

## Deflection Data



Twinwall Fixings (UK) Ltd.,  
 201 Cavendish Place,  
 Birchwood Park,  
 Birchwood,  
 Warrington. WA3 6WU  
 Telephone: 01925 811311  
 Facsimile: 01925 852955

Bar Type	600	Glazing Type	Polycarbonate
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Glazing Centres (mm) →		600						700						800					
Wind Load (kN) →		0.50	0.60	0.75	0.90	1.00	1.20	0.50	0.60	0.75	0.90	1.00	1.20	0.50	0.60	0.75	0.90	1.00	1.20
Deflection (mm) →																			
SPAN (mm)	L/75(mm)																		
1400	19	1	1	1	2	2	2	1	1	2	2	2	3	1	1	2	2	3	3
1600	21	2	2	2	3	3	4	2	2	3	3	4	5	2	3	3	4	4	5
1800	24	2	3	4	5	5	6	3	4	4	5	6	7	3	4	5	6	7	8
2000	27	4	5	6	7	8	9	4	5	7	8	9	11	5	6	8	9	10	13
2200	29	6	7	9	10	11	14	6	8	10	12	13	16	7	9	11	14	15	18
2400	32	8	10	12	15	16	20	9	11	14	17	19	23	10	13	16	19	22	26
2600	35	11	13	17	20	22	27	13	15	19	23	26	32	14	17	22	27	30	
2800	37	15	18	22	27	30	36	17	21	26	31	35		19	24	30	36		
3000	40	19	23	29	36	40		22	27	34	41			26	31	39			
3200	43	25	30	38	46			29	35	44				33	40				
3400	45	32	38	49				37	45					42	51				
3500	47	36	43	55				41	50					47					
3600	48	40	48					46											
3800	51	49																	
4000	53																		
4200	56																		
4400	59																		



Indicates allowable  
deflection in mm

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Bar Type	600	Glazing Type	Polycarbonate
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Glazing Centres (mm) →		900						950						1000					
Wind Load (kN) →		0.50	0.60	0.75	0.90	1.00	1.20	0.50	0.60	0.75	0.90	1.00	1.20	0.50	0.60	0.75	0.90	1.00	1.20
Deflection (mm) →																			
SPAN (mm)	L/75(mm)																		
1400	19	1	2	2	3	3	3	1	2	2	3	3	4	2	2	2	3	3	4
1600	21	2	3	4	4	5	6	2	3	4	5	5	6	3	3	4	5	5	6
1800	24	4	5	6	7	8	9	4	5	6	7	8	10	4	5	6	8	9	10
2000	27	6	7	9	11	12	14	6	7	9	11	12	15	6	8	10	12	13	16
2200	29	8	10	13	15	17	21	9	11	13	16	18	22	9	11	14	17	19	23
2400	32	12	14	18	22	24	29	12	15	19	23	26		13	16	20	24	27	
2600	35	16	20	25	30			17	21	26	32			18	22	28			
2800	37	22	26	33				23	28	35				24	29	37			
3000	40	29	35					30	37					32	39				
3200	43	37	45					39	48					41					
3400	45	47						50						53					
3500	47	53																	
3600	48																		
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Bar Type	600	Glazing Type	Polycarbonate
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Glazing Centres (mm) →		1050						1100						1200					
Wind Load (kN) →		0.50	0.60	0.75	0.90	1.00	1.20	0.50	0.60	0.75	0.90	1.00	1.20	0.50	0.60	0.75	0.90	1.00	1.20
Deflection (mm) →																			
SPAN (mm)	L/75(mm)																		
1400	19	2	2	2	3	3	4	2	2	3	3	3	4	2	2	3	3	4	5
1600	21	3	3	4	5	6	7	3	3	4	5	6	7	3	4	5	6	6	8
1800	24	4	5	7	8	9	11	5	6	7	8	9	11	5	6	8	9	10	12
2000	27	7	8	10	12	14	17	7	8	11	13	14	17	8	9	12	14	16	19
2200	29	10	12	15	18	20		10	12	16	19	21		11	13	17	21	23	
2400	32	14	17	21	25			14	17	22	27			16	19	24			
2600	35	19	23	29				20	24	30				22	26				
2800	37	25	31					27	32					29	35				
3000	40	34	41					35	43					38					
3200	43	43						45											
3400	45	55																	
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