

New SAF Axle Generation for 9 and 11 t Loads

From August 2005 SAF will be gradually introducing a new weight-optimised axle generation with disc and drum brakes. Typical for the new axle generation is the proven maintenance-free preset wheel bearing technology from the **INTEGRAL series**.

Further advantages of the new axle generation, which can be combined with both **INTRA** and **MODULAR** air suspension series, is a high-quality complete cathodic dip coating of the wheel hubs, 100% pre-prepared for ABS as well as the modern image which is based on the well-known **INTEGRAL series**.

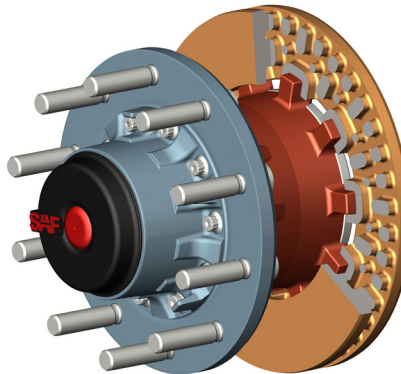
B-Series

With disc brakes for single wheels ET120



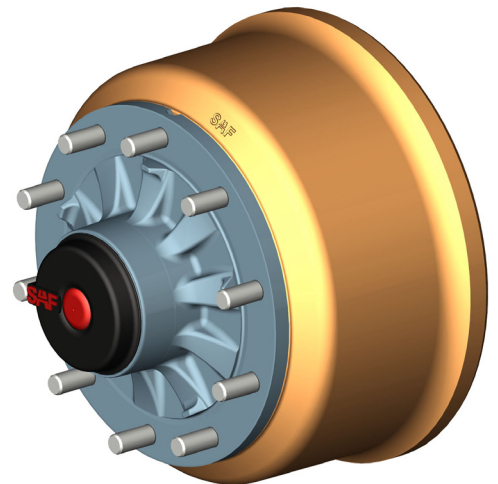
S- and Z-Series

with disc brakes for single ET0/twin wheels



S- and Z-Series

with drum brakes for single ET0/twin wheels



The new axle range with disc brakes at a glance (for example **INTEGRAL series**)

Axle capacity	Wheels	Tyres		Series		Axle		Test Reports	Brakes
		19.5	22.5	INTRA	MODUL	Rigid	Steering		
9 to	ET120	•	•	•	•	BI9-19K	BINL9-/BIVL9-19K	TDB0605	KNORR SB6 (SN)
		•	•	•	•	BI9-19W01	BINL9-/BIVL9-19W01	*	WABCO PAN19-1 (NG19)
		-	•	•	•	BI9-22K01	BINL9-/BIVL9-22K01	36110303	KNORR SB7 (SK)
		-	•	•	•	BI9-22W01	BINL9-/BIVL9-22W01	36110702	WABCO PAN22-1 (NG22)
	ET0	•	•	-	•	SI9-19K		TDB0605	KNORR SB6 (SN)
		•	•	-	•	SI9-19W01		*	WABCO PAN19-1 (NG19)
Twin	•	•	-	•	SI9-22K01		36110303	KNORR SB7 (SK)	
	•	•	-	•	SI9-22W01		36110702	WABCO PAN22-1 (NG22)	
11 to	ET0	-	•	-	•	SI11-22K01		36110203	KNORR SB7 (SK)
		-	•	-	•	SI11-22W01		36109402	WABCO PAN22-1 (NG22)
	Twin	•	-	-	•	ZI11-19K		TDB0606	KNORR SB6 (SN)
		•	•	-	•	ZI9-19W01		*	WABCO PAN19-1 (NG19)
		-	•	-	•	ZI9-22K01		36110103	KNORR SB7 (SK)
		-	•	-	•	ZI9-22W01		36110602	WABCO PAN22-1 (NG22)
Twin	•	-	-	•	ZI11-22K01		36110203	KNORR SB7 (SK)	
	-	•	-	•	ZI11-22W01		36110103	KNORR SB7 (SK)	
		-	•	-	•	ZI11-22W01		36110602	WABCO PAN22-1 (NG22)

* Test reports for the WABCO PAN19-1 (NG19) are not yet available. A separate information from SAF will be sent in time for the introduction of the new brake type.



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The new axle range with drum brakes at a glance

Axle Capacity	Wheels	Tyres	Series		Axle		Test reports	Brakes
			INTRA	MODUL	Rigid	Steering		
9 to	ET0	19.5	-	•	S9-3718	SL9-3718	TDB0459	SAF SNK 367x180
		22.5	•	•	S9-4218		TDB0381	SAF SNK 420x180
		22.5	-	•		SL9-4218	TDB0381	SAF SNK 420x180
	Twin	15 / 17.5	-	•	Z9-3020	ZL9-3020	TDB0487	SAF SNK 300x200
		19.5 / 22.5	-	•	Z9-3720	ZL9-3720	TDB0460	SAF SNK 367x200
		22.5	-	•	Z9-4218	ZL9-4218	TDB0483	SAF SNK 420x180
11 to	ET0	22.5	-	•	S11-4220	SL11-/SZL11-4220	TDB0455	SAF SNK 420x200
	Twin	15 / 17.5	-	•	Z11-3020	ZL11-3020	TDB0487	SAF SNK 300x200
		19.5	-	•	Z11-3720	ZL11-3720	TDB0460	SAF SNK 367x200
		22.5	-	•	Z11-4220	ZL11-/ZZL11-4220	TDB0456	SAF SNK 420x200

Test Reports and Homologations

The test reports for all disc and drum brakes are available from SAF or can be downloaded from the SAF homepage in the Internet. The test report numbers remain the same.

Please note that with the introduction of the new axle generation, the WABCO disc brakes will be updated to the new NG-Generation. The Test Report numbers for the WABCO PAN 22-1 (NG22) remain the same, however the Test Report will be updated. The Test Reports for the WABCO PAN19-1 (NG19) are not available yet; a series start is first planned for mid 2006. SAF will provide details about the new WABCO brakes in a separate "Important Information".

If the current axle types appear in the vehicle type approval, it should be updated to show the new axle type.

Introduction Dates and Procedure

The new axle generation will be introduced gradually. Your contact at SAF will coordinate with you on the exact introduction dates of the individual axle types.

Further Enquiries and Information

Your corresponding contact person is available for all further enquiries and information.

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New Type Codes from August 2005 for Disc Brake Axle Generation 9-11 to

XXX0-0X0	Tyres / wheels	S	Single wheels without offset
		B	Single wheels with offset
		Z	Twin wheels
XXX0-0X0	Type of brake disc	I	INTEGRAL technology
		(-)	Conventional brake disc
XXX0-0X0	Type of axle	(-)	Rigid axles
		NL	Self-steering axles
		VL	Self-steering axles
		ZL	Steering axles
XXX0-0X0	Axle load	9	9 tonnes axle load
		11	11 tonnes axle load
XXX0-0X0	Brake size	19	19.5" disc brake
		22	22.5" disc brake
XXX0-0X0	Brake manufacturer	K	KNORR
		W	WABCO
XXX0-0X0	Brake generation	(-)	
		01	

Current Axle Generation → Axle Generation from August 2005
 SKRB 9019 WI → BI9-19W01
 SKNLB 9019 KI → BINL9-19K

New Type Codes from August 2005 for Drum Brake Axle Generation 9-11 to

XX0-00	Tyres / wheels	S	Single wheels without offset
		B	Single wheels with offset
		Z	Twin wheels
XX0-00	Type of axle	(-)	Rigid axles
		L	Self-steering axles
		ZL	Steering axles
XX0-00	Axle load	9	9 tonnes axle load
		11	11 tonnes axle load
XX0-00	Drum diameter	30	300 mm
		37	367 mm
		42	420 mm
XX0-00	Brake shoe width	15	150 mm
		18	180 mm
		20	200 mm

Current Axle Generation → Axle Generation from August 2005
 SKRS 9037 → S9-3718
 SKRLZ 11030 → ZL11-3020