Focus on functions

In the first step, we adopted the customer's viewpoint and divided the braking system into functional segments: "Supply", "Actuation", "Interaction", "Control", "Adhesion", "Friction", "Couplers" and "Comfort". Then we selected around 120 products that are central to their respective systems and assigned them to these segments.

"Supply" includes those products that supply the brake pressure, such as compressors. "Actuation" includes the mechanical brake force actuators, such as the calipers, while "Interaction" comprises the products at the human-machine interface, such as motion controller kits for the driver's cab. The "Control" segment covers brake control and management products. "Adhesion" encompasses products related to wheel/rail contact, such as sanding systems and wheel slide protection, "Friction" includes the brake disc and friction material, "Coupling Systems" stands for the couplings between trainsets and between the cars within a train, while "Comfort" comprises functions such as leveling control.

This rigid allocation process has not been introduced for its own sake. It forms the basis for a coherent naming structure that can also be applied to future products. The market name itself can comprise up to four component parts: First, there is the product family name (e.g. "Axle") plus a description of the function (e.g. "Act"). This is followed by any differentiation within the product family – e.g. "Classic". Thus, "AxleAct Classic" designates the conventional axlemounted brake caliper, while "AxleAct Compact", for example, designates the compact axle-mounted brake caliper. Our high-value brands, such as our distributor valves KE or DB60, will retain their product names on account of their historical significance.

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NEW NAMES FOR BRAKES

LOGICAL, INTUITIVE, CUSTOMER-ORIENTED

MES

Always see things from the customer's viewpoint

As the global market leader for braking systems, Knorr-Bremse has a product portfolio that is as broad as it is diversified. Today, in the Rail Vehicle Systems division, that portfolio numbers more than 5,000 main brake components. Keeping a clear overview is quite a challenge. But that's not just due to the sheer number of products. It's also because the product names mainly date back to when they were first introduced and are often made up of letters and numbers.

In the course of a comprehensive naming project, Knorr-Bremse has created Market Names for the main brake components in its Rail portfolio. The basic assumption was that the names should be logical, intuitive and customeroriented, and they should clearly reflect and signpost the "everything-fromone-source" approach that is so crucial for Knorr-Bremse.

With this new underlying logic, we are making it far easier to navigate through our portfolio, because the new naming concept is based on the core 'systems approach' adopted by Knorr-Bremse, as well as on the intuitive perception of the functions of the individual products.

Naming is far more than a formality. To enable the new names to leverage their full added value, they have to be lived and used. Please help us to make this happen!

Dr. Nicolas Lange Chairman of the Management Board of Knorr-Bremse Systeme für Schienenfahrzeuge GmbH

M. Seiner

Mario Beinert Member of the Management Board of Knorr-Bremse Systeme für Schienenfahrzeuge GmbH



SUPPLY SEGMENT

DESCRIPTION		MARKET NAME
Air Compressors		Piston / ScrewSupply
Piston Compressor	LP, V, VV	PistonSupply
Piston Compressor oilfree	VT, VVT	PistonSupply Eco
Screw Compressor	SL	ScrewSupply
Air Dryers		DrySupply
Air Dryer	LTE, LTZ	DrySupply Classic
Air Dryer Locomotive	LTZ2.2, LTZ3.2	DrySupply Max
Adaptive Control Air Dryer	iLTZ	DrySupply Smart
Adaptive Control Air Dryer	LD-1000	DrySupply Smart Max
Locomotive		
Air Supply Units		AirSupply
Air Supply Unit	ASU	AirSupply Unit
Intelligent Air Supply Unit	iASU	AirSupply Smart
Air Supply Control		SupplyControl
Intelligent Air Control	iAC	SupplyControl Smart
Inverter	Inverter DC/AC	SupplyControl Direct

CONTROL SEGMENT

DESCRIPTION Brake Control Units

Brake Control Units	
Brake Control Unit	EP2002 family
Brake Control Unit	EPC 3.0
Brake Control Unit	EPC
Brake Control Unit	EPC-L
Brake Control Unit	EP-BGE-II
Brake Control Unit	EP-BGE, all other BGE
Brake Control Unit	CCB-3
Brake Control Unit	CCB-II (Variants), CCB-26, BPC, MBS
Brake Control Unit	BGE, ZGE for BP Control (mainly
	Multiple Units, Special Vehicles)
Pantograph Control Unit	
Pantograph Control Unit	Type A1, A2, B1, B2
Brake Control Electronics	
Brake Control Electronics	ESRA Evolution
Brake Control Electronics	ESRA
Distributor Valves	
Distributor Valves	KEf
Distributor Valves	KE
Distributor Valves	DB60
Electro Hydraulic Units	EHU
Electro Hydraulic Unit	HGK
Electro Hydraulic Unit	HGE, HGES
Electro Hydraulic Unit	HGD, HGDS
Electro Hydraulic Unit	HGA-70, HGF
Modular Electro Hydraulic Unit	i3HU
Auxiliary Release Units	EDHL, HLE, HLEM

ADHESION SEGMENT

DESCRIPTION		MARKET NAME
Wheel Slide Protection		WheelGrip
Wheel Slide Protection	MGS2	WheelGrip Classic
Wheel Slide Protection	MGS3	WheelGrip Adapt
Sanding Systems		SandGrip
Mechanic Sanding Unit	SDM1, SDG1	SandGrip Mechanic
Pneumatic Sanding Unit	SEB, SEJ, SD, SDP2, SDN14, SEJ14,	SandGrip Pneumatic
	SDN31.1	
Sanding Accessories	SKD, FFL, MOS, SAM, SIM, VSD5,	SandGrip Accessories
	VSD8, SK1, FLM1, SFS, SHR, Sand	
	Boxes, Modules	
Cleaning Brake Units	PZ, PX6	TreadGrip

DESCRIPTION Brake Caliper

Conventional I (wheel mount Compact Brake (wheel mount Conventional I (axle mounted Compact Brake (axle mounted Conventional I (axle mounted Brake Cylinder Brake Cylinder

Tread Brake

Tread Brake U Tread Brake U Brake Cylinder Slack Adjuster Compact Brake

Hydraulic Cal

Hydraulic Acti Hydraulic Floa Hydraulic Calip Elastic-mounte Hydraulic Calip Magnetic Tra

Main Line Arti Light Rail Vehi Light Rail Vehi Eddy Current

Eddy Current

Eddy Current B Magnetic Tra

INTERACTION SEGMENT

DESCRIPTION		MARKET NAME
Motion Controller Kits		MotionLead
Master Controller	FM	MotionLead Master
Traction Controller	FT	MotionLead Traction
Brake Controller	FB	MotionLead Brake
Brake Controller	FB11, ZB11, FZ	MotionLead Basic
Wiper & Wash Systems		VisionLead
WiperWash Electric	EBS-1/2, EAS, EDS	VisionLead Electric
WiperWash Electro-pneumatic	EPBS, PBX, PHX	VisionLead Pneumatic
WiperWash Mechanic	WPE1, Wiper Arm, Wiper Blade, Wash	VisionLead Accessories
	Water Tank, WRS1, Filler Flap	

	MARKET NAME
	WheelGrip
S2	WheelGrip Classic
S3	WheelGrip Adapt
	SandGrip
M1, SDG1	SandGrip Mechanic
, SEJ, SD, SDP2, SDN14, SEJ14,	SandGrip Pneumatic
N31.1	
D, FFL, MOS, SAM, SIM, VSD5,	SandGrip Accessories
08, SK1, FLM1, SFS, SHR, Sand	
es, Modules	
PX6	TreadGrip

MARKET NAME

CubeControl

FlexControl

Cube / Flex / MaxControl

FlexControl Modular

FlexControl Lite

FlexControl Basic

MaxControl Classic

MaxControl Basic

FlexControl Fit

MaxControl

PantoControl

PantoControl

SysControl

SysControl

ESRA

KE, DB60

KE Classic

HydroControl Basic

HydroControl Classic

HydroControl Level

HydroControl Aux

HydroControl Smart

HydroControl Compact

DB60 HydroControl

ACTUATION SEGMENT

ON		MARKET NAME
er Units		Wheel / AxleAct
al Brake Caliper Unit	RZU, RZD	WheelAct Classic
nted)		
ake Caliper Unit	RZTM, RZTS, RZTXS, RZKT	WheelAct Compact
nted)		
al Brake Caliper Unit	WZU, WZD	AxleAct Classic
ed)		
ake Caliper Unit	WZT, WZKT	AxleAct Compact
ed)		
al Brake Caliper Unit	WZPF6	AxleAct Passive
ed)		
ler	i.e. U-Cylinder, Compact Cylinder	BasicAct Cylinder
ler	PF6	BasicAct Cylinder Passive
e Units		TreadAct
Unit	PEC7	TreadAct Compact
Unit	PC7, PC5, PSC7	TreadAct Classic
ler Freight	BG	TreadAct Cylinder
er Freight	DRV	TreadAct Adjuster
akes for Freight Cars	CFCB, TMB60, BMBS, Alpac, Slapcac,	TreadAct Freight
	KBX	
alipers		HydroAct
ctive Caliper	HF1A, HF2A, HSE1A, HSE2A, HS1A, HS2A	HydroAct Active
oating Caliper	HS1P, HSC1P, HS2P	HydroAct Floating
aliper Lever Type Design	HC1P	HydroAct Lever
nted Hydraulic Caliper	HCE1P, HSE1P, HSE2P	HydroAct Movable
aliper Unit	WZH, RZH	HydroAct Unit
rack Brakes		MagnetAct
rticulated Magnet	GRIP	MagnetAct Flex
hicle Articulated Magnet	TORO	MagnetAct Flex Compact
hicle Rigid Magnet	MORE	MagnetAct Rigid
nt Brakes		EddyAct
it Brake	iECB, EWB154R	EddyAct
it Brake	iECB + control	EddyAct Smart
rack Brake Control	iRCB, MMBC	MagnetControl

FRICTION SEGMENT

DESCRIPTION		MARKET NAME
Brake Discs		Ultra / Pro / LightDisc
Wheel Mounted Brake Disc (Steel)	RLS	UltraDisc Wheel
Wheel Mounted Brake Disc (Steel)	RLSL	UltraDisc Wheel Lite
Wheel Mounted Brake Disc	RLG	ProDisc Wheel
(Gray Cast Iron)		
Wheel Mounted Brake Disc (Alu)	RLA	LightDisc Wheel
Axle Mounted Brake Disc (Steel)	WPS, WXS, WMS,	UltraDisc Axle
	WLS, FPS, FMS	
Axle Mounted Brake Disc Advanced	WPSR	UltraDisc Axle Plus
(Steel)		
Axle Mounted Brake Disc	WPG, WPK, WLG,	ProDisc Axle
(Gray Cast Iron)	WXG, WMK, FPG,	
	FPK, FMK	
Axle Mounted Brake Disc Advanced	WPGR	ProDisc Axle Plus
(Gray Cast Iron)		
Axle Mounted Brake Disc (Alu)	WPA	LightDisc Axle
Brake Pads/Blocks		UltraPad / ProPad, ProBlock
Sinterpad	Flexpad, Pentaflex, Tetraflex	UltraPad Flex
Sinterpad	Isobar	UltraPad Extreme
Organic Brake Pad	Propad	ProPad
Organic Brake Block	Problock	ProBlock
Pads for Magnetic Track Brakes		MagnetBar
Pads for Magnetic Track Brake		MagnetBar
(Cast Iron)		
Pads for Magnetic Track Brake (Steel)		MagnetBar Classic
Pads for Magnetic Track Brake (Sinter)		MagnetBar Prime

COUPLERS SEGMENT

DESCRIPTION	MARKET NAME
Automatic Couplers (Passenger)	AutoLink
Digital Automatic Coupler (Freight)	FreightLink
Semi-Permanent Couplers (Passenger)	ShortLink
Adapter / Rescue Couplers (Passenger)	RescueLink

COMFORT SEGMENT

DESCRIPTION		MARKET NAME
Hydraulic Leveling Cylinder	HLC	LevelEase
Suspension Leg	FB	HydroEase
Shock Absorber		ShockEase