

Last update: 01/03/2014

Translation

Appendix to the 3rd edition of the leaflet (November 2006):

Brakes -

Regulations concerning the manufacture of brake components -

Self-adjusting load-proportional braking system and automatic
"empty-loaded" control device

- **Appendix D of UIC leaflet 541-04:**
" Self adjusting load-proportional braking systems with a characteristic inflected curve approved for international traffic "
- **The tables on this website:**
 - ⇒ are updated regularly,
 - ⇒ correspond to the date of update indicated above



International Union of Railways

Appendix D - Self adjusting load-proportional braking system with a characteristic inflected curve approved for international traffic

Manufacturer	Type of valve with a characteristic inflected curve	Certified with:		Technically approved since	Comments
		Distributor	Pneumatic relay		
Knorr-Bremse	KKV-1_	KE_ ^{a)}	RLV11d_	01/07/2004	
DAKO	DLV3	CV1D, CV1nD	DAKO DSS	01/07/2004	
Faiveley	SW-CI	C3W, SW4, SW4-C oder SW4/3	VCAV	01/04/2006	
Knorr-Bremse	KKV-20	KE_ ^{a)}	EDU x11	21/06/2007	
		ESH 100 ^{b)}	EDU x11 or ALR 150-140		
		ESt3f/HBG300	ALR 150-140		
MZT-Hepos	MKV-20	MH 3f / HBG 310/300	MZT AKR SS/20	04/06/2008	
Faiveley Transport	SW-CI	SW4S or SW4S/3	VCAV	15/02/2014	

^{a)} distributor approved against UIC 543, appendices E1 and E2

^{b)} Certification tests carried out with ASH distributor without rapid discharge valve; this fact under the new designation of the type ESH 155

Record of updates:

Date of-update:	Body:	Decision:
07/04/2004	CTR-Steering committee	Creation of an Internet site for UIC approved components ; removal of the corresponding appendices from UIC leaflets
01/10/2004	SC Braking and Running Gear; July 2004 session	1st publication on the UIC website of tables drawn from UIC leaflet 541-04, 2nd edition, Appendix D; Certification KKV-1_ Certification DLV3
15/05/2006	SG 5 „Braking and Running Gear“ March 2006 session;	Certification SW-CI
01/11/2007	SG 5 „Braking and Running Gear“ June 2007 session	Certification KKV-20
18/10/2010	SET 7 "Braking" June 2008 session	Certification MZT-Hepos MKV-20
15/02/2014	SET 7 "Braking" January 2014 session	Certification SW4S and SW4S/3