

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 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	M16
------	-----	-----

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

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

info@prosystemitalia.com
prosystemitalia.com

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 $h_{min} \geq$ [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 $c \geq$ [mm]	55/80	70/90
Min. edge distance $c_{at}/$ centre distance $s \geq$ [mm]	55/80	70/110
Effective anchoring depth h_{ef} [mm]	80	125
Nominal diameter of drill d_o [mm]	14	18
Depth of bore hole h_0 [mm]	85	133
Anchoring torque T_{inst} [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

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

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

info@prosystemitalia.com
prosystemitalia.com

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

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

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

info@prosystemitalia.com
prosystemitalia.com