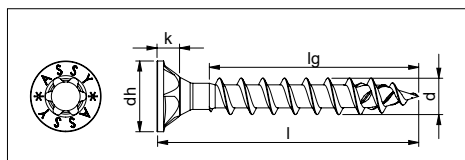
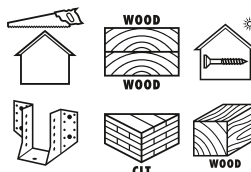
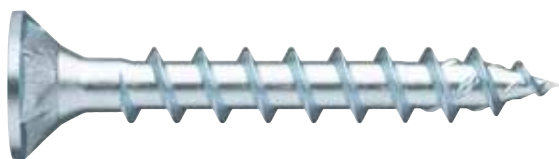


## ASSY® 4 CSMP UNIVERSAL SCREW STEEL ZINC-PLATED FULL THREAD COUNTERSUNK HEAD WITH MILLING POCKETS



Material	Hardened Steel
Surface	Zinc Plated
RoHS-compliant	Yes



### Application area:

#### 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, up to  $\varnothing 4$  mm A2K 5  $\mu\text{m}$ , from  $\varnothing 4.5$  mm A3K 8  $\mu\text{m}$  layer thickness.
- Suitable for use in utilisation class 1 (interior) and from a  $\varnothing > 4$  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  $\varnothing 4.5$  mm with zinc layer thickness 8  $\mu\text{m}$  with Cr(III) passivation, the requirement of classification T2/C2 is fulfilled in accordance with prEN 14592:2017 (D).

### Instructions:

- ASSY screws are approved for quasi-static loads.
- 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.

### 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 chlorine 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.

**Universal full thread screw for fast, permanent fixing of wood-wood connections or metal-wood fastening in furniture construction, interior construction or wood construction in indoor dry or sheltered areas.**

### Ideal power transmission thanks to RW drive.

- More power due to larger contact area at the bit.
- More stability and precise positioning due to perfect fit of the bit in the screw drive.
- One-handed work and excellent support when positioning due to tight-fit recess.
- Fewer bit changes thanks to wide coverage of applications by just one bit.
- Compatibility with previous AW drive.

### No over-tightening or stripping with high feed performance.

- Higher power transmission in hardwoods due to reinforced, asymmetrical thread flank geometry of the coarse thread.
- Better anchoring depth due to higher thread flanks.

### Gentle thread start ensures optimised positioning and biting of the screw.

- Low splitting effect due to the displacement effect of the dome-shaped milling elements, arranged in the opposite direction to the tip with milling ribs.
- Low-friction thread rotation allows the applied screw-in force to be reduced.

### High strength values and ductility.

Adjusted heat treatment guarantees high strength values and high ductility.

### Proof of Performance:

ETA-11/0190 approved



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