



INTEROPERABILITY UNIT	
LIST OF FULLY APPROVED K COMPOSITE BRAKE BLOCKS FOR INTERNATIONAL TRANSPORT	
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AMENDMENT RECORD

Version	Date	Section number	Modification/description
1.0	04/06/2009		Preparation of version 1.0
2.0	04/06/2009	3 and 4	Version 2.0
3.0	30/06/2009	3 and 4	Version 3.0
4.0	18/05/2011	4	Version 4.0
5.0	09/08/2011	4	Version 5.0
6.0	15/06/2012	4	List of fully approved K composite brake blocks aligned with Appendix M (from 01/06/2012) of the UIC leaflet 541-4:2010: <u>Pos. 6</u> added <u>Pos. 3:</u> “organic” replaced by “sintered” <u>Pos. 4:</u> 31/01/2015 (approval period end) replaced by 30/06/2015. <u>Pos. 5 and 7:</u> The footnote “2)” (restriction to S-braked wagon type LAAERS) removed.
7.0	10/09/2012	4	<u>Pos. 7</u> range of nominal wheel diameter extended <u>Pos. 8</u> added

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1. Introduction

The present document belongs to the set of Technical Documents described in the Article 1a 'Technical Documents' of the Decision 2006/861/EC amended by the Decision 2009/107/EC (Article 1 paragraph a).

It provides the list of fully approved brake blocks for international transport referred to in Annexes P and JJ of the Decision 2006/861/EC of July 26, 2006.

2. Abbreviations and references**2.1 Abbreviations**

Abbreviation	Definition
CR	Conventional Rail
ERA	European Railway Agency
RST	Rolling stock
TEN	Trans-European network
TSI	Technical Specification for Interoperability
UIC	Union Internationale des Chemins de Fer

2.2 References

Ref. N°	Document Reference	Last Issue
[1]	Commission Decision 2006/861/EC concerning the technical specification of interoperability relating to the subsystem 'rolling stock — freight wagons' of the trans-European conventional rail system CR RST – Freight Wagon Hereafter: 'WAG TSI'	28 th July 2006
[2]	Commission Decision 2009/107/EC amending Decisions 2006/861/EC and 2006/920/EC concerning technical specifications of interoperability relating to subsystems of the trans-European conventional rail system. Hereafter: 'the Decision'	23 rd January 2009

3. Particular description of the subject

The design and product assessment of the composite brake blocks are open points in the WAG TSI [1] according to Annex P, sections 1.10 and 2.10

The WAG TSI has been amended by the Commission Decision 2009/107/EC [2], which entered into force on the 1st of July 2009. Thereby those two open points are closed for wagons meeting the conditions defined in Section 7.6.4. of the Decision.

According to Commission Decision 2009/107/EC, article 1.(a).(2) ERA has to publish as Technical Document the list of “fully approved composite brake blocks for international transport“ based on the information submitted by UIC according to contract ERA/2008/IU/WAG TSI/1.

4. List of fully approved K composite brake blocks

Pos. N°	Producer	Type (organic/sintered)	Nominal wheel diameter	Maximum axle load	Approved configurations	Approval period	
			(mm)	(t)		from	to
1	CoFren	C810 (organic)	920	22,5	2xBg , 2xBgu	15/10/2003	14/10/2013
2		former Cosid 810			1xBgu ¹⁾	31/03/2011	28/02/2021
3	CoFren	C333 (sintered)	920	22,5	1xBgu ¹⁾	08/07/2011	30/06/2021
4	Honeywell	J816M (organic) full name: Jurid 816 M	920	22,5	2xBg , 2xBgu	01/07/2005	30/06/2015
5	CoFren	C810 (organic) former Cosid 810	840	17,5	2xBg ¹⁾ Max. speed empty 120 km/h Max. speed laden 100 km/h Individual block force betw. 5,5 and 14,5 kN Axle load between 7,5 and 17,5 t	08/08/2011	31/07/2021
6	CoFren	C810 (organic) former Cosid 810	840	18,0	2xBg ¹⁾ Max. speed empty 120 km/h Max. speed laden 100 km/h Individual block force betw. 8,7 and 12,2 kN Axle load between 7,5 and 18,0 t	01/02/2012	31/01/2022
7	Honeywell	J816M (organic) full name: Jurid 816 M	840-730	17,5	2xBg ¹⁾ Max. speed empty 120 km/h Max. speed laden 100 km/h Individual block force betw. 5,5 and 14,5 kN Axle load between 7,5 and 17,5 t	01/07/2012	30/06/2022

1) Approval for S-braked wagons

European Railway Agency

Rolling Stock - Freight Wagon - Subsystem

Pos. N°	Producer	Type (organic/sintered)	Nominal wheel diameter	Maximum axle load	Approved configurations	Approval period	
			(mm)	(t)		from	to
8	Frenoplast	FR 513 (organic)	920	22,5	2xBg ¹⁾ It is recommended to supervise the wear of wheels and blocks during the first application	01/07/2012	30/06/2022

1) Approval for S-braked wagons

5. Updating

This Technical Document shall be updated by the Agency.

In particular, the list of fully approved composite brake blocks will be updated to reflect the results of UIC approval of new composite brake blocks.

Member States shall be informed by the Commission according to the procedure mentioned in Art.1a paragraph 4. of the Decision 2009/107/EC.