

Table 1 Shear test parameters under cyclic shear loads

Frequency of shear load, f_s [Hz]	0.01, 0.05, 0.1
Amplitude of displacement, a_s [mm]	± 4 , ± 6 , ± 8
Normal load, P [MPa]	0.1, 0.5, 1
Number of cycle, N	30
Wave Type	Sinusoidal

Table 2 Peak shear stress on the joint for different frequencies (f_s) and number (N) of shear cycle ($P=0.1$ MPa)

N	0.01 Hz	0.05 Hz	0.1 Hz
1	0.34	0.42	0.48
2	0.26	0.26	0.29
3	0.22	0.21	0.21
15	0.15	0.15	0.16
30	0.14	0.15	0.16

Table 3 Peak shear stress on the joint for different amplitudes (a_s) and number (N) of shear cycle ($P=0.1$ MPa)

N	± 4 mm	± 6 mm	± 8 mm
1	0.34	0.33	0.33
2	0.32	0.28	0.26
3	0.32	0.28	0.22
15	0.34	0.22	0.15
30	0.34	0.20	0.14