

ASSY® 4 A2 PH fittings screw A2 stainless steel plain full thread pan head

Full-thread screw made of high-quality austenitic A2 stainless steel with visually appealing pan head for fixing thin metal sheets or metal profiles in wood in outdoor areas exposed to the elements

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

Flat fastening metal sheets for secondary purposes

- Flat, cylindrical head rounded with a lens
- Large surface contact area

Higher breaking torque

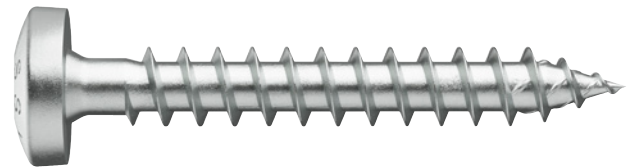
- Higher power transmission in hardwoods due to reinforced, asymmetrical thread flank geometry of the single thread
- Better anchoring thanks to higher thread flanks

Smooth thread start ensures optimised recessing and biting of the screw

- Reduced splitting effect due to displacement effect of the dome-shaped milling elements in the tip
- Friction-reduced thread rotation allows reduction of the screw-in force to be applied

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

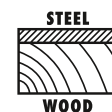
- Made of austenitic, non-magnetic and non-rusting A2 stainless steel
- Can be used in rural or urban environments or industrial atmospheres without significant exposure to chlorides or SO₂
- With friction-reducing slide coating for easy fastening



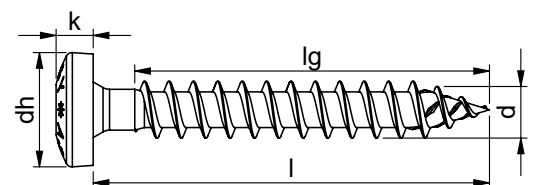
ASSY



EDELSTAHL®
Rostfrei
INOX
STAINLESS STEEL

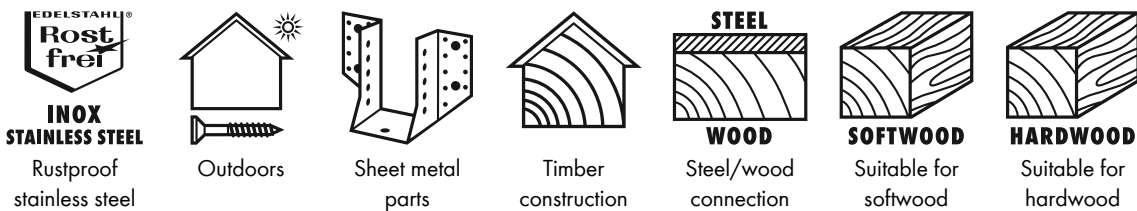


Material	Stainless steel A2
Surface	Plain
RoHS-compliant	Yes



Nominal diameter (d)	Length (l)	Thread length (lg)	Head diameter (d _h)	Head height (k)	Internal drive	Art. no.	P. Qty.
4 mm	20 mm	18 mm	7.9 mm	2.8 mm	RW20	0187 740 20	500
4 mm	25 mm	22 mm	7.9 mm	2.8 mm	RW20	0187 740 25	500
4 mm	30 mm	27 mm	7.9 mm	2.8 mm	RW20	0187 740 30	200
4 mm	35 mm	32 mm	7.9 mm	2.8 mm	RW20	0187 740 35	200
4 mm	40 mm	37 mm	7.9 mm	2.8 mm	RW20	0187 740 40	200
4 mm	50 mm	47 mm	7.9 mm	2.8 mm	RW20	0187 740 50	500
4.5 mm	30 mm	27 mm	9 mm	3 mm	RW20	0187 745 30	200
4.5 mm	35 mm	32 mm	9 mm	3 mm	RW20	0187 745 35	200
4.5 mm	40 mm	37 mm	9 mm	3 mm	RW20	0187 745 40	200
4.5 mm	45 mm	42 mm	9 mm	3 mm	RW20	0187 745 45	100
4.5 mm	50 mm	47 mm	9 mm	3 mm	RW20	0187 745 50	250
6 mm	40 mm	37 mm	12 mm	4 mm	RW30	0187 760 40	200
6 mm	60 mm	54 mm	12 mm	4 mm	RW30	0187 760 60	200
6 mm	80 mm	70 mm	12 mm	4 mm	RW30	0187 760 80	100
6 mm	100 mm	70 mm	12 mm	4 mm	RW30	0187 760 100	100

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



Details/Application

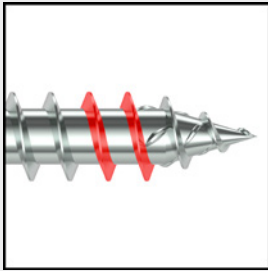
For steel-wood connections designed for tensile forces

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.

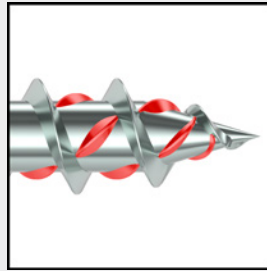
Can be used for outdoor applications and utilisation class 3



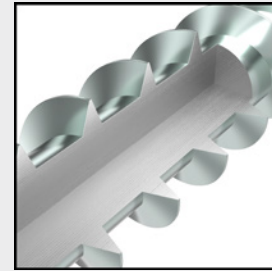
Asymmetrical high-performance thread (input)



Tip with milling ribs



A2 stainless steel



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
- For a load-bearing wood-metal connection, ASSY screws must be tightened to a specific torque value. Tightening torque = required prevailing torque x 1.2 < 90% of the breaking torque

Proof of performance

ETA-11/0190 approved



Notice

- Austenitic stainless steel is characterised by a high degree of corrosion resistance against aggressive industrial air, sea air, tap water, river water, mine water and salt water, as well as woods containing tannic acid. It is resistant to acid to a certain extent and not suitable for atmospheres containing chlorine gas
- 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