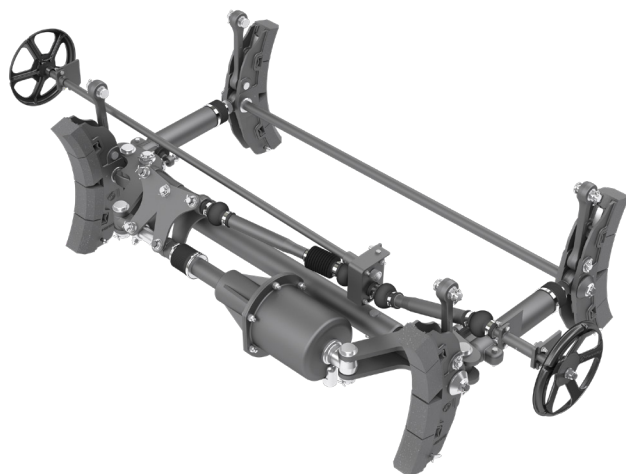




COMPACT BRAKE FAMILY

The most versatile and lightest product range on the Market



SYSTEM PERIMETER AND TARGET APPLICATIONS

Offers an advantageous alternative to conventional brake systems that is not only easy and fast to install and maintain, but also adaptable to any bogie and freight wagon application.

Fits to new and retrofited assets.

KEY FUNCTIONS

Compact brake main function is to produce brake force application simultaneously on all wheels and to ensure automatic gap adjustment between wheels and brake blocks when the brake is released.

The unique adaptable gauge BFCB feature keeps the best of the well known and proven BFCB technology while providing easy and quick gauge adaptation.

KEY CUSTOMER BENEFITS

50% fewer wheel defects vs. traditional brake rigging, optimizing wagon availability

Lighter product permits higher payload up to 1 ton/wagon

Constant performance (0,95% efficiency)

Optimized maintenance with no preventive maintenance between overhauls. Reduced block and wheel wear. Easy access to each individual component for repair and overhaul (LRU). Included in VPI module 07.

Easy and quick to install and disassemble

WAGON KEEPERS

CAR BUILDERS

•

•

•

•



•

•





NORMS/VALIDATION

- TSI WAG certified (NoBo SB + SD modules)
- Designed and validated according UIC 541-1
- Shock and Vibration tested to IEC 61373 category 2

SPECIFICATIONS AND FEATURES

CHARACTERISTICS	IBB10	BFCB PUSH	NORMATIVE REFERENCE / REMARKS
			
Standard			
Weight service brake	180 kg	208 kg	
Weight hand brake	218 kg	255 kg	
Maximum block force (@ 3,8 bar)	38 kN	50kN	
Installation	< 0,5 h	< 0,5 h	
Market introduction	2015	1999	
Fleet	> 15 000 units in EU	> 15 000 units around the globe	
Maintenance	VPI Module 07 – Appendix 20	VPI Module 07 – Appendix 18	
Overhaul and repair	<ul style="list-style-type: none"> • BC and SA removable for overhaul in workshops • Beams and shoe holder can remain on bogie • Essential parts BC and SA accessible on tracks (LRU) 	<ul style="list-style-type: none"> • BFC removable for overhaul in workshops • Beams and shoe holder can remain on bogie • Essential parts (BFC) accessible on tracks (LRU) 	
Parking Brake option	V	V	
Climatic conditions	-40°C / + 70°C	-40°C / + 70°C	
Color	RAL 9005 (standard)	RAL 9005 (standard)	
Gauge Compatibility			
Narrow Gauge		●	1000 mm
Standard Gauge	●	●	1435 mm
Finnish Gauge	●	●	1520 mm
Ukranian Gauge	●	●	1524 mm
Irish Gauge	●	●	1600 mm
Iberica Gauge	●	●	1668 mm
Indian Gauge		●	1676 mm

VERSATILITY

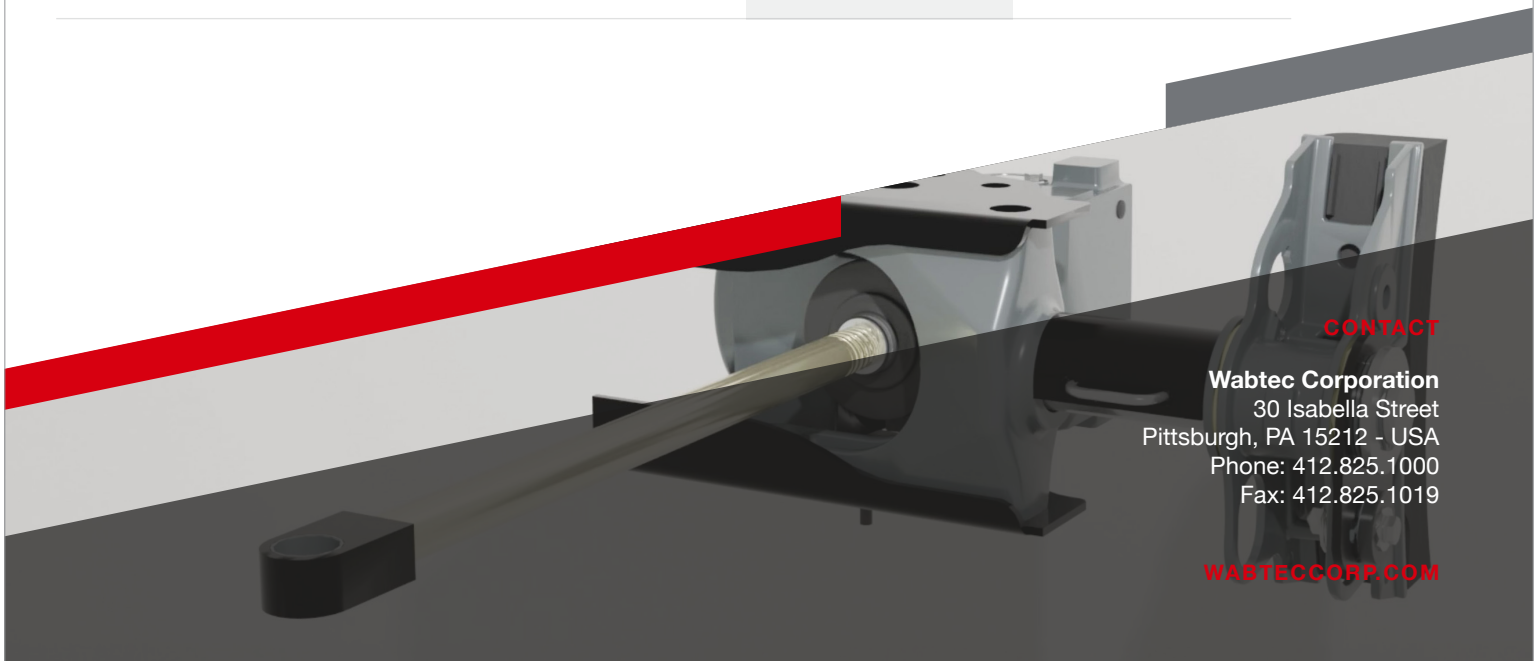
	IBB10	BFCB PUSH	BFCB CLASP	BFCB PUSH LOW
				
Y25/27 bogie series	V	V	V	
Y33 bogie series	V	V	V	
TF20/TF25 bogie series		V		
AMIII		V	V	
AAR Barber bogie series		V		
Casnub bogie series		V		
K17/19		V		V
Single axle wagon platforms			V	

VARIABLE GAUGE, A NEW AND UNIQUE FEATURE

The unique adaptable gauge BFCB feature keeps the best of the well known and proven BFCB technology while providing easy and quick gauge adaptation to increase assets utilization allowing seamless multi-gauge freight wagon operation

KEY CUSTOMER BENEFITS

	WAGON KEEPERS	CAR BUILDERS
Increased assets' utilization	●	
Lower installation costs		●
Ease logistics, reducing wagon delivery costs		●



CONTACT

Wabtec Corporation
 30 Isabella Street
 Pittsburgh, PA 15212 - USA
 Phone: 412.825.1000
 Fax: 412.825.1019

WABTECCORP.COM