





Shear Load		Griplt®	Size	Substrate thickness	Min edge distance	Safe Load*			Max Load*		
						50mm	75mm	150mm	50mm	75mm	150mm
Weight suspended from a fixing, mounted in a vertical wall with a load or weight attached to that fixing and acting vertically downwards.		●	15mm	up to 15mm	20mm	71kgs	142kgs				
			18mm	up to 15mm	24mm	74kgs	148kgs				
			20mm	up to 15mm	28mm	93kgs	185kgs				
			25mm	up to 15mm	28mm	113kgs	225kgs				

Tension Load		Griplt®	Size	Substrate thickness	Min edge distance	Safe Load*			Max Load*		
						50mm	75mm	150mm	50mm	75mm	150mm
The force applied to the fixing is 'pulled' away from the wall.		●	15mm	up to 15mm	20mm	20kgs	38kgs				
			18mm	up to 15mm	24mm	20kgs	39kgs				
			20mm	up to 15mm	28mm	20kgs	39kgs				
			25mm	up to 15mm	28mm	20kgs	39kgs				

Cantilever Load		Griplt®	Size	Safe Load*			Max Load*		
				50mm	75mm	150mm	50mm	75mm	150mm
The weight applied along the length of a horizontal beam at a known distance from a vertical wall and acting.		●	15mm	30kgs	27kgs	16kgs	60kgs	54kgs	32kgs
			18mm	32kgs	28kgs	18kgs	64kgs	56kgs	36kgs
			20mm	36kgs	29kgs	24kgs	72kgs	58kgs	48kgs
			25mm	40kgs	31kgs	25kgs	80kgs	62kgs	50kgs

*Independently tested on 15mm plasterboard.

Note: Griplt® is designed to accept screws of various lengths provided that the tip of the screw, when fully inserted, does not make contact with solid material within the wall space. To determine the maximum length of screws, measure the thickness of the item to be secured to the wall and then add a minimum of 15 to 20mm for Griplt® threading.