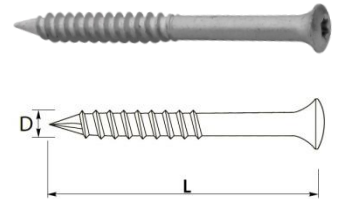


GTHD

INSULATION SCREWS FOR CONCRETE CONSTRUCTION

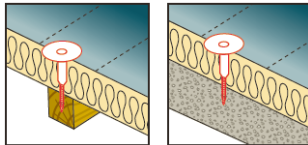


PRODUCT DESCRIPTION

Screws made of surface-hardened carbon steel, with a Ricoh drilling point, loose thread, and bugle head with TORX 25 slot. Covered with an additional gRey.coat corrosion protection coat.

APPLICATION

Designed for fastening insulation materials on flat roof applications, in combination with a plastic tube for concrete and wooden structure. Designed for use in environments with corrosivity class C1, C2, C3, C4 according to PN-EN ISO 12944-2: 2001 standards.



LENGTH OF SCREWS

Fastener type	Dimensions of fasteners D x L [mm]
GTHD	6,3 x 60
GTHD	6,3 x 70
GTHD	6,3 x 80
GTHD	6,3 x 90
GTHD	6,3 x 100
GTHD	6,3 x 130
GTHD	6,3 x 160
GTHD	6,3 x 180
GTHD	6,3 x 200
GTHD	6,3 x 220
GTHD	6,3 x 250
GTHD	6,3 x 280
GTHD	6,3 x 300

NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2018/0706

CHARACTERISTIC AND COMPUTATIONAL LOAD CAPACITY ON AXIAL PULLING FROM SUBSTRATE [KN]
BY. AT-15-9718 / 2016:

Fastener type	Sleeve or washer	Substrate	Anchorage depth [mm]	Hole diameter [mm]	Characteristic bearing capacity [kN]	Design load capacity [kN]
GTHD	G	Concrete class min. C12/15	30,0	5,00	1,58	0,79
	DVP					
	G	Wood class min. C24	30,0	-	1,58	0,79
	DVP					
	G	OSB th. 18 mm $\rho > 625 \text{ kg/m}^3$	18,0 [mm] (Through assembly)	-	1,58	0,79
	DVP					
	G	Fibrous-cement board (gr. 5,0 [mm])	5,0 [mm] (Through assembly)	5,00	1,58	1,19
	DVP					

Concrete according to the norm PN-EN 206:2014

Wood according to the norm PN-EN 14081-1+A1:2011

OSB according to the norm PN-EN 300:2007

Fibrous-cement board according to the norm PN-EN 494+A3:2009

EUROPEAN TECHNICAL APPROVAL ETA-12/0149

THE CHARACTERISTIC LOAD CAPACITY OF THE PULL-OUT RESISTANCE

Characteristic values of axial load resistance [kN]					
Fastener	Washer	Substrate			
		Concrete acc. To EN 206-1		Embedment depth [mm]	Drill hole diameter [mm]
		C12/15	C20/25		
GTHD 6,3xL	G1, G2	1,58	1,58	30,0	5,0
	DVP	1,58	1,58		

To define a design load should divide the value of the characteristic load by a safety factor $\gamma_m = 1,33$.

Characteristic values of axial load resistance [kN]				
Fastener	Washer	Substrate		
		Fibre-cement profiled sheets acc. to EN 494	Embedment depth (thickness of fibre-cement profiled sheets) [mm]	Drill hole diameter [mm]
GTHD 6,3xL	G1, G2	1,58	5,00	5,0
	DVP	1,58		

To define a design load should divide the value of the characteristic load by a safety factor $\gamma_m = 1,33$.

Characteristic values of axial load resistance [kN]				
Fastener	Washer	Substrate		
		Wood acc. to EN 14081-1	Embedment depth [mm]	
GTHD 6,3xL	G1, G2	1,58	30,00	
	DVP	1,58		

To define a design load should divide the value of the characteristic load by a safety factor $\gamma_m = 1,33$.

Characteristic values of axial load resistance [kN]				
Fastener	Washer	Substrate		
		OSB acc. to EN 300	Embedment depth (thickness of OSB) [mm]	
GTHD 6,3xL	G1, G2	1,58	18,00	
	DVP	1,58		

To define a design load should divide the value of the characteristic load by a safety factor $\gamma_m = 1,33$.

OTHER FEATURES

BASE MATERIAL:	CONCRETE, WOOD, WOODEN MATERIALS, FIBROUS- CEMENT BOARD
TYPE OF CUT:	TX25
ADDITIONAL CORROSION PROTECTION:	gRey.coat
CORROSIVITY CATEGORY:	C4
TECHNICAL OPINION ON CORROSION PROTECTION:	02248/16/Z00NZM
POSSIBILITY OF COMPLETE WITH:	PLASTIC SLEEVE G1, G2, DVP WASHER



ETA



DWU/DoP



KDWU



ZKP