

Deflection Data



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

Bar Type	280 /283	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	2	2	2	3	3
1600	21	2	2	3	3	3	4	2	2	3	4	4	5	2	3	3	4	5	6
1800	24	3	3	4	5	6	7	3	4	5	6	6	8	4	4	5	7	7	9
2000	27	4	5	6	8	8	10	5	6	7	9	10	12	5	7	8	10	11	14
2200	29	6	7	9	11	12	15	7	8	11	13	14	17	8	10	12	15	16	20
2400	32	8	10	13	16	17	21	10	12	15	18	20	25	11	14	17	21	23	28
2600	35	12	14	18	21	24	29	14	16	21	25	28	34	15	19	24	29	32	39
2800	37	16	19	24	29	32	39	18	22	28	34	38	45	21	25	32	39	43	
3000	40	21	25	32	38	42	51	24	29	37	44	50		27	33	42	51		
3200	43	27	32	41	49	55		31	38	48	58			35	43	54			
3400	45	34	41	52	63			39	48	61				45	55				
3600	48	43	52	65				50	60					57					
3800	51	53	64					62						70					
4000	53	65																	
4200	56																		
4400	59																		



Indicates allowable
deflection in mm

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Bar Type	280 / 283	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	4	2	2	2	3	3	4	2	2	2	3	3	4
1600	21	2	3	4	5	5	6	3	3	4	5	5	7	3	3	4	5	6	7
1800	24	4	5	6	7	8	10	4	5	6	8	9	11	4	5	7	8	9	11
2000	27	6	7	9	11	13	15	6	8	10	12	13	16	7	8	10	13	14	17
2200	29	9	11	14	17	18	22	9	11	14	17	19	23	10	12	15	18	20	25
2400	32	13	15	19	23	26	32	13	16	20	25	28	33	14	17	22	26	29	35
2600	35	17	21	27	32	36	43	18	22	28	34	38		19	23	30	36	40	
2800	37	23	28	36	43	48		25	30	38	46	51		26	32	40	48		
3000	40	31	37	47	57			32	39	50				34	42	53			
3200	43	40	48	61				42	51	65				44	54				
3400	45	51	62					54	65					56					
3600	48	64						67											
3800	51																		
4000	53																		
4200	56																		
4400	59																		

Indicates allowable deflection in mm

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Bar Type	280 / 283	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	3	3	4	4	2	2	3	3	4	4	2	2	3	4	4	5
1600	21	3	4	4	5	6	7	3	4	5	6	6	8	3	4	5	6	7	8
1800	24	5	6	7	9	10	12	5	6	7	9	10	12	5	6	8	10	11	13
2000	27	7	9	11	13	15	18	7	9	11	14	15	19	8	10	12	15	17	20
2200	29	10	13	16	19	22	26	11	13	17	20	23	27	12	14	18	22	25	30
2400	32	15	18	23	27	30	37	15	19	24	29	32	39	17	20	26	31	35	
2600	35	20	25	31	38	42		21	26	33	39	44		23	28	36	43		
2800	37	27	33	42	51			29	35	44				31	38	48			
3000	40	36	44	55				38	46	58				41	50				
3200	43	46	56					49	59					53					
3400	45	59						62											
3600	48																		
3800	51																		
4000	53																		
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Indicates allowable deflection in mm