

SPIKE® MUSHROOM HEAD AND TIE WIRE SPIKES - ZINC PLATED

PRODUCT DESCRIPTION

- Patented, one-piece, tamper-proof vibration resistant anchor in with mushroom or a tie wire head.
- Pre-expanded anchor design allows for easy installation.
- Roofing installations, lattice work, ceiling hanger, perimeter fixings.

GENERAL APPLICATIONS AND USES

- Railings
- Lattice work
- Street furniture
- Metal track attachments
- Cable trays and struts



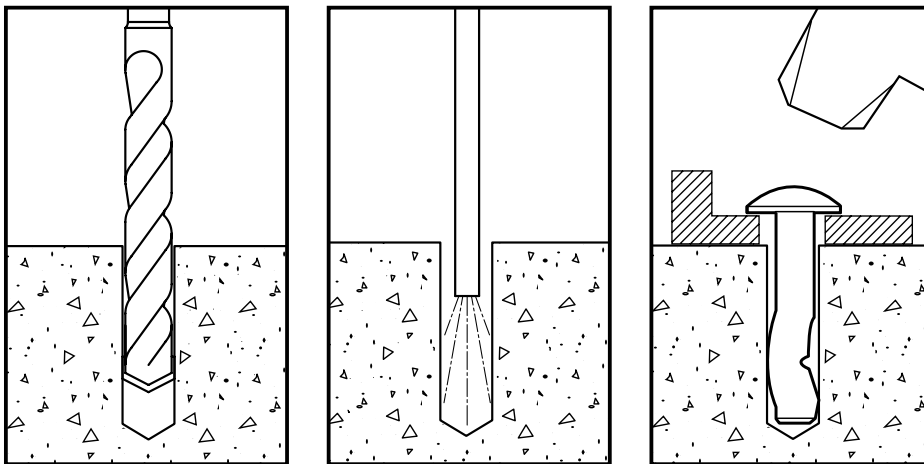
BASE MATERIAL: IDEAL FOR MASONRY



* Also suitable for

Cat No.	Description	Drill Dia. [mm]	Length [mm]	Max t_{fix} [mm]	Box Quantity	Carton Quantity
DFM3110240	Spike - Mushroom Head 5mm x 32mm - Zinc Plated	5	32	10	1x100	16x100
DFM3110280	Spike - Mushroom Head 5mm x 38mm - Zinc Plated	5	38	16	1x100	16x100
DFM3110320	Spike - Mushroom Head 5mm x 50mm - Zinc Plated	5	50	28	1x100	16x100
DFM3110440	Spike - Mushroom Head 6.5mm x 50mm - Zinc Plated	6.5	50	28	1x100	8x100
DFM3110480	Spike - Mushroom Head 6.5mm x 63mm - Zinc Plated	6.5	63	41	1x100	8x100
DFM3110000	TIE WIRE Spike - Eye Head 5mm x 30mm - Zinc Plated	5	30	-	1x100	16x100

INSTALLATION INSTRUCTIONS



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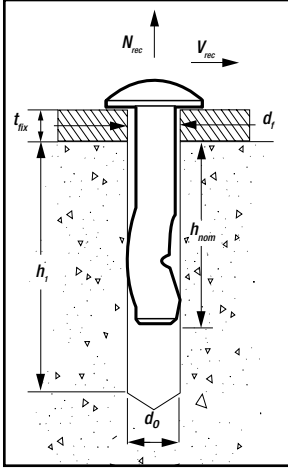
RECOMMENDED LOAD

UNCRACKED C20/25 CONCRETE

Description	h_{nom} [mm]	h_1 [mm]	d_f [mm]	N_{rec} [kN]	V_{rec} [kN]*
SPIKE 5mm	22	32	6	0.5	0.5
SPIKE 6.5mm	22	32	7	0.5	0.5



*Shear loads are only valid for Mushroom Head and not the Tie-Wire.



$$\frac{N_{Rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

$$\gamma_M = 2.1 \quad \gamma_F = 1.4$$

Recommended loads are based on the simplified design method according to ETAG 001, Annex C and are valid for one anchor without spacing and edge influence. For Design loads multiply by the factor γ_F .

MATERIAL SPECIFICATION

Anchor Component	Component Material
Anchor Body	AISI 1038 Carbon Steel
Zinc Plating	ASTM B633, SC1, Type III (FeZn5)