

Appendix 5.11 Trackform Insertion Loss

Trackform Insertion Loss (TIL)

Item	Designation	Description	Trackform Type	Frequency, Hz															
				20	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	
1	Alt1	Alternative 1 Baseplate (25kN/mm)	Type 1a	-1	-1	3	6.8	-2	-6.5	-6.5	-5.1	-5.5	-7	-7.6	-6.8	-5.5	-1	-1.8	
2	Egg	Egg Type Baseplate	Type 2	-0.1	-0.1	-0.4	-5.2	-9.8	-10.6	-11.1	-12.4	-11.3	-9.3	-11.1	-8.2	-10.8	-7.7	-9.4	
3	FST 16Hz	FST 16Hz with loaded resonance frequency of about 16 Hz	Type 3	-8.8	-15.9	-14.5	-18.0	-22.6	-30.4	-32.4	-31.3	-32.3	-35.0	-35.8	-34.7	-33.7	-28.9	-37.0	

Remark:

1. All TIL unit in dB relative to Ballast & Sleeper Track (B&S).

Trackform Insertion Loss (TIL) for NOL GBN Model

