



HEXAGON

NEXT**SENSE**

CALIPRI C4X

Data Sheet

Measurement module “Rail”



Doc. ID: CMM3001
Rev. No: 01
Date: 2022-08-16

CALIPRI
C4X

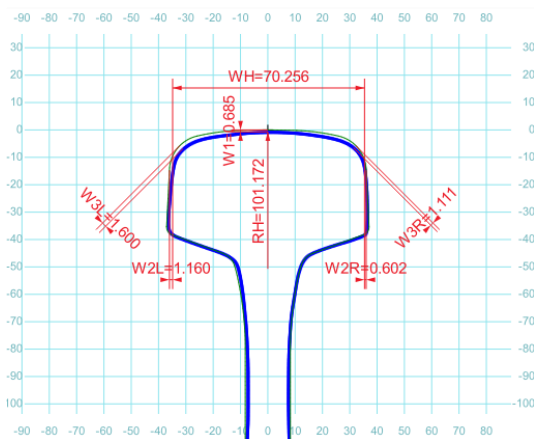
1 APPLICATION

With the module „Rail“ it is possible to measure the complete vignole and grooved rails within a few seconds and compare them with the individual reference values. Due to various measurement methods, the „Rail“ module is used as a part of regular maintenance measures to check the wear parameters as well as in the rail manufacturing process in the course of quality control checks.

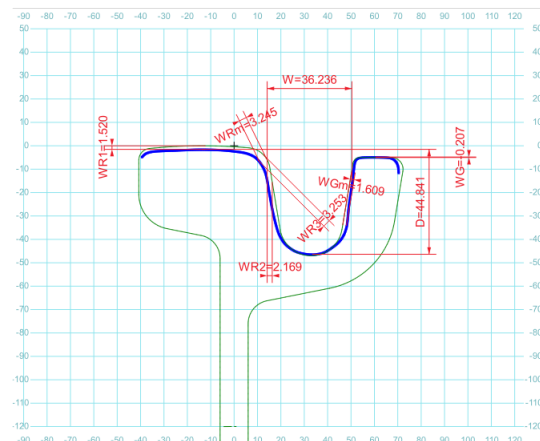
The following 3 measurement methods are available:

- RailProfile (Wear measurement of vignole rails)
- GroovedRailProfile (Wear measurement of grooved rails)
- RailComplete (Whole profile measurement of vignole rails)

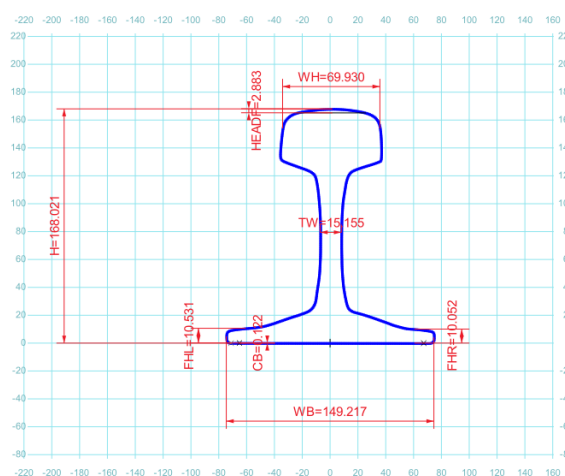
Measured variables:




Method “RailProfile”



Method “GroovedRailProfile”



2 TECHNICAL DATA

Compatibility	CALIPRI C41, CALIPRI C42	
Accuracy	Absolute accuracy: $< \pm 80 \mu\text{m}$ Repeatability: $< \pm 35 \mu\text{m}$	
Requirements	Many rail types are already integrated (Detailed list available upon request)	
Dimensions	RailProfile, GroovedRailProfile, RailComplete	
Product ID	CMM3001	

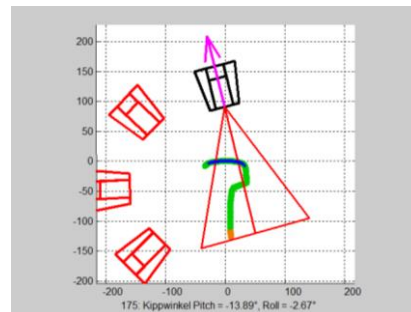
3 SCOPE OF SUPPLY AND SERVICES

- Software license measurement module “Rail“
(Activation through remote access possible also at a later date)

4 MEASUREMENT PROCESS



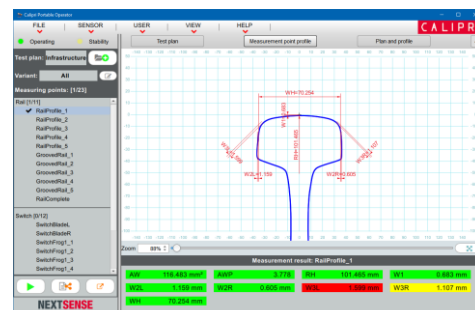
Measurement



Sensor guidance (Tutor)



Measurement result on sensor



Measurement result on tablet PC

Offers & Live Demonstrations
sales@nextsense-worldwide.com



HEXAGON

NEXTSENSE

NEXTSENSE GmbH
Straßganger Straße 295, 8053 Graz, AUSTRIA
Phone +43 316 232 400 - 0, Fax +43 316 232 400 - 599
office@nextsense-worldwide.com
nextsense-worldwide.com | hexagonmi.com