

Resin Anchor Rod VMZ-A A4

Group: 1738

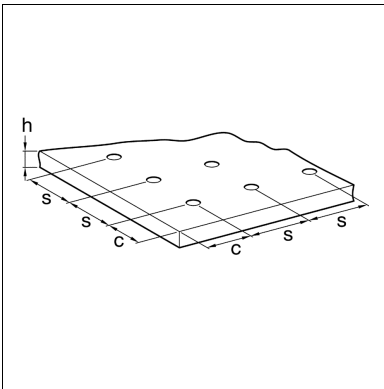
Application

Anchor Rod for push-through and put-before mounting in concrete tensile zones in M&E services and plant construction (for anchoring heavy loads). Suitable for attaching brackets, pipelines and channels.

- ◆ No special drill required
- ◆ Heavy loads
- ◆ Small edge and centre distance
- ◆ Approved for use under seismic action according to the performance category C1 and C2 (M10 - M16)

Scope of delivery

Pre-assembled with washer and hexagon nut.

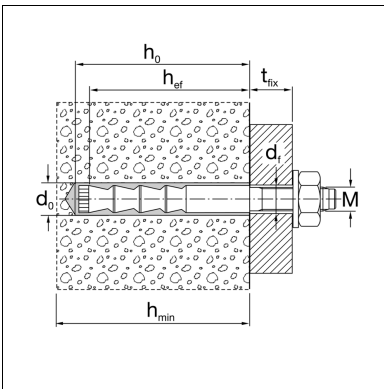


Installation

1. Drill hole according to min. setting depth vertically to the surface.
2. Careful cleaning of drill hole with Steel brush and Blow-Out Pump.
3. Screw Mixing Nozzle onto the cartridge; foreshots to be removed and fill 2/3 of drill hole with resin starting from bottom of the hole.
4. Drive the anchor manually into plastered borehole up to its embedment mark.
5. When reaching the embedment mark, plaster must be apparent.
6. Respect hardening time, when tighten the anchor with instructed torque.

Detailed assembly instruction is attached to the product.

Technical Data



	Type	M12
Perm. load ¹⁾ tension C20/25 ²⁾ [kN]		11.7
Perm. load ¹⁾ tension C25/30 ²⁾ [kN]		13.1
	C30/37 ²⁾ [kN]	14.3
	C40/50 ²⁾ [kN]	16.6
	C50/60 ²⁾ [kN]	18.5
Perm. load oplique V C20/25 ²⁾ [kN]		19.4
	≥ C30/37 ²⁾ [kN]	19.4
Perm. bending moments zul. M [Nm]		60
Min. thickness of component h _{min} ≥ [mm]		110
Charact. centre distance S _{cr,N} [mm]		240
Charact. edge distance C _{cr,N} [mm]		120
Min. centre distance s at/edge distance s _{min} [mm]		40
Min. edge distance c at/centre distance c _{min} [mm]		50
Effective anchoring depth h _{ef} [mm]		80
Nominal diameter of drill d ₀ [mm]		14
Depth of bore hole h ₀ [mm]		85
Anchoring torque T _{inst} [Nm]		25
Loads under fire exposure		
Perm. load R 30 perm. F [kN]		9.86
Perm. load R 60 perm. F [kN]		4.59
Perm. load R 90 perm. F [kN]		1.86
Perm. load R 120 perm. F [kN]		0.56

¹⁾ Loads for single anchors without influence of edge and centre distances, if constant temperature of 50°C and und currently 80°C is not exceeded.

²⁾ Cracking concrete 50°C/80°C

Permissible loads according to EN 1992-4 without influence of centre and edge distances. Overall safety factor is taken into account (Y_M und Y_F). Values of the mentioned approval are valid and could be seen in the latest issue under

www.sikla.com/service/downloads.

Material: Stainless steel A4

Approvals / Conformity

Sikla Approval ETA-10/0260



Type	Thread connection	t _{fix} = Max. usable length [mm]	Total length [mm]	W [kg]	Quantity [pack]	Part number
VMZ-A 80 M12-25/125	M12	25	125	0.13	10	112647