

No.	R/O	Description	Value	Unit
1	R	Maximum measurable force F_z	30	kN
2	R	Maximum linearity deviation for F_z	1	%
3	R	Maximum measurable force F_y	3	kN
4	R	Maximum linearity deviation for F_y	5	%
5	O	Maximum measurable moment M_x	30	kN cm
6	O	Maximum linearity deviation for M_x	10	%
7	O	Maximum measurable moment M_z	4	kN cm
8	O	Maximum linearity deviation for M_z	10	%
9	R	Minimum wheel diameter	200	mm
10	R	Maximum hub diameter	45	mm
11	R	Maximum wheel and hub width	65	mm
12	R	First eigenfrequency of deformation element (unloaded)	> 500	Hz
13	R	Operating conditions: outside	5–40	°C
14	R	No calibration at the roller coaster vehicle necessary		
15	R	No structural alteration of existing vehicle design required		
16	R	Low-cost transducer		