

FRP PULTRUDED GRATINGS

LOAD TABLES 25.4 MM THICKNESS GRATINGS

		UNIFORMLY DISTRIBUTED LOAD (KG/M ²) - DEFLECTION IN MM								
SPAN	CODE	250	500	750	1000	1250	1500	2000	2500	3000
600	GI-6010	<1	<1	<1	1.2	1.5	1.8	2.4	3.0	3.6
	GT-3310	<1	<1	1.3	1.7	2.2	2.6	3.4	4.4	5.2
800	GI-6010	<1	1.8	2.7	3.6	4.5	5.4	7.2	9.0	10.8
	GT-3310	<1	2.5	3.7	5.0	6.2	7.4	10.0	12.4	
1000	GI-6010	2.4	4.8	7.2	9.6	12.0	14.4			
	GT-3310	3.2	6.5	9.7	13.0					
1200	GI-6010	4.2	8.5	12.7						
	GT-3310	5.6	11.2							

		CONCENTRATED LINE LOAD (KG/M) - DEFLECTION IN MM								
SPAN	CODE	150	300	450	600	750	900	1000	2100	4200
600	GI-6010	<1	1.3	1.9	2.6	3.2	3.8	4.5	8.9	
	GT-3310	<1	1.4	2.1	2.8	3.5	4.2	4.9	9.8	
800	GI-6010	1.8	3.6	5.3	7.2	9.0	10.6	12.6		
	GT-3310	2.0	4.0	5.9	8.0	10.0	11.8			
1000	GI-6010	2.8	5.6	8.4	11.2	14.0				
	GT-3310	3.1	6.2	9.3	12.4					
1200	GI-6010	4.1	8.2	12.3						
	GT-3310	4.5	9.0	13.5						
1400	GI-6010	5.8	11.6							
	GT-3310	6.4	12.8							

LOAD TABLES 38.1 MM THICKNESS GRATINGS

		UNIFORMLY DISTRIBUTED LOAD (KG/M ²) - DEFLECTION IN MM								
SPAN	CODE	250	500	750	1000	1250	1500	2000	2500	3000
800	GI-5015	<1	<1	<1	<1	1.1	1.2	1.7	2.2	2.5
	GT-6015	<1	<1	<1	1.1	1.4	1.6	2.2	2.8	3.2
1000	GI-5015	<1	1.1	1.6	2.2	2.7	3.3	4.4	5.5	6.6
	GT-6015	<1	1.4	2.1	2.8	3.5	4.2	5.6	7.0	8.4
1200	GI-5015	1.2	2.4	3.5	4.7	5.9	7.1	9.5		
	GT-6015	1.5	3.0	4.5	6.0	7.5	9.0	12.0		
1400	GI-5015	2.1	4.3	6.5	8.7	10.8	12.9			
	GT-6015	2.7	5.5	8.2	11.0	13.7	16.4			
1600	GI-5015	4.0	8.0	12.0						
	GT-6015	5.1	10.2	15.3						
1800	GI-5015	6.7	13.5							
	GT-6015	8.5	17.0							

		CONCENTRATED LINE LOAD (KG/M) - DEFLECTION IN MM								
SPAN	CODE	150	300	450	600	750	900	1050	2100	4200
800	GI-5015	<1	<1	<1	<1	1.5	1.8	2.1	4.2	8.4
	GT-6015	<1	<1	<1	<1	1.9	2.3	2.7	5.4	10.8
1000	GI-5015	<1	1.2	1.8	2.4	3.0	3.6	4.1	8.2	
	GT-6015	<1	1.5	2.3	3.0	3.8	4.6	5.2	10.4	
1200	GI-5015	1.0	2.0	3.0	4.0	5.0	6.0	7.0	14.0	
	GT-6015	1.3	2.6	3.9	5.2	6.5	7.8	9.1		
1400	GI-5015	1.4	2.8	4.2	5.6	7.0	8.4	9.8		
	GT-6015	1.8	3.6	5.4	7.2	9.0	10.8	12.6		
1600	GI-5015	2.7	5.4	8.1	10.8	13.5				
	GT-6015	3.5	7.0	10.5	14.0					
1800	GI-5015	3.6	7.2	10.8	14.4					
	GT-6015	4.6	9.2	13.8						

Load-deflection information

The load data indicated in the tables represent typical values calculated by our testing laboratory and are intended as a selection guide of the best suited grating. The load values could have a variation of +/-10%.

Loads

In case of pedestrian loads we suggest selecting a grating with deflection limited to the lesser of 10mm or span divided by 125. For a stiffer feeling, limit deflection to span divided by 200.