

Asphalt Screw AS

Steel, zinc flake coated



NEW

Asphalt Screw AS



NEW

Metric thread reducer AS 22



NEW

Screw-in tool AS



Cartridge VME plus
Side-by-side Cartridge

Range of loading: 40 kN–80 kN Schocklast
Base material: Asphalt

Description

In combination with the VME plus injection system, the Asphalt Screw AS is excellently suited for the repeated transfer of high shock loads in all common types of asphalt.

When screwed into the asphalt, the Asphalt Screw AS creates a positive undercut and the VME plus injection mortar previously placed in the borehole is pressed into the air pores of the asphalt. This consolidates the subgrade in the vicinity of the asphalt screw for a large force transmission area. The diameter of the large countersunk head is larger than the diameter of clearance hole in the fixture and thus prevents the Asphalt Screw AS from being pulled out when the fastening screw is tightened. The optional Metric thread reducer for the Asphalt Screw AS 22 x 100 zl and Asphalt Screw AS 22 x 155 zl allow reduction to M12 or M10.

Asphalt Screw AS



- Countersunk head with internally thread
- Steel, zinc flake coated
- Internal drive SW12



Mechanical Heavy Duty Anchors

Advantages

- Fastening directly into the asphalt even without a concrete foundation
- Installation flush with the surface
- Suitable for temporary mounting
- Mounting of the attachment can be done immediately – no curing time of the VME plus must be observed
- Frost-proof: Sealing the borehole prevents water ingress and frost damage during winter days
- High force transmission under repeated shock loads

Note

Only suitable for constant compressive loads. Not suitable for constant tensile loads. Only apply tensile or shear loads of short duration. Observe the instructions of the VME plus.

Applications for fasteners in asphalt

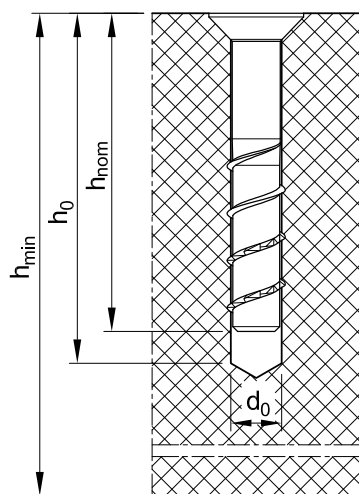
Anti-impact and passive restraint systems, traffic signs, guards, speed bumps, bicycle racks, parking benches, shopping cart canopies, fences.

Description	Ref. No.	Drill hole Ø x depth mm	Setting depth mm	Length mm	Internal thread mm	Screw drive	Drive	Package content pcs.	Weight per package kg
AS 16x100 zl	52671901	16 x 110	100	100	M10 x 20	SW 12	-	25	3,62
AS 22x100 zl	52872901	22 x 110	100	100	M16 x 30	SW 12	-	25	5,18
AS 22x155 zl	52881901	22 x 165	155	155	M16 x 30	SW 12	-	25	8,89
Metric thread reducer AS 22 M16 – M10	52999970	-	-	-	M10 x 25	Slotdrive	-	25	0,49
Metric thread reducer AS 22 M16 – M12	52999971	-	-	-	M12 x 25	Slotdrive	-	25	0,35
Screw-in tool for AS	52999981	-	-	140	-	SW 12	1/2"	1	0,19
Cartridge VME plus 440	28258001	-	-	-	-	-	-	1	0,78
Cartridge VME plus 585	28258243	-	-	-	-	-	-	1	1,02
Static mixer VM-XHP	28305301	-	-	270	-	-	-	12	0,18

One static mixer VM-XHP comes with each cartridge

Recommended loads for Asphalt Screw AS

Loads and performance data			AS 16 x 100 zl	AS 22 x 100 zl	AS 22 x 155 zl
Maximum shock loads	F	[kN]	40	50	80
Installation parameters					
Minimum thickness of asphalt	h_{min}	[mm]	150	150	200
Drill hole diameter	d_0	[mm]	16	22	22
Depth of drill hole	h_0	[mm]	110	110	165
Setting depth	h_{nom}	[mm]	100	100	155
Installation torque	$T_{inst} \leq$	[Nm]	20	80	80
Internal hexagon size	SW	[mm]	12	12	12
Diameter of countersunk head		[mm]	30	30	30
Diameter of clearance hole	$d_F \leq$	[mm]	12	18	18
Required screw length		[mm]	$15 + t_{fix}$	$25 + t_{fix}$	$25 + t_{fix}$
Injection system VME plus					
Amount of adhesive per drill hole		[ml]	17	18	26



Installation

