



## Vossloh Fastening Systems

Rail web damping system

Presentation SZDC – 25.02.2010

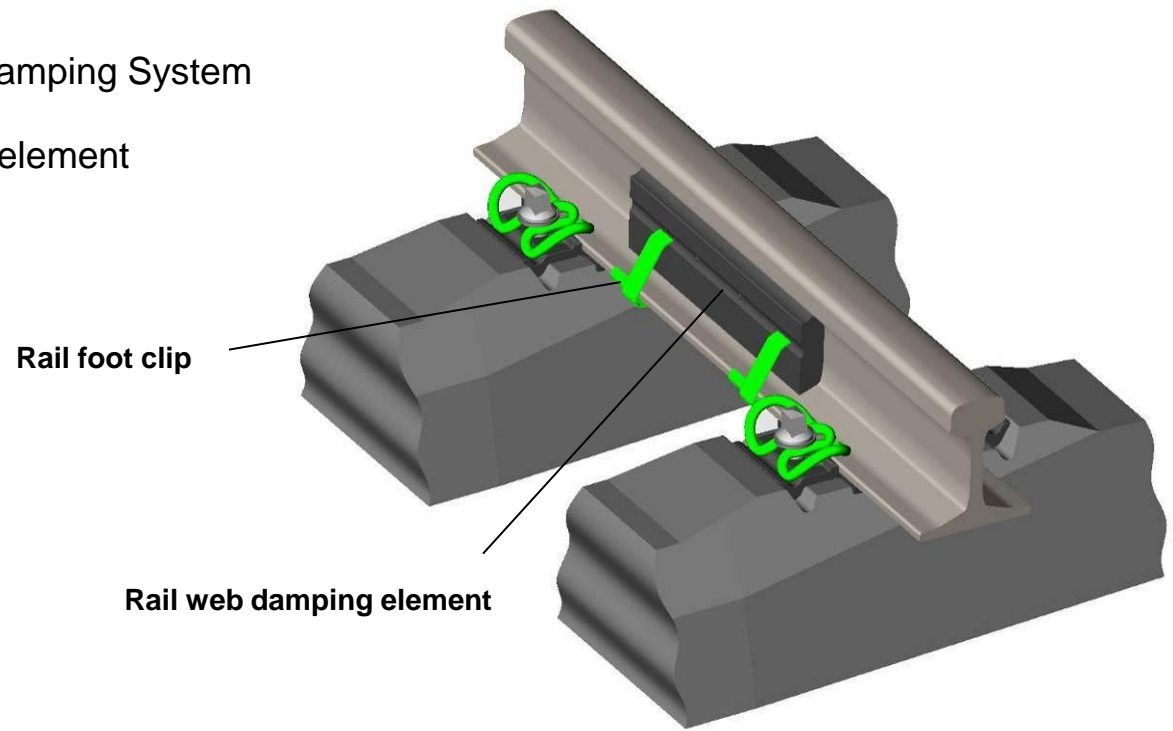
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# VFS Rail web damping system

Components of one Rail Web Damping System

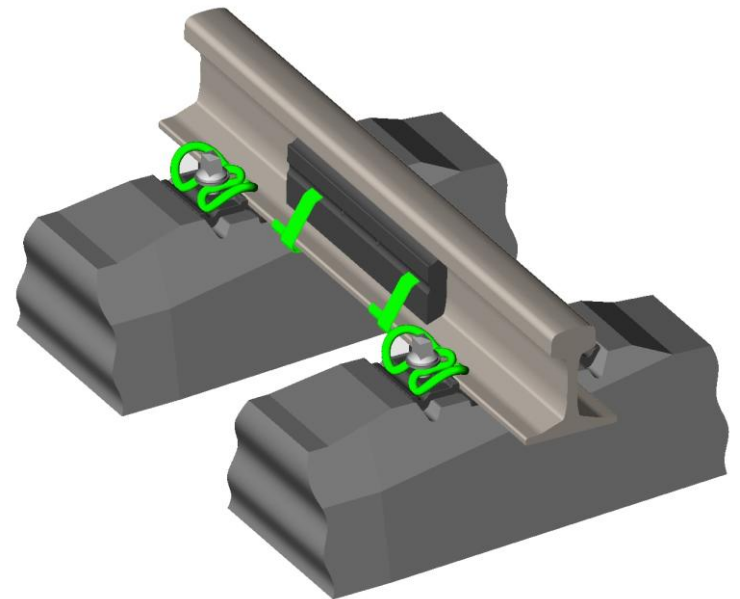
- ▶ 1 piece of rail web damping element
- ▶ 2 pieces of rail clips



## VFS Rail web damping system

Compact damping element consisting of a solid plastic filled with ferrous metal.

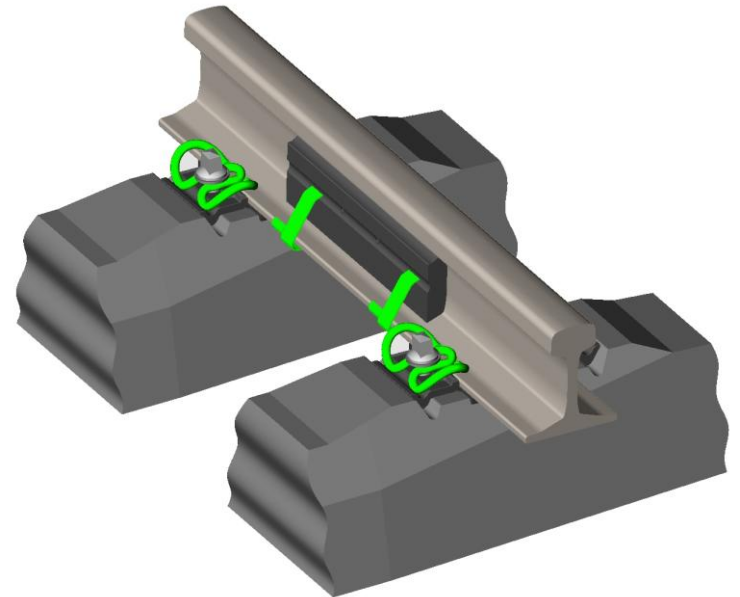
- ▶ To reduce airborne noise level  
(reduction of rolling noise and screeching in curves )
- ▶ Simple installation
- ▶ Maintenance free
- ▶ Fastened by two rail foot clips per element



x

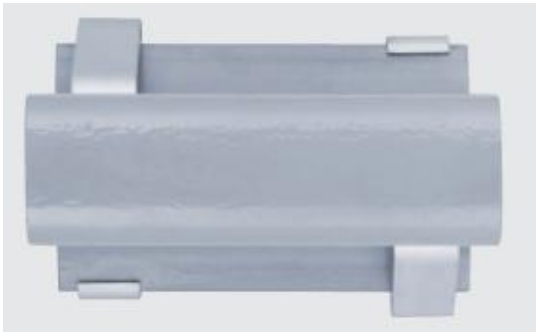
## VFS Rail web damping system

- ▶ Re-usable components
- ▶ No gluing
- ▶ No residuum in the rail web after dismounting



# VFS Rail web damping system

- ▶ Available for all rail profiles
- ▶ Resistant materials
- ▶ Corrosion resistant

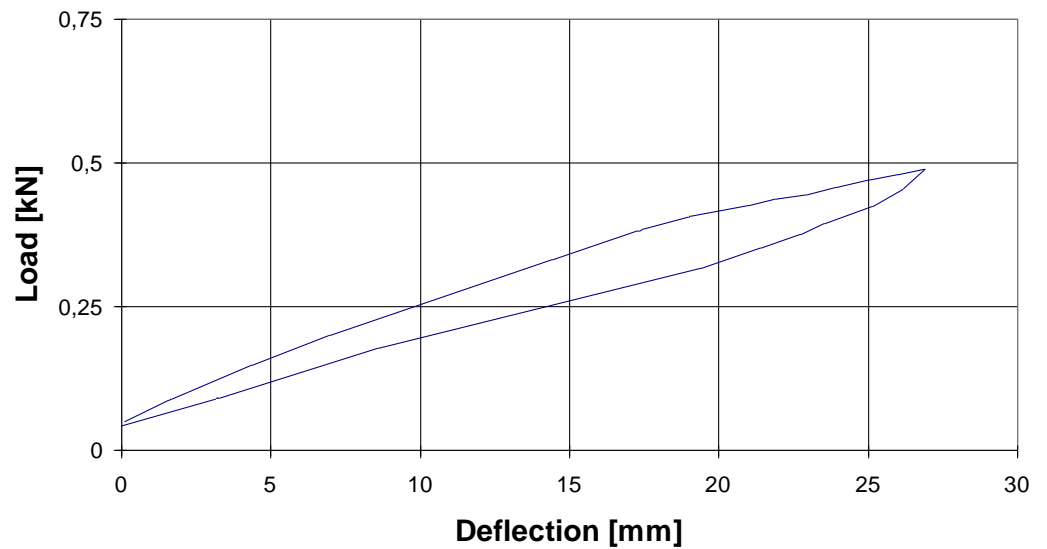


# VFS Rail web damping system

Rail foot clip

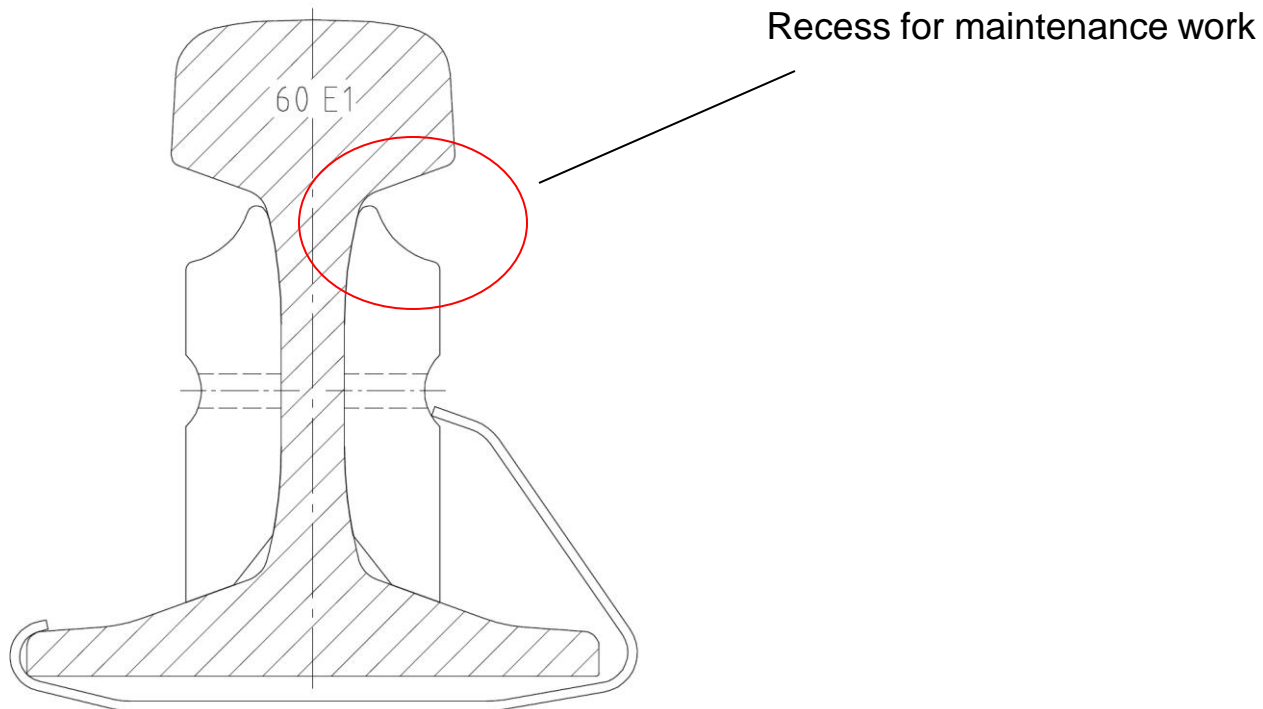


Load/spring deflection of the rail foot clip



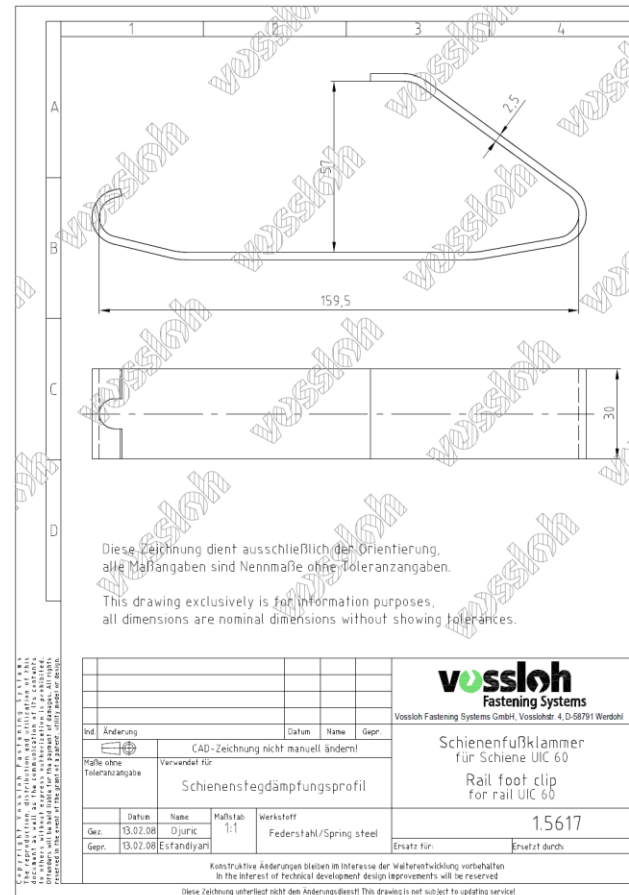
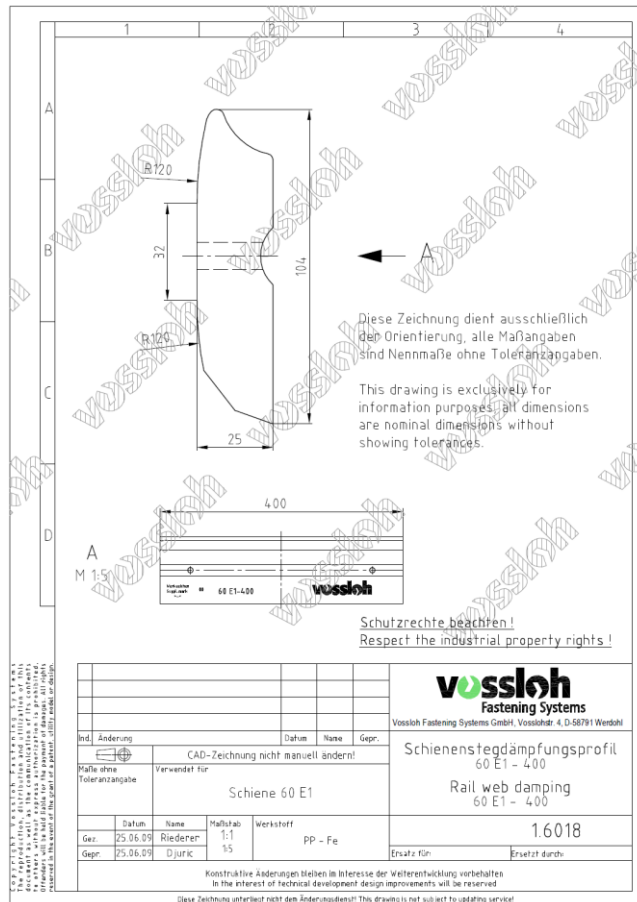
# VFS Rail web damping system

## Maintenance in track





# VFS Rail web damping system



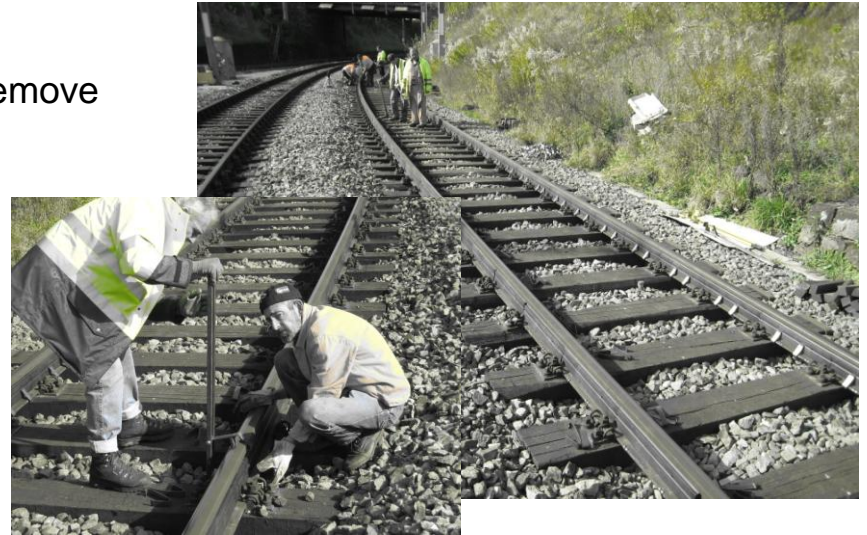


# VFS

## Rail web damping system

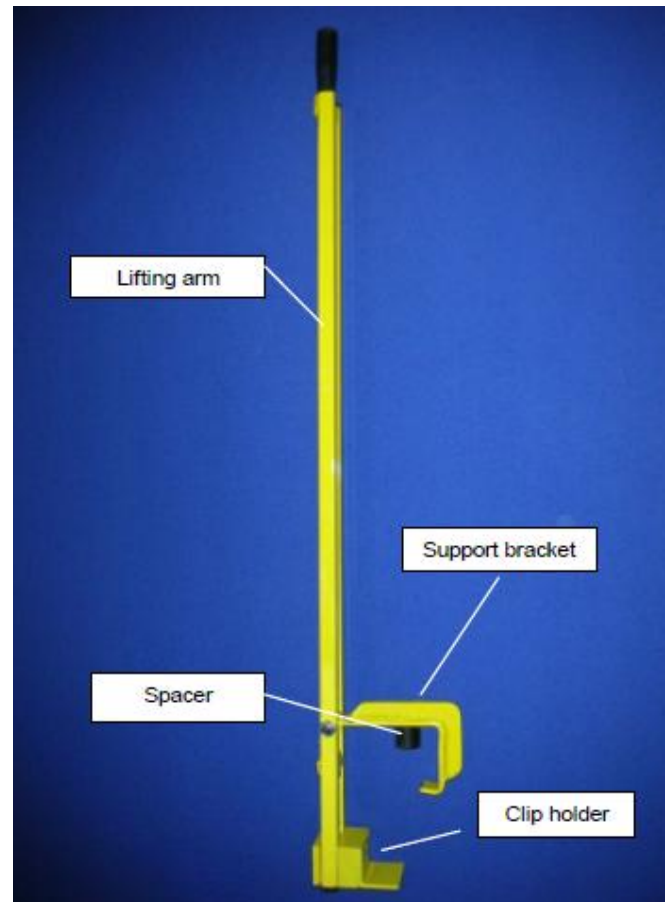
### Assembly of the rail web damping system

- ▶ If needed, the ballast under the rail has to remove
- ▶ Insert the damping elements
- ▶ Fastening the rail foot clip



# VFS Rail web damping system

Mounting tool



# VFS Rail web damping system

Mounting tool

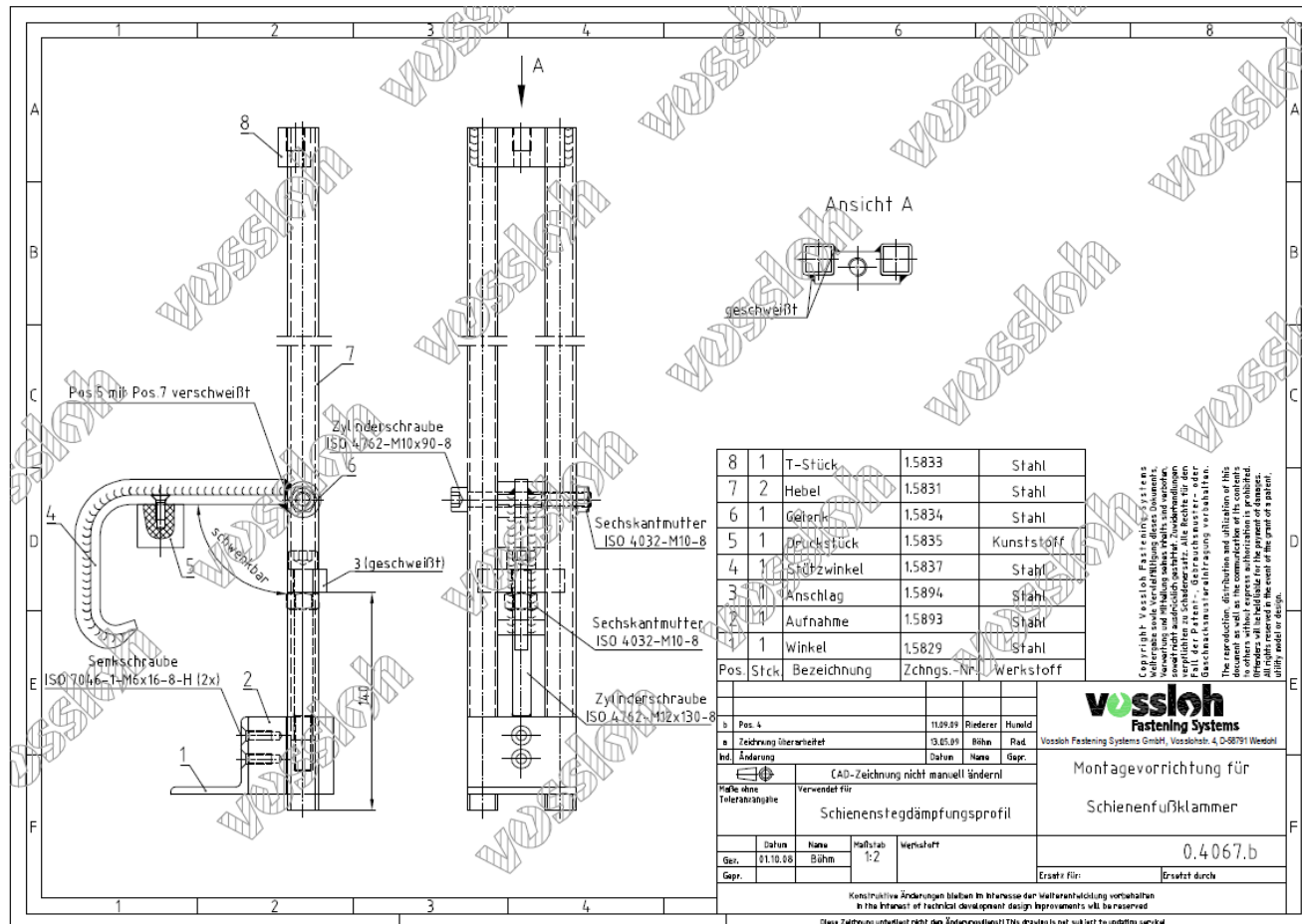


# VFS Rail web damping system

## Dismounting



# VFS Rail web damping system



Pos.	Stck.	Bezeichnung	Zchngs.-Nr.	Werkstoff
8	1	T-Stück	1.5833	Stahl
7	2	Hebel	1.5831	Stahl
6	1	Gelenk	1.5834	Stahl
5	1	Druckstück	1.5835	Kunststoff
4	1	Stützwinkel	1.5837	Stahl
3	1	Anschlag	1.5894	Stahl
2	1	Aufnahme	1.5893	Stahl
1	1	Winkel	1.5829	Stahl

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b		Pos. 4	11.09.09	Riederer	Hünold	Vossloh Fastening Systems GmbH, Vosslohstr. 4, D-58791 Werdohl
c		Zeichnung überarbeitet	13.05.09	Bühm	Rad	
Mod.	Änderung	Datum	Name	Grp.		
 CAD-Zeichnung nicht manuell ändern!		Verwendet für				<b>vossloh</b> <b>Fastening Systems</b> Montagevorrichtung für Schienenfußklammer  0.4067.b
 Technische Zeichnung Schienenfüßdämpfungsprofil		Datum	Name	Maßstab	Verstärker	
Ger.	01.10.08	Bühm		1:2		Ersetzt für:
Gepr.						Ersetzt durch:

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# VFS

## Rail web damping system

### Reference list rail web damper



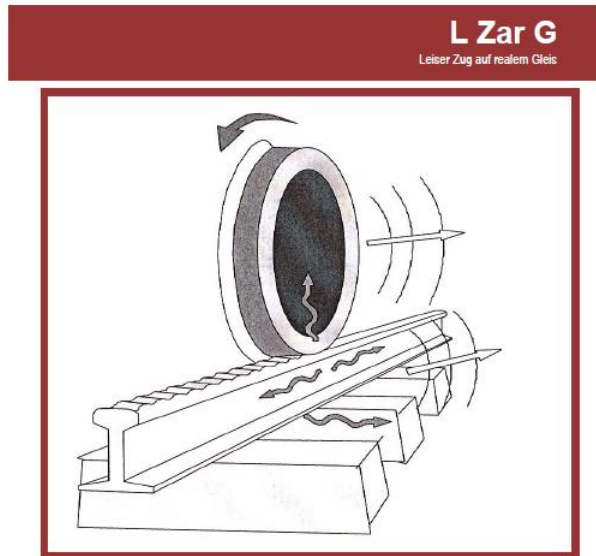
Country	Date of assembly (jjjj)	Quantity
Austria	2008	400
Czech Republic	2008	14.048
Czech Republic	2009	6.916
Finland	2009	1.340
Germany	2008	8
Germany	2009	302
Greece	2009	700
South Korea	2009	680

since 2008 worldwide about: 23.994

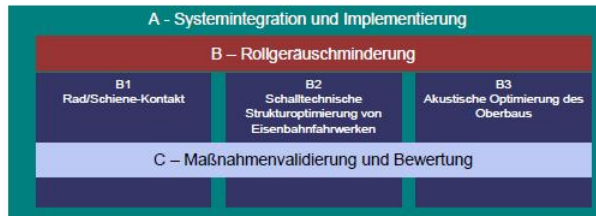


# VFS Rail web damping system

## Projekt LZarG



**Verbundprojekt  
„L Zar G“ – Leiser Zug auf realem Gleis**



Projektpartner im Teilprojekt B3



# VFS Rail web damping system Project LZarG



Thank you for your attention.