

TECHNICAL INFORMATION

PLAN BRACES

TIS17005A



ARTICLE	DESCRIPTION	WEIGHT (kg)	BRACE LENGTH (m)	PERMISSIBLE LOADINGS			
				POINT LOAD (kN)	UDL (kN/m)	TENSION (kN)*	BUCKLING (kN)
UP1414	UNI plan brace 1.00x1.00m	2.42	1.414	2.01	2.85	11.60	26.94
UP1478	UNI plan brace 1.00x1.08m	2.6	1.478	1.93	2.61	11.60	25.51
UP1803	UNI Plan brace 1.50x1.00m	2.86	1.803	1.58	1.75	11.60	19.36
UP1863	UNI Plan brace 1.57x1.00m	2.92	1.863	1.53	1.64	11.60	18.43
UP2236	UNI plan brace 2.00x1.00m	3.25	2.236	1.27	1.14	11.60	13.81
UP2301	UNI plan brace 2.07x1.00m	3.31	2.301	1.24	1.08	11.60	13.18
UP2500	UNI Plan brace 1.50x2.00m	3.67	2.5	1.14	0.91	11.60	11.47
UP2544	UNI Plan brace 1.57x2.00m	3.71	2.544	1.12	0.88	11.60	11.13
UP2693	UNI Plan brace 2.50x1.00m	3.77	2.693	1.06	0.78	11.60	10.09
UP2760	UNI plan brace 2.57x1.00m	3.77	2.76	1.03	0.75	11.60	9.67
UP2828	UNI Plan brace 2.00x2.00m	3.91	2.828	1.01	0.71	11.60	9.26
UP2880	UNI plan brace 2.07x2.00m	3.9	2.88	0.99	0.69	11.60	8.97
UP3162	UNI Plan brace 3.00x1.00m	4.25	3.162	0.90	0.57	11.60	7.58
UP3202	UNI Plan brace 2.50x2.00m	4.29	3.202	0.89	0.56	11.60	7.41
UP3231	UNI plan brace 3.07x1.00m	4.25	3.231	0.88	0.55	11.60	7.29
UP3258	UNI plan brace 2.57x2.00m	4.28	3.258	0.87	0.54	11.60	7.18
UP3606	UNI Plan brace 3.00x2.00m	4.7	3.606	0.79	0.44	11.60	5.95
UP3666	UNI plan brace 3.07x2.00m	4.69	3.666	0.78	0.42	11.60	5.77

*LIMITED BY CLAW TENSION FAILURE

SECTION	SECTION PROPERTIES	MATERIAL
	<p>A: 3.73 cm² Cz, Cy: 2.41 cm Izz, Iyy: 9.77 cm⁴</p>	<p>EN AW 6082 - T6 Fy = 250N/mm² Fu = 290N/mm²</p>

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