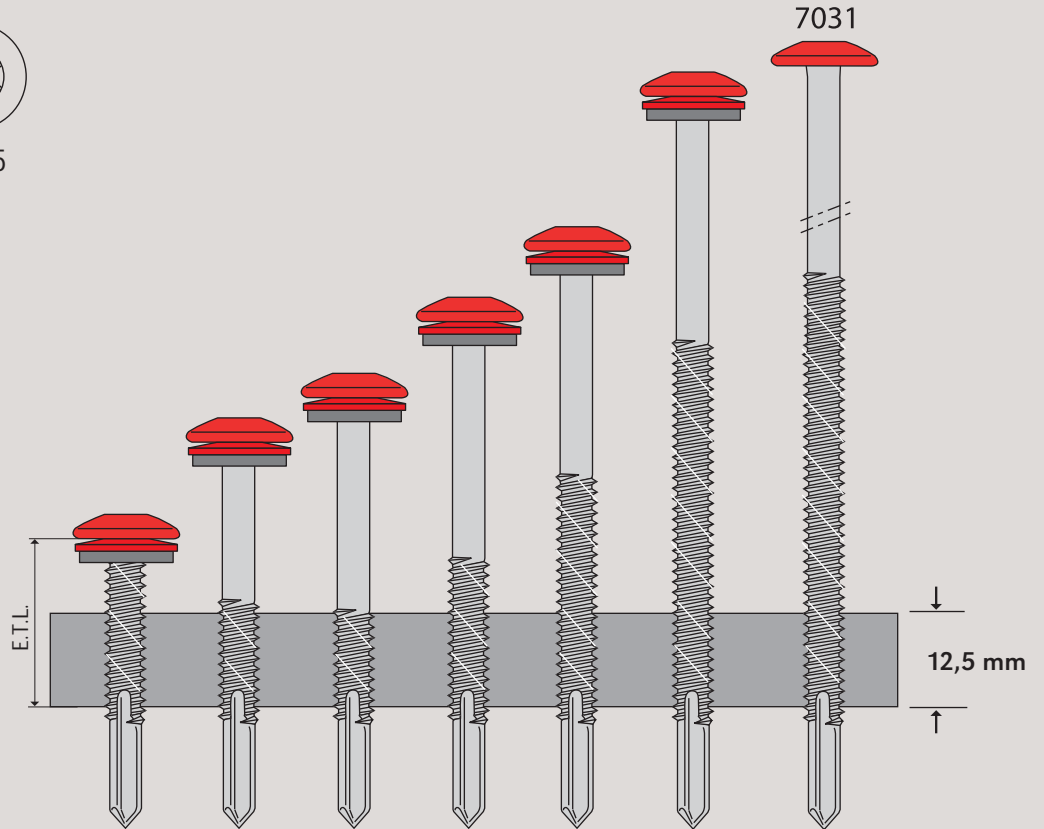
7030 / 7031

Low-profile-head drill-screws with DS-drive (DS25), drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.

Application examples



DS25



| | | | | | | | | |
|----------------|----|----|----|----|----|-----|-----|----|
| Length Ø 5,5 x | 38 | 51 | 57 | 67 | 76 | 100 | 210 | mm |
| E.T.L. | 17 | 30 | 36 | 46 | 55 | 79 | 191 | mm |

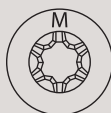
7040 / 7041 / 7049



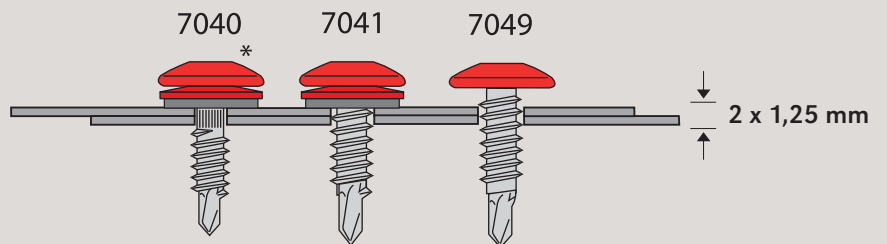
DIBT approval Z-14.1-4

ETA-10/0199*

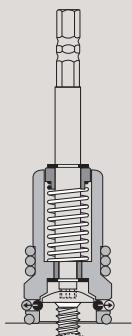
Low-profile-head drill-screws with DS-drive (DS25), reduced drill-point № 1 (7040 with a thread free zone), for stitching overlapping profiled sheets of maximum 2 x 1,25 mm. 7049 has a pilot point.



DS25



| | | | | |
|----------------|----|----|----|----|
| Length Ø 4,8 x | 20 | | | |
| Ø 6,3 x | | 22 | 22 | mm |



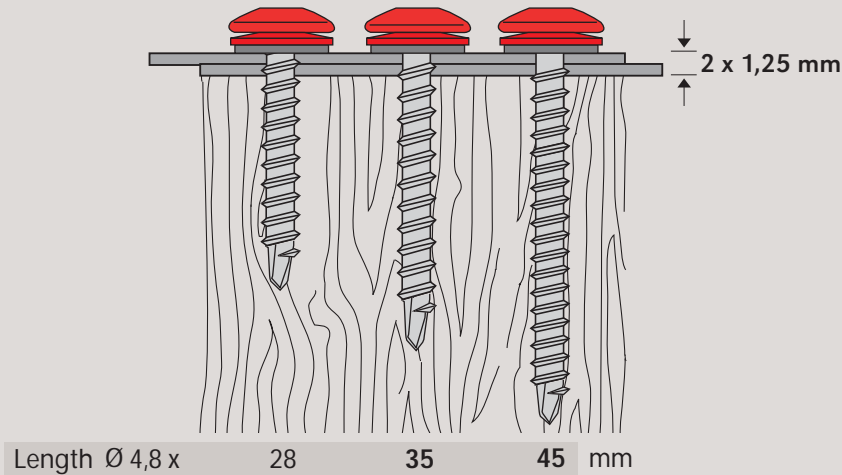
7970/21 - low-profile-head screws setting tool

7060

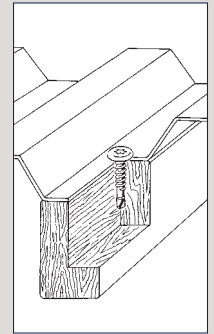
Low-profile-head drill-screws with DS-drive (DS25), reduced drill-point № 1, for fastening profiled sheets of maximum 2 x 1,25 mm to timber.



DS25

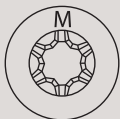


Application examples

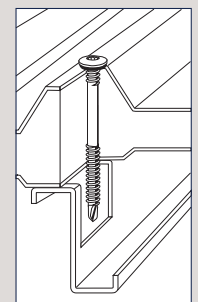
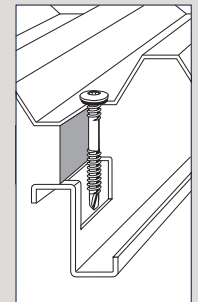
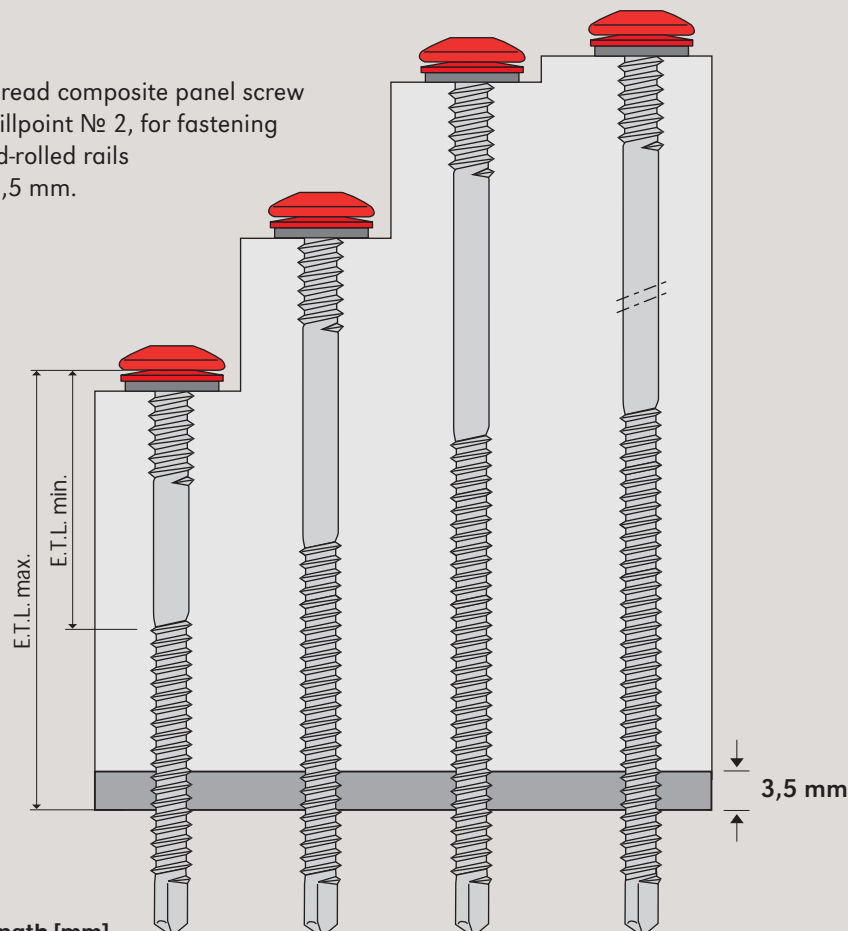


7062

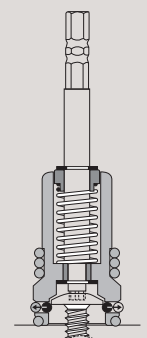
Low-profile-head high thread composite panel screw with DS-drive (DS25), drillpoint № 2, for fastening composite panels to cold-rolled rails and purlins from 1,2 – 3,5 mm.



DS25



| Length [mm] | 75 | 95 | 115 | 130 |
|--|----|----|-----|-----|
| Ø 5,5/6,3 x | | | | |
| E.T.L. [mm] | | | | |
| min | 39 | 52 | 57 | 72 |
| max | 63 | 83 | 103 | 118 |
| To suit insulation thickness [mm] | | | | |
| min | 23 | 49 | 54 | 69 |
| max | 60 | 80 | 100 | 115 |

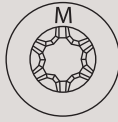
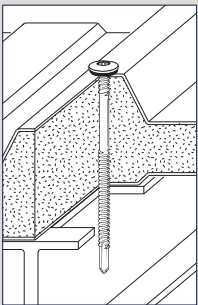
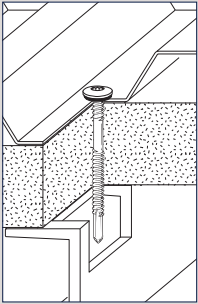


7970/21 – low-profile-head screws setting tool

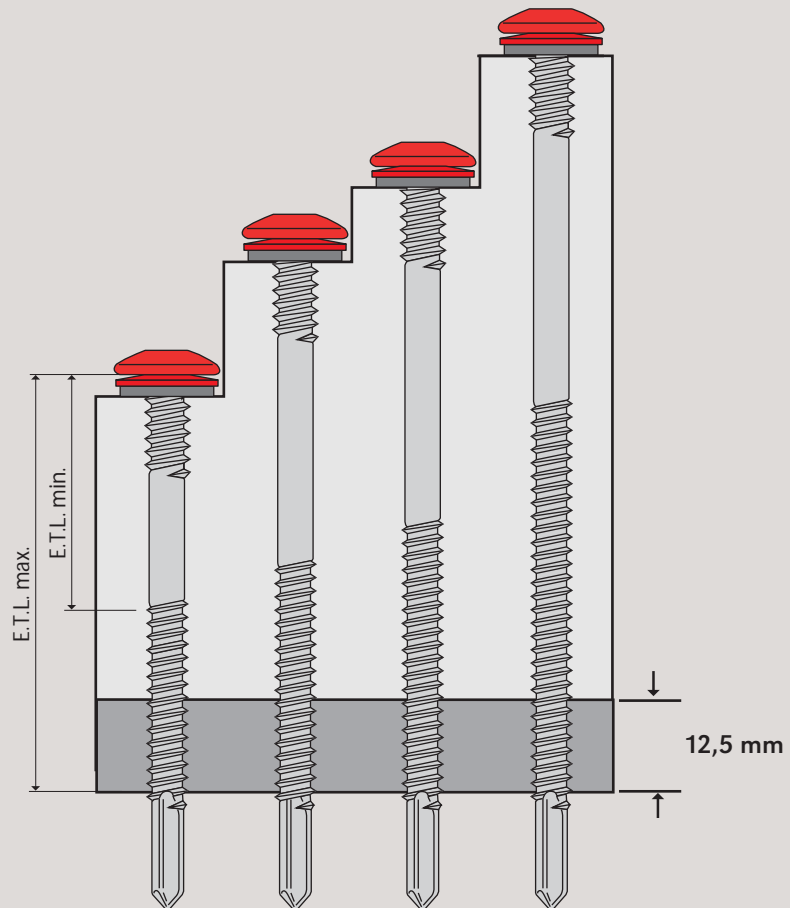
7070

Low-profile-head high thread composite panel screw with DS-drive (DS25), drill-point № 5, for fastening composite panels to hot-rolled steel from 4,0 – 12,5 mm.

Application examples



DS25



Length [mm]

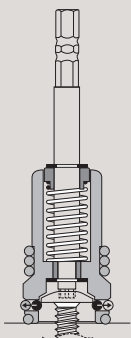
| | | | | |
|-------------|----|----|-----|-----|
| Ø 5,5/6,3 x | 76 | 92 | 102 | 120 |
|-------------|----|----|-----|-----|

E.T.L. [mm]

| | | | | |
|-----|----|----|----|-----|
| min | 43 | 57 | 53 | 71 |
| max | 56 | 72 | 82 | 100 |

To suit insulation thickness [mm]

| | | | | |
|-----|----|----|----|----|
| min | 31 | 45 | 41 | 59 |
| max | 44 | 60 | 70 | 88 |



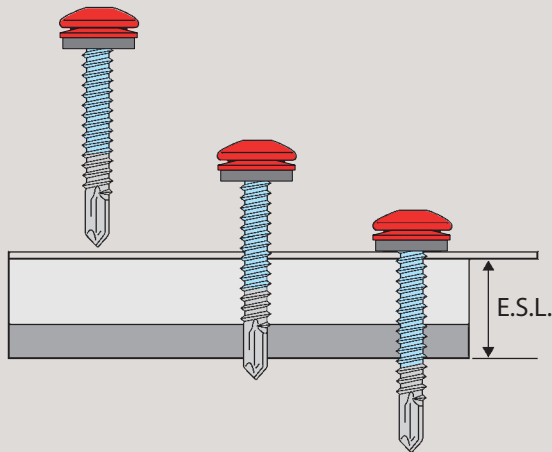
7970/21 – low-profile-head screws setting tool

Aesthetic low profile stainless steel drill-screws

bimetal austenitic stainless steel grade 304 / A2 drill-screws with DS drive.

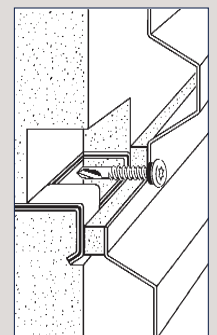
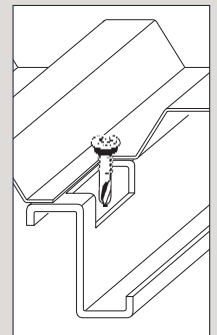



Application examples



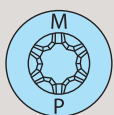
Application:

The stainless part of the drill-screw must always penetrate through the steel structure that it is being fastened to, thereby ensuring that the stainless steel portion of the screw (E.S.L.) is fully engaged in the steel structure.

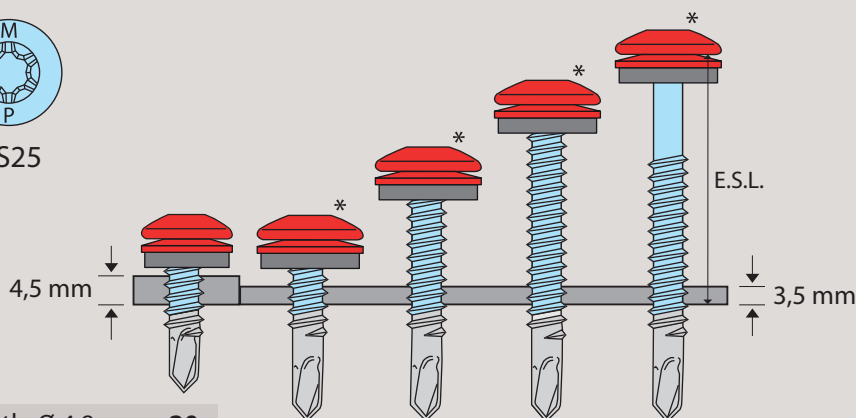


7110  DIBT approval Z-14.1-4 **ETA-10/0199** *

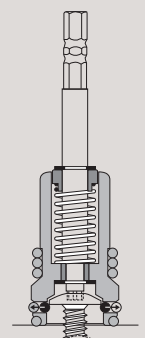
Low-profile-head **bimetal** stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm.



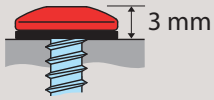
DS25



| | | | | | |
|----------------|-----------|-----------|-----------|-----------|--------------|
| Length Ø 4,8 x | 20 | | | | |
| Ø 5,5 x | | 25 | 38 | 50 | 60 mm |
| E.S.L. | 8 | 10 | 18 | 30 | 48 mm |



7970/21 – low-profile-head screws setting tool



7115 / 7515

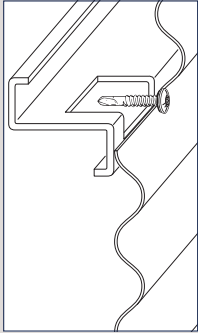


* DIBT approval Z-14.1-4

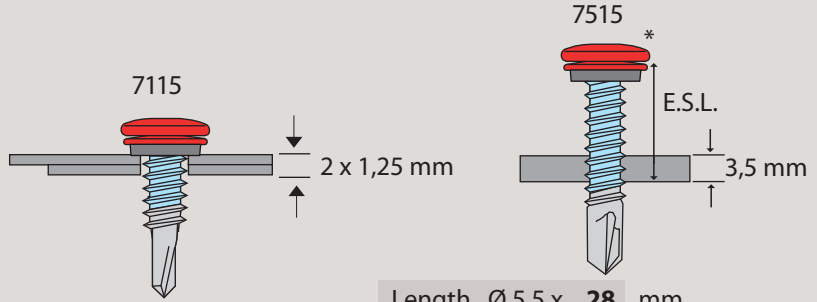
ETA-10/0199 *

bimetal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25),
 7115: reduced drill-point № 1, for stitching overlapping profiled sinusoidal sheets together to a maximum of 2 x 1,25 mm.
 7515: drill-point № 2, for fastening to cold-rolled rails and purlins from 1,2 – 3,5 mm.

Application examples



DS25



Length $\varnothing 5,5 \times 25$ mm
 E.E.L. 9 mm

Length $\varnothing 5,5 \times 28$ mm
 E.E.L. 12 mm

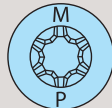
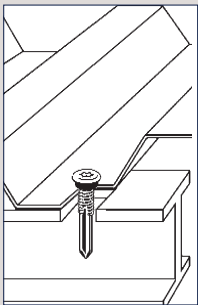
7120



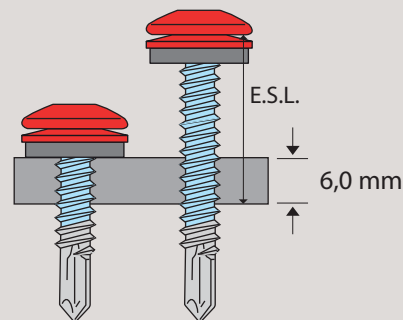
DIBT approval Z-14.1-4

ETA-10/0199

Low-profile-head **bimetal** stainless steel grade 304 / A2 drill-screws with DS-drive (DS25),
 drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.



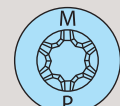
DS25



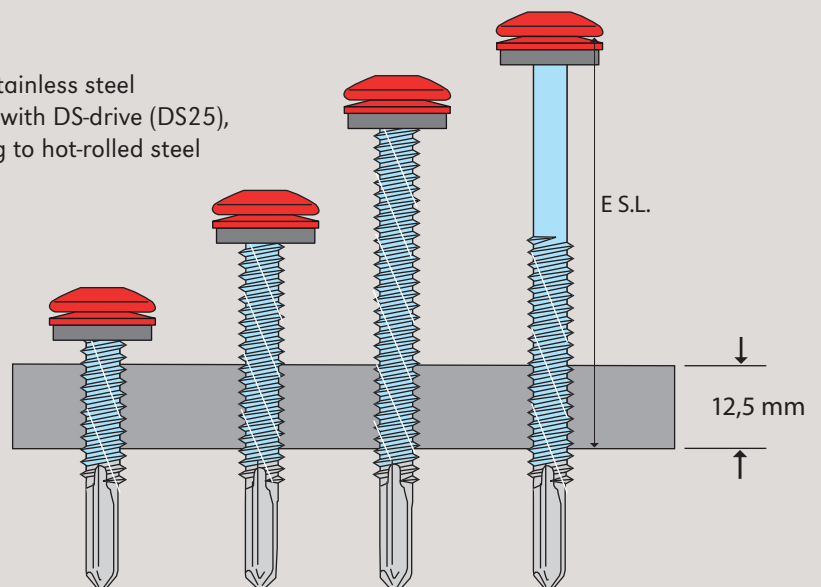
Length $\varnothing 5,5 \times 26$ 38 mm
 E.S.L. 10 23 mm

7130

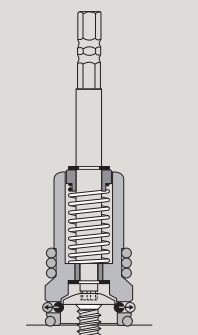
Low-profile-head **bimetal** stainless steel grade 304 / A2 drill-screws with DS-drive (DS25),
 drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.



DS25



Length $\varnothing 5,5 \times 40$ 50 62 80 mm
 E.S.L. 16 26 38 56 mm



7970/21 - low-profile-head setting tool

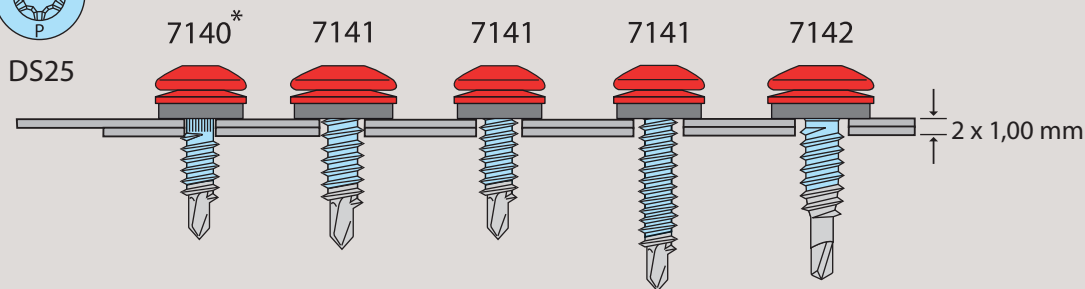
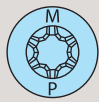
7140 / 7141 / 7142



DIBT approval Z-14.1-4

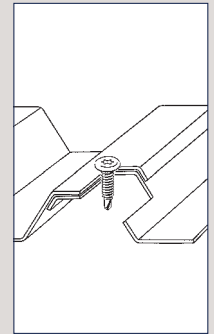
ETA-10/0199

Low-profile-head **bimetal** stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), reduced drill-point № 1 (7140 with a thread free zone), for stitching profiled sheets together to a maximum of 2 x 1,00 mm.



| | | | | | |
|----------------|-----------|-----------|-----------|-----------|-------|
| Length Ø 4,8 x | 20 | | 20 | 30 | |
| Ø 5,5 x | | | | | 23 mm |
| Ø 6,3 x | | 25 | | | |
| E.S.L. | 8 | 13 | 8 | 18 | 8 mm |

Application examples



7160



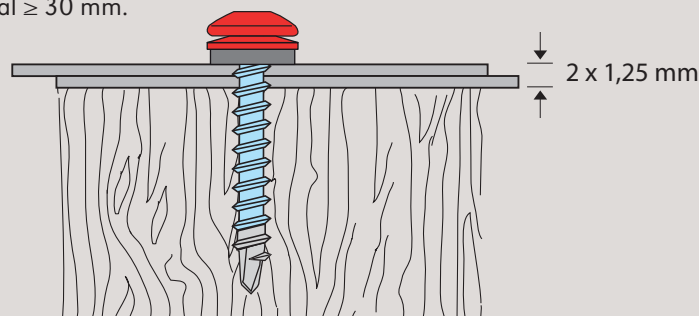
DIBT approval Z-14.1-4

ETA-10/0199

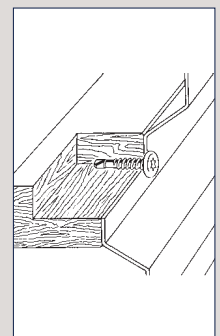
Low-profile-head **bimetal** stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), reduced drill-point № 1 for fastening profiled sheets of maximum 2 x 1,25 mm to timber. Fastening depth according to approval ≥ 30 mm.



DS25



| | |
|----------------|--------------|
| Length Ø 4,8 x | 35 mm |
| E.S.L. | 22 mm |

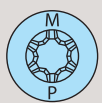


7180 / 7182

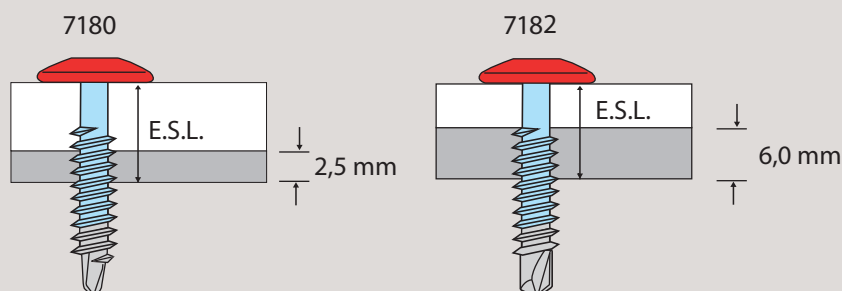
Bimetal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), drill-point № 2.

7180: for fastening fibre boards to steel of 2,5 mm and drill-point № 2.

7182: for fastening fibre boards to steel of 6,0 mm and drill-point № 4.

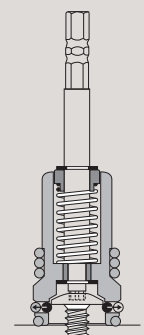


DS25



| | |
|----------------|--------------|
| Length Ø 4,8 x | 25 mm |
| E.S.L. | 12 mm |

| | |
|----------------|--------------|
| Length Ø 4,8 x | 30 mm |
| E.S.L. | 15 mm |



7970/21 - low-profile-head screws setting tool

Carbon steel low flat head drill-screws

Application examples

7213 / 7214 / 7215

Drill-screws with low-flat-hex-head (AF8), drill-point No 3, for fastening secret fix clips to cold rolled purlins from 1,5 – 5,0 mm. Article 7213 for fastening secret fix clips to timber.

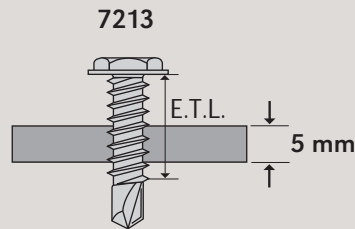
7213: with drill-point No 3, drill capacity 1,5 - 5,0 mm

7214: with red. drill-point No 1, drill capacity max. 2 x 1,0 mm steelsheets

7215: with drill-point No 4, drill capacity 2 x 1,5 to max. 4 x 1,5 mm

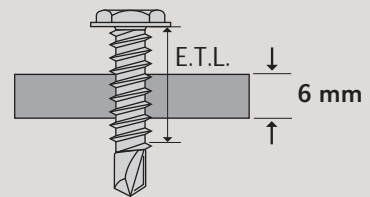


AF8



| | | | |
|--------|---------|----|----|
| Length | Ø 5,5 x | 19 | mm |
| E.T.L. | | 11 | mm |

7215



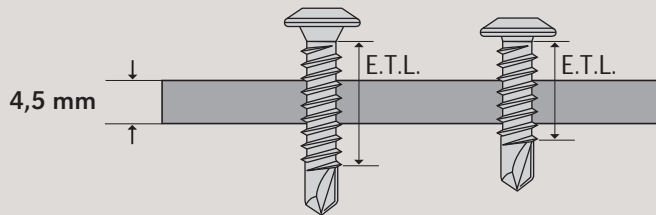
| | | | | |
|--------|---------|----|----|----|
| Length | Ø 5,5 x | 25 | 32 | mm |
| E.T.L. | | 11 | 18 | mm |

7270

Wafer-head (PH2) drill-screws for fastening secret-fix brackets onto purlins of max. 4,5 mm.



PH2



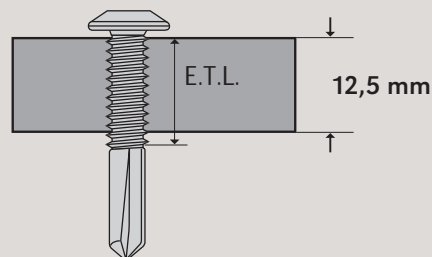
| | | | | |
|--------|---------|----|----|----|
| Length | Ø 4,8 x | 22 | 19 | mm |
| | Ø 5,5 x | | 19 | mm |
| E.T.L. | | 14 | 11 | mm |

7337K

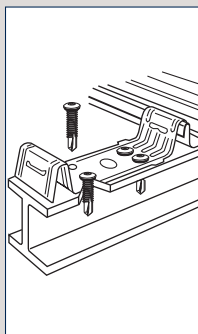
Wafer-head (PH2) drill-screws for fastening secret-fix brackets onto purlins of max. 12,5 mm.



PH2



| | | | |
|--------|---------|----|----|
| Length | Ø 5,5 x | 32 | mm |
| E.T.L. | | 14 | mm |



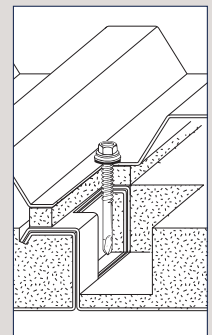
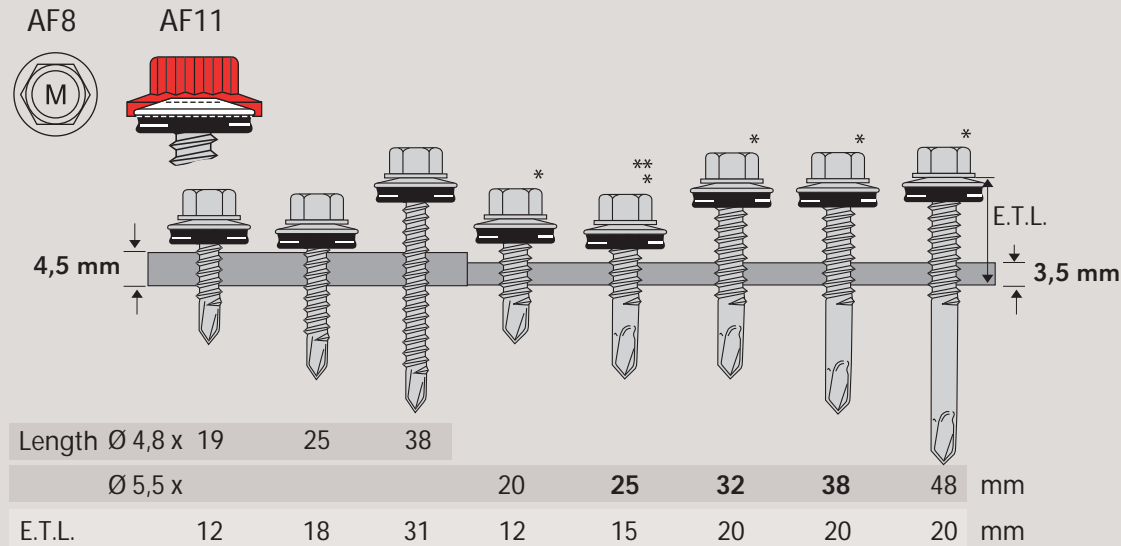
Carbon-steel hex head drill-screws


7310  DIBT approval Z-14.1-4 **ETA-10/0199** *

Hex-head (AF8) drill-screws with drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm (Ø 5,5) / – 4,5 mm (Ø 4,8).

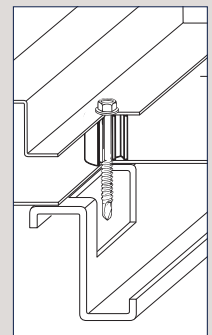
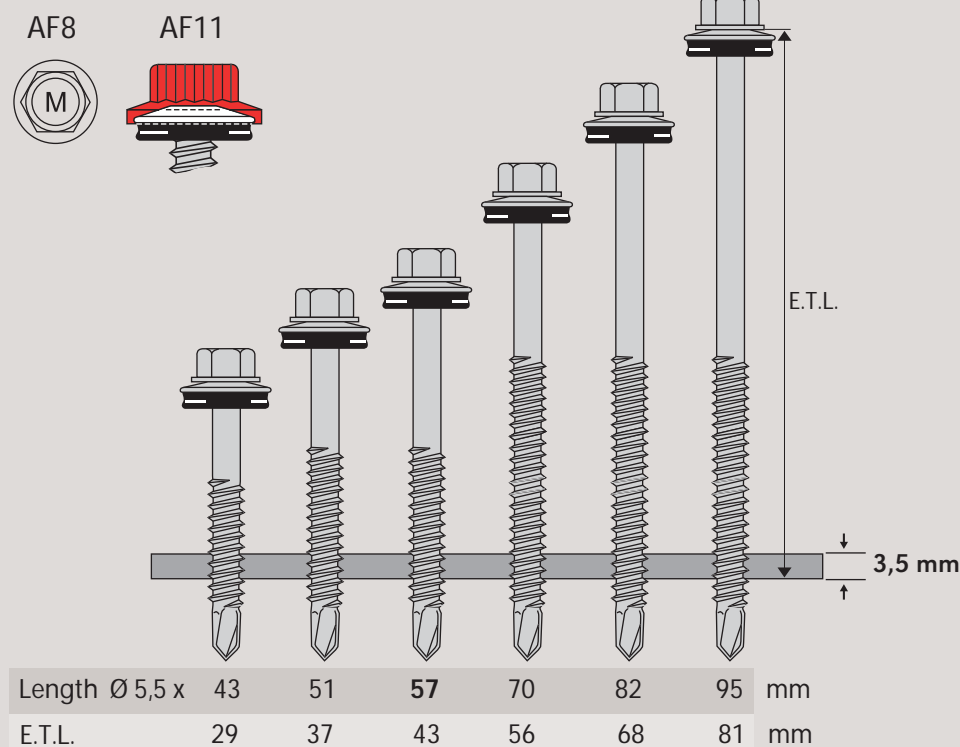
** 7310 in size Ø 5,5 x 38 is also available with nylon head-wings for fastening membrane insulated panels, see page 8.

Application examples

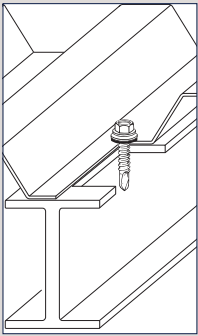


7320  DIBT approval Z-14.1-4 **ETA-10/0199**

Hex-head (AF8) drill-screws with drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 1,0 – 3,5 mm.



Application examples



7325



DIBT approval Z-14.1-4

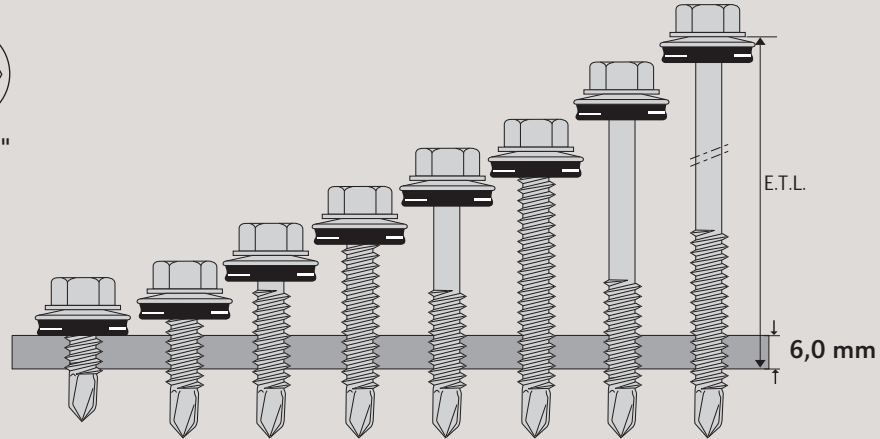
ETA-10/0199

Hex-head (AF 3/8") drill-screws with drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.

All lengths are also available with AF8 head as «7327» (upon request).



AF 3/8"



| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|
| Length Ø 6,3 x 19 | 25 | 32 | 38 | 45 | 50 | 60 | 70 | 80 | 100 | 115 | 126 | mm | |
| E.T.L. | 4 | 10 | 17 | 30 | 30 | 35 | 45 | 55 | 65 | 85 | 100 | 111 | mm |

7330

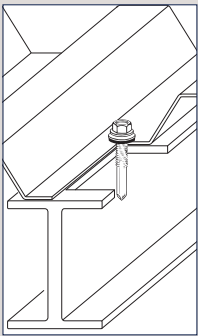


DIBT approval Z-14.1-4

ETA-10/0199

Hex-head (AF8) drill-screws with drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.

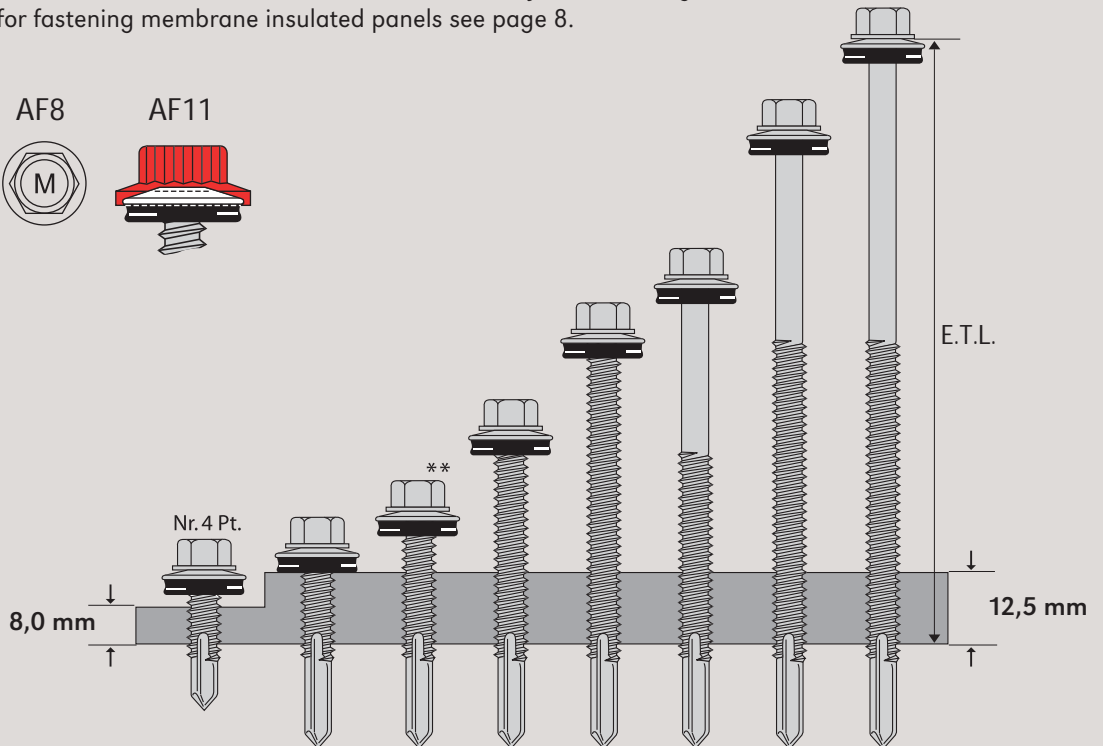
** 7330 in size Ø 5,5 x 38 is also available with nylon head-wings for fastening membrane insulated panels see page 8.




AF8



AF11

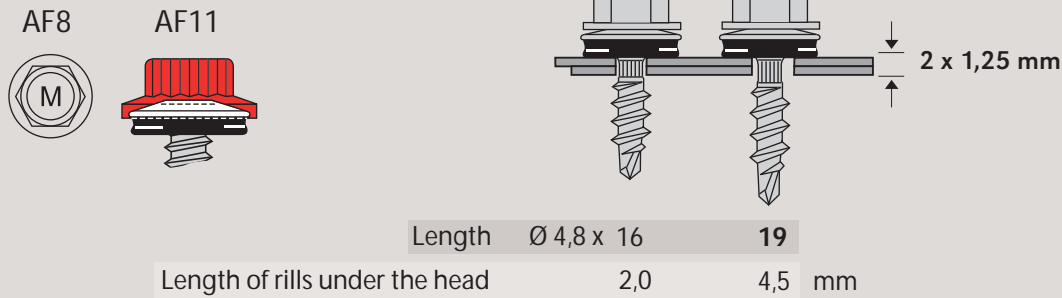


| | | | | | | | | | |
|-------------------|----|----|----|----|----|-----|-----|----|----|
| Length Ø 5,5 x 22 | 32 | 38 | 51 | 67 | 76 | 100 | 115 | mm | |
| Ø 6,3 x | | 38 | 51 | | | | | | |
| E.T.L. | 8 | 11 | 17 | 30 | 46 | 55 | 79 | 94 | mm |

7335  **DIBT approval Z-14.1-4** **ETA-10/0199** *

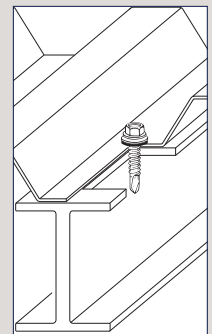
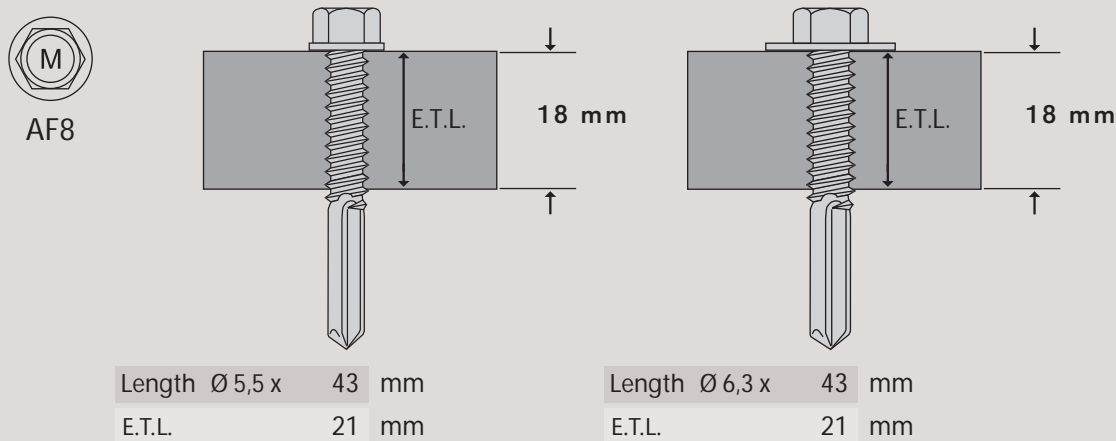
Hex-head (AF8) drill-screws with reduced drill-point № 1, with thread free zone (Ø 5,5 x 25 mm – without thread free zone), for stitching profiled sheets together to a maximum of 2 x 1,25 mm.


Application examples



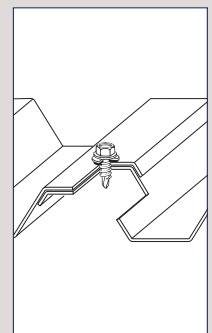
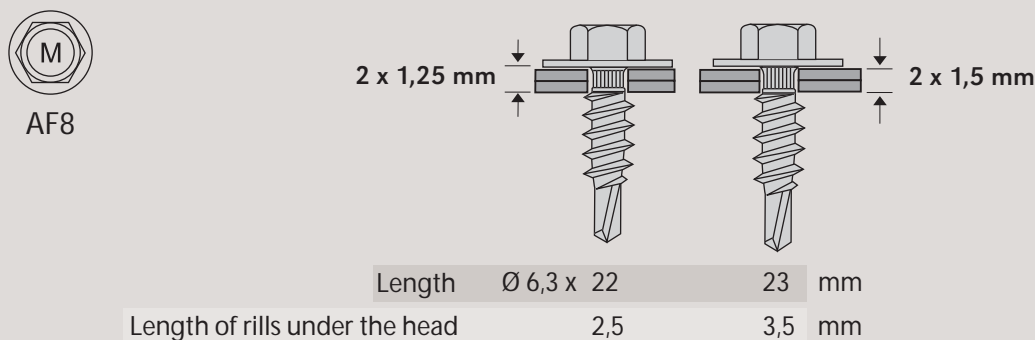
7336

Hex-washer-head (AF8) drill-screws with drill-point № 6, for fastening to hot rolled rails and purlins from 6,0 – 18,0 mm.



7339  **DIBT approval Z-14.1-4** **ETA-10/0199** *

Hex-washer-head (AF8) drill-screws with reduced drill-point № 1, with thread free zone, with large 15 mm flange for stitching profiled sheets together to a maximum of 2 x 1,25 mm and 2 x 1,5 mm.



7340

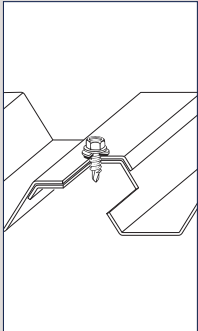


DIBT approval Z-14.1-4

ETA-10/0199*

Application examples

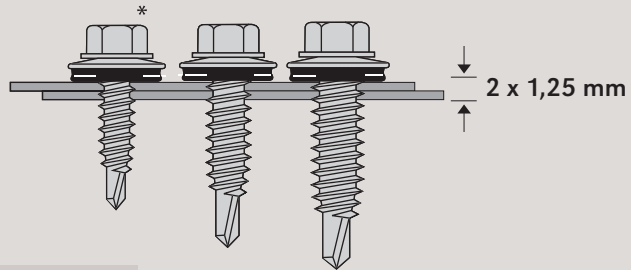
Hex-head (AF8) drill-screws with reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm.



AF8



AF11



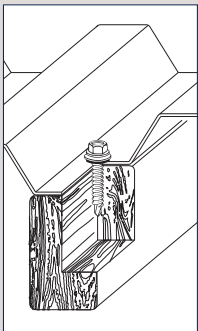
Length Ø 4,8 x 20

Ø 6,3 x 22

Ø 7,2 x 28 mm

7341

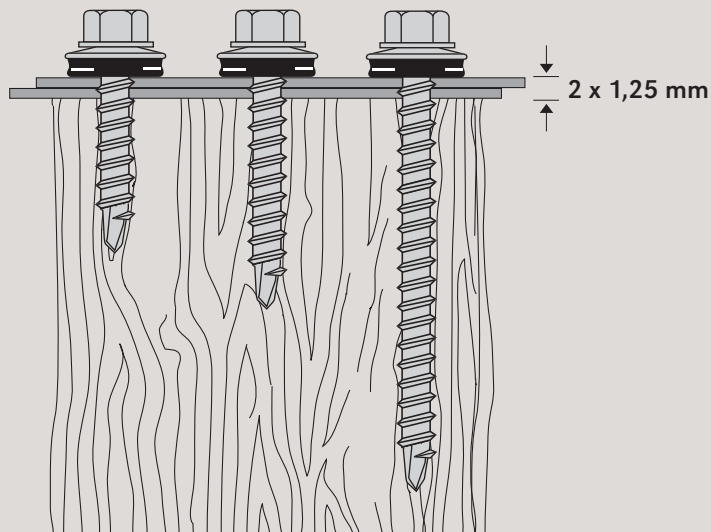
Hex-head (AF8) drill-screws with reduced drill-point № 1, for fastening profiled sheets to a timber substrate.



AF8



AF11




Length Ø 4,8 x

28

35

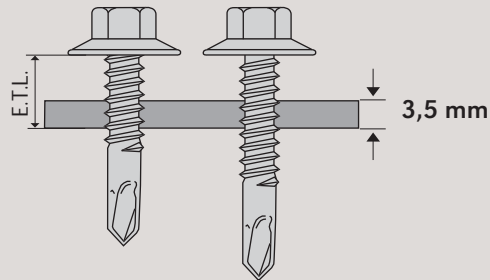
60 mm

7342  DIBT approval Z-14.1-4 **ETA-10/0199**

Hex-washer-head (AF8) drill-screws with large 15 mm flange and reduced drill-point № 2, for fastening to cold-rolled rails and purlins from 1,2 – 3,5 mm.
Also available with EPDM sealing ring.



AF8



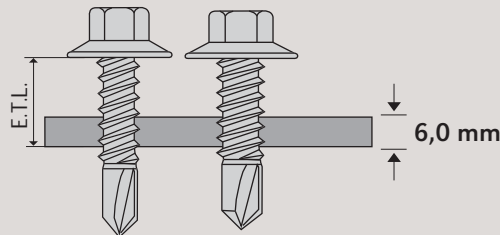
| | | | |
|----------------|----|----|----|
| Length Ø 5,5 x | 25 | 32 | mm |
| E.T.L. | 6 | 14 | mm |

7343

Hex-washer-head (AF8) drill-screws with large 15 mm flange and drill-point № 3, for fastening to cold-rolled rails and purlins from 2,0 – 6,0 mm.
Also available with EPDM sealing ring.



AF8



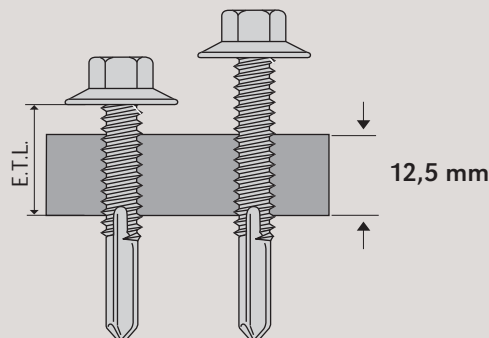
| | | | |
|----------------|---------|----|----|
| Length Ø 5,5 x | 25 | | |
| | Ø 6,3 x | 22 | mm |
| E.T.L. | 14 | 10 | mm |

7344  DIBT approval Z-14.1-4 **ETA-10/0199**

Hex-washer-head (AF8) drill-screws with large 15 mm flange and drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.
Also available with EPDM sealing ring.

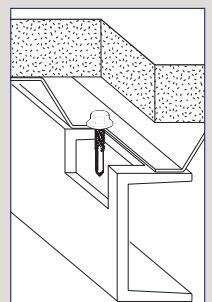
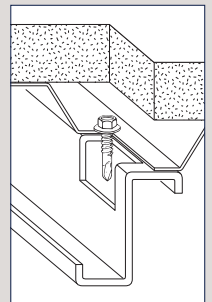
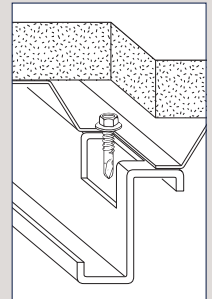


AF8



| | | | |
|----------------|----|----|----|
| Length Ø 5,5 x | 32 | 38 | mm |
| E.T.L. | 11 | 17 | mm |

Application examples



7346

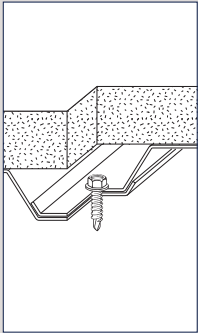


DIBT approval Z-14.1-4

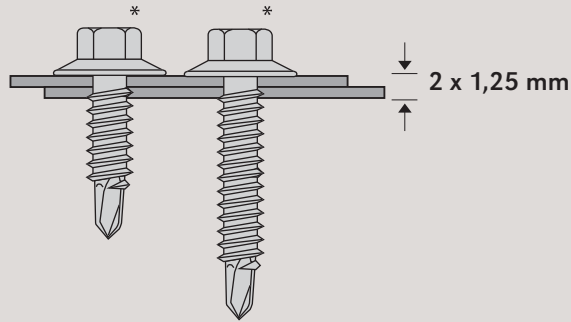
ETA-10/0199

Application examples

Hex-washer-head (AF8) drill-screws with large 15 mm flange and reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm. Also available with EPDM sealing ring.



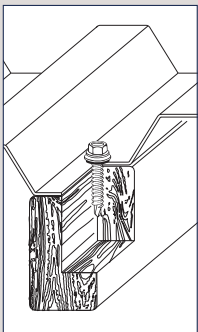
AF8



Length $\varnothing 6,3 \times$ 22 32 mm

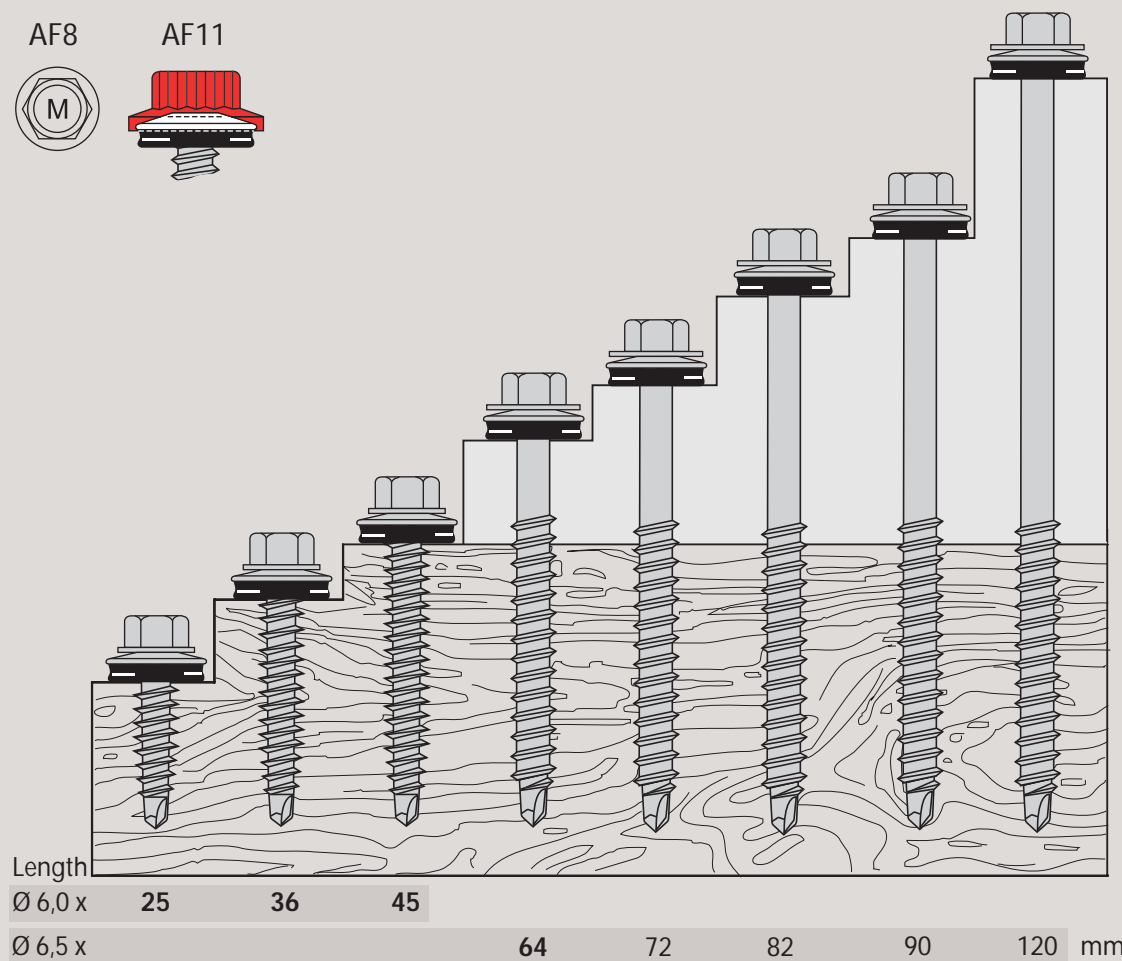
7347

Hex-head (AF8) drill-screws with reduced drill-point № 1, for fastening profiled sheets to a timber substrate.



AF8

AF11



Length

$\varnothing 6,0 \times$

25

36

45

$\varnothing 6,5 \times$

64

72

82

90

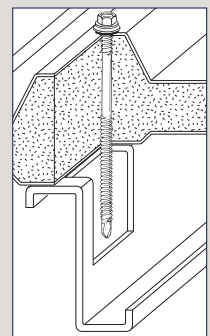
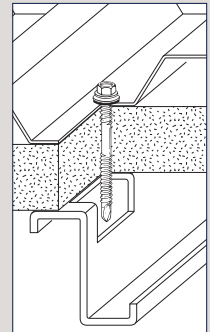
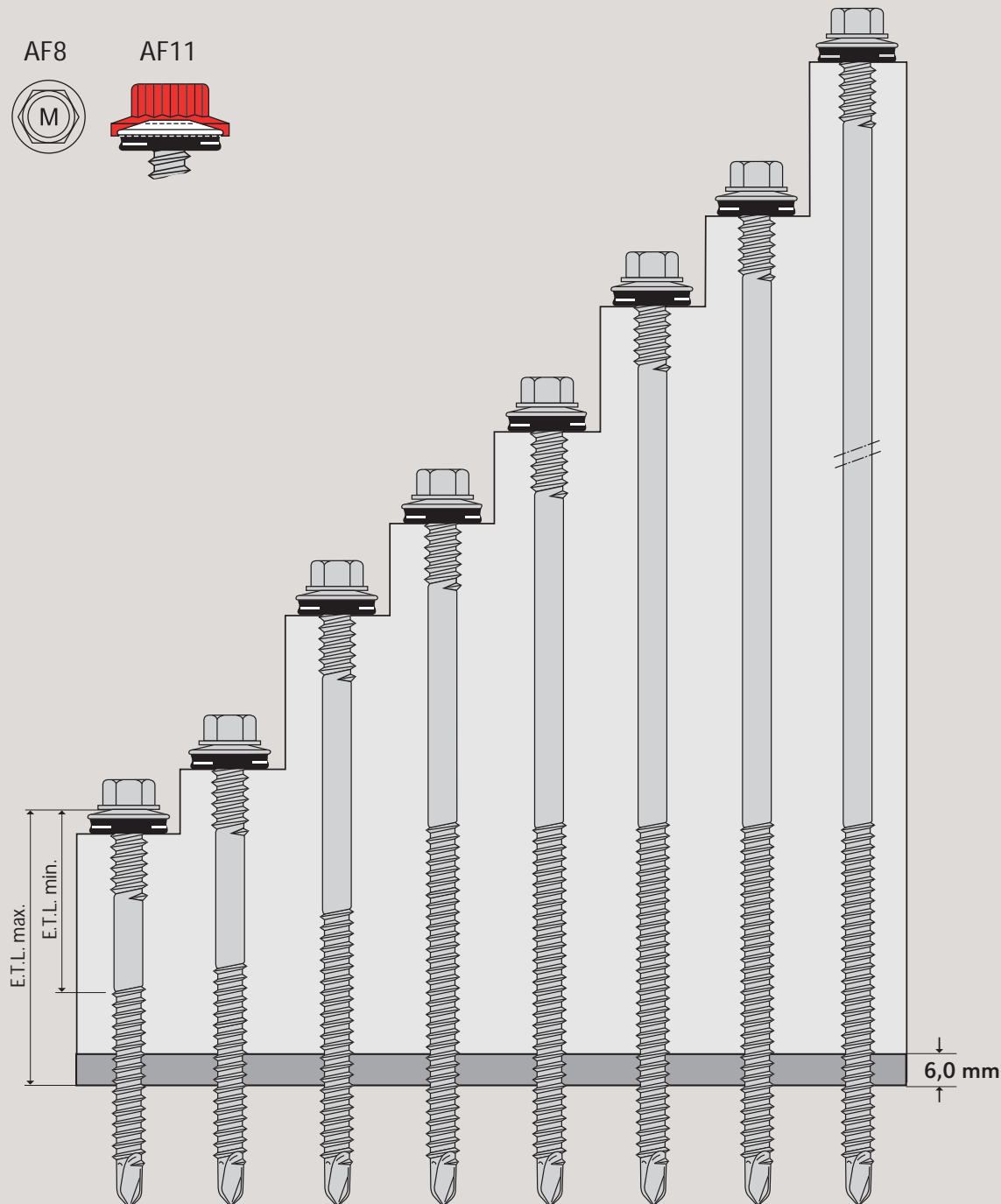
120

mm

7360

Hex-head (AF8) drill-screws with drill-point № 3, with highthread, Ø 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,5 – 6,0 mm.

Application examples



Length [mm]

| | | | | | | | |
|----------------|----|-----|-----|-----|-----|-----|-----|
| Ø 5,5/6,3 x 60 | 75 | 100 | 115 | 130 | 150 | 165 | 190 |
|----------------|----|-----|-----|-----|-----|-----|-----|

E.T.L. [mm]

| | | | | | | | | |
|-----|----|----|----|----|-----|-----|-----|-----|
| min | 27 | 37 | 55 | 55 | 70 | 90 | 105 | 113 |
| max | 44 | 59 | 84 | 99 | 114 | 134 | 149 | 174 |

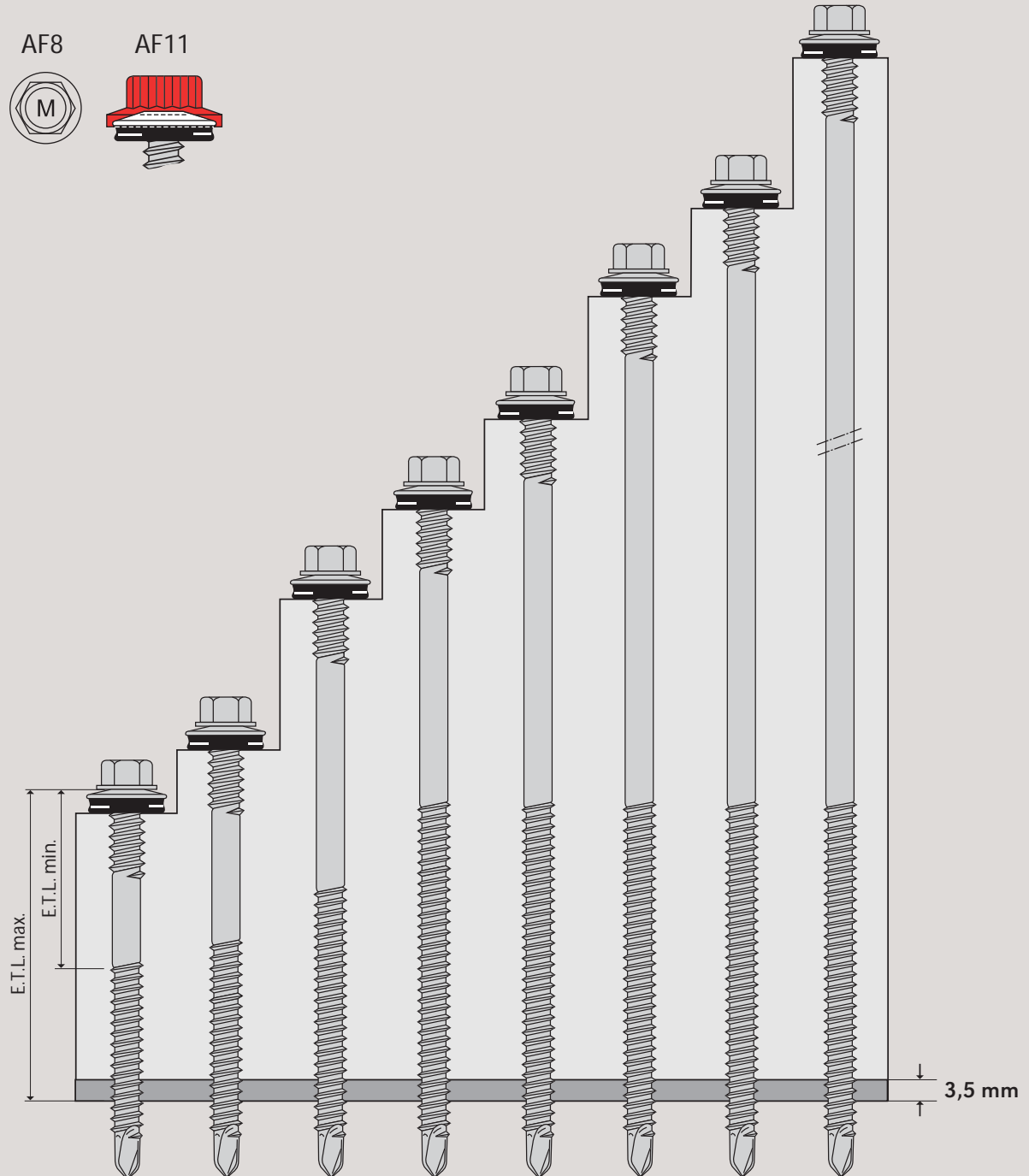
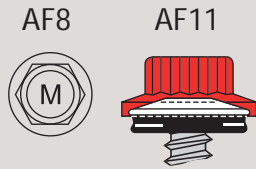
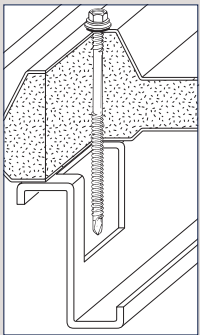
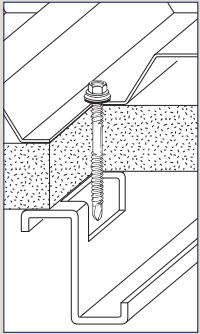
To suit insulation thickness [mm]

| | | | | | | | | |
|-----|----|----|----|----|-----|-----|-----|-----|
| min | 21 | 31 | 49 | 49 | 64 | 84 | 99 | 107 |
| max | 38 | 53 | 78 | 93 | 108 | 128 | 143 | 168 |

7362

Application examples

Hex-head (AF8) drill-screws with drill-point № 2, with highthread, \varnothing 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,2 – 3,5 mm.



| Length [mm] | 75 | 100 | 115 | 130 | 150 | 165 | 190 |
|--|----|-----|-----|-----|-----|-----|-----|
| \varnothing 5,5/6,3 x 60 | 75 | 100 | 115 | 130 | 150 | 165 | 190 |
| E.T.L. [mm] | | | | | | | |
| min | 27 | 37 | 55 | 55 | 70 | 90 | 105 |
| max | 46 | 61 | 86 | 101 | 116 | 136 | 176 |
| To suit insulation thickness [mm] | | | | | | | |
| min | 24 | 24 | 52 | 52 | 67 | 87 | 102 |
| max | 42 | 57 | 82 | 97 | 112 | 132 | 172 |

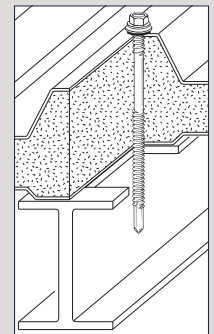
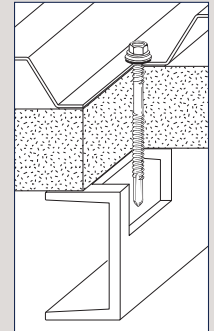
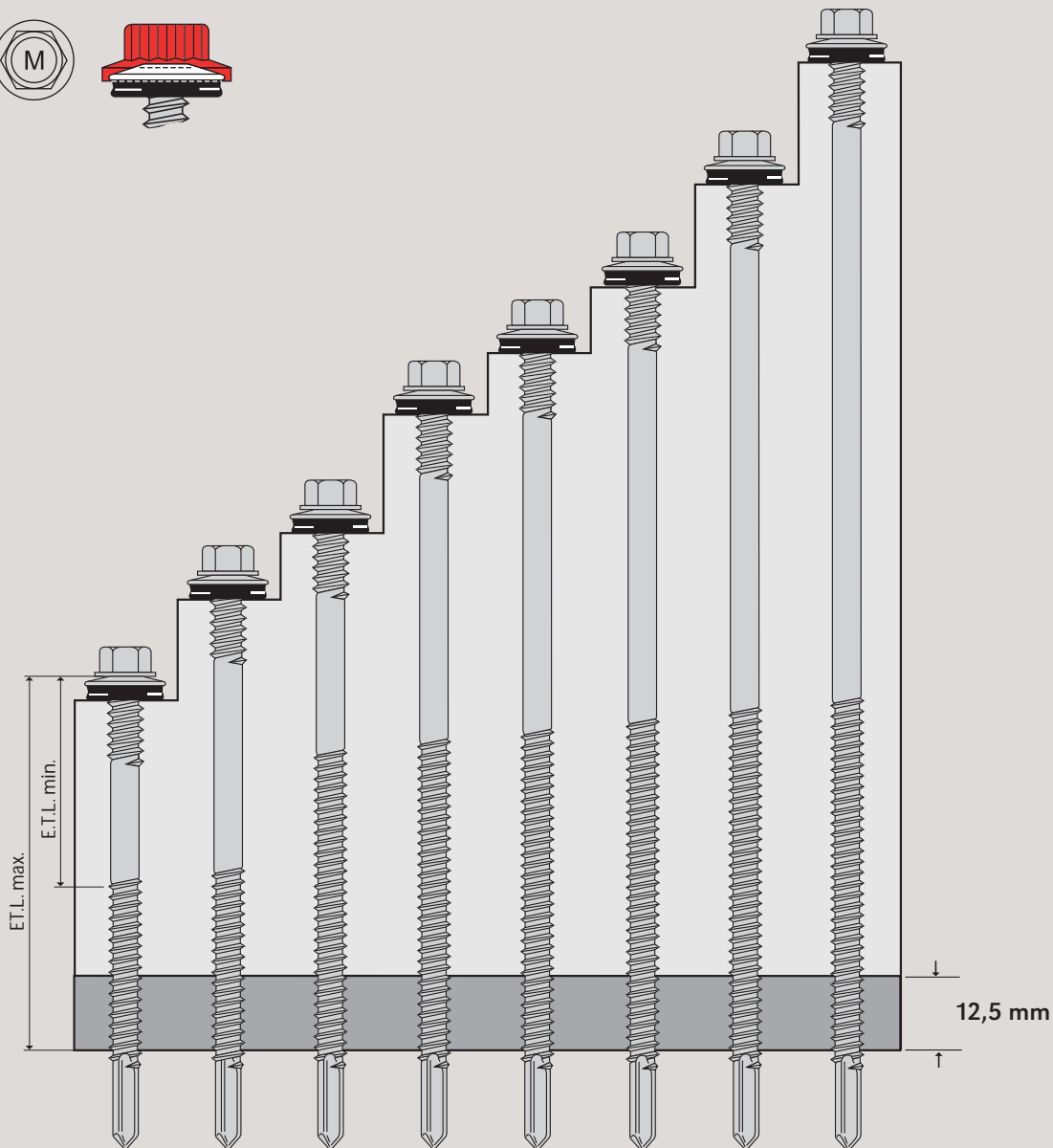
7370

Hex-head (AF8) drill-screws with drill-point № 5, with highthread, \varnothing 5,5/6,3 mm, for fastening composite panels to hot-rolled steel from 4,0 – 12,5 mm.

Application examples

AF8

AF11



Length [mm]

\varnothing 5,5/6,3 x 76 92 102 120 130 140 155 175 190 210 240

E.T.L. [mm]

| | | | | | | | | | | | |
|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| min | 39 | 55 | 51 | 69 | 79 | 89 | 104 | 124 | 113 | 133 | 163 |
| max | 54 | 70 | 80 | 98 | 108 | 118 | 133 | 153 | 168 | 188 | 218 |

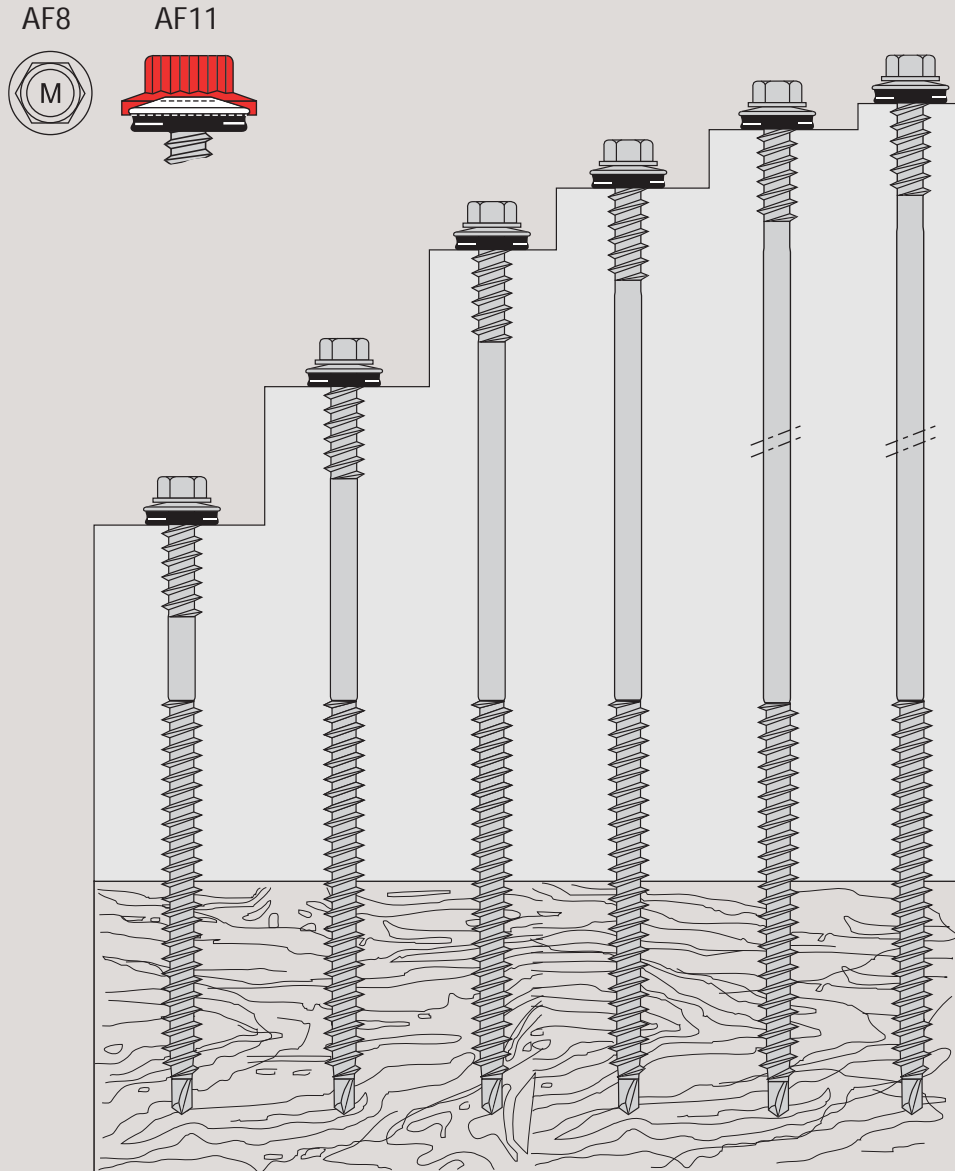
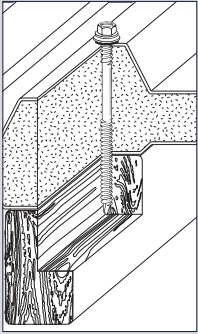
To suit insulation thickness [mm]

| | | | | | | | | | | | |
|-----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| min | 27 | 43 | 39 | 57 | 67 | 77 | 92 | 112 | 101 | 121 | 151 |
| max | 42 | 58 | 68 | 86 | 96 | 106 | 121 | 141 | 156 | 176 | 206 |

7380

Application examples

Hex-head (AF8) drill-screws with reduced drill-point №1, with high-thread $\text{\O} 6,0/7,0$ mm, for fastening composite panels to timber purlins.



Length [mm]

| | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|--|
| $\text{\O} 6,0/7,0 \times 90$ | 110 | 130 | | | | |
| $\text{\O} 6,5/7,0 \times$ | | | 150 | 175 | 200 | |

To suit insulation thickness [mm]

| | | | | | | |
|-----|----|----|----|-----|-----|-----|
| min | 25 | 45 | 65 | 85 | 110 | 135 |
| max | 40 | 60 | 80 | 100 | 125 | 150 |

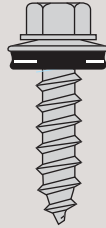
Carbon-steel self-tapping screws

7353

Self-tapping-hex-head (AF8) screws, **type A**, for fastening steel profiles to timber substrate or to cold-rolled rails and purlins up to a maximum of 3,0 mm.



AF8



Recommended drill-bit diameters for type A self-tapping screws

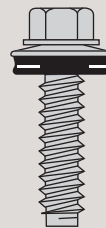
| Profile Thickness [mm] | Drill-bit Ø [mm] |
|------------------------|------------------|
| 0,63 – 0,75 | 4,00 |
| 0,88 – 1,25 | 4,50 |
| 1,50 – 2,00 | 5,00 |
| 2,00 – 3,00 | 5,70 |
| timber substrate | 4,80 |

7373

Self-tapping-hex-head (AF8) screws, **type B**, for fastening steel profiles to cold-rolled steel over 3,0 mm. The first 5 mm's of the screw must always penetrate through the steel structure it is fastened to.



AF8



Recommended drill-bit diameters for type B self-tapping screws

| Profile Thickness [mm] | Drill-bit Ø [mm] |
|------------------------|------------------|
| 1,25 – 1,50 | 5,00 |
| 2,00 – 4,00 | 5,30 |
| 4,00 – 7,00 | 5,50 |
| more than 7,00 | 5,70 |

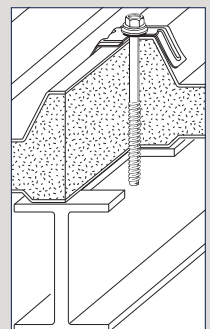
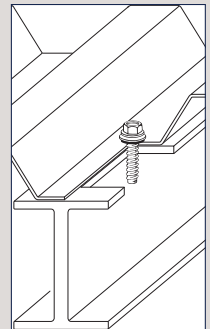
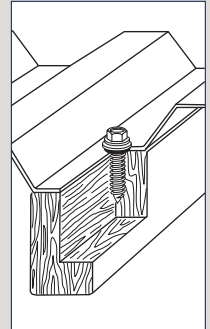
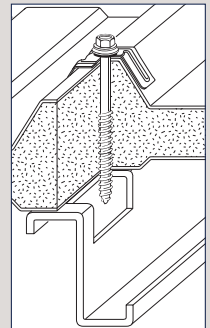
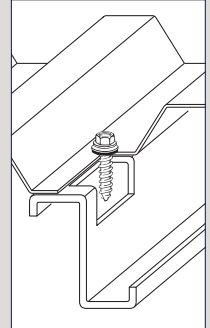
Art. 7353 (Ø 6,5): Dimensions / Lengths

6,5 x 20 mm
6,5 x 25 mm
6,5 x 32 mm
6,5 x 38 mm
6,5 x 45 mm
6,5 x 50 mm
6,5 x 65 mm
6,5 x 75 mm
6,5 x 90 mm
6,5 x 100 mm
6,5 x 115 mm
6,5 x 125 mm
6,5 x 150 mm
6,5 x 175 mm
6,5 x 200 mm

Art. 7373 (Ø 6,3): Dimensions / Lengths

6,3 x 20 mm
6,3 x 25 mm
6,3 x 32 mm
6,3 x 38 mm
6,3 x 45 mm
6,3 x 50 mm
6,3 x 65 mm
6,3 x 75 mm
6,3 x 90 mm
6,3 x 100 mm
6,3 x 115 mm
6,3 x 125 mm
6,3 x 150 mm
6,3 x 175 mm
6,3 x 200 mm

Application examples

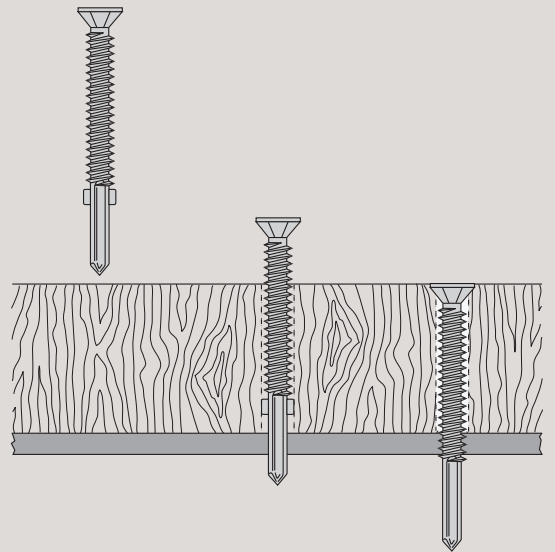


Application examples

Carbon steel winged drill-screws

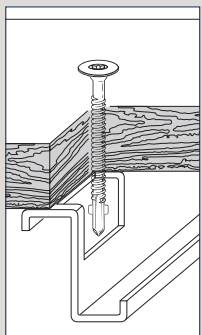
Product application

The wing-tipped-screw reams a hole through the timber. Upon penetration into the steel the wings break away.



7411 / 7412

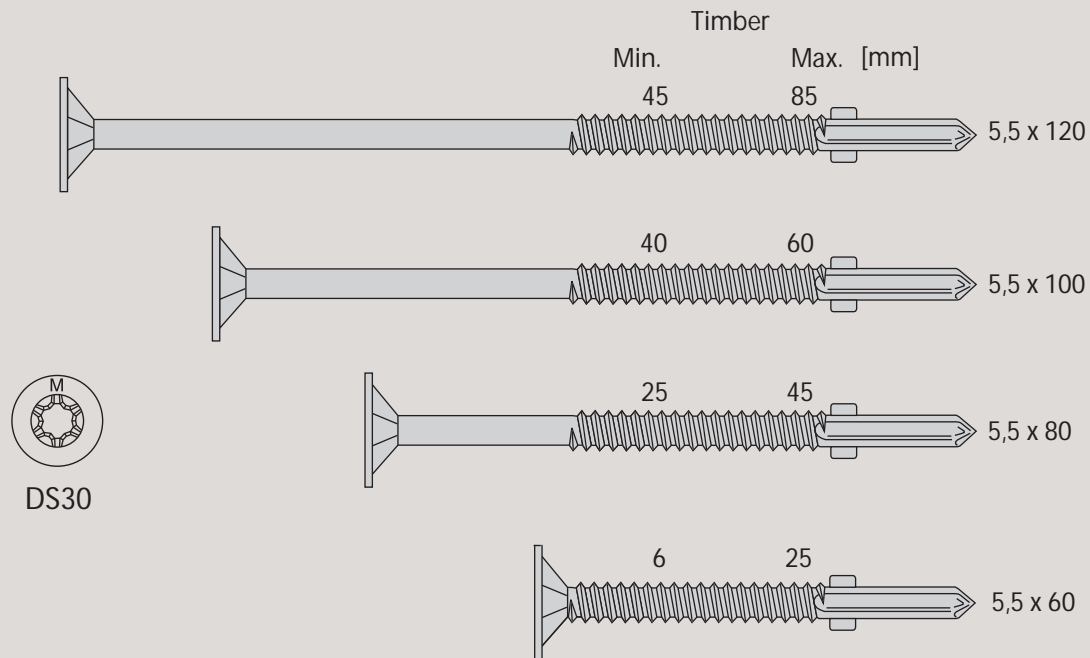
Drill-screws with ribbed-countersunk-head, and wings, with Torx 30 drive (7411) and with DS drive (7412), for fastening timber to steel substrate from 1,5 – 2,5(ø3,9); – 3,5(ø4,2); – 4,5(ø4,8); – 5,0(ø5,5)mm.



| | | Timber | | |
|------|------|--------|----------|-----------|
| | | Min | Max [mm] | |
| 7411 | T30 | 75 | 130 | 5,5 x 150 |
| | T30 | 45 | 100 | 5,5 x 120 |
| | T30 | 45 | 80 | 5,5 x 100 |
| | T30 | 25 | 60 | 5,5 x 80 |
| 7412 | DS25 | 30 | 45 | 5,5 x 60 |
| | DS25 | 15 | 35 | 5,5 x 50 |
| | DS25 | 15 | 25 | 4,8 x 45 |
| 7412 | DS25 | 10 | 21 | 4,8 x 38 |
| | DS20 | 5 | 18 | 4,2 x 32 |
| | DS15 | 5 | 15 | 3,9 x 25 |

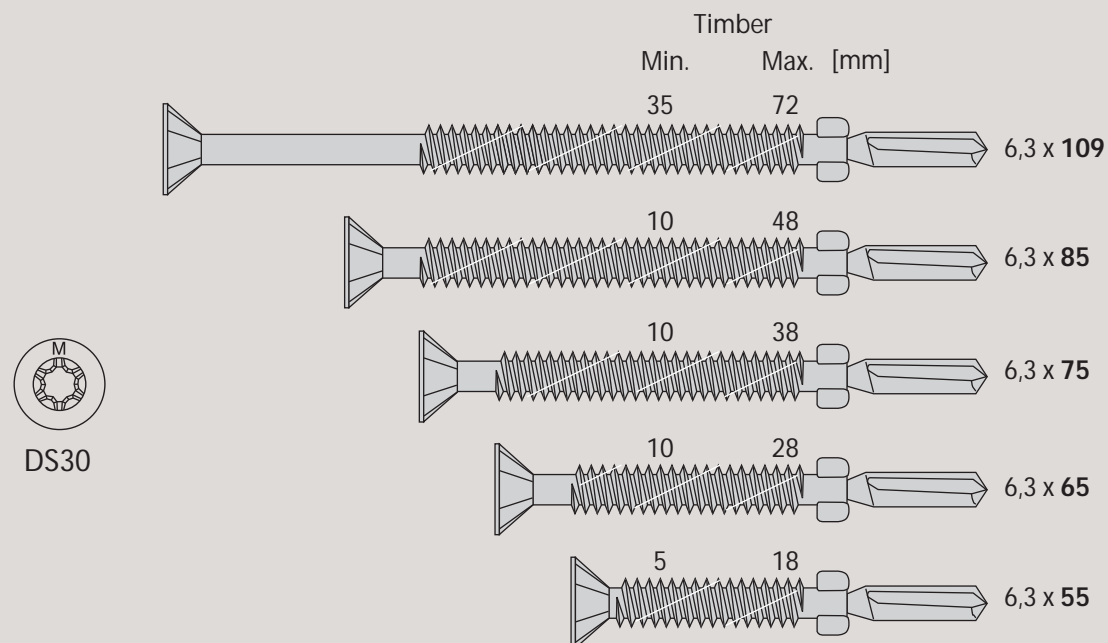
7415

Drill-screw with ribbed-countersunk-head, and wings, for fastening timber to steel substrate from 4,0 – 10,0 mm.



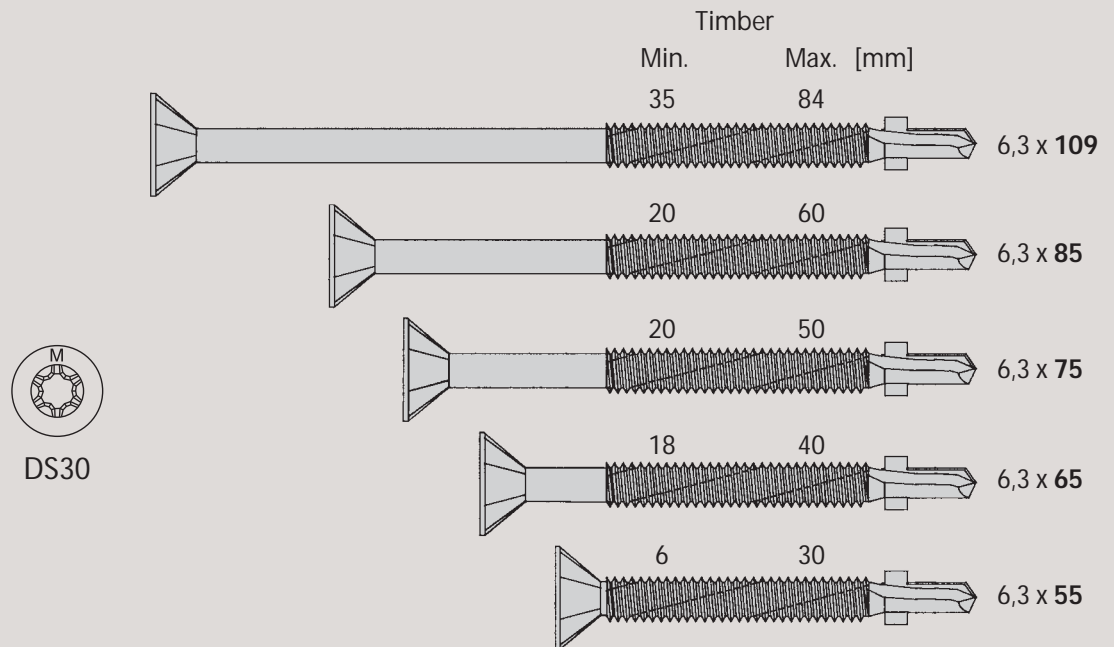
7425

Drill-screws with ribbed-countersunk-head, with wings, and with DS drive, for fastening timber to steel substrate from 4,0 – 10,0 mm.



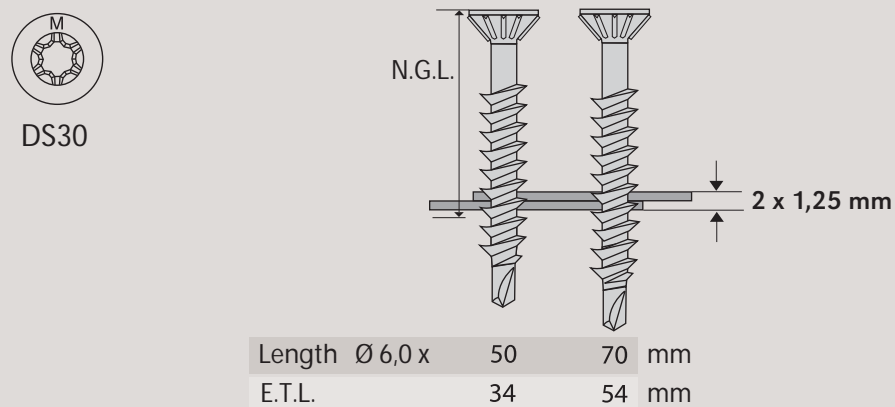
7426

Drill-screw with ribbed-countersunk-head, with wings, and with DS drive, for fastening timber to steel substrate from 1,5 – 6,0 mm.



7431

Drill-screw with countersunk-head, with DS-drive (DS30), drill-point № 1, for fastening timber battens to composite panels.



7441 Dural 1000 Plus

Hex-washer-head (AF8) drill-screws with drill-point № 3, with wings, for fastening fibre-cement corrugated sheets to steel structures from 1,5 – 6,0 mm.

Recommended drill speed: 1600 – 2000 rpm.

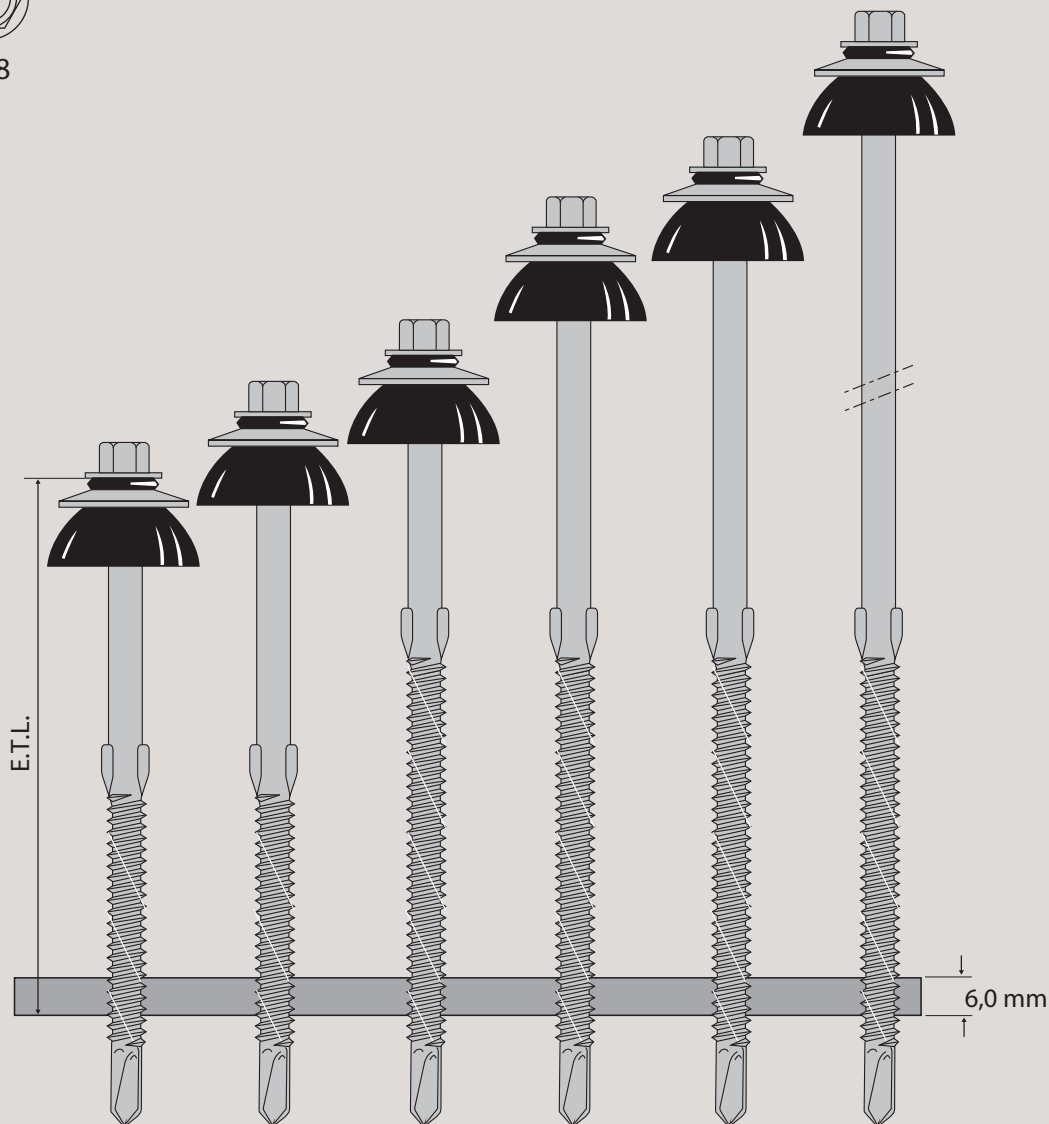
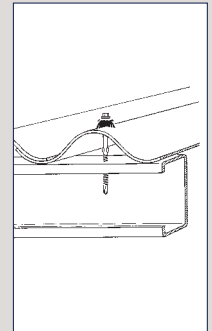
7441 with the length 105 mm is also available with big wings as «7442» (upon request).

7441 with the length 115 mm is also available in bimetal as «7442» (upon request).

Application examples



AF8



| | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|----|
| Length Ø 6,3 x 105 | 115 | 125 | 145 | 155 | 175 | 195 | 230 | mm |
| E.T.L. | 75 | 85 | 115 | 125 | 145 | 165 | 200 | mm |

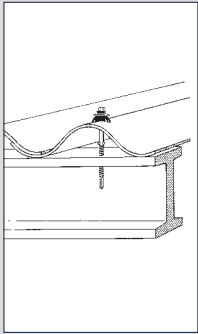
7451 Dural 1000 Plus

Application examples

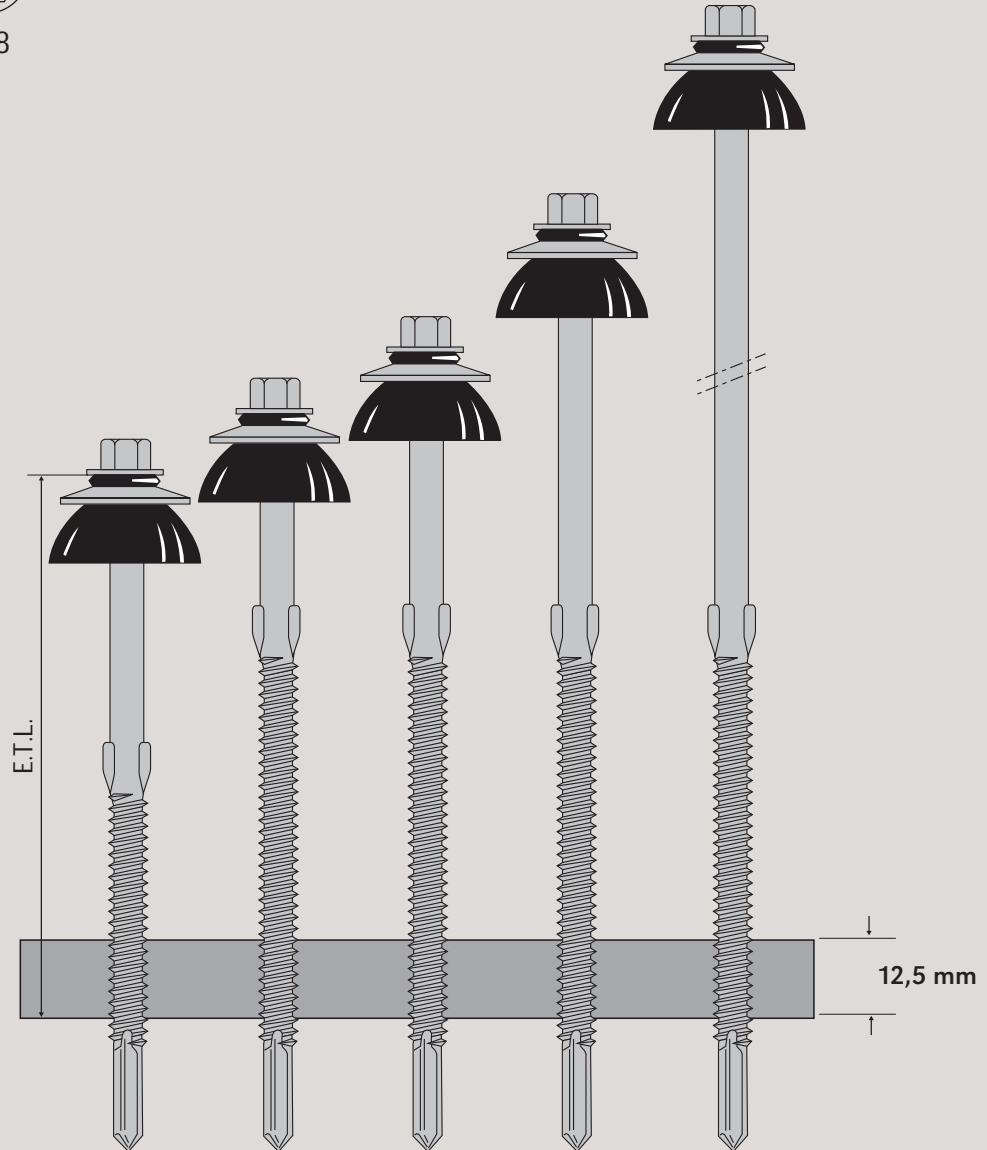
Hex-washer-head (AF8) drill-screws with drill-point № 5, with wings, for fastening fibre-cement corrugated sheets to steel structures from 4,0 – 12,5 mm.

Recommended drill speed: 1000 – 1600 rpm.

7451 with the length 110 is also available with big wings as «7452» (upon request).



AF8



| | | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Length $\varnothing 6,3 \times 110$ | 120 | 130 | 150 | 180 | 200 | 235 | mm |
| E.T.L. | 75 | 85 | 95 | 115 | 145 | 165 | 200 |
| | | | | | | | mm |

7456 Dural 1000 Plus or Hot-dip galvanized

DIBT approval Z-31.4-174
DIBT approval Z-31.4-168

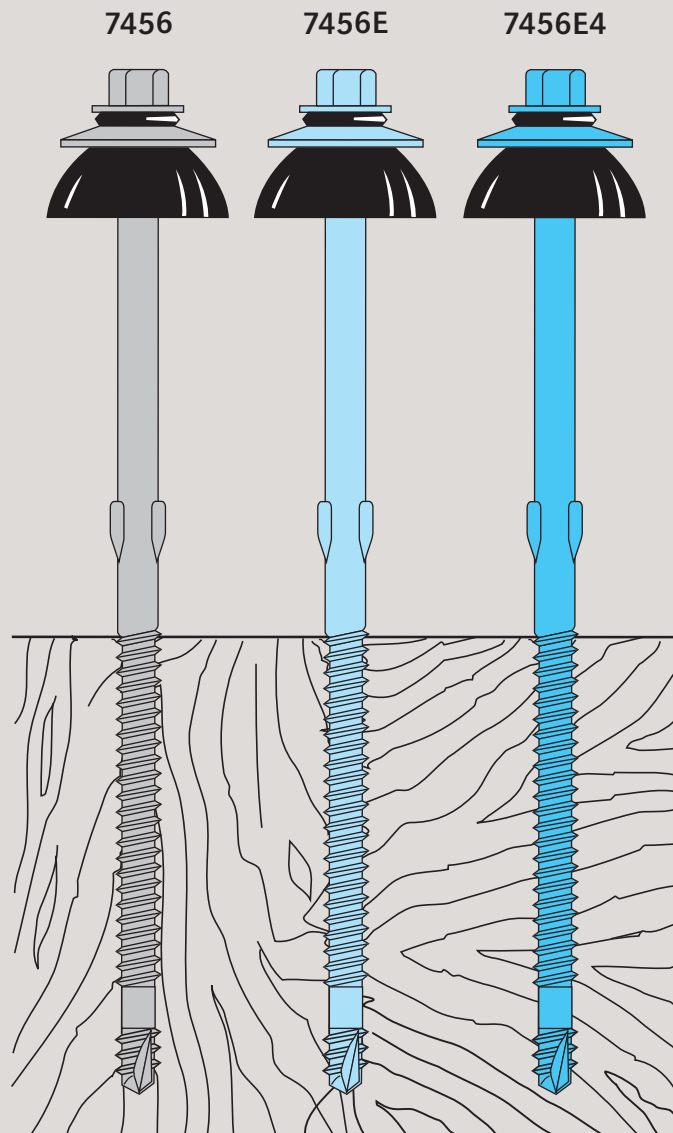
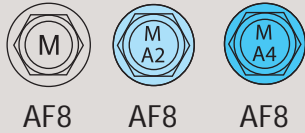
Hex-washer-head (AF8) drill-screws with special drill-point, with wings, for fastening fibre-cement corrugated sheets to timber purlins.

Recommended drill speed: 800 – 1000 rpm.

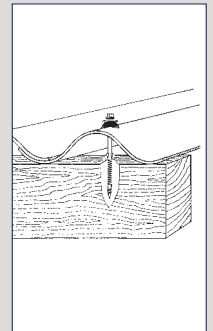
Available in stainless steel grade 304 / A2 upon request.

Available in stainless steel grade 316 / A4 upon request.

Application examples



Length Ø 6,5 x 130 130 130 mm



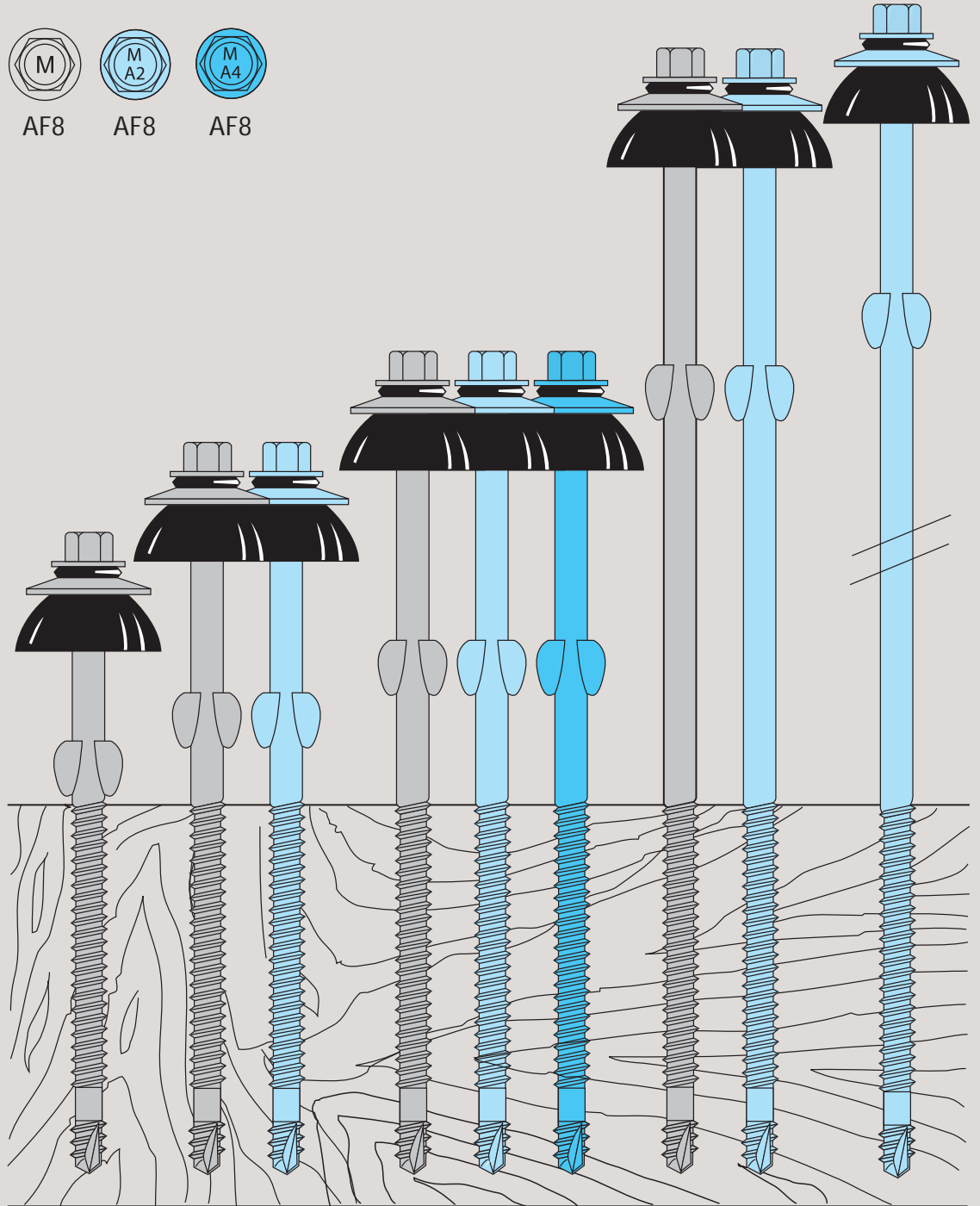
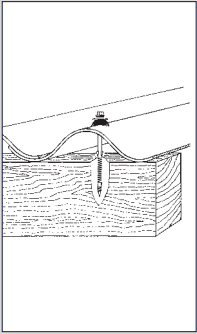
7457 Dural 1000 Plus or Hot-dip galvanized / 7457E / 7457E4

Application examples

Hex-washer-head (AF8) drill-screws with special drill-point, with big wings, for fastening fibre-cement corrugated sheets to timber purlins.

Available in stainless steel grade 304 / A2 upon request.

Available in stainless steel grade 316 / A4 upon request.



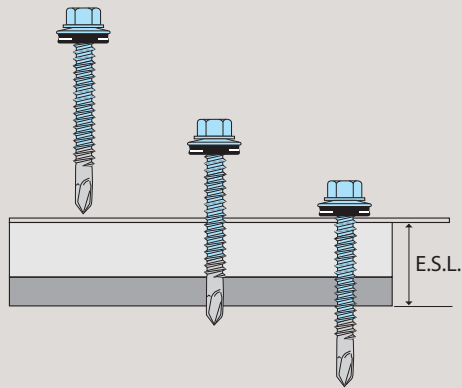
Length Ø 6,5 x

100 115 115 130 130 130 180 180 200 mm

Bimetal stainless steel drill-screws

Bi-metal austenitic stainless steel grade 304 / A2 and 316 / A4 drill-screws with a hardened drill-point. The most reliable solution for external applications.

Application examples



Application:

The stainless part of the **bimetal** drill-screw must always penetrate through the steel structure it is being fastened to, thereby ensuring that the stainless steel portion of the screw (E.S.L.) is fully engaged in the steel structure.

7510



DIBT approval Z-14.1-4
DIBT approval Z-14.1-537

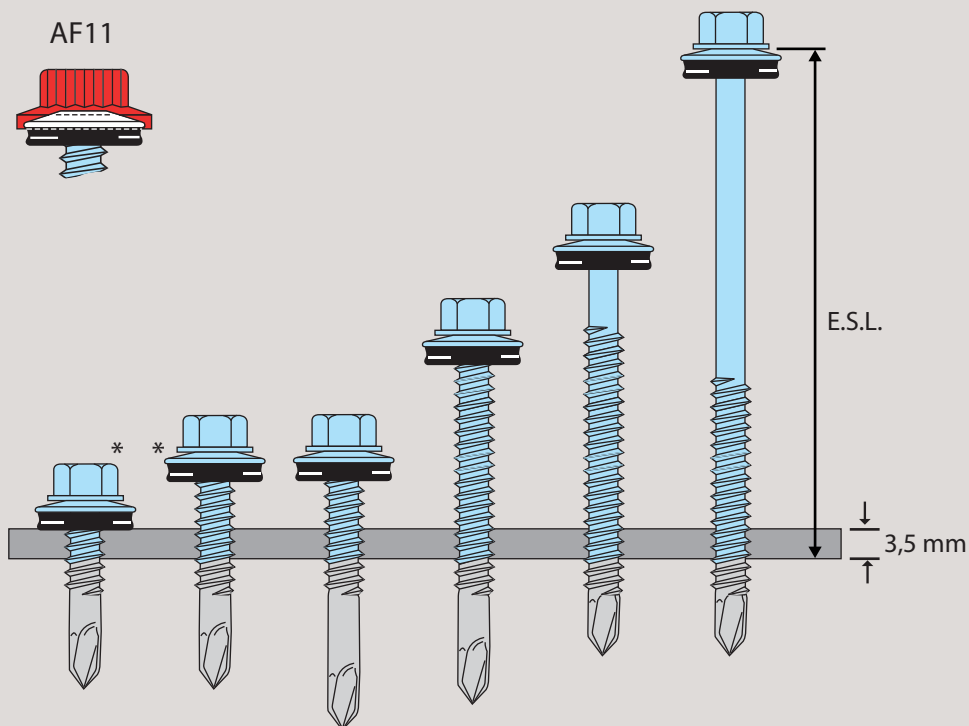
ETA-10/0199

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 2 for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm.

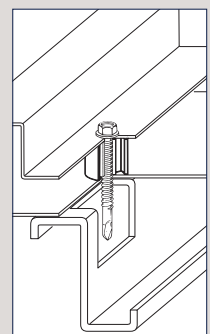
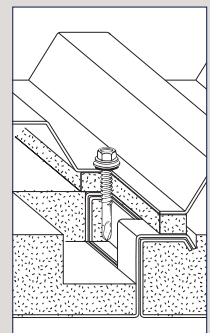
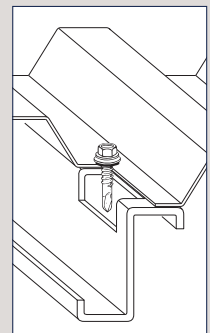
** 7510 in size Ø 5,5 x 38 is also available with nylon head-wings for fastening membrane insulated panels, see page 8.

AF8

AF11



| | | | | | | |
|-------------------|-----------|-----------|-----------|-----------|-----------|-------|
| Length Ø 5,5 x 25 | 28 | 38 | 50 | 60 | 80 | mm |
| E.S.L. | 10 | 13 | 18 | 25 | 47 | 68 mm |



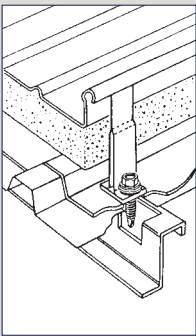
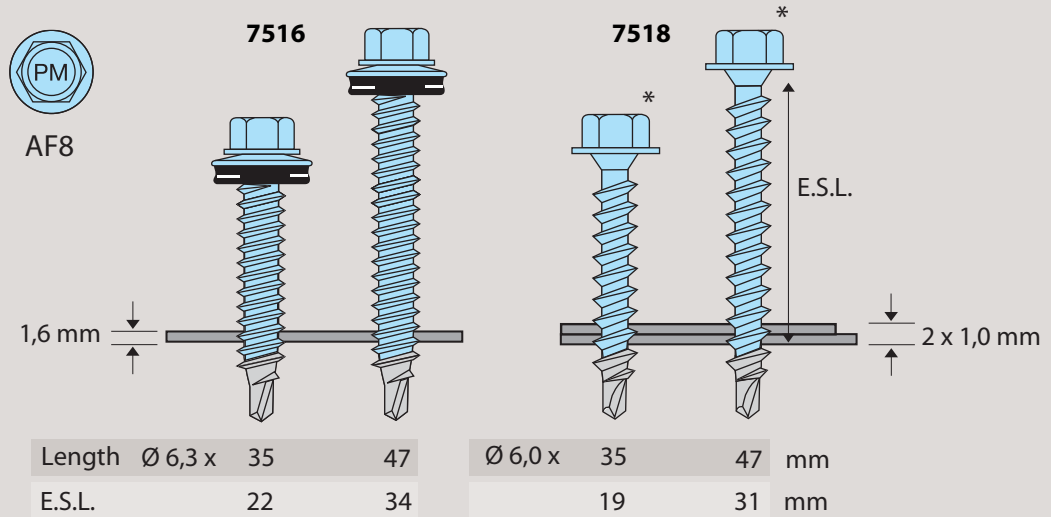
7516 / 7518



DIBT approval Z-14.1-519

Application examples

Bimetal stainless-steel-hex-head (AF8) drill-screws grade 304 / A2, with reduced drill-point № 1 for fastening halter clips to cold rolled purlins from 1,2 – 1,6 mm (7516); and in steel decks from 0,63 – 1,00 mm or over liner sheets onto purlins up to 1,6 mm (7518).

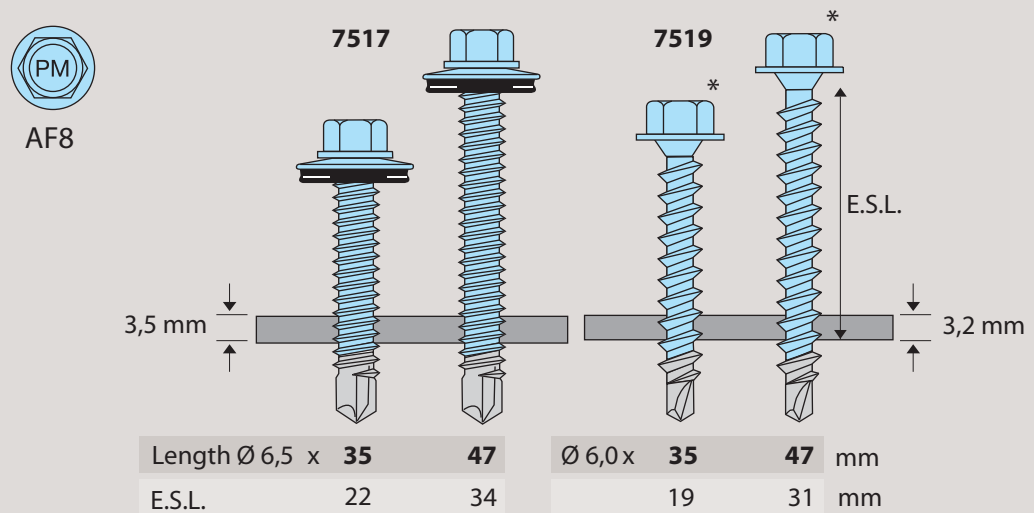


7517 / 7519



DIBT approval Z-14.1-519

bimetal stainless-steel-hex-head (AF8) drill-screws grade 304 / A2, with drill-point № 2, for fastening halter clips to cold-rolled purlins from 1,5 – 3,5 mm (7517); and in structural steel decks from 1,25 – 1,5 mm or over liner sheets onto purlins up to 3,2 mm (7519).



7520 / 7521



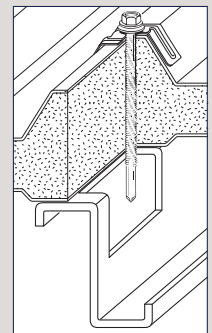
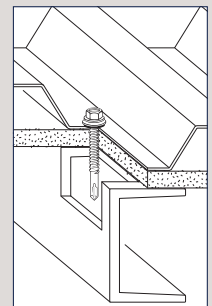
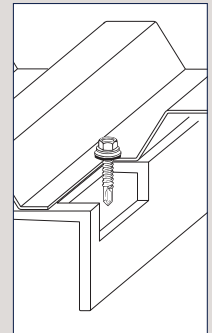
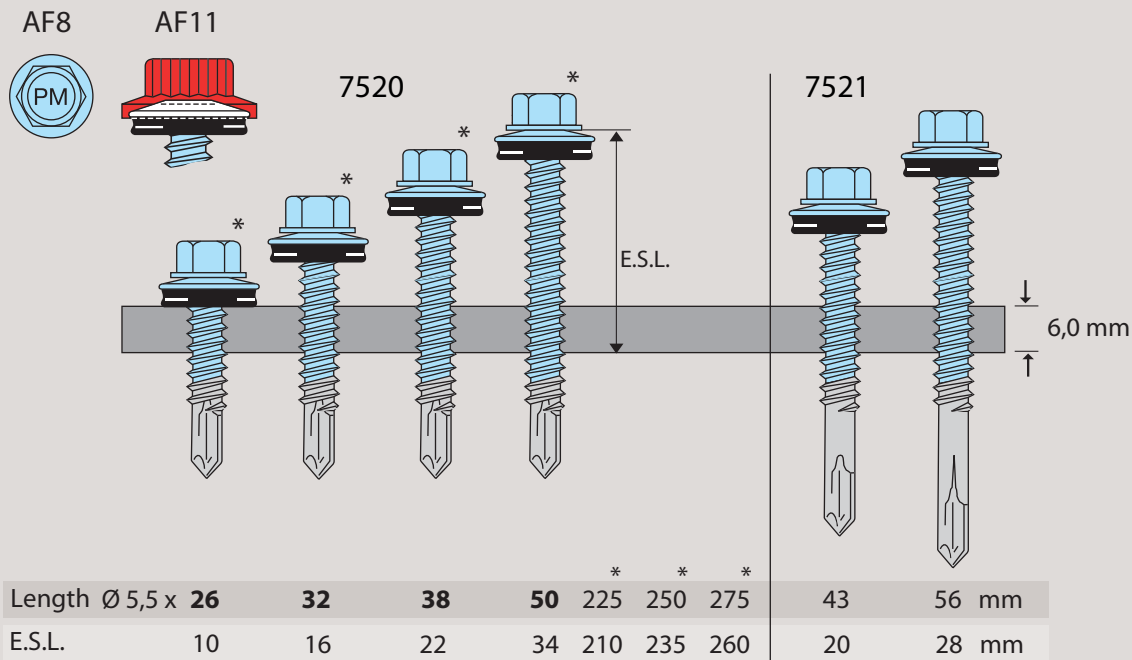
DIBT approval Z-14.1-4

ETA-10/0199 *

ETA-13/0182 *

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 3 for fastening to cold-rolled-rails and purlins from 1,5 – 6,0 mm.

Application examples

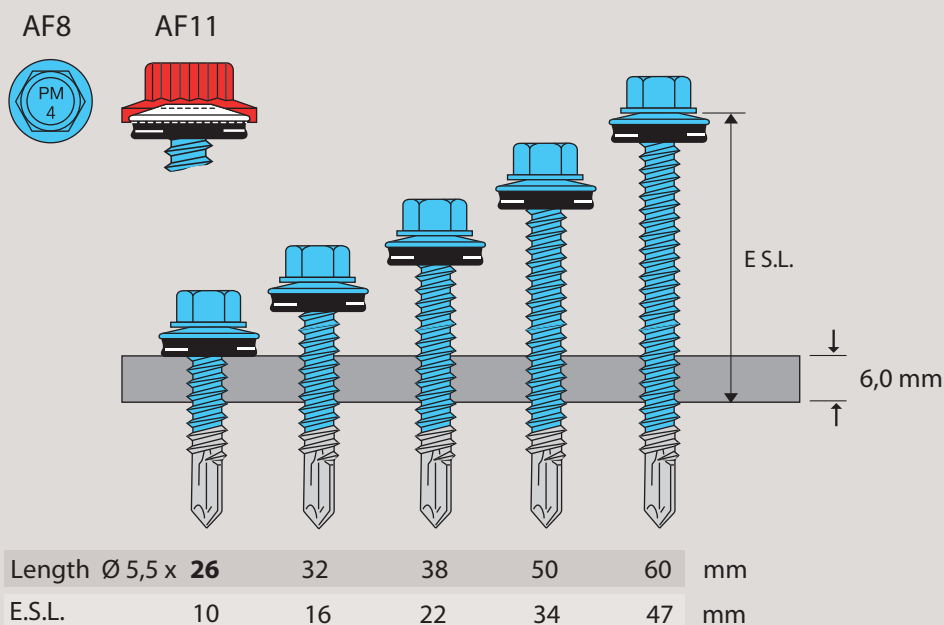


7520A4



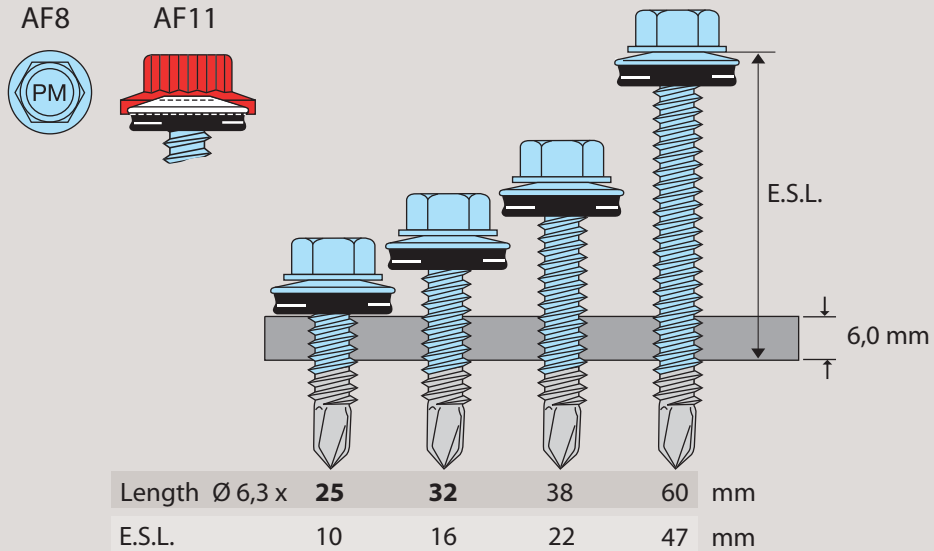
DIBT approval Z-14.1-4


Bimetal stainless-steel-hex-head (AF8) grade 316 / A4 drill-screws with drill-point № 3 for fastening to cold-rolled-rails and purlins from 1,5 – 6,0 mm.



7525  **DIBT approval Z-14.1-4**

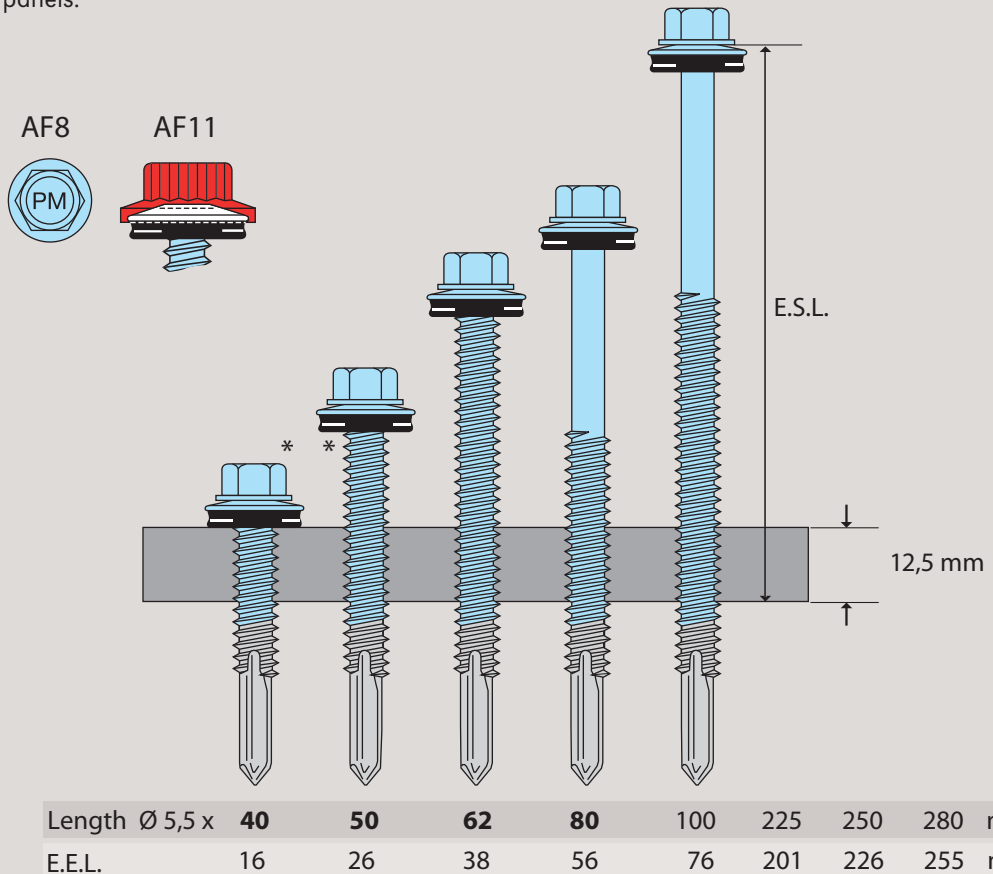
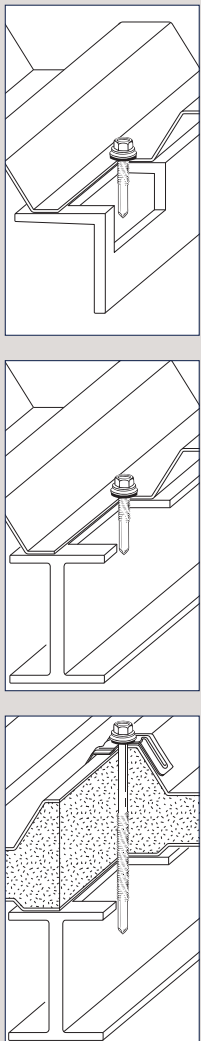
Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 3 for fastening to cold-rolled-rails and purlins from 1,5 – 6,0 mm.



7530  **DIBT approval Z-14.1-4** ETA-10/0199 ETA-13/0182

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 5 for fastening to hot-rolled steel from 4,0 – 12,5 mm.

** 7530 in size Ø 5,5 x 40 is also available with nylon head-wings for fastening membrane insulated panels.



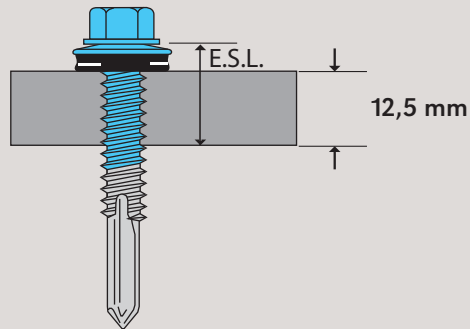
7530A4 DIBT approval Z-14.1-4

Bimetal stainless-steel-hex-head (AF8) grade 316 / A4 drill-screws with drill-point № 5 for fastening to hot-rolled steel from 4,0 – 12,5 mm.

Other lengths (as for Articles «7530» in A2) – on request.

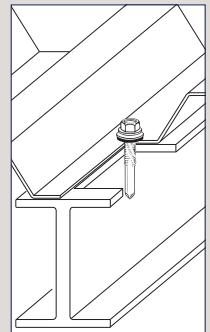
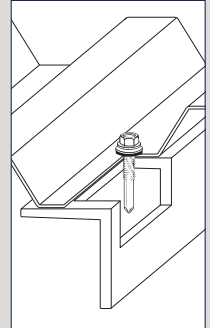
AF8

AF11



| | | | |
|--------|---------|----|----|
| Length | Ø 5,5 x | 40 | mm |
| E.S.L. | | 16 | mm |

Application examples



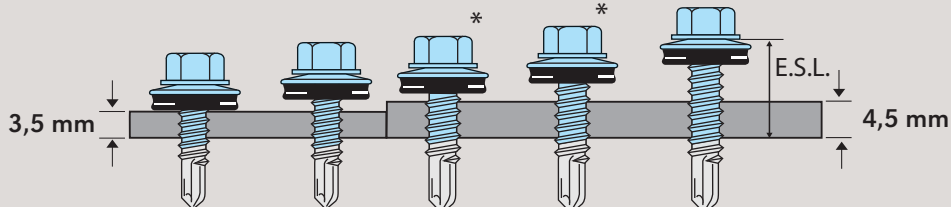
7540 DIBT approval Z-14.1-537

Bimetal stainless-steel-hex-head (AF7 / AF8) grade 304 / A2 drill-screws with drill-point № 3 for fastening to cold rolled rails and purlins from 1,2 – 3,5 mm (Ø 4,2) / – 4,5 mm (Ø 4,8).

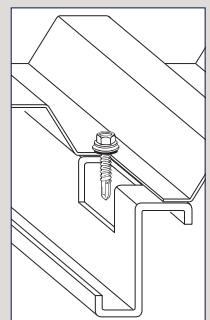
AF7

AF8

AF11

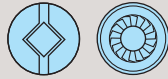


| | | | | | | | |
|--------|---------|----|----|----|----|----|----|
| Length | Ø 4,2 x | 19 | 21 | | | | |
| | Ø 4,8 x | | | 22 | 25 | 31 | mm |
| E.S.L. | | 8 | 14 | 10 | 13 | 19 | mm |

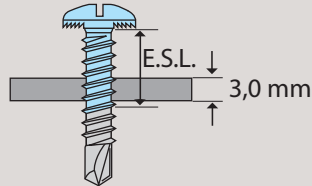


7543

Bimetal stainless-steel-pan-head square-drive drill-screws, with drill-point № 2, for fastening to cold-rolled rails of 1,5 – 3,0 mm.



ROB2



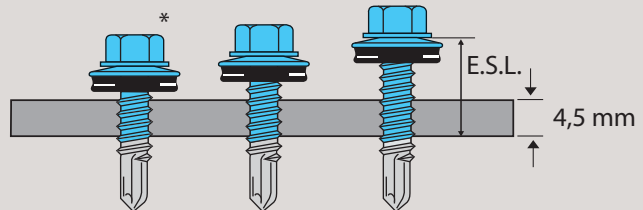
| | | | |
|--------|---------|----|----|
| Length | Ø 4,2 x | 16 | mm |
| | Ø 4,8 x | 16 | mm |
| E.S.L. | | 7 | mm |

7544 DIBT approval Z-14.1-537

Bimetal stainless-steel-hex-head (AF8) grade 316 / A4 drill-screws with drill-point № 3 for fastening to cold rolled rails and purlins up to 4,5 mm.

AF8

AF11



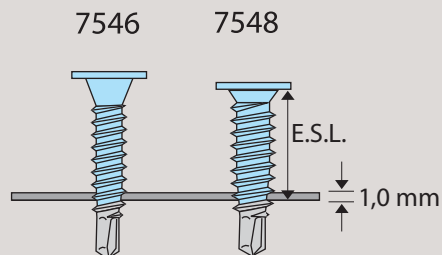
| | | | | | |
|--------|-------|----|----|----|----|
| Length | Ø 4.8 | 22 | 25 | 31 | mm |
| E.S.L. | | 10 | 13 | 19 | mm |

7546 / 7548

Bimetal stainless-steel flat-head screw grade 304 / A2 with reduced drill-point № 1 for fastening clips to cold-rolled rails and purlins of max. 2 x 0,63 mm or stainless steel of max. 1,0 mm.



DS20



| | | | |
|--------|---------|----|-------|
| Length | Ø 4,8 x | 22 | |
| | Ø 6,3 x | | 20 mm |
| E.S.L. | | 12 | 8 mm |

7549

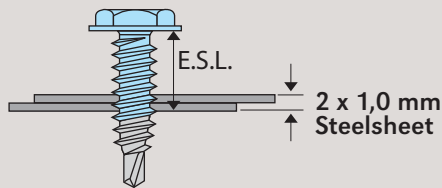
Bimetal stainless-steel-flat-hex-head grade 304 / A2 drillscrews, with reduced drill-point № 1, for fastening secret fix clips to thin steel or aluminium substrate.



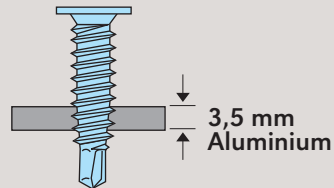
AF8



DS20

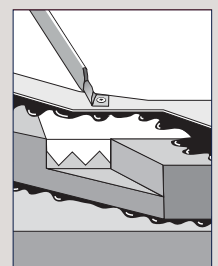
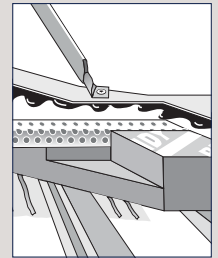


Length $\varnothing 5,5 \times 19$ mm
E.S.L. 8 mm



Length $\varnothing 6,3 \times 20$ mm

Application examples



7550



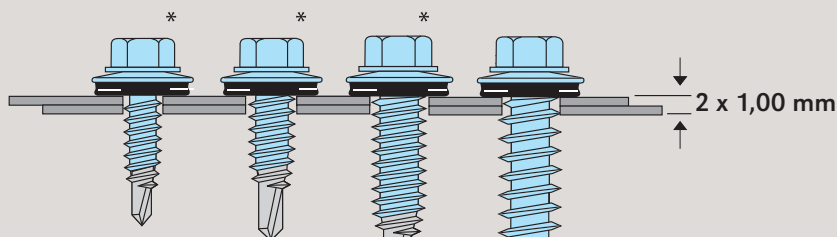
DIBT approval Z-14.1-4

ETA-10/0199

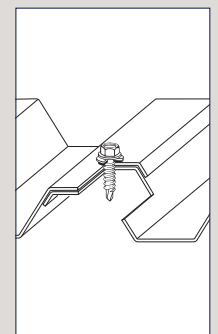
Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,00 mm. 7550 size 4,8 x 20 is also available in stainless steel A4 as «7550A4» (see next page for details)

AF8

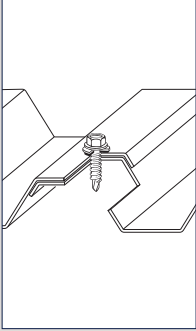
AF11



| | | | | |
|---------------------------------|-----------|-----------|-----------|--------------|
| Length $\varnothing 4,8 \times$ | 20 | | | |
| $\varnothing 5,5 \times$ | | 22 | | |
| $\varnothing 6,3 \times$ | | | 25 | |
| $\varnothing 7,2 \times$ | | | | 33 mm |
| E.S.L. | 8 | 10 | 12 | 21 mm |



Application examples



7553



DIBT approval Z-14.1-4

ETA-10/0199

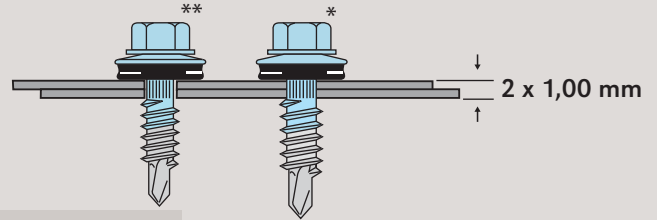
**

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with reduced drill-point № 1, with thread free zone, for stitching overlapping profiled sheets together to a maximum of 2 x 1,00 mm.

AF8



AF11



| | | |
|--------|---------|---------|
| Length | Ø 4,8 x | 20 |
| | Ø 5,5 x | 22 mm |
| E.S.L. | | 8 10 mm |

7550A4



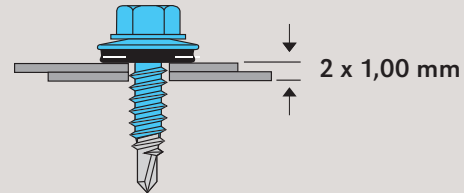
DIBT approval Z-14.1-4

Bimetal stainless-steel-hex-head (AF8) grade 316 / A4 drill-screws with reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,00 mm. Other dimensions, as in «7550», available upon request.

AF8



AF11



| | | |
|--------|---------|-------|
| Length | Ø 4,8 x | 20 mm |
| E.S.L. | | 8 mm |

7561



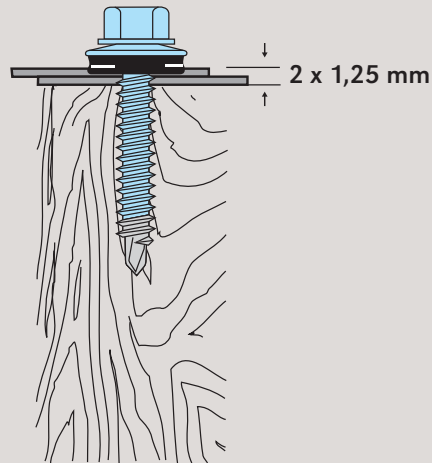
DIBT approval Z-14.1-4

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with reduced drill-point № 1, for fastening profiled sheets to timber. Fastening depth according to approval ≥ 35 mm.

AF8



AF11

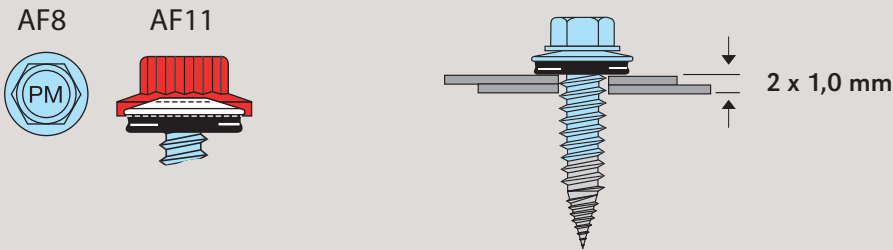


Length Ø 4,8 x 35 mm

7563 DIBT approval Z-14.1-4

Bimetal stainless 1.4301 (A2) hex head drillscrew, AF8 for swarfless fastening of corrugated steel sheets up to maximum 2 x 1,0 mm.

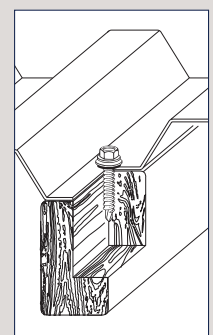
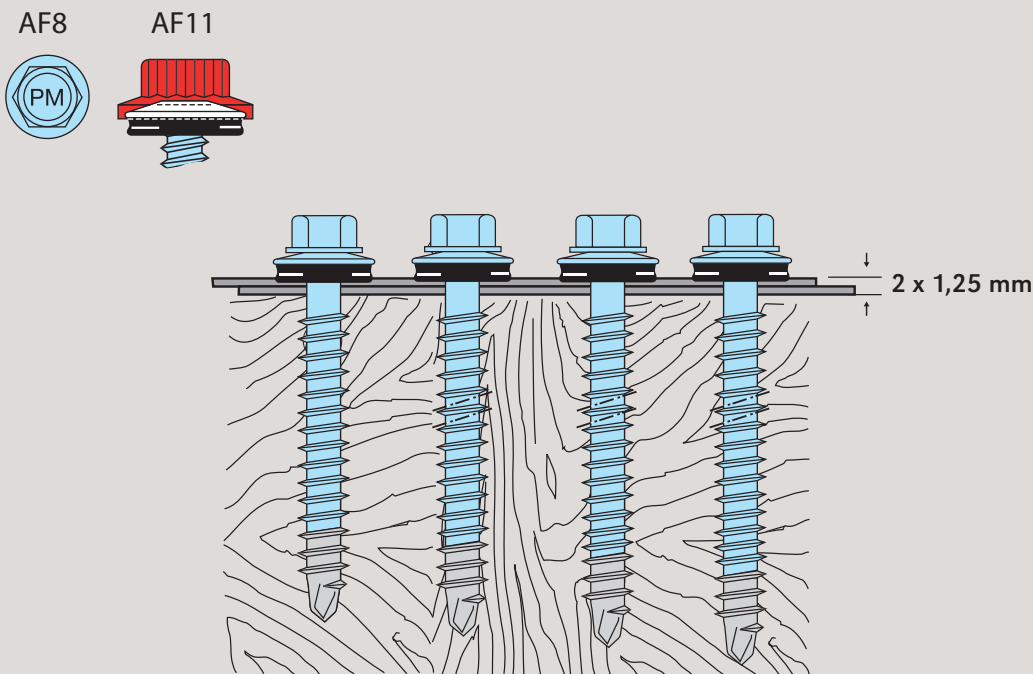
Application examples



| | | |
|--------|---------|-------|
| Length | Ø 5,5 x | 25 mm |
| E.S.L. | | 10 mm |

7565 DIBT approval Z-14.1-4 ETA-10/0199 ETA-13/0182

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with reduced drill-point № 1, for fastening profiled sheets to timber and composite panels. Fastening depth according to approval ≥ 45 mm.



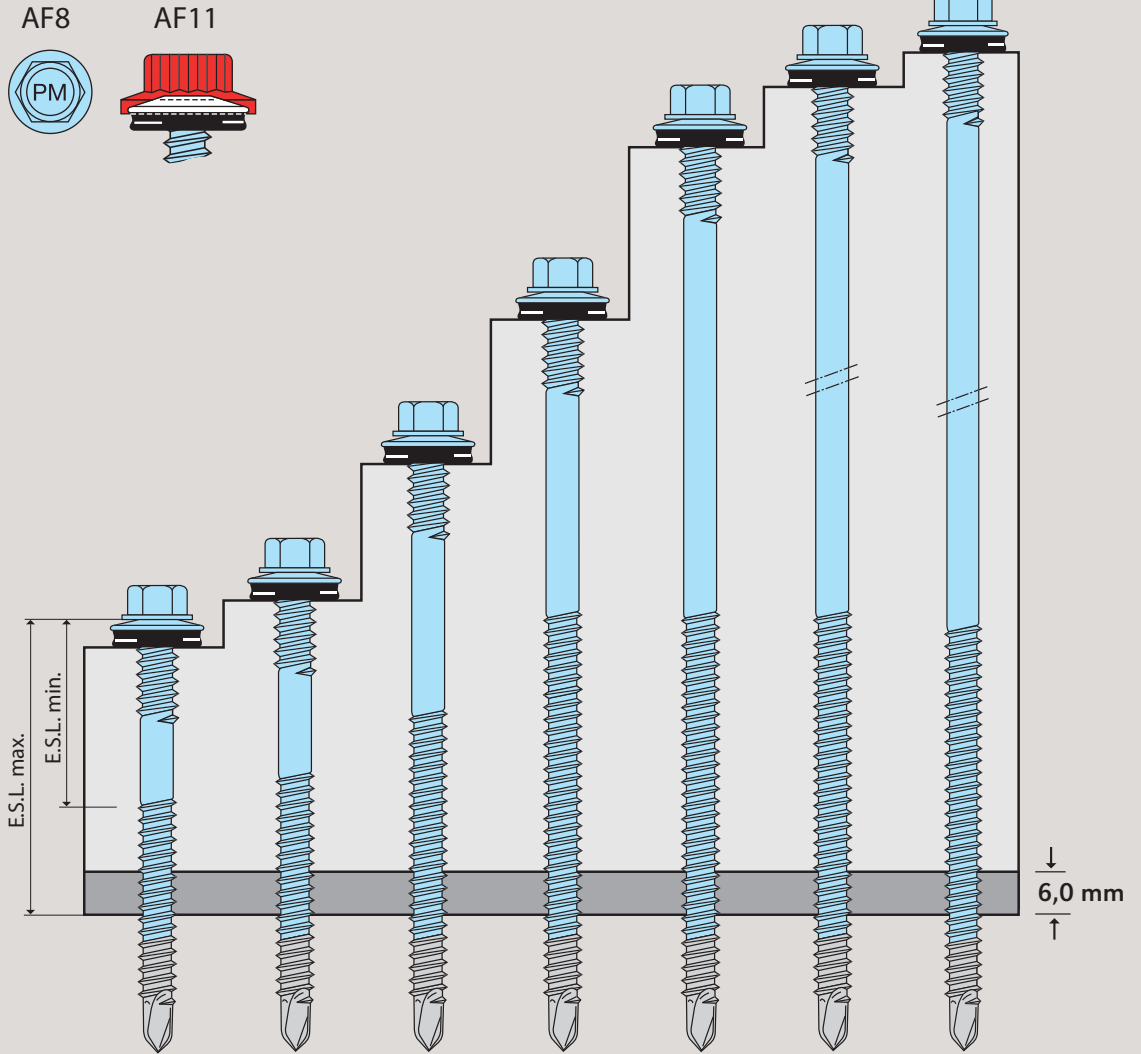
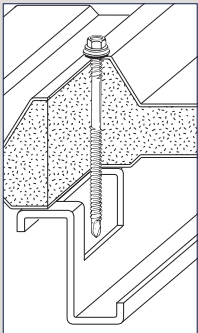
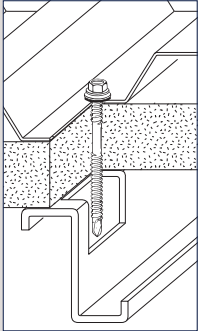
| | | | | | | | | | | |
|----------------------|---------|----|----|----|----|-----|-----|-----|-----|----|
| Length | Ø 6,5 x | 50 | 65 | 75 | 90 | 115 | 130 | 150 | 175 | mm |
| Insulation thickness | | 0 | 13 | 23 | 48 | 63 | 78 | 98 | 123 | mm |

7570

ETA-13/0182

Application examples

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 3, with high-thread, \varnothing 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,5 – 6,0 mm.

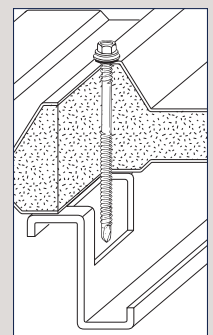
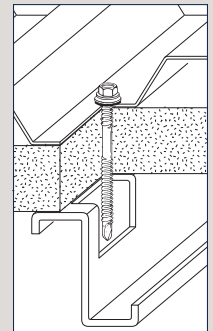
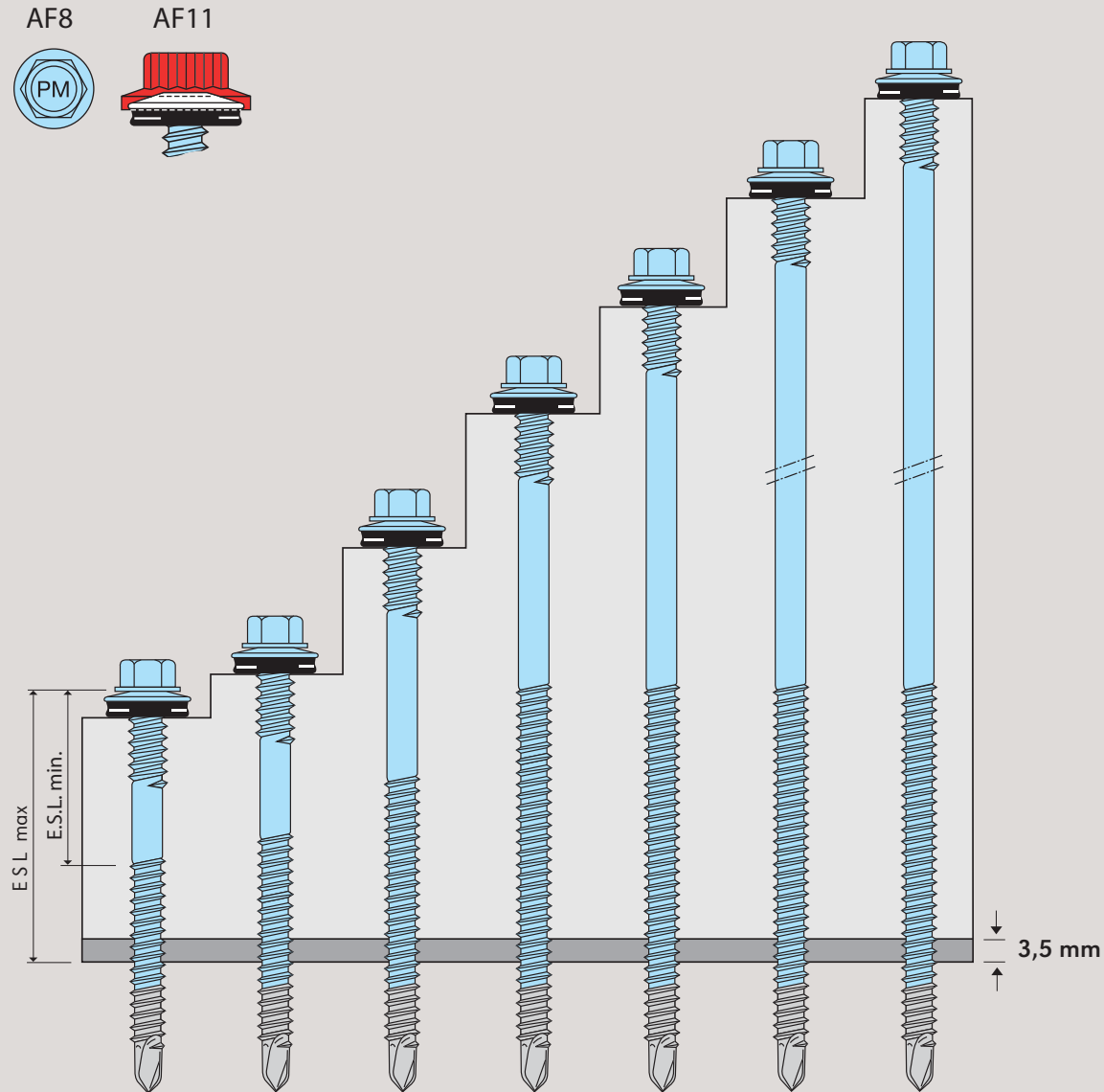


| Length [mm] | | 85 | 110 | 125 | 145 | 175 | 195 |
|-----------------------------------|----|----|-----|-----|-----|-----|-----|
| \varnothing 5,5/6,3 x 70 | | | | | | | |
| E.S.L. [mm] | | | | | | | |
| min | 28 | 38 | 58 | 63 | 68 | 98 | 118 |
| max | 50 | 65 | 90 | 105 | 125 | 155 | 175 |
| To suit insulation thickness [mm] | | | | | | | |
| min | 22 | 32 | 52 | 57 | 62 | 92 | 112 |
| max | 45 | 60 | 85 | 100 | 120 | 150 | 170 |

7571 **ETA-13/0182**

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 2, with high-thread, Ø 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,2 – 3,5 mm.

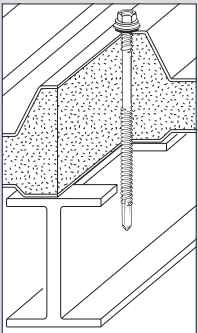
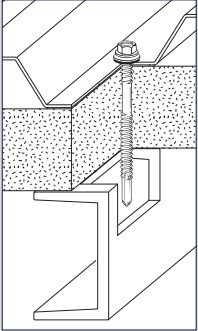
Application examples



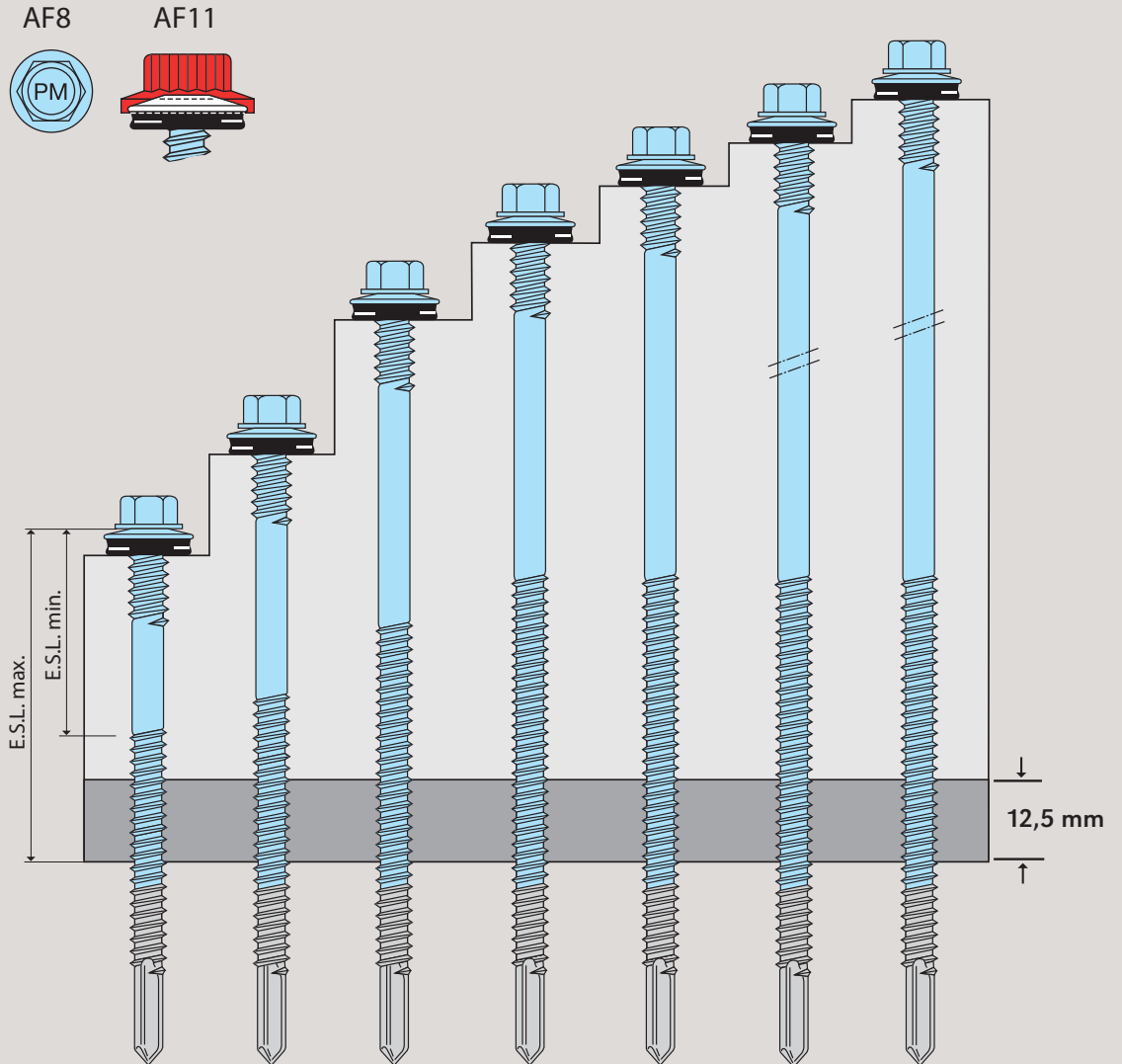
| Length [mm] | | 70 | 85 | 110 | 125 | 145 | 175 | 195 |
|-------------|--|----|----|-----|-----|-----|-----|-----|
| Ø 5,5/6,3 x | | | | | | | | |
| E.S.L. [mm] | | | | | | | | |
| min | | 28 | 38 | 58 | 64 | 67 | 97 | 115 |
| max | | 52 | 67 | 92 | 107 | 127 | 157 | 177 |

7575 ETA-13/0182

Application examples



Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with drill-point № 5, with high-thread, $\text{Ø } 5,5/6,3 \text{ mm}$, for fastening composite panels to hot-rolled steel from 4,0 – 12,5 mm.

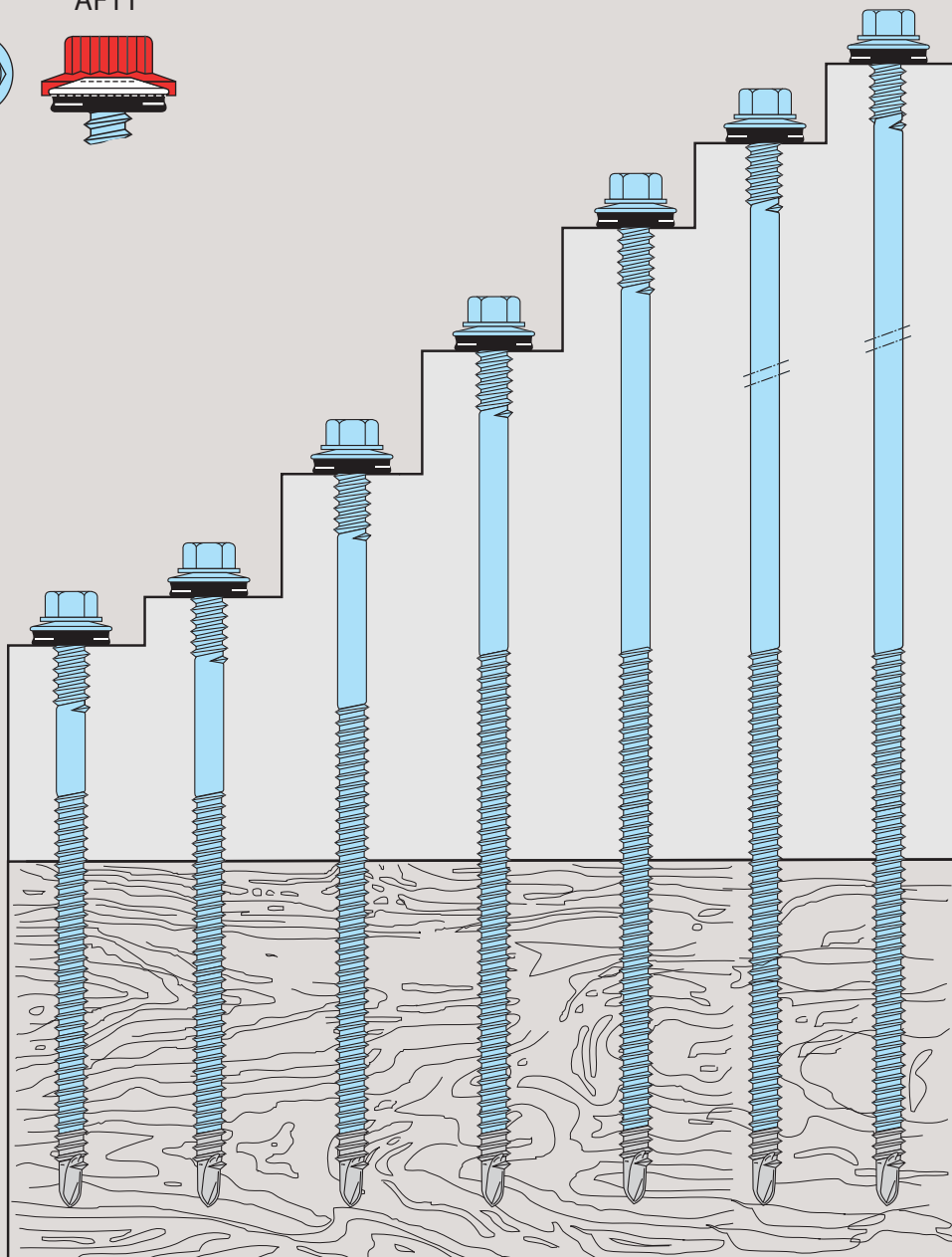
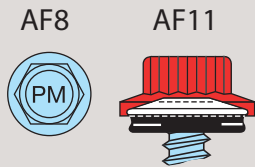
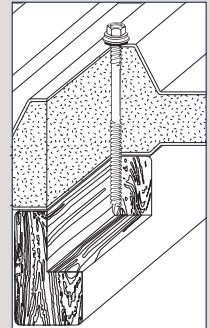


| Length [mm] | | 80 | 95 | 115 | 135 | 155 | 175 | 195 |
|-----------------------------------|--|----|----|-----|-----|-----|-----|-----|
| $\text{Ø } 5,5/6,3 \times$ | | | | | | | | |
| E.S.L. [mm] | | | | | | | | |
| min | | 34 | 41 | 61 | 81 | 101 | 121 | 141 |
| max | | 54 | 69 | 89 | 109 | 129 | 149 | 169 |
| To suit insulation thickness [mm] | | | | | | | | |
| min | | 22 | 29 | 49 | 69 | 89 | 109 | 129 |
| max | | 42 | 57 | 77 | 97 | 117 | 137 | 157 |

7580 ETA-13/0182

Bimetal stainless-steel-hex-head (AF8) grade 304 / A2 drill-screws with reduced drill-point № 1, with high-thread, Ø 6,3/7,0 mm, for fastening composite panels to timber purlins. Fastening depth according to approval ≥ 50 mm.

Application examples



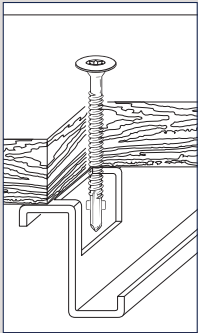
Length [mm]

Ø 6,3/7,0 x 102 122 142 162 177 200 220 240 260

To suit insulation thickness [mm]

| | | | | | | | | | |
|-----|----|----|----|-----|-----|-----|-----|-----|-----|
| min | 27 | 47 | 67 | 87 | 102 | 125 | 145 | 165 | 185 |
| max | 50 | 70 | 90 | 110 | 125 | 148 | 168 | 188 | 208 |

Application examples



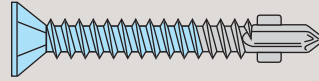
7591 / 7591 NW

Bimetal stainless-steel grade 304 / A2 drill-screws ribbed countersunk-head with wings and DS-drive, for fastening timber to steel substrate from 1,5 to 4,5 mm (or 5,0 mm by the length of 65 mm).

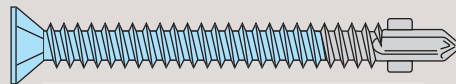
Also available without wings as "NW".



DS25



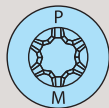
E.S.L. 28 Ø 4,8 x 45 mm



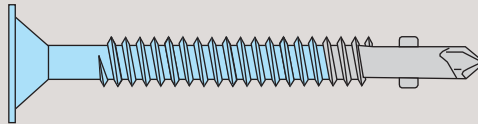
E.S.L. 45 Ø 5,5 x 65 mm

7592

Bimetal stainless-steel, drill-screws (A2) ribbed countersunk-head with wings and DS-drive, for fastening timber to steel substrate from 1,5 to 2,0.



DS25



E.S.L. 39 Ø 5,5 x 60 mm

Technical details for 7591 / 7592

| Size [mm] | Drive recess | Drill capacity max. [mm] | E.S.L. [mm] | Timber thickness [mm] |
|-----------|--------------|--------------------------|-------------|-----------------------|
| 4,8 x 45 | DS 25 | 1,5 - 4,5 | 28 | 18 |
| 5,5 x 65 | DS 25 | 1,5 - 5,0 | 45 | 35 |
| 5,5 x 60 | DS 25 | 1,5 - 2,0 | 39 | 30 |

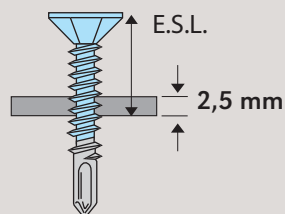
7593 / 7595

Bimetal stainless-steel grade 304 / A2 drill-screws countersunk-head with drill-point for fastening to cold-rolled rails and purlins from 1,5 - 6,0 mm.



T20

7593



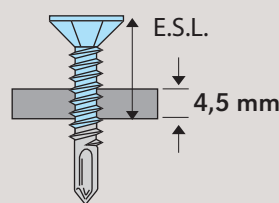
Length Ø 4,2 x 28 mm

E.S.L. 15 mm



T25

7593



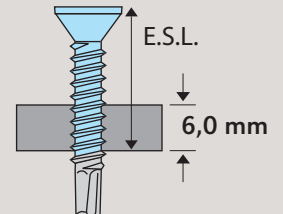
Length Ø 4,8 x 25 mm

E.S.L. 12 mm



DS25

7595



Length Ø 4,8 x 28 mm

E.S.L. 12 mm

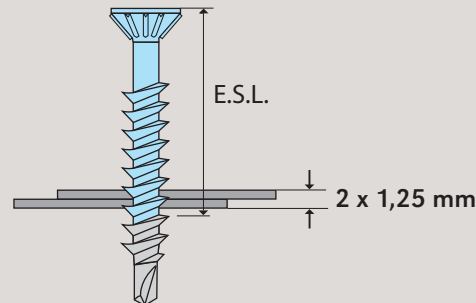
7596

Bimetal stainless-steel-drill-screws grade 304 / A2 countersunk-head with drill-point № 1, DS-drive (DS25) for fastening timber battens to composite panels.

Application examples



DS25



Length $\varnothing 6,0 \times 50$ mm
E.S.L. 34 mm

Fully stainless steel screws

7641



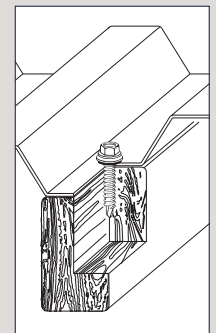
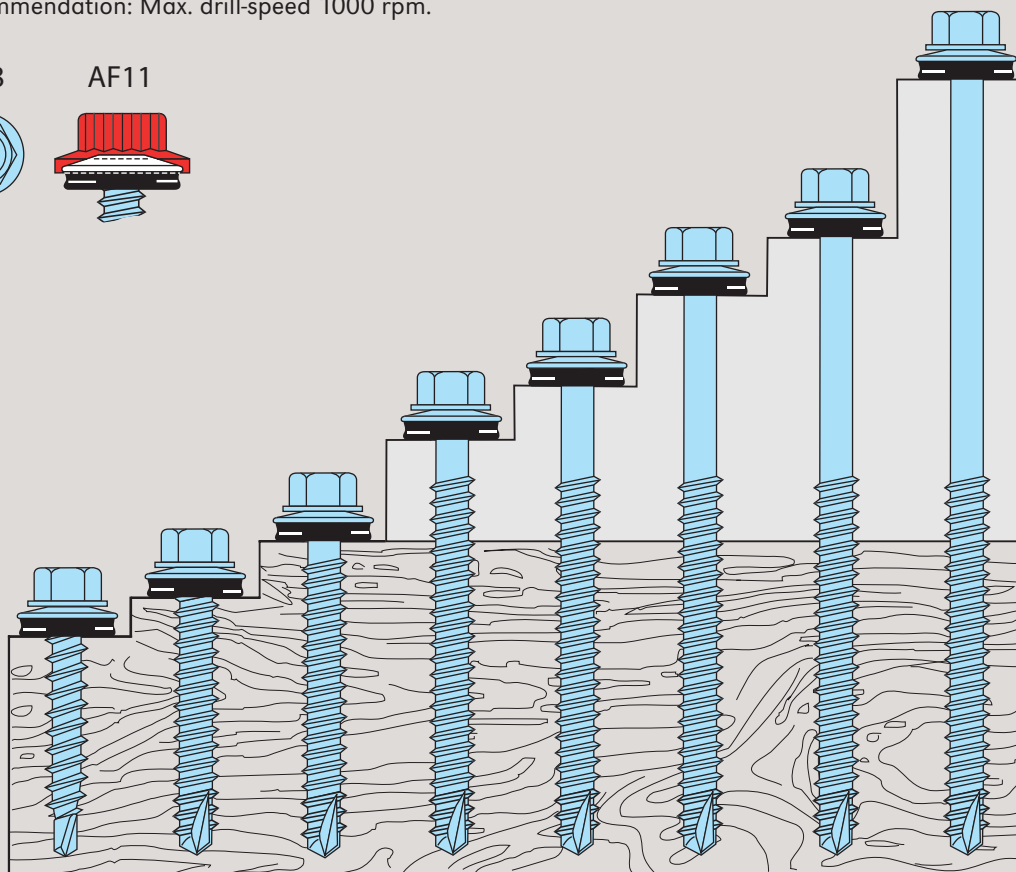
DIBT approval Z-14.1-537
DIBT approval Z-14.1-4

ETA-10/0199

Drill-screws fully stainless-steel-hex-head (AF8) grade 304 / A2, with special drill-point № 1, for fastening profiled sheets to timber. Recommendation: Max. drill-speed 1000 rpm.

AF8

AF11



Length

$\varnothing 5,5 \times 35$

$\varnothing 6,5 \times$

40

50

65

75

90


100

115

130 mm

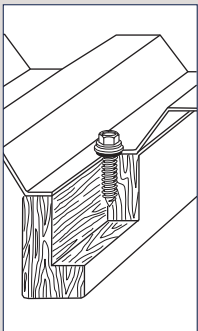
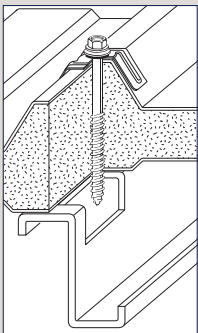
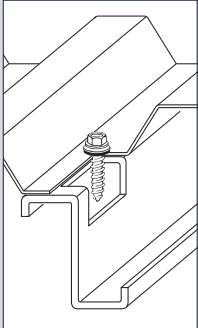
E.S.L. = Effective stainless length

See page 56 for washer options

 - typically supplied coloured

Stainless steel self-tapping screws type A

Application examples



7653 Stainless steel A2

7652 Stainless steel A4



DIBT approval Z-14.1-4

DIBT approval Z-14.1-537

ETA-13/0182

ETA-10/0199

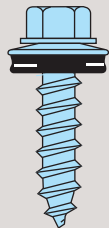
Self-tapping-hex-head (AF8) screws for fastening steel or aluminium profiles to timber substrate, or cold-rolled rails and purlins up to a maximum of 3,0 mm.

7653 – stainless steel grade 304 / A2.

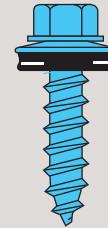
7652 – stainless steel grade 316 / A4 (upon request).



AF8



AF8



DIBT approval Z-14.1-4

Recommended drill-bit diameters for type A self-tapping screws

| Profile Thickness [mm] | Drill-bit Ø [mm] |
|------------------------|------------------|
| 0,63 – 0,75 | 4,00 |
| 0,88 – 1,25 | 4,50 |
| 1,50 – 2,00 | 5,00 |
| 2,00 – 3,00 | 5,70 |
| timber substrate | 4,80 |

Art. 7652 / 7653 (Ø 6,5): Dimensions / Lengths

| | |
|---------|--------------|
| AF 8 | 6,5 x 20 mm |
| | 6,5 x 25 mm |
| | 6,5 x 32 mm |
| | 6,5 x 38 mm |
| | 6,5 x 45 mm |
| | 6,5 x 50 mm |
| | 6,5 x 65 mm |
| | 6,5 x 75 mm |
| | 6,5 x 90 mm |
| | 6,5 x 100 mm |
| | 6,5 x 115 mm |
| AF 3/8" | 6,5 x 130 mm |
| | 6,5 x 150 mm |
| | 6,5 x 175 mm |
| | 6,5 x 200 mm |
| | 6,5 x 220 mm |
| AF 3/8" | 6,5 x 240 mm |
| | 6,5 x 260 mm |

Stainless steel self-tapping screws type B

7673 Stainless steel A2



DIBT approval Z-14.1-4

7672 Stainless steel A4

DIBT approval Z-14.1-537

ETA-13/0182

ETA-10/0199

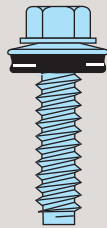
Self-tapping-hex-head (AF8) screws for fastening steel or aluminium profiles to hot-rolled steel over 3,0 mm. The first 5 mm's of the screw must always penetrate through the steel structure it is fastened to.

7673 – stainless steel grade 304 / A2.

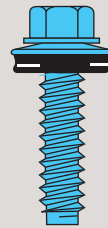
7672 – stainless steel grade 316 / A4 (upon request).



AF8

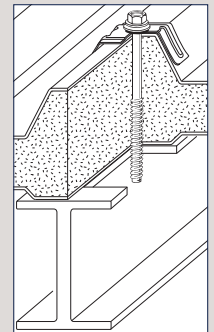
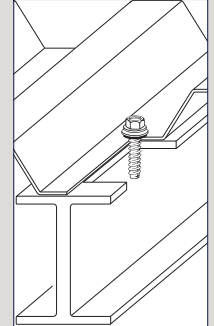


AF8



DIBT approval Z-14.1-4

Application examples



Recommended drill-bit diameters for type B self-tapping screws

| Profile Thickness [mm] | Drill-bit Ø [mm] |
|------------------------|------------------|
| 1,25 – 1,50 | 5,00 |
| 2,00 – 4,00 | 5,30 |
| 4,00 – 7,00 | 5,50 |
| more than 7,00 | 5,70 |

Art. 7672 / 7673 (Ø 6,3):

Dimensions / Lengths

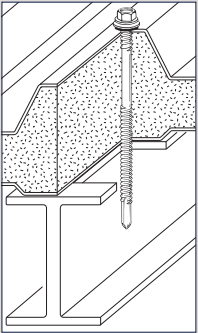
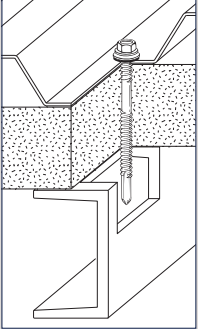
| |
|--------------|
| 6,3 x 20 mm |
| 6,3 x 25 mm |
| 6,3 x 32 mm |
| 6,3 x 38 mm |
| 6,3 x 45 mm |
| 6,3 x 50 mm |
| 6,3 x 65 mm |
| 6,3 x 75 mm |
| 6,3 x 90 mm |
| 6,3 x 100 mm |
| 6,3 x 115 mm |
| 6,3 x 130 mm |
| 6,3 x 150 mm |
| 6,3 x 175 mm |
| 6,3 x 200 mm |
| 6,3 x 220 mm |
| 6,3 x 240 mm |
| 6,3 x 260 mm |

AF 8

AF 3/8"

7673K

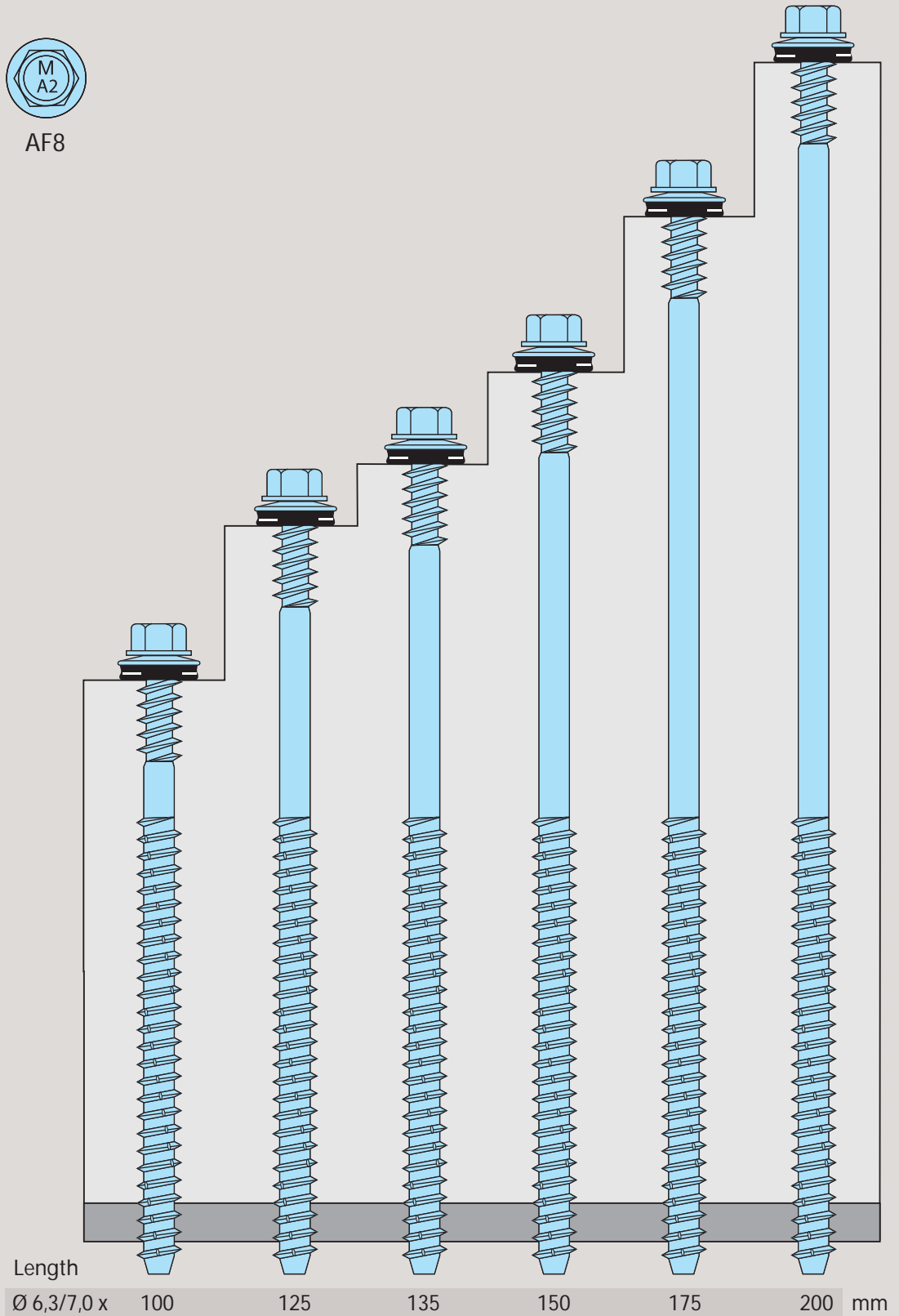
Application examples



Self-tapping-hex-head (AF8) screws, stainless-steel grade 304 (A2), type B, with high-thread, $\text{Ø } 6,3/7,0$ mm, for fastening composite panels to hot-rolled steel over 3,0 mm.



AF8



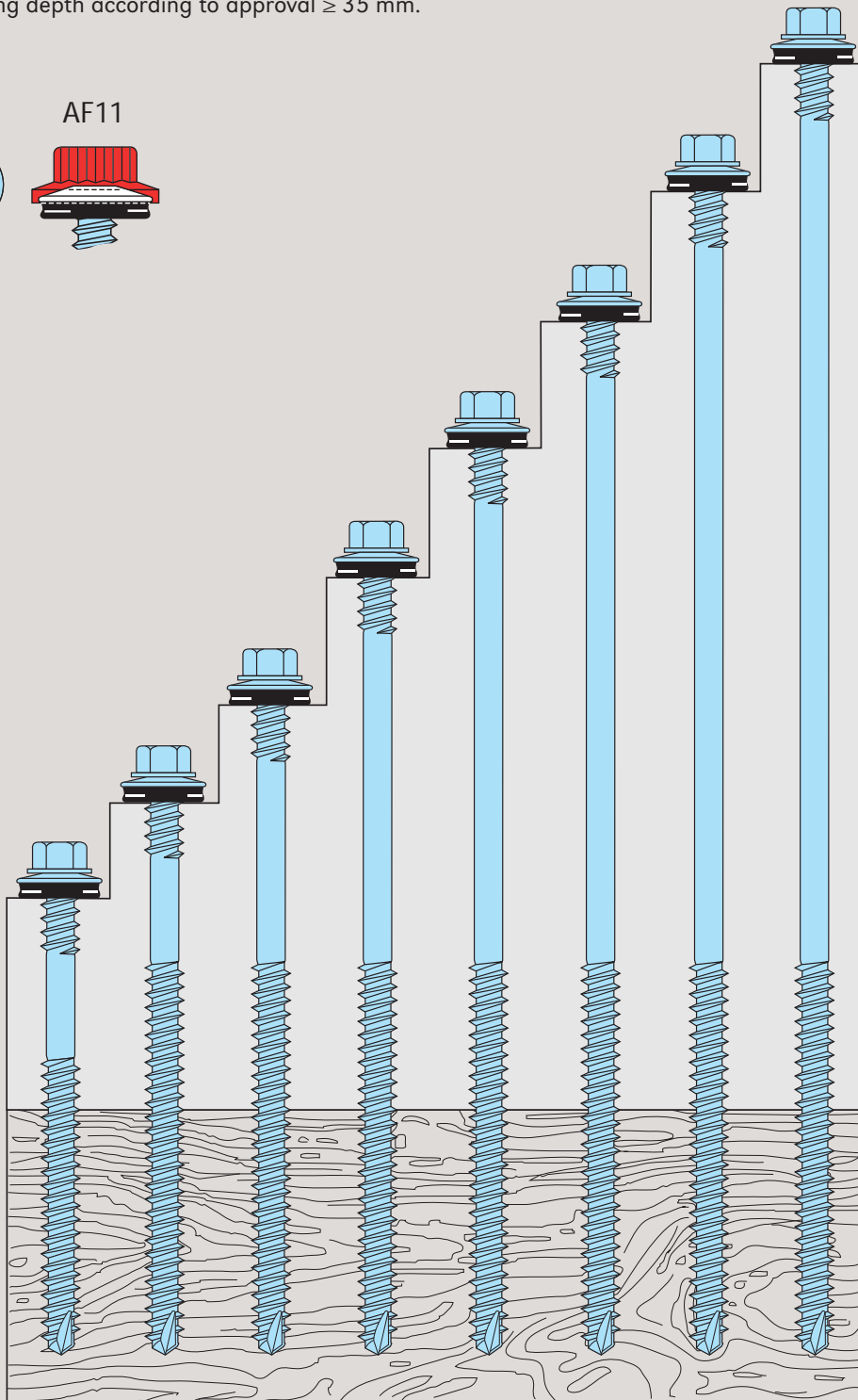
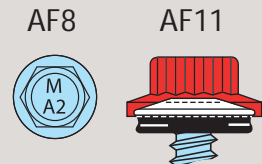
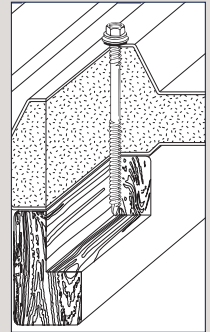
7680 ETA-13/0182

Hex-head (AF8) drill-screws, stainless-steel grade 304 / A2, with special drill-point № 1, with high-thread, \varnothing 6,5/7,3 mm, for fastening composite panels to timber purlins.

Recommended max. drill speed: 1000 rpm.

Fastening depth according to approval ≥ 35 mm.

Application examples



Length [mm]

\varnothing 6,5/7,2 x 75 90 102 125 145 165 177 200

To suit insulation thickness [mm]

| | | | | | | | |
|-----|----|----|----|----|-----|-----|-----|
| min | 30 | 45 | 60 | 80 | 100 | 110 | 130 |
| max | 30 | 45 | 60 | 80 | 100 | 120 | 155 |

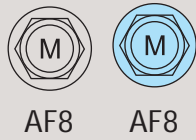
Concrete screws

Application examples

7890 / 7890E

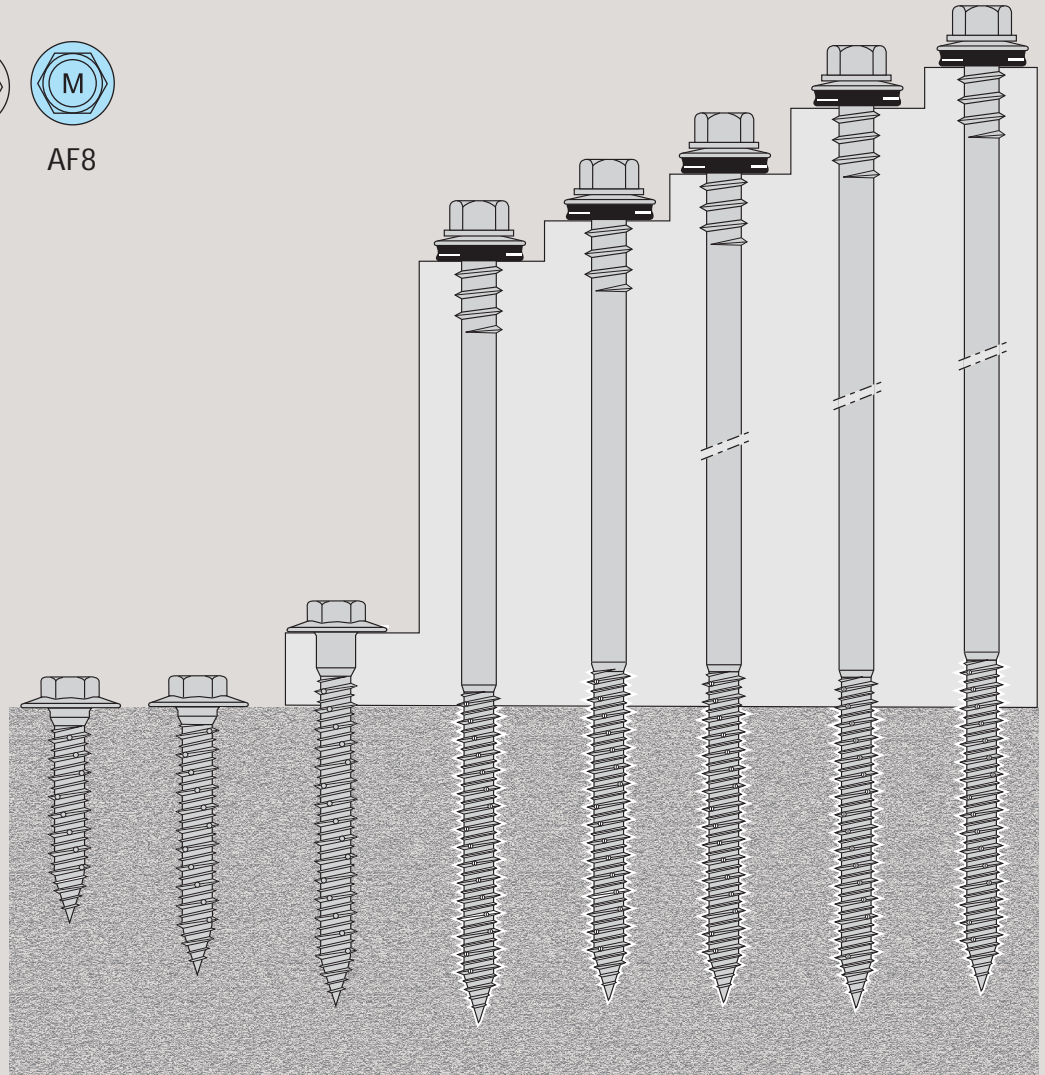
Hex-head (AF8) concrete carbon steel screws with high-low concrete thread for fastening various components to concrete.

Available in stainless steel grade 304 / A2 as «7890E» upon request.



AF8

AF8



Length [mm]

| | | | | | | | |
|----------------|----|----|-----|-----|-----|-----|-----|
| Ø 6,5/7,0 x 32 | 40 | 57 | 120 | 140 | 160 | 180 | 200 |
|----------------|----|----|-----|-----|-----|-----|-----|

To suit insulation thickness [mm]

| | | | | | | |
|-----|----|----|-----|-----|-----|-----|
| min | 12 | 75 | 95 | 115 | 135 | 155 |
| max | 27 | 90 | 110 | 130 | 150 | 170 |

minimum 25 mm embedment in structural concrete / pre-drill Ø 5,0 or 5,5 mm according to the quality of the concrete

Sealing washers

7711 / 7712 / 7715 / 7716

Sealing-washers with bonded EPDM seal, available in galvanized steel (7711), stainless steel grade 304 / A2 (7712), stainless steel grade 316 (A4) (7715) and aluminium (7716).



Ø 29 22 19 16 14 11 mm

7714

Sealing-washers EPDM rings are available as 7714 for low-profile-head screws.



Ø 4,8 5,5 6,3 mm



Project References

PMJ has proven their fastener quality and supply reliability through numerous international prestige projects:



Terminal 3, Dubai International Airport, UAE



Southern Cross Train Station, Melbourne, Australia



Millenium Stadium, Cardiff, Wales



Stadium: MK, Milton Keynes, England



Asia World Expo Hong Kong, PRC



Royal Opera House, Production Unit, London, England



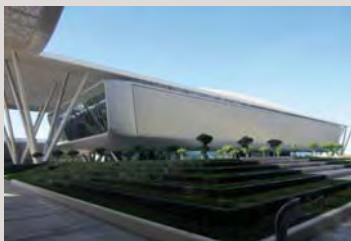
National Centre for the Performing Arts, Beijing, PRC



Baltic Arena, Gdańsk, Poland



Hotel Inntel, near Amsterdam, The Netherland



Qatar Science and Technology Park, Doha, Qatar



E-on power station, near Rotterdam, The Netherland



Socar Tower, Baku, Azerbaijan

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Roofing & Cladding



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Application fields

Roofing & Cladding
Rainscreen Cladding
Flat Roofing
Curtain Walling
Drainage Pipes

