

ASSY®plus 4 A2 CH TERRACE terrace construction screw A2 plain stainless steel partial thread with underhead thread cylinder head

Special partial thread screw with grooved shank made of high quality austenitic A2 stainless steel with small cheese head and underhead thread. Provides visually appealing fastening, close to edges without pre-drilling of terrace floorboards, wooden facades, skirting boards, fences etc. Suitable for outdoor areas constantly exposed to weathering.



Ideal power transmission thanks to RW drive

- More power due to larger contact area at the bit
- More stability, one-handed working, precise positioning due to the tight-fit recess and perfect fit of the bit
- Fewer bit changes, one bit for many screw diameters
- Compatibility with previous AW drive

Precise positioning and very clean drilling due to advanced centring drill tip

- Positioning and drilling without chipping
- Maximum drilling performance and precise drilling process through drilling cutting edges (similar to Forstner bits)
- Precise positioning on hard surfaces without slipping thanks to centring pin
- Quick screwing due to gentle start of thread

Unobtrusive mounting of wooden components

- Small head diameter for unobtrusive mounting
- Low splitting effect when countersinking the screw head

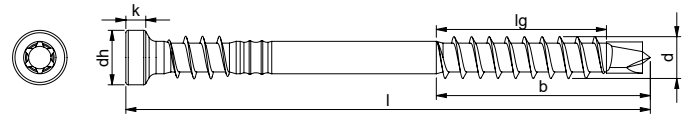
Maximum reliability of the screw connection due to asymmetrical single thread

- Optimal matching of drill tip and thread geometry
- Excellent anchoring in wood due to asymmetrical arrangement of thread flanks

Stainless mounting for accessible wood connections in outdoor areas exposed to weathering

- Made of austenitic, non-magnetic and non-rusting A2 stainless steel
- Can be used in rural or urban environments or industrial atmospheres without significant exposure to chlorides or SO₂
- With friction-reducing slide coating for easy screwing

Nominal diameter (d)	5.5 mm
Head diameter (d _h)	6.8 mm
Head height (k)	2.3 mm
Internal drive	RW20
Material	Stainless steel A2
Surface	Plain
RoHS-compliant	Yes

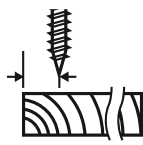


Length (l)	Thread length (l _g)	Screw-thread length with drill tip (b)	Art. no.	P. Qty.
50 mm	18 mm	22.5 mm	0166 825 550	250
60 mm	23 mm	27.5 mm	0166 825 560	250
70 mm	23 mm	27.5 mm	0166 825 570	250
80 mm	33 mm	37.5 mm	0166 825 580	200

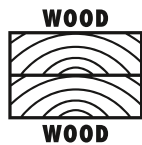
Can be stored neatly in **ORSY** racks or **ORSYMAT** vending machines



Wood façade



Small edge distance



Wood/wood connection



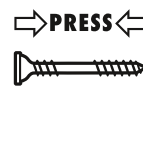
Rustproof stainless steel



Timber construction



Wooden decking



Merging effect



Outdoors

Details/Application

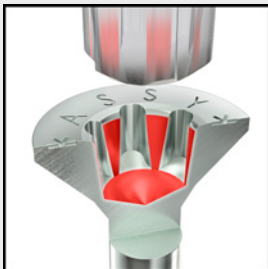
For the fixed connection of two wooden elements

The underhead thread beneath the head with even thread pitch and equal external diameter enables two wooden elements to be permanently connected in the assembled state. Any creaking caused by the drying and swelling of the wooden components is excluded. Integrated shaft grooves improve pulling together.

For wood-wood connections designed to pull together

A wood-wood connection designed to pull together is possible owing to partial thread starting immediately after the shank. The thread in this case is positioned entirely in the lower second component.

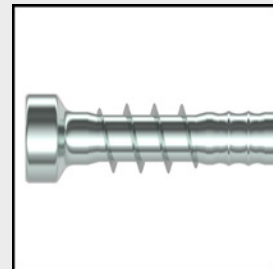
RW drive



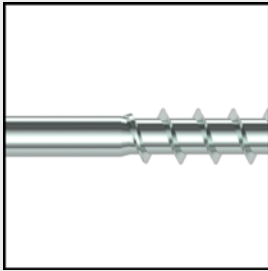
Cylinder head



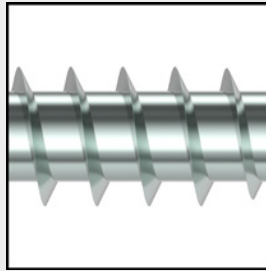
F-type underhead thread



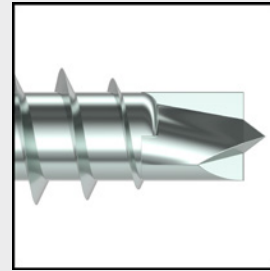
Partial thread



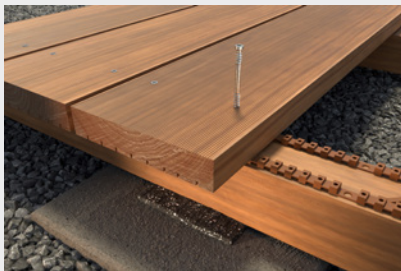
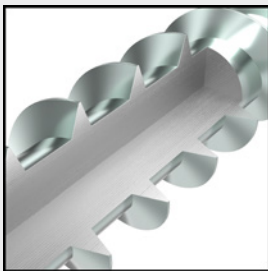
Asymmetrical high-performance thread



Centre drill tip



Stainless steel A2



Instructions

- For optimum use of the screw, the right-size RW bit must be used
- Partial-thread screws are ideal for connecting wooden components. To achieve optimum assembly of the components, the components to be fixed must not be thicker than the length of the shank
- ASSY screws are approved for quasi-static loads
- ASSY stainless steel screws can be used to attach hardwood terraces and flooring. Pre-drilling is recommended for tropical timber with high bulk density

Proof of performance

ETA-11/0190 approved



Notice

- We recommend using the Würth software or the corresponding design aids for planning and dimensioning your assembly. Use the Würth timber construction software for dimensioning of ASSY screws from a diameter of 5 mm

- ASSY 4, ASSYplus 4 and ASSYplus 4 FT chipboard screws are optimised for use in wood and wood materials. For applications in plastic anchors where load capacity can also be reduced, use only screws without an optimised thread tip (tip with milling ribs, drill tip, self-clearing groove etc.), such as the ASSY D screws with countersunk head or pan head

The requirements of the European Technical Approval (ETA) must be observed.

Related products		Art. no.
1/4-inch bit drill holder		0614 176 760
Universal holder E 6.3 (1/4")		0614 176 711

Related products for	Designation	Art. no.
0166 825 550	RW® bit	0614 70 20
	RW® bit	0614 71 20
	RW® bit	0614 72 20
0166 825 560	RW® bit	0614 70 20
	RW® bit	0614 71 20
	RW® bit	0614 72 20
0166 825 570	RW® bit	0614 70 20
	RW® bit	0614 71 20
	RW® bit	0614 72 20
0166 825 580	RW® bit	0614 70 20
	RW® bit	0614 71 20
	RW® bit	0614 72 20