pias® wing-type drilling screw, flat countersunk milling head with AW drive

Steel, Ruspert®-coated (grey), AW drive. The self-drilling screw with up to 50% time saving when fastening wood to metal sub-structures

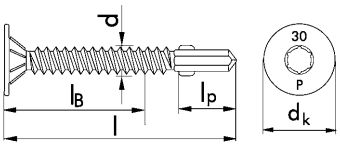
Corrosion protection

Approx. 500 hrs. no base metal corrosion in accordance with DIN EN ISO 9227 – NSS

AW drive system

- Enhanced torque transmission
- Longer life
- Optimum centring
- Better mounting output thanks to fatigue-free screwing in; the required contact pressure for transmission of the torques is considerably lower
- Largest possible contact surface of bit in screw drive
- Even force distribution prevents damage to the surface-protection coating and therefore ensures better resistance to corrosion

Nominal diameter (d)	6.3 mm
Head diameter (d_k)	20 mm
Drill tip length (l_p)	13 mm
Other standard	Company standard
Material	Steel
Surface	Flake zinc grey
Head type	Disc countersunk head with milling ribs
Internal drive	AW30
Thread type	Self-tapping screw thread
Min. recommended substructure thickness	2 mm
Max. material thickness to be drilled through (metal) (l_U)	6 mm
Min./max. recommended installation speed (idling)	800-1200 rpm
RoHS-compliant	Yes



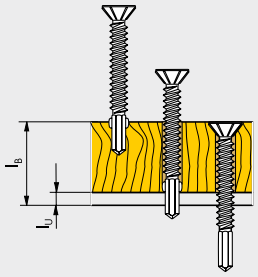
Length (l)	Max. attachment thickness (l_B)	Art. no.	P. Qty.
55 mm	33 mm	**0219 063 55**	500
65 mm	43 mm	**0219 063 65**	250
80 mm	58 mm	**0219 063 80**	250

Can be stored in ORSY® system

Details/Application

For use with hard and soft woods

CL01_3502021007, Rev. 0.293, State: 14. 08. 2023



Functionality:
1. Force feeding of the screw is prevented by the wings drilling out the wood
2. The core hole is drilled into the substructure. The wings break off upon contact with the metal
3. The first few turns of the screw cut the thread, the remainder of the screw then screws into the thread

Instructions

- Force feeding of the screw is prevented by the wings drilling out the wood
- The core hole is drilled into the substructure. The wings break off upon contact with the metal
- The first few turns of the screw cut the thread, the remainder of the screw then screws into the thread

Notice

- Wing-pias screws must be appropriately tested for usability for each application case. Only install using application tools with a depth stop and claw coupling.
- The maximum attachment length is calculated as follows: Wood thickness and surface thickness l_U = max. attachment thickness l_B
- Drilling screws must be processed with a suitable drill driver (e.g. cordless drill driver with depth stop)
- The use of impact screwdrivers is not permitted
- Drilling screws must be attached perpendicular to the surface of the component

Drilling screws may only be used where dampness is not to be expected.
For connection elements with a construction permit, the permit, and in particular Part 2 “Special regulations”, must always be observed.

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