

Libra Systems

1st March 2019

Stud recommended maximum heights

Stud	Board	600mm centres	600mm boxed	400mm centres	400mm boxed	300mm centres	300mm boxed
FS50	1 x 12.5mm	2500	2800	2900	3200	3100	3500
	1 x 15mm	2800	3000	3100	3300	3300	3600
	2 x 12.5mm	3400	3600	3600	3800	3800	4000
	2 x 15mm	3700	3800	3900	4000	4000	4200
FI50	1 x 12.5mm	2900		3400		3700	
	1 x 15mm	3100		3500		3800	
	2 x 12.5mm	3700		3900		4200	
	2 x 15mm	3900		4200		4400	
FS60	1 x 12.5mm	3200	3400	3500	3800	3800	4200
	1 x 15mm	3400	3600	3700	4000	4000	4300
	2 x 12.5mm	4100	4300	4300	4600	4600	4800
	2 x 15mm	4400	4500	4600	4800	4800	5000
FI60	1 x 12.5mm	3600		4000		4400	
	1 x 15mm	3800		4200		4500	
	2 x 12.5mm	4400		4700		5000	
	2 x 15mm	4600		4900		5200	
FIHD60	1 x 12.5mm	4100		4600		5000	
	1 x 15mm	4200		4700		5100	
	2 x 12.5mm	4700		5100		5500	
	2 x 15mm	4900		5300		5600	
FS70	1 x 12.5mm	3600	3900	4000	4300	4300	4700
	1 x 15mm	3800	4100	4200	4500	4500	4900
	2 x 12.5mm	4600	4800	4900	5100	5100	5400
	2 x 15mm	4900	5100	5100	5300	5300	5600
FSHD70	1 x 12.5mm	3800	4100	4200	4600	4500	5000
	1 x 15mm	4000	4300	4400	4700	4700	5100
	2 x 12.5mm	4700	4900	5000	5300	5200	5600
	2 x 15mm	5000	5200	5200	5500	5500	5800
FI70	1 x 12.5mm	4100		4600		5000	
	1 x 15mm	4300		4700		5100	
	2 x 12.5mm	4900		5300		5600	
	2 x 15mm	5200		5500		5800	
FIHD70	1 x 12.5mm	4600		5100		5600	
	1 x 15mm	4700		5300		5700	
	2 x 12.5mm	5300		5700		6100	
	2 x 15mm	5500		5900		6300	
FS92	1 x 12.5mm	4500	4800	4900	5400	5300	5800
	1 x 15mm	4700	5100	5200	5600	5500	6000
	2 x 12.5mm	5700	5900	6000	6300	6200	6600
	2 x 15mm	5900	6100	6200	6500	6400	6800
FSHD92	1 x 12.5mm	4700	5000	5200	5600	5600	6100
	1 x 15mm	4900	5300	5400	5800	5800	6300
	2 x 12.5mm	5800	6000	6100	6500	6500	6900
	2 x 15mm	6000	6200	6300	6700	6600	7000
FIHD92	1 x 12.5mm	6000		6800		7400	
	1 x 15mm	6200		6900		7500	
	2 x 12.5mm	6800		7400		7900	
	2 x 15mm	6900		7500		8000	

Stud recommended maximum heights

Stud	Board	600mm centres	600mm boxed	400mm centres	400mm boxed	300mm centres	300mm boxed
FS146	1 x 12.5mm	6200	6800	6900	7600	7500	8300
	1 x 15mm	6500	7000	7200	7800	7700	8400
	2 x 12.5mm	7600	8000	8100	8600	8500	9100
	2 x 15mm	7900	8200	8300	8800	8700	9300
FIHD146	1 x 12.5mm	8300		9400		10300	
	1 x 15mm	8400		9500		10400	
	2 x 12.5mm	9200		10100		10900	
	2 x 15mm	9400		10300		11100	

Independent Wall lining @ 600mm centres

Stud Type	12.5mm Boards Maximum Heights		15mm Boards Maximum Heights	
	Single mm	Double mm	Single mm	Double mm
FI50	2400	2700	2400	2800
FI60	2400	3000	2700	3300
FIHD60	3000	3600	3300	3900
FIHD70	3600	4200	3900	4300
FIHD92	5100	5700	5400	5800
FIHD146	6900	7200	7200	7500

Independent Wall lining @ 300mm centres

Stud Type	12.5mm Boards Maximum Heights		15mm Boards Maximum Heights	
	Single mm	Double mm	Single mm	Double mm
FI50	3000	3400	3000	3600
FI60	3000	3800	3400	4300
FIHD60	3800	4500	4200	4900
FIHD70	4500	5200	4900	5500
FIHD92	6400	7100	6800	7200
FIHD146	8700	9000	9100	9500

Libra metal stud partitions maximum heights are based on a limiting deflection of L/240 at 200Pa.

It is recommended that for heights between 4200mm and 8000mm, Libra Deep Track is used. Libra Extra Deep Track should be used for heights above 8000mm.

For further information please contact technical@librasystemsuk.com

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