RESIN ANCHOR ROD VMZ-A



APPLICATION

Anchor Rod for push-through and put-before mounting (for anchoring heavy loads).
Suitable for attaching pipelines, channels, brackets, etc. in closed rooms - except for damp locations.
(Stainless steel version available on request).

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 botton 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

PROSYSTEM ITALIA SRL
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P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
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Type	M12	M16
Perm. load 1) tension C20/25 2) [kN]	12.3	24.0
Perm. load 1) tension C25/30 2) [kN]	13.5	26.4
C30/37 2) [kN]	15.0	29.2
C40/50 2) [kN]	17.3	33.8
C50/60 2) [kN]	19.0	37.1
Perm. load 1) oblique V C20/25 2) [kN]	19.4	36.0
≥ C30/37 2) [kN]	19.4	36.0
Perm. bending moments M [Nm]	60	152
Min. thickness of component hmin ≥ [mm]	110	170
Charact. centre distance Scr,N [mm]	240	375
Charact. edge distance Ccr,N [mm]	120	187,5
Min. centre distance s at/edge distance c ≥ [mm]	55/80	70/90
Min. egde distance c at/centre distance s ≥ [mm]	55/80	70/110
Effective anchoring depth hef [mm]	80	125
Nominal diameter of drill do [mm]	14	18
Depth of bore hole h0 [mm]	85	133
Anchoring torque Tinst [Nm]	40	60
Loads under fire exposure		
Perm. load R 30 perm. F [kN]	5,8	7,67
Perm. load R 60 perm. F [kN]	3,8	5,81
Perm. load R 90 perm. F [kN]	1,81	4,01
Perm. load R 120 perm. F [kN]	0,81	3,11

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
The safety factor according to ETAG is included.
For the dimensioning, respect the data of the approval notification.

Material:
Steel, galvanised

APPROVALS / COMPLIANCE

Sikla Approval ETA 10/0260

Type	Thread connection	tfix = Max. usable length [mm]	Total length [mm]
VMZ-A M12-25/125	M12	25	125
VMZ-A M16-30/180	M16	30	180

Codice	Nome	Peso	Numero di pezzi
190739	M12-25/125	0.06	10
190775		0.13	10
190793		0.28	10

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