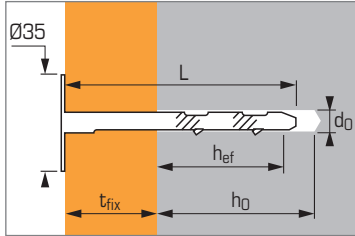


Fire resistant insulation anchor



N° PT 3043



Technical data

Anchor size	Anchor depth (mm) h_{ef}	Insulation thickness (mm) t_{fix}	Drilling depth (mm) h₀	Drilling diameter (mm) d₀	Total anchor length (mm) L	Code
8X80/30	50	30	60	8	80	059730
8X110/60		60			110	059740
8X120/70		70			120	059880
8X140/90		90			140	059750
8X170/120		120			170	059760
8X200/150		150			200	059770
8X250/200		200			250	055291
8X300/250		250			300	055643

APPLICATION

- Fixing all types of insulation where a fire resistant anchor is required

MATERIAL

- Body:** Galvanised steel Z275, NF EN 10142

Ultimate loads (N_{Ru,m}) in kN

TENSILE

Base material	Anchor size	ISOMET
Concrete (C20/25)		--
N _{Ru,m}		0,75
Clay bricks (f_c = 55 N/mm²)		
N _{Ru,m}		0,5
Solid concrete blocks B120 (f_c = 13,5 N/mm²)		
N _{Ru,m}		0,5

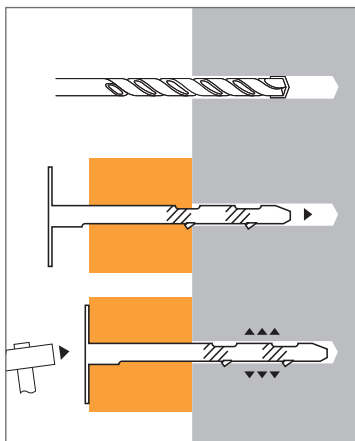
Design loads (N_{Rd}) and recommended loads (N_{rec}) for one anchor without edge or spacing influence in kN

$$N_{Rd} = \frac{N_{Ru,m}^{(1)}}{4}$$

(1) Derived from test results

$$N_{rec} = \frac{N_{Ru,m}^{(1)}}{5}$$

INSTALLATION



TENSILE

Base material	Anchor size	ISOMET
Concrete (C20/25)		--
N _{Rd}		0,21
N _{rec}		0,15
Clay bricks (f_c = 55 N/mm²)		
N _{Rd}		0,14
N _{rec}		0,10
Solid concrete blocks B120 (f_c = 13,5 N/mm²)		
N _{Rd}		0,14
N _{rec}		0,10

Fire behaviour for insulation fixed to soffits

Maximum tensile service loads recommended on concrete for stability (kN).

Exposure time	30 min.	1 h	1 h 30 min.	2 h	3 h
ISOMET --	0,063	0,052	0,041	0,036	0,030

The tests performed by MFPA (n°GS 3.2/17-091-2 & n°PB 3.2/17-091-1) are available on request.