Questionnaire

to design an air spring system for rail vehicles

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Company | Customer no.

Department | Project

Name | Phone

Street | Fax

Location | E-Mail

Technical data for each secondary system

Type of load	**Unit**	**Trailer bogie**		**Motor bogie**	
		static	dynamic	static	dynamic
tare load F_1	kN				
operating load F_2	kN				
max. full load F_3	kN				
max. horizontal deflection d_{xy}	mm				
max. permissible vertical rebound d_z	mm				
max.permissible vertical compression d_z	mm				
Lateral natural frequency or stiffness:					
at tare load	Hz or N/mm				
at operating load	Hz or N/mm				
at full load	Hz or N/mm				
Vertical natural frequency or stiffness:					
at tare load	Hz or N/mm				
at operating load	Hz or N/mm				
at full load	Hz or N/mm				
vertical emergency spring stiffness at tare load	N/mm				
max. available design height	mm				
max. available diameter	mm				
max. available pressure pi	bar				
additional volume Va	dm^3				
max. torsional angle	°				
pivot distance	m				
spring basis (center distance of systems in bogie)	mm				
smallest curve radius	m				
coefficient of sliding friction in emergency operation					

Date | Signature

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Segment Railway Engineering

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12.2014. Printed with ContiTech offset printing blankets on bleached paper free of chlorine.