

Deflection Data



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

Bar Type	280 / 288	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)																		
2800	37	5	6	7	9	10	12	6	7	9	10	12	14	6	8	10	12	13	16
3000	40	6	8	10	12	13	16	7	9	11	14	15	18	8	10	13	16	17	21
3200	43	8	10	13	15	17	20	10	12	15	18	20	24	11	13	17	20	23	27
3400	45	10	13	16	19	22	26	12	15	19	23	25	30	14	17	21	26	29	35
3600	48	13	16	20	24	27	33	15	19	23	28	32	38	17	21	27	32	36	
3800	51	16	20	25	30	34	41	19	23	29	35	39		22	26	33	40		
4000	53	20	24	31	37	41		23	28	36	43	48		27	32	41	49		
4200	56	24	29	37	45	50		28	34	43	53			32	39	50			
4400	59	29	35	45	54			34	41	52				39	47	60			
4600	61	35	42	54	65			41	49	63				47	56				
4800	64	41	50	64				48	59					55	67				
5000	67	49	59	75				57	69					65					
5200	69	57	69					66	81					76					
5400	72	66	80					77						88					
5600	75	77	93					89											
5800	77	88																	
6000	80																		



Indicates allowable
deflection in mm

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Bar Type	280 / 288	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)																		
2800	37	7	9	11	13	15	18	8	9	12	14	16	19	8	10	12	15	17	20
3000	40	9	11	15	18	20	24	10	12	15	19	21	25	11	13	16	20	22	26
3200	43	12	15	19	23	25	31	13	16	20	24	27		14	17	21	25	28	
3400	45	16	19	24	29	32		16	20	25	31	34		17	21	27	32		
3600	48	20	24	30	36			21	25	32	38			22	26	34			
3800	51	24	30	37				26	31	40				27	33	42			
4000	53	30	36	46				32	38	49				33	40				
4200	56	36	44					38	47					40	49				
4400	59	44	53					46	56					49	59				
4600	61	52	64					55						58					
4800	64	62						66						69					
5000	67	73																	
5200	69																		
5400	72																		
5600	75																		
5800	77																		
6000	80																		



Indicates allowable deflection in mm

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Bar Type	280 / 288	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)																		
2800	37	8	10	13	16	17	21	9	11	13	16	18	22	10	12	15	18	20	24
3000	40	11	13	17	21	23	28	12	14	18	21	24	29	13	15	19	23	26	
3200	43	14	17	22	27	30		15	18	23	28	31		16	20	25	30		
3400	45	18	22	28	34			19	23	29	35			21	25	32			
3600	48	23	28	35				24	29	37				26	32	40			
3800	51	28	35	44				30	36					32	39				
4000	53	35	42					37	44					40	48				
4200	56	42	52					44	54					48					
4400	59	51						54						58					
4600	61	61						64											
4800	64																		
5000	67																		
5200	69																		
5400	72																		
5600	75																		
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