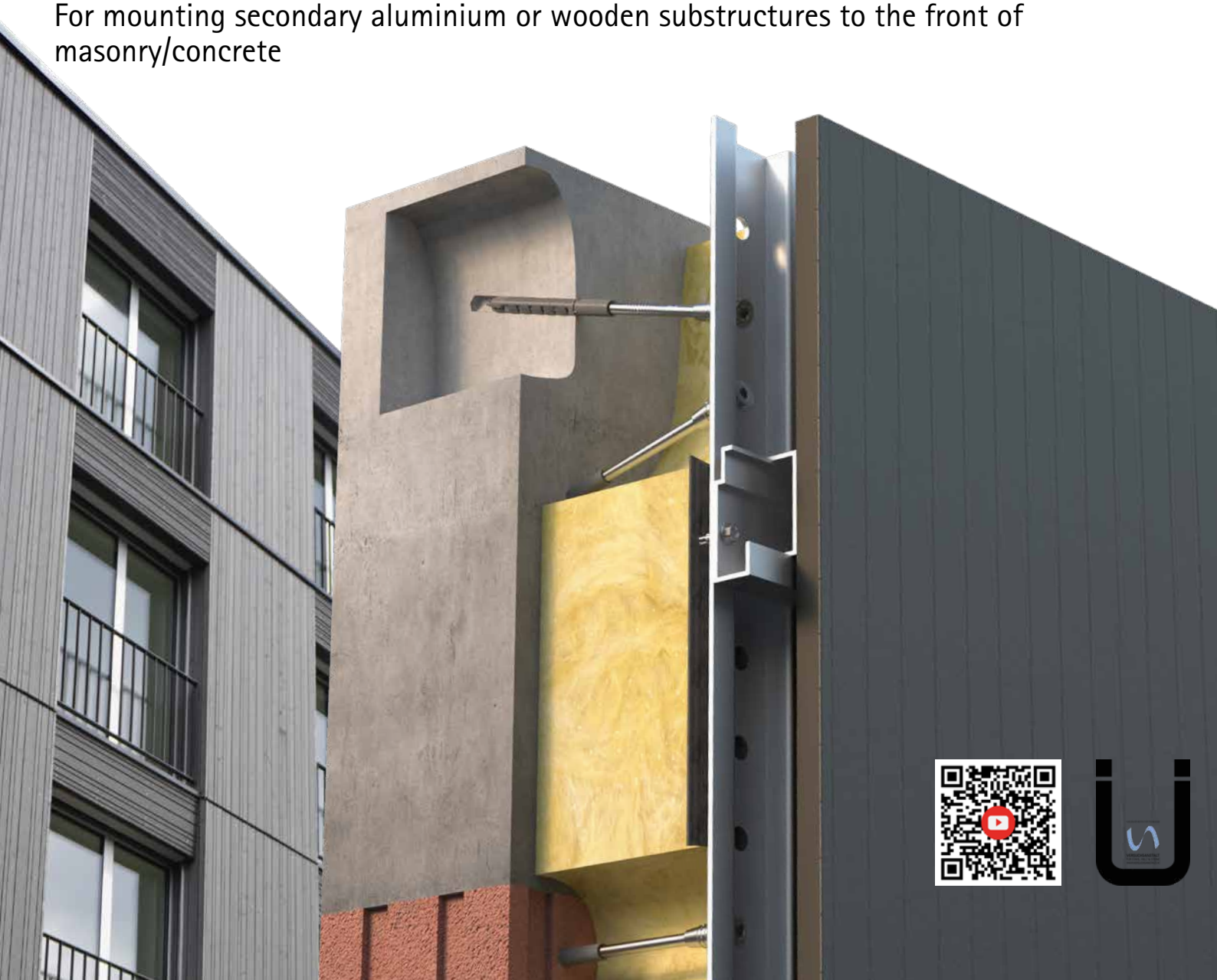
REISSER SCHRAUBENTECHNIK®

STAY WARM SAFELY

RDS CA/CW spacer screw

For mounting secondary aluminium or wooden substructures to the front of masonry/concrete



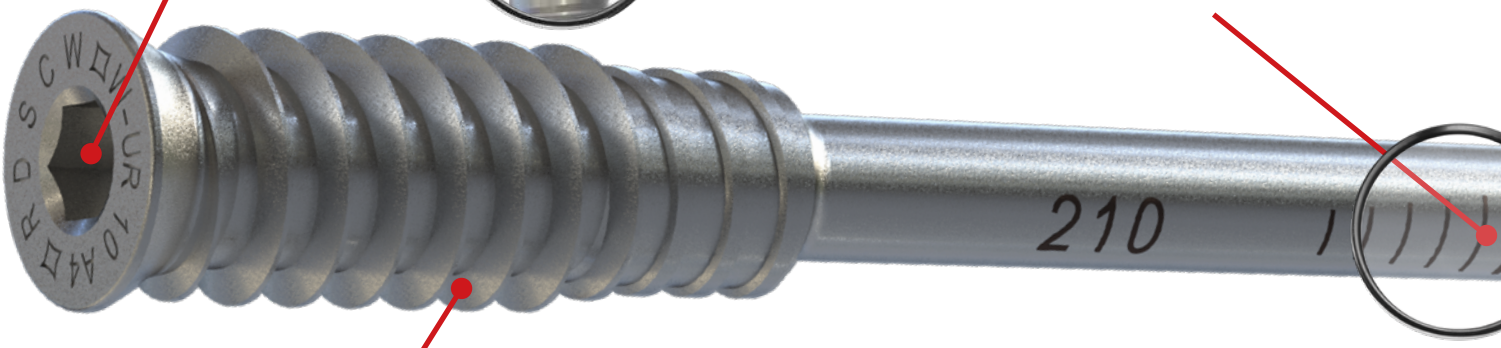
THE OUTSTANDING MOUNTING SYSTEM FOR REAR VENTILATED FACADES

DEEP HEXAGON SOCKET

Tools do not slip out.

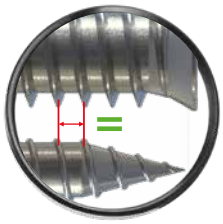
MARK

Display helps ensure that the screws are seated correctly, with an adjustable tolerance range of 25 mm.



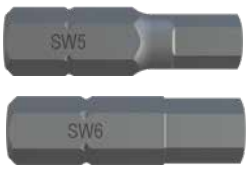
HEAD THREAD

Anchor thread and head thread with coordinated pitch for uniform screwing using minimal force.



TOOL INCLUDED

Includes the matching bit.



VARIANTS

For aluminium and wooden substructures.

THE SAFE AND FLEXIBLE MOUNTING SOLUTION

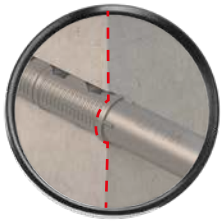
The REISSER spacer screw system is an easy-to-install, flexible and fully approved mounting solution for rear ventilated facades.
The system has extremely low thermal conductivity, which prevents thermal bridges. Our mounting solution meets all common fire protection requirements relating to rear ventilated facades.

ANCHOR THREAD

The thread geometry is designed to precisely match the anchor sleeve.

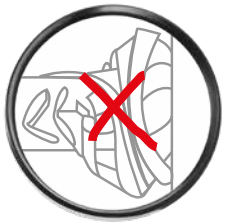
ANCHOR RING

Ensures an embedment depth in the masonry of 70 mm thanks to a noticeable resistance when the anchor is driven in.



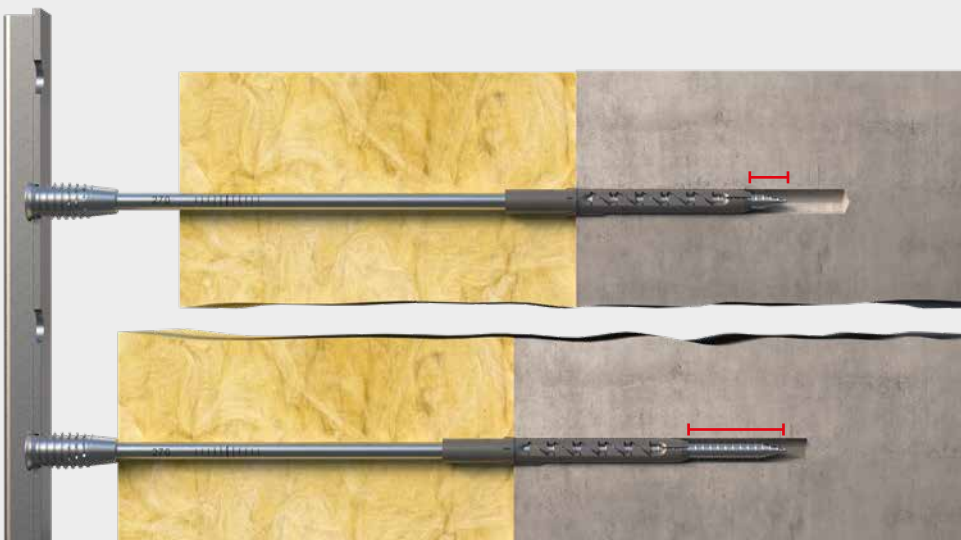
ANCHOR SLEEVE

With ETA-approved geometry.
Immediate load-bearing capacity with very strong anti-rotation lock.
Suitable for all standard masonry substrates and concrete.



VARIABLE SCREW-IN DEPTH

For tolerance compensation of up to 25 mm on the masonry/concrete.



STAY WARM SAFELY

In most applications and substrate groups (see table 1), the REISSER spacer screw system can already be considered free of thermal bridges.
This is because our spacer screws are made of stainless steel A4 and therefore only lose one third of the heat compared to steel screws.

This often saves 2–4 cm of insulation material thickness, ensuring a particularly sustainable solution.

Table 1

Substrate groups A–E in accordance with EOTA TR025

Substrate group Masonry	Description	Masonry thickness in mm	Thermal conductivity λ W/(m•K)	R-value* in (m²• K)/W
A	Normal weight concrete	175	2.30	0.08
B	Solid brick masonry	175	1.20	0.15
C	Hollow concrete block/ perforated brick masonry	175	0.56	0.31
D	Lightweight concrete	175	0.36	0.49
E	Aerated concrete	175	0.16	1.09

*Thermal resistance

Mounting less than 0.003 W/K is already considered to be free of thermal bridges (see tables 2 and 3)

Table 2

Nominal values for punctual thermal transmittance – RDS-CA

Insulation thickness	χ in W/K per substrate				
	A	B	C	D	E
h ≤ 180	0.006	0.006	0.006	0.004	0.003
h > 180	0.003	0.003	0.003	0.003	0.002

For insulation thicknesses > 180 mm, the fastener is considered to be free of thermal bridges

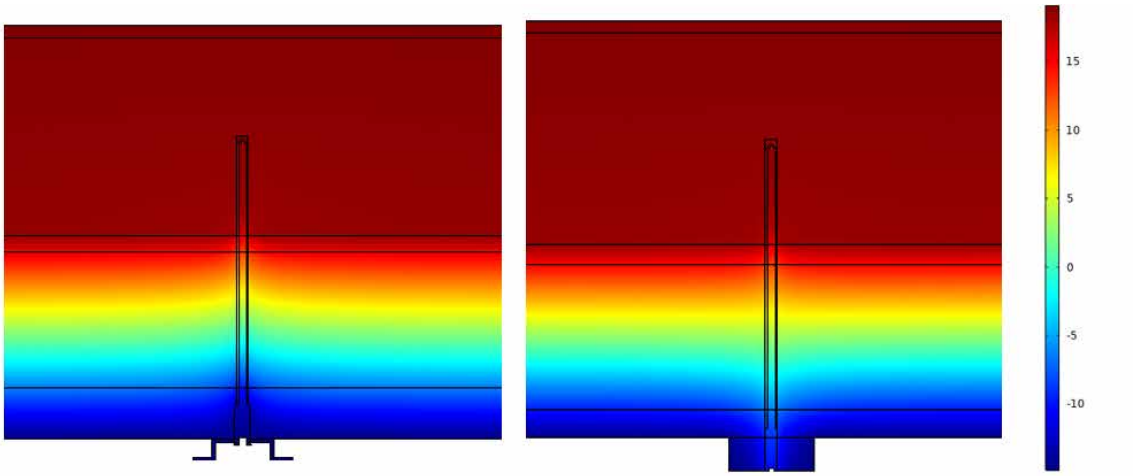
Table 3

Nominal values for punctual thermal transmittance – RDS-CW

Insulation thickness	χ in W/K per substrate				
	A	B	C	D	E
h ≤ 160	0.004	0.004	0.003	0.003	0.002
h > 160	0.003	0.003	0.002	0.002	0.002

For insulation thicknesses > 160 mm, the fastener is considered to be free of thermal bridges

Temperature profiles for secondary aluminium and wooden substructures

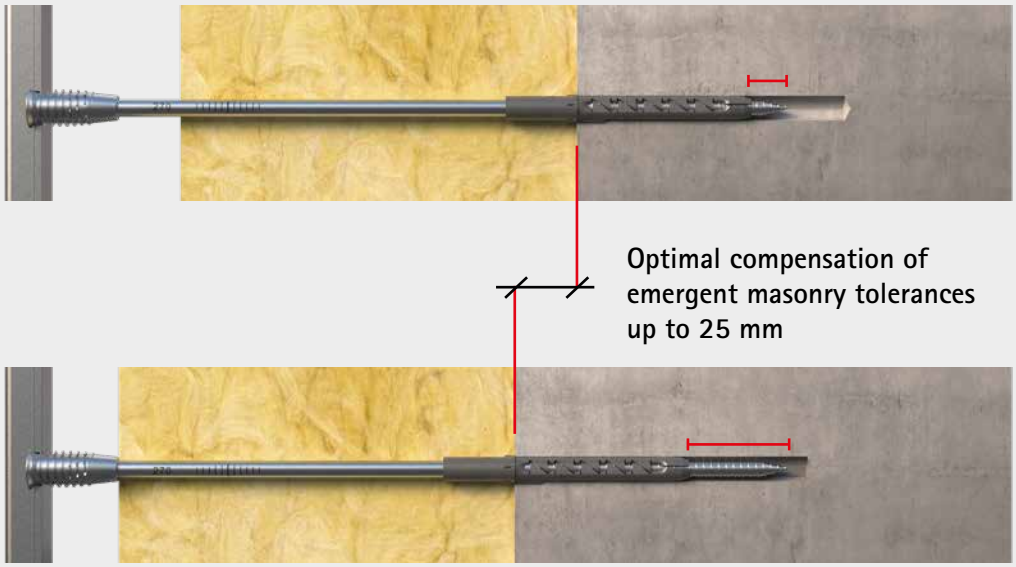


OPTIMAL LOAD TRANSFER

TIMBER FRAME SCREW CONNECTIONS

Excellent dissipation of the façade load (façade weight and wind load) via the spacer screw with anchor in the masonry/concrete, in both strong/weak-compression insulation materials.

COMPENSATION OF MASONRY TOLERANCES

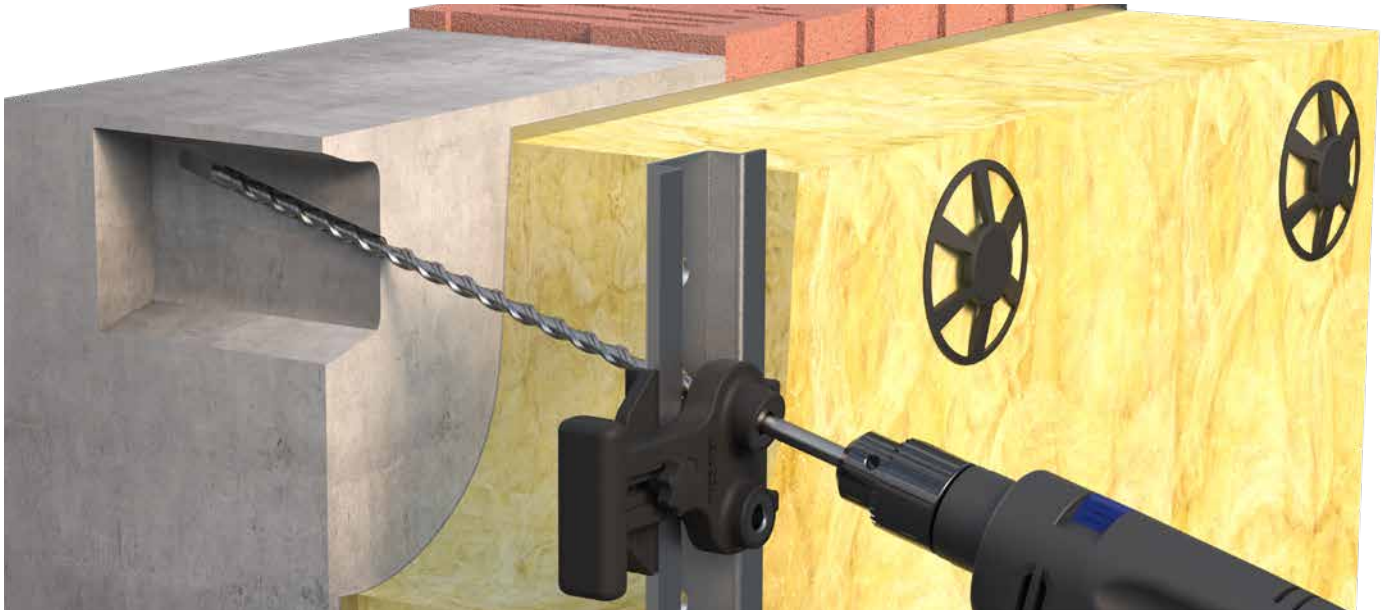


The construction can also be aligned as a follow-up step with no problems. The profile can be readjusted at any time by unscrewing the 0° screw, adjusting the profile and then retightening the screw.
The profile should be in its final position before installing the 15° screws.

EASY TO INSTALL

APPLICATION

Identical processing in aluminium and wood profiles

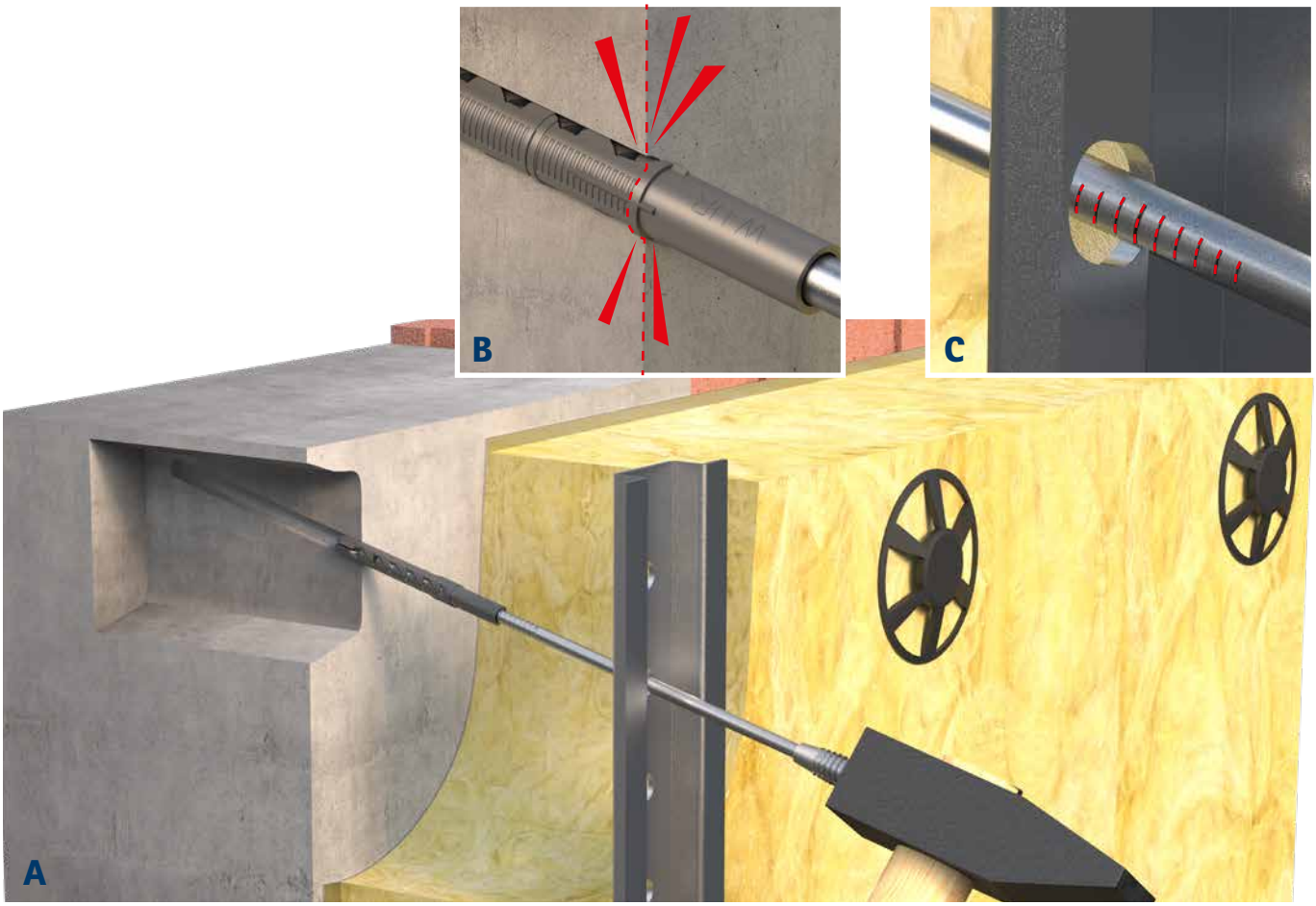


01 I DRILLING

Create a dia. 10 mm drill hole through the profile and insulation with a minimum drilling depth in masonry/concrete of 105 mm.

02 I CLEANING

Clean the drill hole. Adjust the drilling method according to the substrate.



03 I INSTALLING THE ANCHORS

Carefully drive in the screw with the pre-assembled anchor sleeve (A). When the setting depth of 70 mm in the masonry/concrete has been reached, there will be noticeable resistance from the anchor ring (B). The screw is seated correctly when the outer edge of the profile is in the marked area (C).

04 I SCREWING IN

Slowly screw in (approx. 100 rpm) until the screw reaches the end position in the profile (the aluminium profile must be positioned in the last third of the head thread. Do not screw in to the extent that the head is flush, as there is a risk of shifting the position of the profile and weakening the mounting in the aluminium / In the wood version, the screw head is flush or recessed a maximum of 2 mm into the wood slatting).

RDS-CA | Spacer screw aluminium

FIELD OF APPLICATION:
For fastening of secondary aluminium substructures to the front of masonry/concrete.

ADVANTAGES:
- Minimised thermal bridging: Heat loss is minimal thanks to the low thermal conductivity of the A4 stainless steel material
- Quick to install: Having very few working steps within a short installation time ensures high profitability
- Easy mounting: Easy to install without having to inconveniently cut the insulation
- Flexible and versatile: Fully compatible with all commercially available insulation materials (strong & weak in compression) and profiles – can be used in both new builds and renovations
- Connection system complies with fire protection standards: Meets current fire protection requirements, making it a safe connection system for RVF

TECHNICAL DATA:
Material: Stainless steel A4
Drive: Hexagon socket 6
Processing speed [rpm]: 100
Head diameter [mm]: 16 mm
Anchor diameter [mm]: 10.0

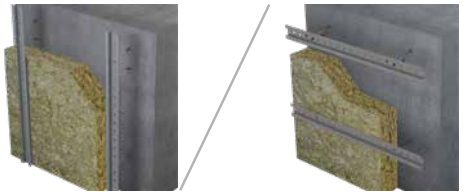
DRILLING CAPACITY:
Component 1 [mm]: Aluminium 2.0; Aluminium 3.0
Component 2 [mm]: Masonry Min. 120
Drill hole diameter, component 1 [mm]: 13
Drill hole diameter, component 1 [mm]: 13.5
Drill hole diameter, component 2 [mm]: 10
Minimum screw-in depth [mm]: 70

Designation	Dia. [mm]	Length [mm]	Thread length [mm]	Clamping area [mm]	Unit	Art. no.	GTIN
RDS-CA	10.0	190	100	85 - 110	30	0RDSCAW138-100190D-1	4005674 18749 7
	10.0	210	100	105 - 130	30	0RDSCAW138-100210D-1	4005674 18751 0
	10.0	230	100	125 - 150	30	0RDSCAW138-100230D-1	4005674 18753 4
	10.0	250	100	145 - 170	30	0RDSCAW138-100250D-1	4005674 18755 8
	10.0	270	100	165 - 190	30	0RDSCAW138-100270D-1	4005674 18789 3
	10.0	290	100	185 - 210	30	0RDSCAW138-100290D-1	4005674 18757 2
	10.0	310	100	205 - 230	30	0RDSCAW138-100310D-1	4005674 18759 6
	10.0	330	100	225 - 250	30	0RDSCAW138-100330D-1	4005674 18760 2
	10.0	350	100	245 - 270	30	0RDSCAW138-100350D-1	4005674 18761 9
	10.0	370	100	265 - 290	30	0RDSCAW138-100370D-1	4005674 18763 3

EDELSTAHL Rostfrei STAINLESS STEEL

Z-21.2-2130

PRODUCT INFORMATION:
Incl. matching bit
Anchor tested for tension and pressure
Installation instructions: Pay close attention to the installation guidelines provided in the general technical appoval Z-21.2-2130



RDS-CW | Spacer screw wood

FIELD OF APPLICATION:

For fastening of secondary wooden substructures to the front of masonry/concrete.

ADVANTAGES:

- Minimised thermal bridging: Heat loss is minimal thanks to the low thermal conductivity of the A4 stainless steel material
- Quick to install: Having very few working steps within a short installation time ensures high profitability
- Easy mounting: Easy to install without having to inconveniently cut the insulation
- Flexible and versatile: Fully compatible with all commercially available insulation materials (strong & weak in compression) and profiles – can be used in both new builds and renovations
- Connection system complies with fire protection standards: Meets current fire protection requirements, making it a safe connection system for RVF

TECHNICAL DATA:

Material: Stainless steel A4
Drive: Hexagon socket 5
Processing speed [rpm]: 100
Head diameter [mm]: 13 mm
Anchor diameter [mm]: 10.0

DRILLING CAPACITY:

Component 1 [mm]: Wood Min. H: 27; W: 58
Component 2 [mm]: Masonry Min. 120
Drill hole diameter, component 1 [mm]: 10
Drill hole diameter, component 2 [mm]: 10
Minimum screw-in depth [mm]: 70

Designation	Dia. [mm]	Length [mm]	Thread length [mm]	Clamping area [mm]	Unit	Art. no.	GTIN
RDS-CW	10.0	190	100	90 - 115	30	0RDSCWW138-100190D-1	4005674 18791 6
	10.0	210	100	110 - 135	30	0RDSCWW138-100210D-1	4005674 18793 0
	10.0	230	100	130 - 155	30	0RDSCWW138-100230D-1	4005674 18795 4
	10.0	250	100	150 - 175	30	0RDSCWW138-100250D-1	4005674 18797 8
	10.0	270	100	170 - 195	30	0RDSCWW138-100270D-1	4005674 18798 5
	10.0	290	100	190 - 215	30	0RDSCWW138-100290D-1	4005674 18799 2
	10.0	310	100	210 - 235	30	0RDSCWW138-100310D-1	4005674 18801 2
	10.0	330	100	230 - 255	30	0RDSCWW138-100330D-1	4005674 18802 9
	10.0	350	100	250 - 275	30	0RDSCWW138-100350D-1	4005674 18803 6
	10.0	370	100	270 - 295	30	0RDSCWW138-100370D-1	4005674 18805 0

EDELSTAHL Rostfrei STAINLESS STEEL

Z-21.2-2130

PRODUCT INFORMATION:

Incl. matching bit
Anchor tested for tension and pressure
Installation instructions: Pay close attention to the installation guidelines provided in the general technical appoval Z-21.2-2130

RDS-CTS 10 | Test screw

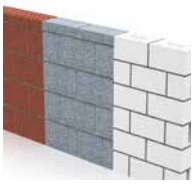
FIELD OF APPLICATION:
For testing existing masonry.

TECHNICAL DATA:
Material: Steel
Drive: Combi SW-SIT® 40/SW 13
Head diameter [mm]: 19.2
Anchor diameter [mm]: 10.0

DRILLING CAPACITY:
Component 1 [mm]: Test device
Component 2 [mm]: Masonry 120
Drill hole diameter, component 2 [mm]: 10
Minimum screw-in depth [mm]: 70

Designation	Dia. [mm]	Length [mm]	Thread length [mm]	Unit	Art. no.	GTIN
RDS-CTS 10	7.0	122	100.0	30	RDSCTSS021-070122D-1	4005674 23082 7

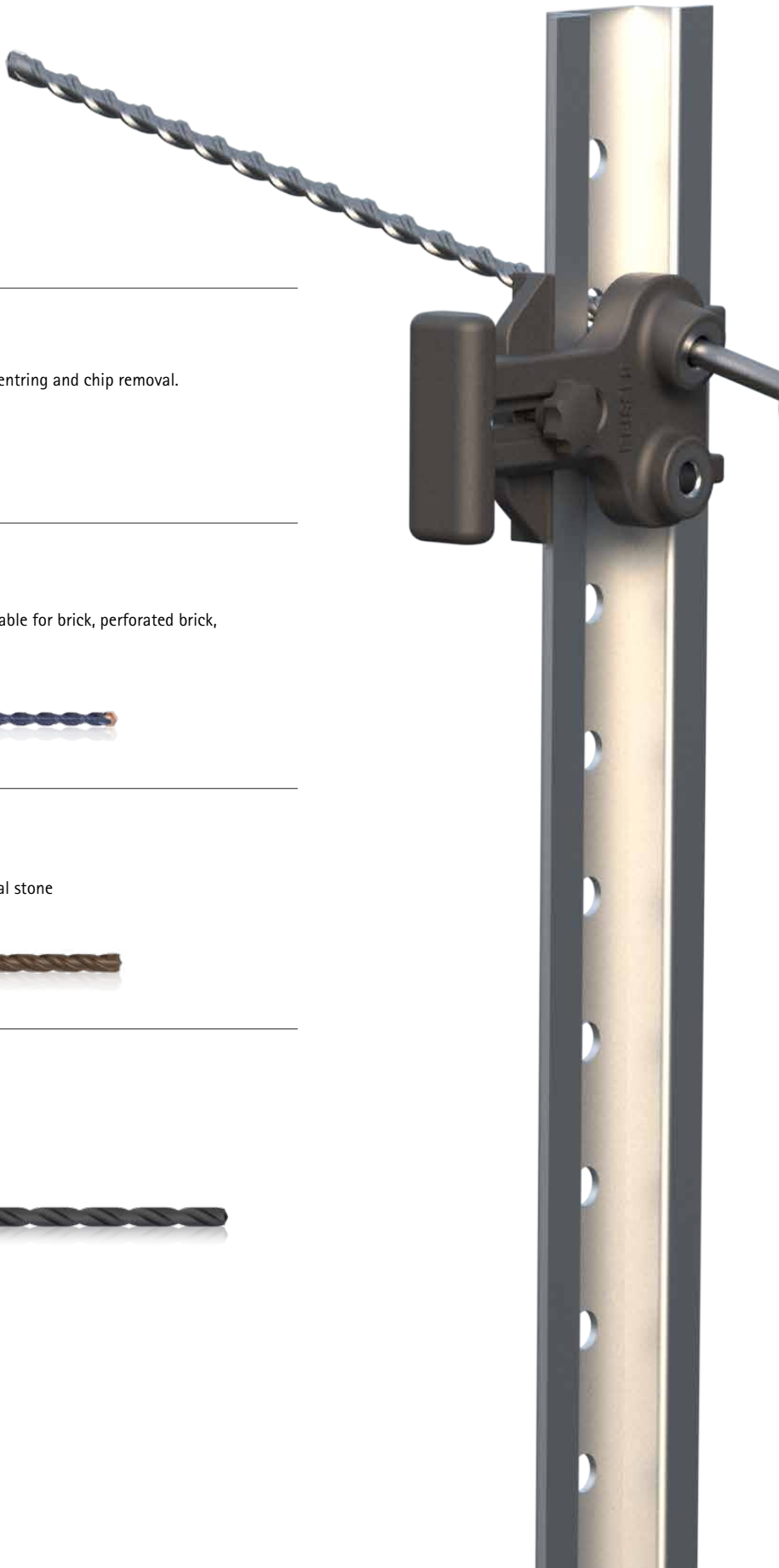
EDELSTAHL® Rostfrei STAINLESS STEEL



HIGH-QUALITY AUXILIARY TOOLS

Vertical drilling jig I RDS-DJ

Additional tool for pre-drilling masonry/concrete and primary woodsubstructures.
Art. no. 0RDSDJP011-155090P-1



Precision twist wood drill bit I PRHOSB

Precision drill bit for wood/hardwood and plastics with optimal centring and chip removal.
10x 133/50 mm I Art no. PRHOSBS011-100133L-1

Multi-purpose drill bit I MEZWBO

Drill bit for drilling a variety of masonry materials (especially suitable for brick, perforated brick, sand-lime brick and lightweight concrete).
10 x 400/300 mm I Art. no. MEZWBOS010-100400L-1

SDS hammer drill bit I HBSDS3

Hammer drill bit with three cutting edges for concrete and natural stone
10x 320/250 mm I Art. no. HBSDS3S010-100320L-1

High-profile drill I HPB

High-profile drill bits for wood and aerated concrete
6.0 x 400/100 mm I Art. no. 00T338S011-060400L-1
9.5 x 450/110 mm I Art. no. 00T338S011-095450L-1

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SUSTAINABILITY PERFECTED

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