

ASSY® 4 CS fittings screw Steel zinc plated full thread countersunk head

Full-thread screw with countersunk head for fastening fittings or cabinet connectors in wood or wooden panels in indoor dry or sheltered areas

Ideal power transmission thanks to RW recess

- More power due to larger contact area at the bit
- More stability, one-handed working and 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

Positive connection to metal fittings or in wooden products with high bulk density

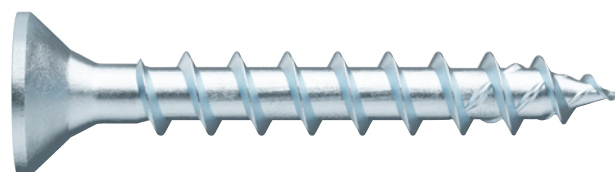
- For fitting connection with full thread steel screws
- Perfect fit of 90° head in fittings with metal countersinks
- Tight joint without head milling due to lack of milling elements below the head
- The head is countersunk by pressing

Maximum overtightening safety with high feed performance

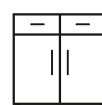
- Higher power transmission in hardwoods due to reinforced, asymmetrical thread flank geometry of the coarse thread
- Better anchorage thanks to higher thread flanks

Smooth thread start ensures optimised recessing and biting of the screw

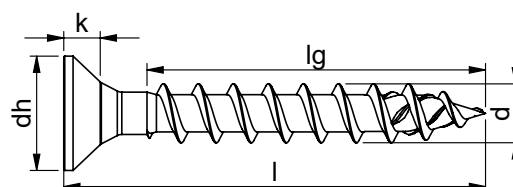
- Reduced splitting thanks to displacement effect of the dome-shaped milling elements in the tip
- Reduced-friction thread rotation allows reduction of the screw-in force that is applied



ASSY® 



Material	Hardened steel
Surface	Zinc plated
RoHS-compliant	Yes

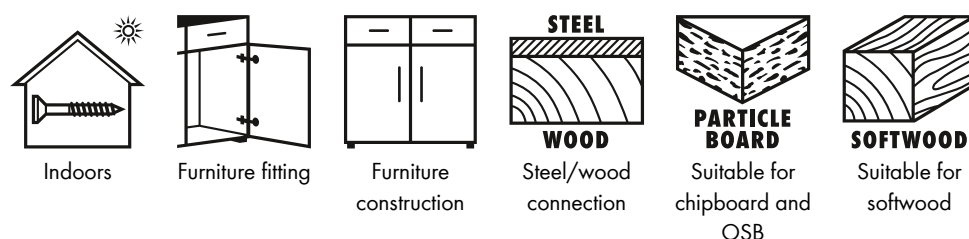


Nominal diameter (d)	Length (l)	Thread length (lg)	Head diameter (dh)	Head height (k)	Internal drive	Art. no.	P. Qty.
3 mm	10 mm	7 mm	5.9 mm	1.9 mm	RW10	0190 030 10	1000
3 mm	12 mm	9 mm	5.9 mm	1.9 mm	RW10	0190 030 12	1000
3 mm	13 mm	10 mm	5.9 mm	1.9 mm	RW10	0190 030 13	1000
3 mm	15 mm	12 mm	5.9 mm	1.9 mm	RW10	0190 030 15	1000
3 mm	16 mm	13 mm	5.9 mm	1.9 mm	RW10	0190 030 16	1000
3 mm	17 mm	14 mm	5.9 mm	1.9 mm	RW10	0190 030 17	1000
3 mm	20 mm	17 mm	5.9 mm	1.9 mm	RW10	0190 030 20	1000

Nominal diameter (d)	Length (l)	Thread length (lg)	Head diameter (d _h)	Head height (k)	Internal drive	Art. no.	P. Qty.
3 mm	25 mm	22 mm	5.9 mm	1.9 mm	RW10	0190 030 25	1000
3 mm	30 mm	25 mm	5.9 mm	1.9 mm	RW10	0190 030 30	1000
3 mm	35 mm	30 mm	5.9 mm	1.9 mm	RW10	0190 030 35	1000
3 mm	40 mm	35 mm	5.9 mm	1.9 mm	RW10	0190 030 40	500
3 mm	45 mm	35 mm	5.9 mm	1.9 mm	RW10	0190 030 45	500
3.5 mm	12 mm	8 mm	7 mm	2.3 mm	RW10	0190 035 012	1000
3.5 mm	13 mm	9 mm	7 mm	2.3 mm	RW10	0190 035 013	1000
3.5 mm	15 mm	11 mm	7 mm	2.3 mm	RW10	0190 035 015	1000
3.5 mm	16 mm	12 mm	7 mm	2.3 mm	RW10	0190 035 016	1000
3.5 mm	17 mm	13 mm	7 mm	2.3 mm	RW10	0190 035 017	1000
3.5 mm	20 mm	16 mm	7 mm	2.3 mm	RW10	0190 035 020	1000
3.5 mm	25 mm	21 mm	7 mm	2.3 mm	RW10	0190 035 025	1000
3.5 mm	30 mm	25 mm	7 mm	2.3 mm	RW10	0190 035 030	1000
3.5 mm	35 mm	30 mm	7 mm	2.3 mm	RW10	0190 035 035	1000
3.5 mm	40 mm	35 mm	7 mm	2.3 mm	RW10	0190 035 040	500
3.5 mm	45 mm	40 mm	7 mm	2.3 mm	RW10	0190 035 045	500
3.5 mm	50 mm	45 mm	7 mm	2.3 mm	RW10	0190 035 050	500
3.5 mm	12 mm	8 mm	7 mm	2.3 mm	RW20	0190 035 12	1000
3.5 mm	13 mm	9 mm	7 mm	2.3 mm	RW20	0190 035 13	1000
3.5 mm	15 mm	11 mm	7 mm	2.3 mm	RW20	0190 035 15	1000
3.5 mm	16 mm	12 mm	7 mm	2.3 mm	RW20	0190 035 16	1000
3.5 mm	17 mm	13 mm	7 mm	2.3 mm	RW20	0190 035 17	1000
3.5 mm	20 mm	16 mm	7 mm	2.3 mm	RW20	0190 035 20	1000
3.5 mm	25 mm	21 mm	7 mm	2.3 mm	RW20	0190 035 25	1000
3.5 mm	30 mm	25 mm	7 mm	2.3 mm	RW20	0190 035 30	1000
3.5 mm	35 mm	30 mm	7 mm	2.3 mm	RW20	0190 035 35	1000
3.5 mm	40 mm	35 mm	7 mm	2.3 mm	RW20	0190 035 40	500
3.5 mm	45 mm	40 mm	7 mm	2.3 mm	RW20	0190 035 45	500
3.5 mm	50 mm	45 mm	7 mm	2.3 mm	RW20	0190 035 50	500
4 mm	12 mm	8 mm	8 mm	2.5 mm	RW20	0190 040 12	1000
4 mm	13 mm	9 mm	8 mm	2.5 mm	RW20	0190 040 13	1000
4 mm	15 mm	11 mm	8 mm	2.5 mm	RW20	0190 040 15	1000
4 mm	16 mm	12 mm	8 mm	2.5 mm	RW20	0190 040 16	1000
4 mm	17 mm	13 mm	8 mm	2.5 mm	RW20	0190 040 17	1000
4 mm	20 mm	16 mm	8 mm	2.5 mm	RW20	0190 040 20	1000
4 mm	25 mm	21 mm	8 mm	2.5 mm	RW20	0190 040 25	1000
4 mm	30 mm	24 mm	8 mm	2.5 mm	RW20	0190 040 30	500
4 mm	35 mm	29 mm	8 mm	2.5 mm	RW20	0190 040 35	500
4 mm	40 mm	34 mm	8 mm	2.5 mm	RW20	0190 040 40	500
4 mm	45 mm	39 mm	8 mm	2.5 mm	RW20	0190 040 45	500
4 mm	50 mm	44 mm	8 mm	2.5 mm	RW20	0190 040 50	500
4 mm	55 mm	49 mm	8 mm	2.5 mm	RW20	0190 040 55	250
4.5 mm	15 mm	11 mm	8.9 mm	2.8 mm	RW20	0190 045 15	500
4.5 mm	17 mm	13 mm	8.9 mm	2.8 mm	RW20	0190 045 17	500
4.5 mm	20 mm	16 mm	8.9 mm	2.8 mm	RW20	0190 045 20	500
4.5 mm	25 mm	21 mm	8.9 mm	2.8 mm	RW20	0190 045 25	500
4.5 mm	30 mm	26 mm	8.9 mm	2.8 mm	RW20	0190 045 30	500
4.5 mm	35 mm	28 mm	8.9 mm	2.8 mm	RW20	0190 045 35	500
4.5 mm	40 mm	33 mm	8.9 mm	2.8 mm	RW20	0190 045 40	500
4.5 mm	45 mm	38 mm	8.9 mm	2.8 mm	RW20	0190 045 45	500
4.5 mm	50 mm	43 mm	8.9 mm	2.8 mm	RW20	0190 045 50	250
4.5 mm	55 mm	48 mm	8.9 mm	2.8 mm	RW20	0190 045 55	250
4.5 mm	60 mm	50 mm	8.9 mm	2.8 mm	RW20	0190 045 60	250
5 mm	16 mm	11 mm	9.6 mm	3.2 mm	RW20	0190 050 16	500

Nominal diameter (d)	Length (l)	Thread length (lg)	Head diameter (d _h)	Head height (k)	Internal drive	Art. no.	P. Qty.
5 mm	20 mm	15 mm	9.6 mm	3.2 mm	RW20	0190 050 20	500
6 mm	30 mm	24 mm	12 mm	4.4 mm	RW30	0190 060 31	250
6 mm	40 mm	32 mm	12 mm	4.4 mm	RW30	0190 060 41	250
6 mm	45 mm	37 mm	12 mm	4.4 mm	RW30	0190 060 46	250
6 mm	50 mm	42 mm	12 mm	4.4 mm	RW30	0190 060 51	250
6 mm	55 mm	45 mm	12 mm	4.4 mm	RW30	0190 060 56	250
6 mm	60 mm	50 mm	12 mm	4.4 mm	RW30	0190 060 61	200
6 mm	70 mm	60 mm	12 mm	4.4 mm	RW30	0190 060 71	200
6 mm	80 mm	70 mm	12 mm	4.4 mm	RW30	0190 060 81	100

Can be stored neatly in ORSY racks or in ORSYmat vending machines



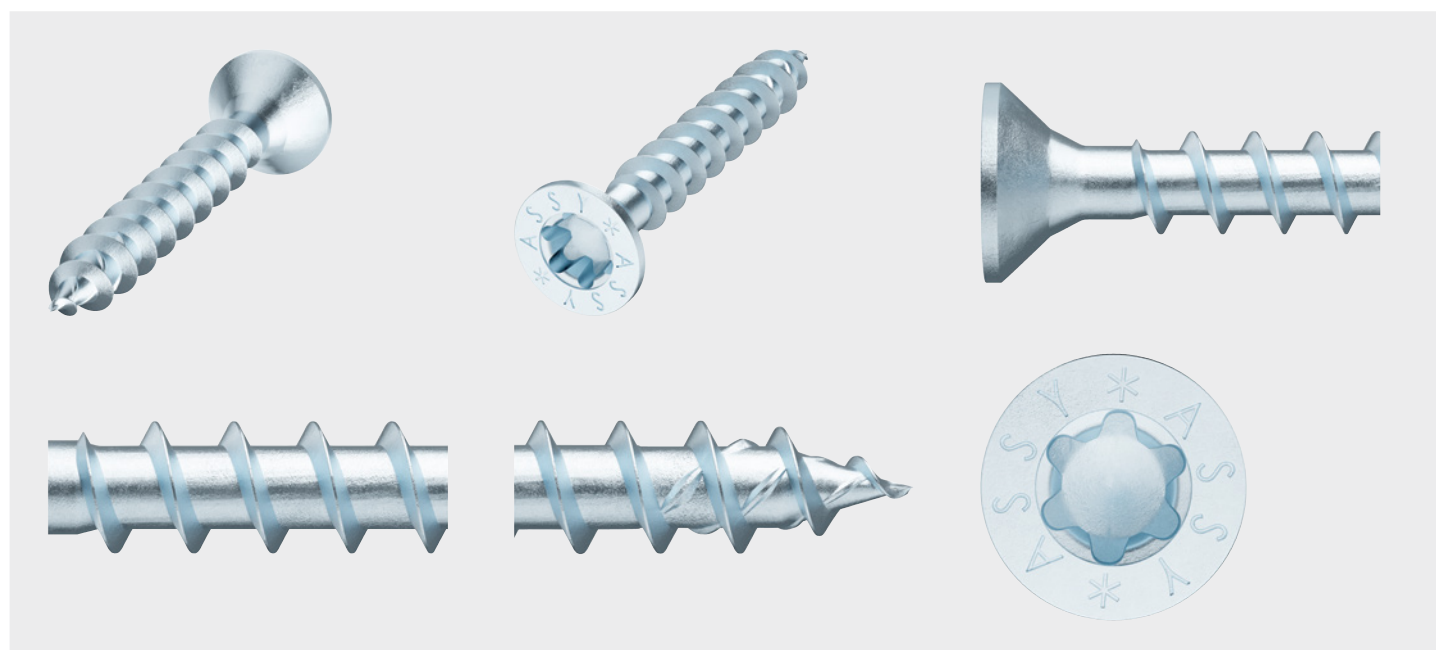
Details/Application

For steel-wood connections designed for tensile forces

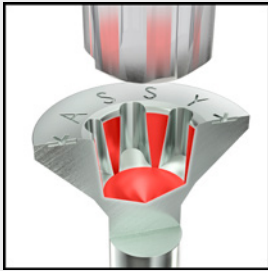
The full thread starting immediately below the head allows for e.g. fitting-wood or sheet material-wood connections designed for tensile forces with high load-bearing capacity. Greater screw pull-out force is achieved by the maximum thread length.

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

- High-quality surface protection, zinc, blue-passivated chromium(VI)-free 5 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



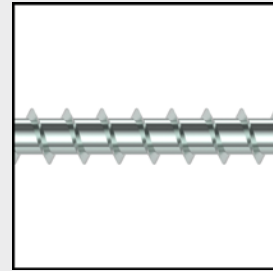
RW recess



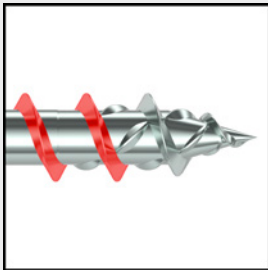
Countersunk head



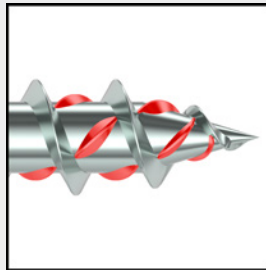
Full thread



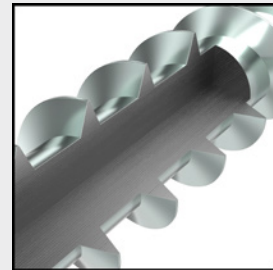
Asymmetrical high-performance thread (coarse)



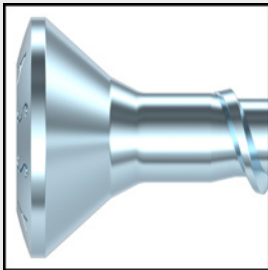
Tip with milling ribs



Hardened steel



Zinc-plated (A2K)



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

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 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

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