

Nominal diameter (d)	Length (l)	Thread length (lg)	Head diameter (d _h)	Head height (k)	Art. no.	P. Qty.
4.5 mm	60 mm	28 mm	8.9 mm	2.8 mm	0190 404 560	250
4.5 mm	70 mm	28 mm	8.9 mm	2.8 mm	0190 404 570	200

Can be stored neatly in ORSY racks or ORSYMAT vending machines

Details/Application

For connecting two wooden elements without assembly gap

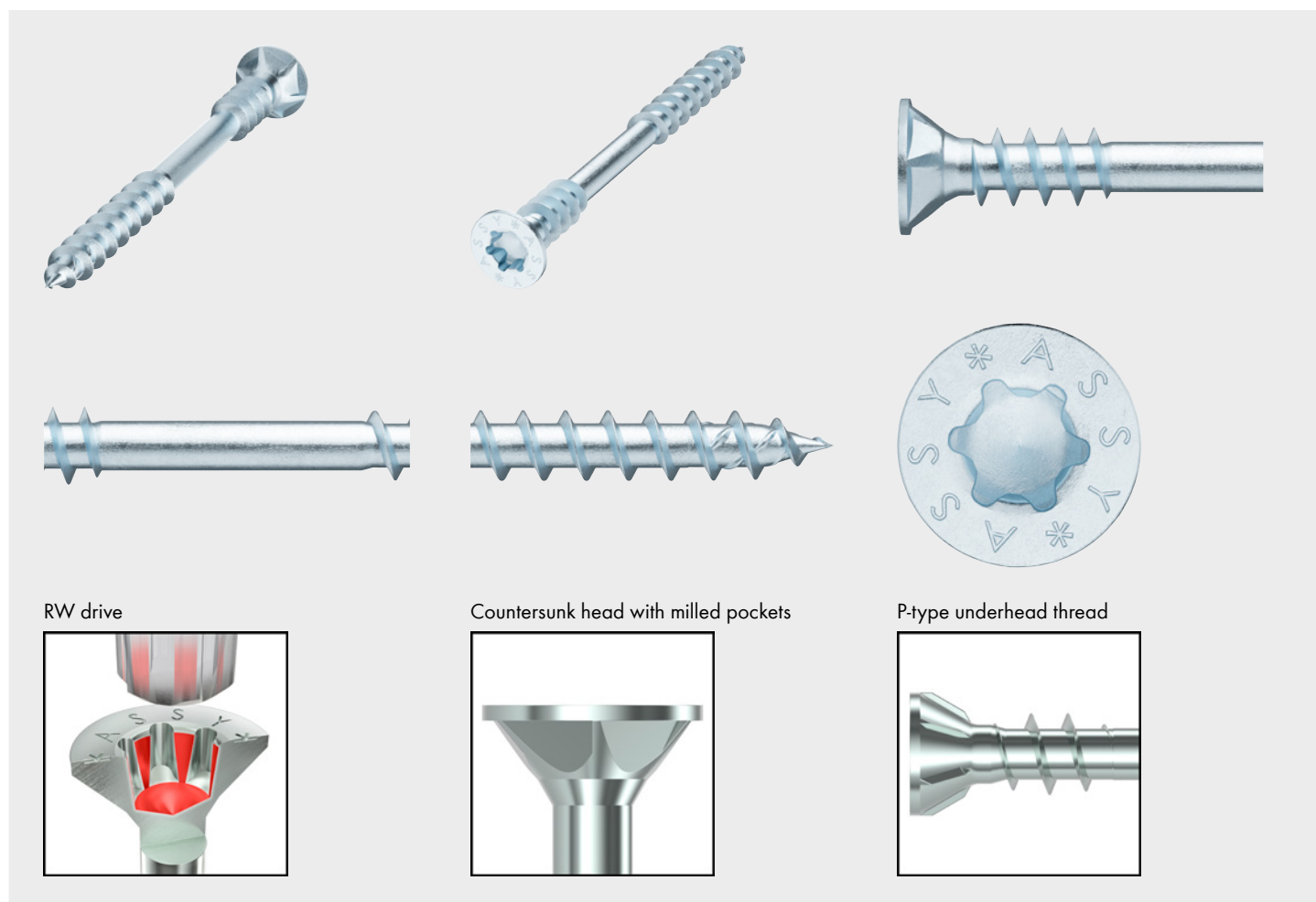
The underhead thread beneath the head with reduced thread pitch and enlarged external diameter allows two wooden elements to be connected without assembly gap. A flush connection of the screw head with the material surface is possible.

For wood-wood connections designed to pull together

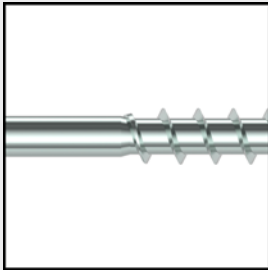
The partial thread starting immediately below the shank allows for wood-wood connections designed to pull together. The screw thread is positioned entirely in the lower component once screwed in.

For applications in utilisation class 1 and utilisation class 2 (from Ø > 4 mm)

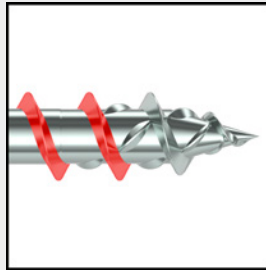
- High-quality surface protection zinc blue passivated chromium(VI)-free, up to Ø 4 mm A2K 5 µm, from Ø 4.5 mm A3K 8 µm layer thickness
- Suitable for use in utilisation class 1 (interior) and from a Ø > 4 mm in utilisation class 2 (covered outdoor area) according to EN 1995-1-1:2010-12 + DIN SPEC 1052-100:2013-08
- For screws from Ø 4.5 mm with zinc layer thickness 8 µm with Cr(III) passivation, the requirement of classification T2/C2 is fulfilled in accordance with prEN 14592:2017 (D)



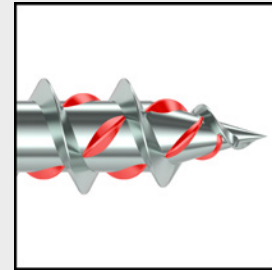
Partial thread



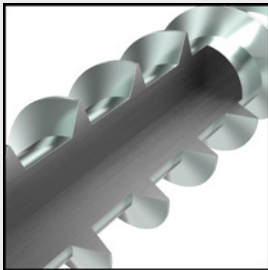
Asymmetrical high-performance thread (coarse)



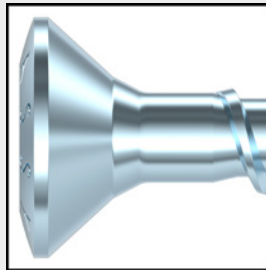
Tip with milling ribs



Hardened steel



Zinc-plated/A2K or A3K



Instructions

- ASSY screws are approved for quasi-static loads
- For optimum use of the screw, the right-size RW bit must be used
- Partial-thread cabinet screws are ideal for joining light wood materials such as chipboard. To achieve optimum component assembly, the component thickness to be fixed must be greater than the shaft length

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
- Do not use the screw in applications with direct exposure to the elements or in humid rooms with atmospheres containing chlo-

rine gas. If used outdoors and in rooms that are constantly exposed to high humidity, please use ASSY 4 A2 or A4 stainless steel screws and, if atmosphere contains chlorine, HCR stainless steel screws

- 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