

## • Plugged and Screwed Fixings

MANUFACTURER <i>Telephone No:</i>	Type of plug		Screw Size*	Minimum screw depth into fixing (mm)	Individual Fixing - Ultimate Pull-Out Force (N)			
					Solar	Standard and Higher Strengths		
<b>WOOD SCREW</b>	Driven direct	(no plug)	No.10	37	-	870		
<b>PLASPLUG</b> 01283 533955	Plastic	Heavy Duty	No.10	57	600	950		
<b>RAWLPLUG</b> 01416 387961	Plastic	Yellow	Nos 8 & 10	25	300	-		
		Brown	Nos 12 & 14	45	650	-		
	Fibre	8 x 50	No. 8	38	-	1110		
		10 x 37	No. 10	32	450	-		
		14 x 37	No. 14	40	900	-		
	Rawlbloc (Lightweight Block Fixing)	Small (8/49)	5 mm	68	580	730		
Large (10/66)		6 mm	78	810	1200			
<b>UNIFIX</b> 0800 8087172	Nylon	Hi-load LB55/10mm	No. 10	70	745	1450		
	Nylon	Hi-load LB70/10mm	No. 10	85	1400	3600		
<b>FISCHER</b> 01491 827900	Nylon	S6	No. 10	35	450	800		
		S8	No. 12	46	800	1300		
		S10	No. 14	57	900	2400		
		GB8	5 mm	45	800	2700		
		GB10	7 mm	58	1250	-		
		GB14	10 mm	85	1550	-		
		(formerly by UPAT – now available from FISCHER)	Metal (fire resistant)	FTP K4	4mm	35	1150	1000
				FTP K8	8mm } Coach screw	45	1650	1600
FTP K10	10mm }			50	1950	-		
FTP M6	6mm			20	600	2000		
		FTP M8	8mm	25	1650	2600		
		FTP M10	10mm	30	1800	2800		

\*Approximate equivalent screw sizes: No.8: 4mm; No.10: 5mm; No.12: 5.5mm; No.14: 6mm; No.16: 7mm

## • Nailed fixings

	CUT NAIL - driven direct	75mm	55	-	1150
<b>HELIFIX</b> 0208 735 5200	TurboFast	8mm	50 into block	800	-
			70 into block	1200	-
			100 into block	-	970
<b>LODEN</b> 01527 68559	Anchor (fire resistant)	HA75	56 into block	500	1050
		HB90	56 into block	1000	1650
		SD Heavy Duty (particularly suitable for handrail fixings)	-	-	2000

## Hammer/screw fixings

<b>RAWLPLUG</b> 01416 387961	Rawl-Tap-In 6.5 mm (5 mm screw) - for use with <u>un</u> plastered blockwork	45 into block	585
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### Notes

- The diameter of holes drilled in the blocks should be such that the **plug fits tightly** prior to the screw being driven. Woodscrews driven direct should not be over tightened. Cut nails driven direct should not be over hammered.
- The size and length of a fixing should be suitable for the block thickness.
- Generally, fixings should be spaced from each other (and from the free edge of a block when this is applicable) at a distance not less than the depth of penetration of the fixings into the block; this should be confirmed with the fixing manufacturer.
- Where a comparison is needed between the performance of a fixing listed and a known requirement, we suggest a Safety Factor of 4 be applied.