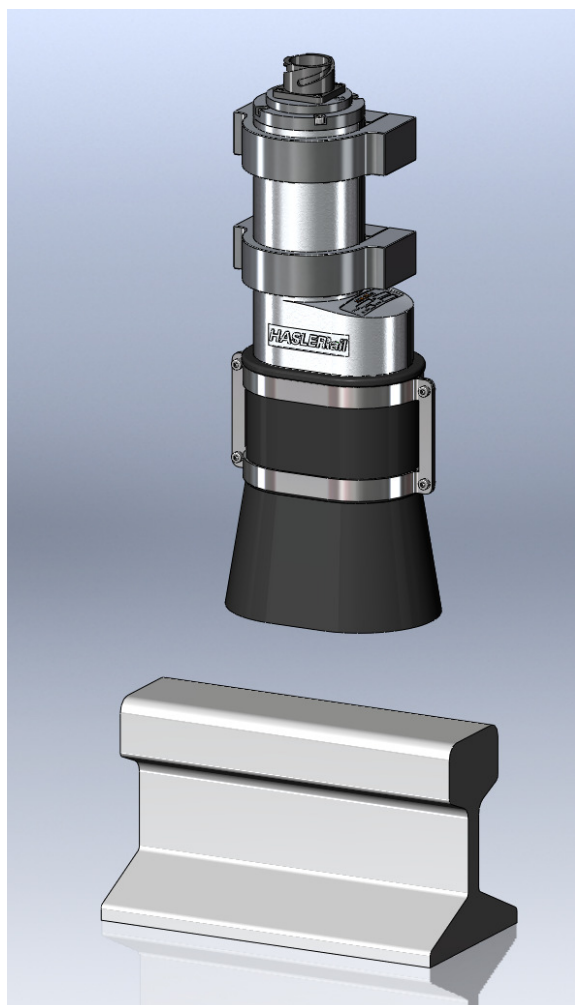


CORRail-1000

List of the relevant laws and standards



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List of the relevant laws and standards

#	Name of the law
01	Environmental requirements according EN50155:2007 EN50125-1:1999
02	Requirements regarding humidity EN50155, §4.1.4 EN50125-1, §4.4
03	Requirements regarding pollution EN50155, §4.2.1 EN50125-1, §4.11
04	Requirements regarding electromagnetic compatibility EN50155, §3.2-5
05	EMC tests must guarantee the requirements as described in EN50121-3-2 IEC62236-3-2 RIA12
06	Requirements regarding shock and vibration according EN61373:1999 <u>Sensor head:</u> Category 2 <u>Filter electronics:</u> Category 1, class B Acceleration sources as specified in EN50125-1, §4.12.3
07	Thermal requirements according EN50155, §4.1.2 EN50125-1, §4.3 <u>Sensor head:</u> Class TX (outside the vehicle -40°C to +70°C) <u>Filter electronics:</u> Class T3 (inside cabinet -25°C to +70°C)
08	Average case ambient temperature according to EN50125, §4.3 is 25°C, which means an inside cubicle (housing) temperature of 45°C (useful for the choice of components and reliability calculation) (to be verified)
09	Fire and smoke requirements according EN 45545-2
10	EBO §22 Regellichtraum
11	UIC 505-1 Railway transport stock - Rolling stock construction gauge

References

- [1] User Requirement Specification - Project ORION
- [2] Technical System Requirement Specification - Project ORION

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