

Brakes - Regulations concerning the manufacture of brake components - Self-adjusting load-proportional braking system and automatic "empty-loaded" control device

Frein - Prescriptions concernant la construction des différents organes de frein - Appareil de freinage autovisible en fonction de la charge et dispositif de commande automatique de l'appareil "vide-charge"
Bremse - Vorschriften für den Bau der verschiedenen Bremsteile - Automatische Lastabbremmung und automatische Lastwechseleinrichtung "leer - beladen"



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Record of updates

1st edition, July 1992	First issue and 3 amendments (No. 1 dated 1.7.94, No. 2 dated 1.7.95 and No. 3 dated 1.1.97).
2nd edition, July 2004	Addition of points 2.1.4 and 4.8, amendment to point 5, addition of appendices D and F. Update of table in Appendix C (II-Pneumatic) following the conclusions of the Study Group 04 (January 2003)
3rd edition, November 2006	Reissue with publication of the Appendices C, D and E on the UIC website
4th edition, October 2014	Complete overhaul of leaflet to align contents with EN 15611, EN 15624 and EN 15625.

The person responsible for this leaflet is indicated in the UIC Code

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Summary

With the continuing development of European standards (ENs), the content of the UIC leaflets (in this case *UIC Leaflet 541-04, 4th edition*) needs to be aligned with that of the ENs covering the same ground (in this case *EN 15611, EN 15624 and EN 15625*), in order to eliminate duplication and any deviation of content.

Where justified, any content deviating from or additional to the relevant ENs is mentioned in the present *UIC Leaflet 541-04, 4th edition*.

1 - Scope of application

This leaflet lays down the requirements for self-adjusting load-proportional braking devices, empty/loaded changeover devices, and continuously-operative automatic load-sensing devices (weigh valves) for indirect compressed-air brakes in accordance with *EN 14198* (see [Bibliography - page 11](#)).

Proof that a product meets the requirements hereafter is the basis for the awarding of a UIC Seal of Approval/UIC Label for vehicle components, in accordance with the requirements of *UIC Leaflet 541-00* (see [Bibliography](#)).

The use of distributor valves meeting the requirements of *EN 15355* and *UIC Leaflet 540* (see [Bibliography](#)) is a prerequisite.

The requirements apply to devices fitted to new-build and retrofitted vehicles to be used in international traffic.