

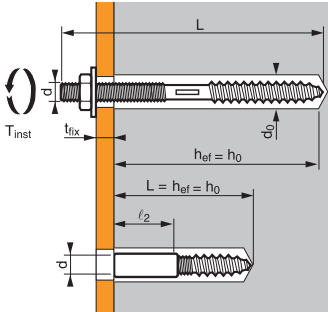


Epomax With Plastic Mesh Sleeve In Masonry & Hollow Material

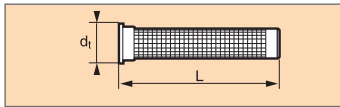


SOCOTEC

N° QX 0070



Stud & Socket



Perforated sleeve

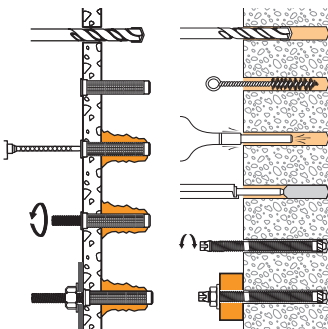
Applications

- Signs
- Scaffolding
- Electrical switchboards
- Radiators
- Frames
- Air conditioning ducts
- Rail guard returns
- Blinds
- Climbing walls
- Metal scales
- Hand rails
- Poles and ducts
- Demountable partitions
- Kitchen furniture
- Decoration

Material

- Studs and sockets, class 5,8

Installation



Hollow material

Solid material

Vinylester resin

Technical data

EPOMAX		Anchor depth (mm) h_a	Max thick of part to be fixed (mm) t_{fix}	Ø thread (mm) d	Thread length (mm) l_2	Drill bit		Drilling depth		Ø sleeve (mm) d_s	Total anchor length (mm) L	Max tightening torque (Nm) T_{inst}	Eurocode
						hollow	solid	hollow	solid				
						(mm) d_o		(mm) h_o					
Stud	M8	75	12	8	-	16	10	80	-	-	100	5	061650
	M10	75	20	10	-	16	12	80	-	-	100	8	061660
	M12	75	20	12	-	20	14	80	-	-	100	8	061670
Socket	M8	58	-	8	20	20	14	80	-	-	58	8	062350
	M10	58	-	10	23	20	14	80	-	-	58	8	062360
	M12	75	-	12	30	20	20	100	-	-	75	8	061760
Plast. sleeve	Ø16x80	-	-	-	-	16	-	85	-	16	80	-	061600
	Ø20x85	-	-	-	-	20	-	90	-	20	85	-	061490
EPOMAX resin		- vol. 150 ml										050883	
		- vol. 345 ml										050884	
		- vol. 380 ml										050885	

NOTE : • Sleeve Ø 16 x 80 for studs M8 and M10 in hollow material

• Sleeve Ø 20 x 80 and Ø 20 x 85 for studs M12 and sockets M8, M10 and M12 in hollow material

Design loads (N_{Rd} , V_{Rd}) and Recommended loads (N_{Rec} , V_{Rec}) for one anchor without edge or spacing influence

$$N_{Rd} = \frac{N_{Ru,m}^*}{3} ; N_{Rec} = \frac{N_{Ru,m}^*}{4}$$

$$V_{Rd} = \frac{V_{Ru,m}^*}{3} ; V_{Rec} = \frac{V_{Ru,m}^*}{4}$$

*Derived from test results

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In masonry

TENSILE IN kN

SHEAR IN kN

Base material	Anchor size	Stud M8-M10-M12 Socket M8-M10-M12	Stud			Socket		
			M8	M10	M12	M8	M10	M12
Hollow concrete blocks type B40 not rendered ($f_c = 6,5 \text{ N/mm}^2$)								
	N_{Rd}	1,2	V_{Rd}	2,4	2,4	2,4	2,4	2,4
	N_{Rec}	0,9	V_{Rec}	1,8	1,8	1,8	1,8	1,8
Hollow concrete blocks type B40 rendered ($f_c = 6,5 \text{ N/mm}^2$)								
	N_{Rd}	2,1	V_{Rd}	2,65	2,65	2,65	2,65	2,65
	N_{Rec}	1,6	V_{Rec}	2,0	2,0	2,0	2,0	2,0
Hollow clay bricks type Eco-30 not rendered ($f_c = 4,5 \text{ N/mm}^2$)								
	N_{Rd}	0,8	V_{Rd}	1,7	1,7	1,7	1,7	1,7
	N_{Rec}	0,6	V_{Rec}	1,3	1,3	1,3	1,3	1,3
Hollow clay bricks type Eco-30 rendered ($f_c = 4,5 \text{ N/mm}^2$)								
	N_{Rd}	1,3	V_{Rd}	2,65	2,65	2,65	2,65	2,65
	N_{Rec}	1,0	V_{Rec}	2,0	2,0	2,0	2,0	2,0
Clay bricks								
	N_{Rd}	1,7	V_{Rd}	2,4	3,3	5,3	2,65	3,3
	N_{Rec}	1,3	V_{Rec}	1,8	2,5	4,0	2,0	2,5
Solid concrete blocks								
	N_{Rd}	6,6	V_{Rd}	2,3	2,9	4,2	2,3	2,9
	N_{Rec}	5,0	V_{Rec}	1,75	2,2	3,15	1,75	2,2