

ASSY® plus 4 FBS RCS window construction screw Hardened steel zinc-plated full thread raised countersunk head

Special full threaded screw with raised counter-sunk head and restraining ribs for gap-free fastening close to edges. For mounting of metal fittings to timber windows without pre-drilling the wood

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

Visually appealing connections in window construction

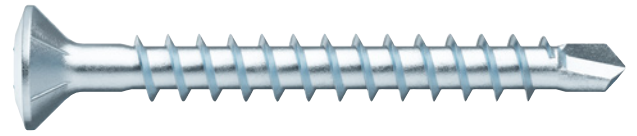
- Lens-shaped, rounded head for a visually appealing window fitting connection
- The spring-loaded effect of the restraining ribs prevents the screw from overturning and destroying the head

Maximum reliability of the screw connection due to asymmetrical single thread

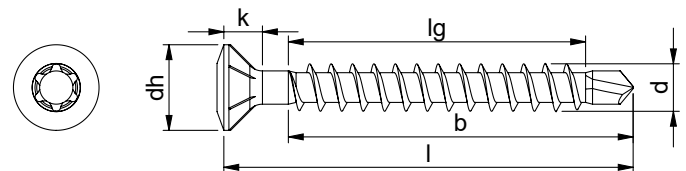
- Optimal matching of drill tip and thread geometry
- Excellent anchoring in wood due to asymmetrical arrangement of thread flanks

Small edge distances

- Drilling in locations with small permissible edge distances (3xd) is possible thanks to a wedge-shaped drill tip with parallel cutting edges
- Assembly without gaps
- The wood does not split and rupture

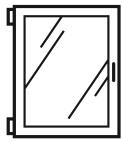


Material	Hardened steel
Surface	Zinc plated
RoHS-compliant	Yes
Nominal diameter (d)	4 mm
Head diameter (d _h)	7 mm
Head height (k)	1.6 mm
Internal drive	RW20

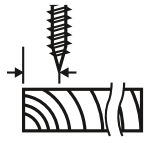


Length (l)	Thread length (lg)	Screw-thread length with drill tip (b)	Art. no.	P. Qty.
25 mm	18 mm	21.5 mm	0178 744 025	1000
30 mm	23 mm	26.5 mm	0178 744 030	1000
35 mm	25 mm	28.5 mm	0178 744 035	1000
40 mm	30 mm	33.5 mm	0178 744 040	500
45 mm	35 mm	38.5 mm	0178 744 045	500

Can be stored neatly in ORSY racks or ORSYMAT vending machines



Window construction



Small edge distance



Indoors



Steel/wood connection



Furniture fitting

Details/Application

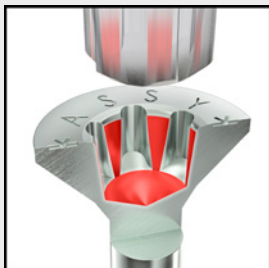
For steel-wood connections designed for tensile forces

The full thread starting immediately below the head allows for e.g. fitting-wood or sheet material-wood connections designed for tensile forces with high load-bearing capacity. Greater screw pull-out force is achieved by the maximum thread length.

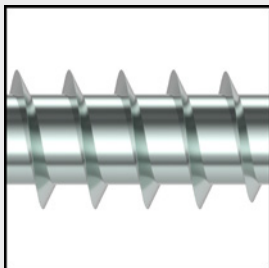
For applications in utilisation class 1 and utilisation class 2 (from $\varnothing > 4$ mm)

- High-quality surface protection, zinc, blue-passivated chromium(VI)-free 5 μ m layer thickness
- Suitable for use in utilisation class 1 (interior) and from $\varnothing > 4$ mm in utilisation class 2 (wet area or covered outdoor area) according to EN 1995-1-1:2010-12 + DIN SPEC 1052-100:2013-08

RW drive



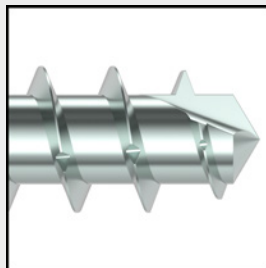
Asymmetrical high-performance thread



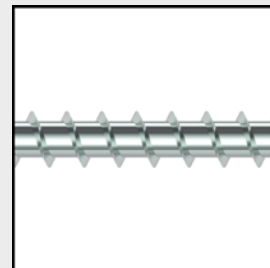
Raised countersunk head with brake grooves



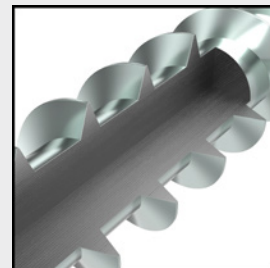
Drill tip



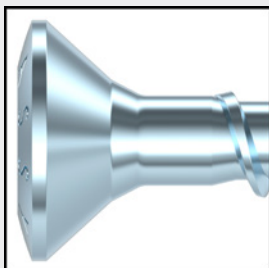
Full thread



Hardened steel



Zinc-plated/A2K





Instructions

- For optimum use of the screw, the right-size RW bit must be used
- Full-thread screws are suitable for secure mounting of fittings or thin materials. The screw length to be selected should be less than the plate thickness of substrate the screw is to be driven in
- If countersunk head screws are used for a metal-to-wood mounting, the metal to be connected must be provided with suitable countersunk holes

Proof of performance

ETA-11/0190 approved



Notice

- Do not use the screw in applications with direct exposure to the elements or in humid rooms with atmospheres containing chlorine gas. Please use ASSYplus 4 stainless steel screws for outdoor applications and rooms with constant high humidity
- We recommend using the Würth software or the corresponding design aids for planning and dimensioning your assembly. Dimensions of the ASSY screws can be carried out in the Würth timber construction software from a Ø 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 for	Designation	Art. no.
0178 744 025	RW [®] bit	0614 70 20
	RW [®] bit	0614 71 20
	RW [®] bit	0614 72 20
0178 744 030	RW [®] bit	0614 70 20
	RW [®] bit	0614 71 20
	RW [®] bit	0614 72 20
0178 744 035	RW [®] bit	0614 70 20
	RW [®] bit	0614 71 20
	RW [®] bit	0614 72 20

	Related products for	Designation	Art. no.
	0178 744 040	RW [®] bit	0614 70 20
		RW [®] bit	0614 71 20
		RW [®] bit	0614 72 20
	0178 744 045	RW [®] bit	0614 70 20
		RW [®] bit	0614 71 20
		RW [®] bit	0614 72 20