

**LOADBEARINGS**



WINDOWWIDGETS can provide load bearing calculations should you require. Below is a summary of our BBA testing. Call for a full copy of the report.

**WINDOWWIDGETS BBA ACCREDITED LOADBEARING CALCULATIONS**

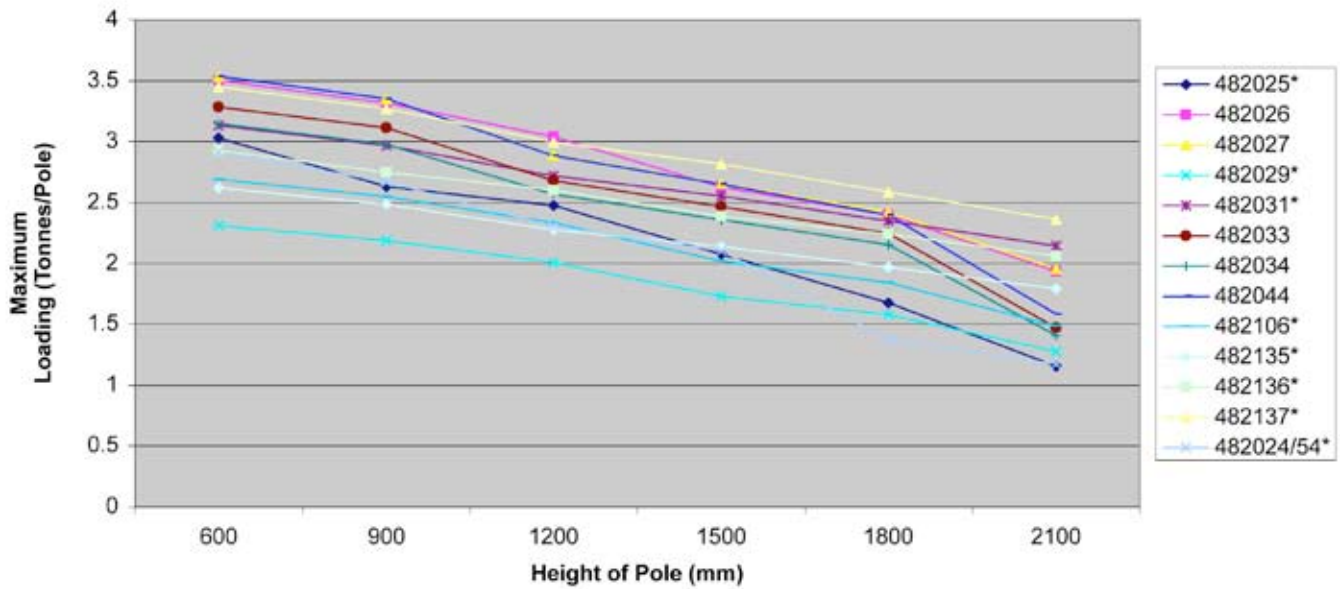


Table shows calculated values of maximum permissible imposed loads on baypoles and couplers of different lengths. Permissible Stress detailed in BPF W 362/1 : Feb 2001 Aluminium Grade 6063 T6.

**WHEN USED WITH BAYPOLE JACKS THE MAXIMUM LOADING IS CAPPED AT 2 TONNES PER POLE.**

	482025*	482026	482027	482029*	482031*	482033	482034	482044 WWL126	482106*	482135*	482136*	482137*	482024/54*
600	3.032	3.501	3.539	2.309	3.131	3.284	3.145	3.536	2.689	2.621	2.928	3.451	2.912
900	2.633	3.317	3.352	2.188	2.967	3.111	2.979	3.35	2.548	2.483	2.747	3.269	2.67
1200	2.473	3.041	2.887	2.006	2.719	2.679	2.566	2.885	2.335	2.276	2.602	2.997	2.306
1500	2.075	2.626	2.654	1.732	2.555	2.463	2.359	2.652	2.017	2.138	2.385	2.815	2.103
1800	1.676	2.396	2.421	1.58	2.349	2.247	2.152	2.396	1.84	1.966	2.241	2.588	1.375
2100	1.157	1.935	1.956	1.276	2.143	1.469	1.407	1.582	1.486	1.793	2.06	2.361	1.173
2400	Call For Figures above 2100mm												

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**MAX LOADS FOR EASY BAY VARIABLE ANGLE FOR REHAU S706**  
(WWL122 AND WWL23)

Height	WWL122	WWL23
600	3.220	3.8
900	2.796	3.6
1200	2.627	3.1
1500	2.415	2.8
1800	1.779	2.6
2100	1.441	1.7
2400	1.229	1.4

**MAX LOADS FOR VARIABLE ANGLE BAYPOLE 165° - 180° 70mm** (482055)

482055	
Height	Max Loads
600	2.268
900	1.958
1200	1.167
1500	0.825
1800	0.6*
2100	0.4*

\*- Denotes only permissible with lateral support from adjacent frame in the 'in-line' frame direction.

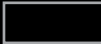
Note - For non loadbearing situations use our 170 degree PVCu solution Part No 17070

**MAX LOADS FOR VS BAYPOLE**  
(VSBAYPOLE01, VSBAYPOLE02, VS90ALI)

Height	VSBAYPOLE01	VSBAYPOLE01	VS90ALI
600	3.26	3.26	3.5*
900	3.26	3.26	3.5*
1200	3.06	3.06	3.5*
1500	2.90	2.90	3.0*
1800	2.90	2.90	3.0*
2100	2.66	2.66	2.7*
2400	2.40	2.40	2.5*

**MAX LOADS FOR MIGHTY MULLION**

Height	MM15070	MM13570	MM9070	MM18070*
600	4.311	4.416	4.079	3.943
900	3.744	3.835	3.739	3.735
1200	3.517	3.603	3.229	3.424
1500	2.949	3.312	2.946	3.217
1800	2.382	2.441	1.926	2.957
2100	1.645	1.976	1.643	2.698
2400	Call For Figures above 2100mm			

 Denotes Calculation based on lateral support from adjacent frame in the 'in line' frame direction. Call for calculations if there is no lateral support.

Frames screwfixed to coupler at 250mm centres.

**VARIABLE ANGLE BAYPOLE 90° - 120° 70mm** (WWL121)

WWL121	
Height	Max Loads
600	3.7
900	3.2
1200	3.0
1500	2.8
1800	2.0
2100	1.7
2400	1.4

Note: We truncated down the I-values to include a safety factor within this calculation. Calculations assume that the frame adapter is fixed to frames at 250mm centres and assembly is fixed from Baypole to frame at max 250mm centres.

WHEN USED WITH BAYPOLE JACKS THE MAXIMUM LOADING IS CAPPED AT 2 TONNES PER POLE.