

Toggle anchor UK/UKH

Load table

Highest recommended loads¹⁾²⁾ of a single plug.

Type	Thread size	Recommended loads in the respective base material ²⁾	Gypsum plasterboard ³⁾	OSB board ³⁾	Mean ultimate loads
			12,5 mm	≥ 15 mm	
		$F_{rec}^{1)}$	$F_{rec}^{1)}$	$F_{rec}^{1)}$	$F_u^{4)5)6)}$
	[M]	[kN]	[kN]	[kN]	[kN]
UK 3	M4	0.45	0.15	0.34	-
UK 4	M4	0.9	0.15	0.6	-
UK 5	M5	2.2	0.15	0.85	-
UK 6	M6	2.8	0.15	0.85	-
UK 8	M8	4.3	0.18	0.89	-
UK 10	M10	-	-	-	13
UKH 3	M3	0.1	0.1	0.1	-
UKH 4	M4	0.13	0.13	0.13	-
UKH 5	M5	0.3	0.15	0.3	-

¹⁾ Valid for axial tensile load.

²⁾ Required safety factors are considered.

³⁾ Bending of the hook is decisive. Only for tension load.

⁴⁾ Upon these failure loads an appropriate safety factor has to be considered.

⁵⁾ Valid for tensile load, shear load and oblique load under any angle.

⁶⁾ If the failure of the base material is not possible.