

pias® drilling screw, round head with collar and AW drive

Galvanised steel, blue passivated (A3K), with AW drive

Drilling, threading, screwing-in - all in one work step

Therefore considerably reduced time and effort

Exact drilling diameter for each screw connection

- Resulting in minimisation of thread tolerance
- Always an optimum connection

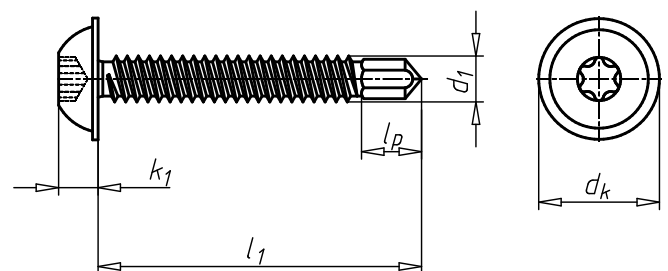
Prevents installation errors

AW drive system:

- Enhanced torque transmission
- Longer service 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



Material	Steel
Surface	Zinc plated
Other standard	Company standard
Head type	Pan head with collar
Thread type	Self-tapping screw thread
RoHS-compliant	Yes



Art. no.	0218 142 13	0218 142 16	0218 142 19	0218 142 25	0218 142 32	0218 148 13
P. Qty.	250/1000	250/1000	250/1000	250/500	250/500	250/1000
Nominal diameter (d _i)	4.2 mm	4.2 mm	4.2 mm	4.2 mm	4.2 mm	4.8 mm
Length (l _i)	13 mm	16 mm	19 mm	25 mm	32 mm	13 mm
Head diameter (d _k)	11 mm	11 mm	11 mm	11 mm	11 mm	12.75 mm
Head height (k _i)	2.9 mm	2.9 mm	2.9 mm	2.9 mm	2.9 mm	3.6 mm
Drill tip length (l _p)	3.7 mm	3.7 mm	3.7 mm	3.7 mm	3.7 mm	4.5 mm
Internal drive	AW20	AW20	AW20	AW20	AW20	AW25
Min. recommended substructure thickness	1.5 mm	1.5 mm	1.5 mm	1.5 mm	1.5 mm	1.7 mm
Max. material thickness to be drilled through (metal)	3.5 mm	3.5 mm	3.5 mm	3.5 mm	3.5 mm	4 mm
Max. attachment thickness (l _g)	6 mm	9 mm	12 mm	18 mm	25 mm	4 mm
Min./max. recommended installation speed (idling)	1700-2500 rpm	1700-2500 rpm	1700-2500 rpm	1700-2500 rpm	1700-2500 rpm	1200-1800 rpm

Art. no.	0218 148 16	0218 148 19	0218 148 22	0218 148 35	0218 148 40	0218 148 45
P. Qty.	250/1000	250/1000	250/1000	500	500	250
Nominal diameter (d _i)	4.8 mm	4.8 mm	4.8 mm	4.8 mm	4.8 mm	4.8 mm
Length (l _i)	16 mm	19 mm	22 mm	35 mm	40 mm	45 mm
Head diameter (d _k)	12.75 mm	12.75 mm	12.75 mm	12.75 mm	12.75 mm	12.75 mm
Head height (k _i)	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm
Drill tip length (l _p)	4.5 mm	4.5 mm	4.5 mm	4.5 mm	4.5 mm	4.5 mm
Internal drive	AW25	AW25	AW25	AW25	AW25	AW25
Min. recommended substructure thickness	1.7 mm	1.7 mm	1.7 mm	1.7 mm	1.7 mm	1.7 mm
Max. material thickness to be drilled through (metal)	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm
Max. attachment thickness (l _g)	7 mm	10 mm	13 mm	26 mm	31 mm	36 mm
Min./max. recommended installation speed (idling)	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm

Art. no.	0218 148 50	0218 148 60	0218 148 70	0218 148 80	0218 155 19	0218 155 25
P. Qty.	250	250	250	250	250	250
Nominal diameter (d _i)	4.8 mm	4.8 mm	4.8 mm	4.8 mm	5.5 mm	5.5 mm
Length (l _i)	50 mm	60 mm	70 mm	80 mm	19 mm	25 mm
Head diameter (d _k)	12.75 mm	12.75 mm	12.75 mm	12.75 mm	14 mm	14 mm
Head height (k _i)	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.9 mm	3.9 mm
Drill tip length (l _p)	4.5 mm	4.5 mm	4.5 mm	4.5 mm	5.7 mm	5.7 mm
Internal drive	AW25	AW25	AW25	AW25	AW25	AW25
Min. recommended substructure thickness	1.7 mm	1.7 mm	1.7 mm	1.7 mm	2 mm	2 mm
Max. material thickness to be drilled through (metal)	4 mm	4 mm	4 mm	4 mm	5.3 mm	5.3 mm
Max. attachment thickness (l _g)	41 mm	51 mm	61 mm	71 mm	8 mm	14 mm
Min./max. recommended installation speed (idling)	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm

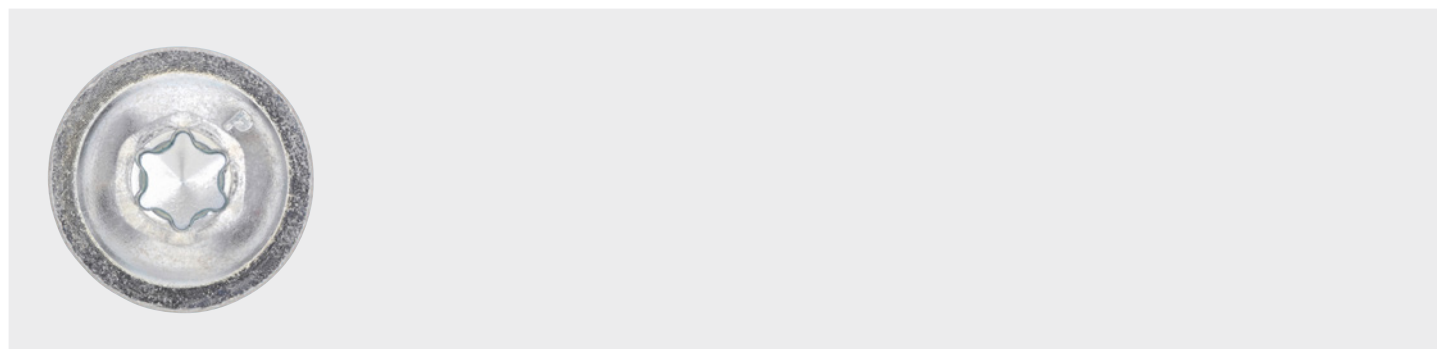
Art. no.	0218 155 38	0218 155 50	0218 155 60	0218 155 70	0218 155 80	0218 155 85
P. Qty.	250	100	100	50	50	50
Nominal diameter (d _i)	5.5 mm	5.5 mm	5.5 mm	5.5 mm	5.5 mm	5.5 mm
Length (l _i)	38 mm	50 mm	60 mm	70 mm	80 mm	85 mm
Head diameter (d _k)	14 mm	14 mm	14 mm	14 mm	14 mm	14 mm
Head height (k _i)	3.9 mm	3.9 mm	3.9 mm	3.9 mm	3.9 mm	3.9 mm
Drill tip length (l _p)	5.7 mm	5.7 mm	5.7 mm	5.7 mm	5.7 mm	5.7 mm
Internal drive	AW25	AW25	AW25	AW25	AW25	AW25
Min. recommended substructure thickness	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm
Max. material thickness to be drilled through (metal)	5.3 mm	5.3 mm	5.3 mm	5.3 mm	5.3 mm	5.3 mm
Max. attachment thickness (l _g)	27 mm	39 mm	49 mm	59 mm	69 mm	74 mm
Min./max. recommended installation speed (idling)	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm

Art. no.	0218 155 100	0218 155 110	0218 155 120	0218 155 130	0218 155 140	0218 155 150
P. Qty.	50	50	50	50	50	50
Nominal diameter (d ₁)	5.5 mm	5.5 mm	5.5 mm	5.5 mm	5.5 mm	5.5 mm
Length (l ₁)	100 mm	110 mm	120 mm	130 mm	140 mm	150 mm
Head diameter (d _k)	14 mm	14 mm	14 mm	14 mm	14 mm	14 mm
Head height (k ₁)	3.9 mm	3.9 mm	3.9 mm	3.9 mm	3.9 mm	3.9 mm
Drill tip length (l _p)	5.7 mm	5.7 mm	5.7 mm	5.7 mm	5.7 mm	5.7 mm
Internal drive	AW25	AW25	AW25	AW25	AW25	AW25
Min. recommended substructure thickness	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm
Max. material thickness to be drilled through (metal)	5.3 mm	5.3 mm	5.3 mm	5.3 mm	5.3 mm	5.3 mm
Max. attachment thickness (l _g)	89 mm	99 mm	109 mm	119 mm	129 mm	139 mm
Min./max. recommended installation speed (idling)	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm	1200-1800 rpm

Can be stored in ORSY® system

Details/Application

The self-drilling screw for fastening plastic and thin sheet metal to metal sub-structures.



Notice

- The pressed-on flange generates a lower surface pressure, which helps to prevent stress cracks
- Contact pressure during use approx. 100 N/screw in with depth stop if necessary
- 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

Galvanized drilling screws may only be used where dampness is not to be expected.
For fasteners with a construction approval, the approval, and in particular Part 2 "Special regulations", must always be observed.