

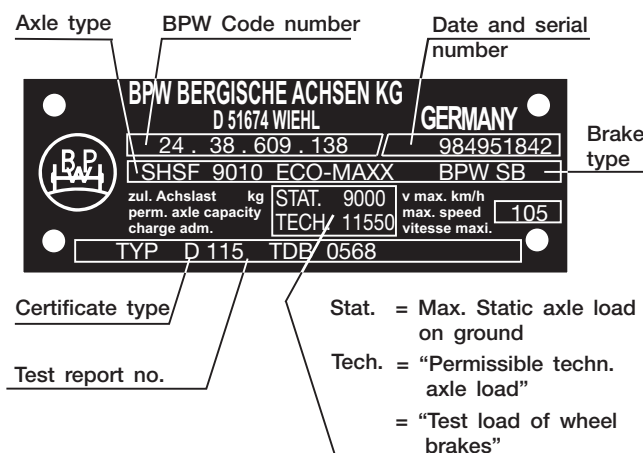


BPW Trailer axles and suspensions

BPW Type designations / Code number designations

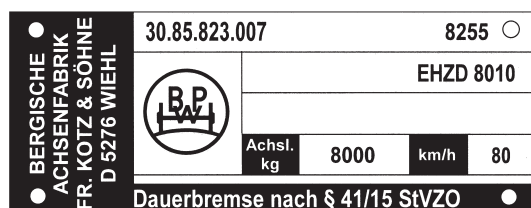
BPW type plate

The BPW type designation is composed of an alphabetic and a numeric group. The alphabetic group designates the type of axle and the suspension version including specification of the hub version. The axle load on the ground in kilogrammes and the number of wheel studs for one wheel hub (with disc wheel connection) are specified by the numeric group.



Riveted type plate:

Up to year of manufacture 1981

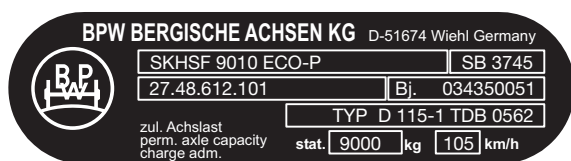


Up to year of manufacture 1999

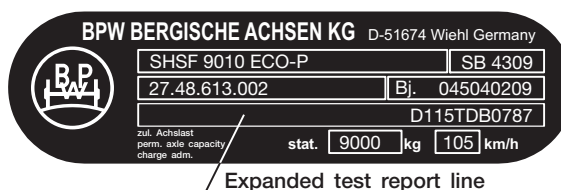


Self-adhesive type plate:

Up to year of manufacture 9/2004



Up to year of manufacture 10/2006



Current version



Explanation of BPW axle type codes: Trailer axles (extract)

Example:																					
H	S	F	H	LL	9010	/12°	ECO														
								Trailer axle													
								Series	Brake	Tyre	Year of manuf.										
E								E	■	SN 420	20" / 22.5" / 24"										
EH								EH	□	SN 420	20" / 22.5" / 24"	- 1981									
H								H	□	SN 420	20" / 22.5" / 24"	1982 -									
R								R	○	SN 420	20" / 22.5" / 24"	1982 -									
M								M	●	SN 420	20" / 22.5" / 24"	1982 -									
KH								KH	□	SN 360	19.5"	1988 -									
KR								KR	○	SN 360	19.5"	1985 -									
KM								KM	■	SN 360	19.5"	1985 -									
NH								NH	□	SN 300	15" / 17.5"(12")	1993 -									
NR								NR	○	SN 300	15" / 17.5"(12")	1982 -									
NRD								NRD	●	SN 300	15" / 17.5"(12")	1982 -									
NM								NM	■	SN 300	15" / 17.5"(12")	1982 -									
ZR								ZR	○	SN 300	15" / 17.5"(12")	1967-1982									
ZZ								ZZ	■	SN 300	15" / 17.5"(12")	(- 1982)									
SH								SH	□	SB 4345	20" / 22.5" / 24"	1996 -									
SH								SH	□	SB 4309	22.5"	5/2003 -									
SKH								SKH	□	SB 3745	19.5" (22.5")	1998 -									
	B							for single wheels, wheels with offset													
	S							for single wheels, wheels without offset													
	Z							for twin wheels													
	I							Wheel spiders for Trilex wheel rims; single wheels													
	IZ							Wheel spiders for Trilex wheel rims; twin wheels													
		F						Wheel studs M 22x1. 5 without wheel nuts; order wheel nuts for stud or spigot alignment separately													
		M						for spigot alignment / Alloy wheels													
			(D)					(German „Dauerbremse“ approval StVZO regulation 41 para 14) - 1990													
			H					for hanging boosters													
				L				Power steering axle		Steering angle max. 45°											
				LL				Self steering axle, series LL		Steering angle max. 20°											
				LS				Self steering axle, series LS		Steering angle max. 20°											
				P				Swivel axle													
				ST				Axle stub													
						6006 to 20010		Axle load + quantity of wheel studs per hub													
							-1		Type of hub bearing												
							-15 to -24		Axle beam wall thickness												
							/12° to /40°		Steering angle of steering axle												
Definition of symbols <table><tr><td>□</td><td>Square beam hollow axle</td></tr><tr><td>■</td><td>Square beam solid axle</td></tr><tr><td>○</td><td>Tubular axle</td></tr><tr><td>●</td><td>Round-section solid axle</td></tr></table>								□	Square beam hollow axle	■	Square beam solid axle	○	Tubular axle	●	Round-section solid axle	ECO	BPW trailer axle with ECO Unit				
								□	Square beam hollow axle												
								■	Square beam solid axle												
								○	Tubular axle												
								●	Round-section solid axle												
ECO MAXX	Weight-optimized ECO axle built as from 1997																				
MAXX	BPW trailer axle series H with helical fit wheel bolts																				
ECO ^{Plus}	BPW trailer axle with ECO ^{Plus} Unit																				
ECO Plus 2	BPW trailer axle with ECO Plus 2 Unit																				

BPW Type designations / Code number designations

Explanation of BPW suspension type codes: Air suspension (extract)

Example:												
HSF	ALO	A	LL	3/	9010	/12°	A	F30	ECO			
										Axle type		
H..										see explanation of BPW axle type codes page 3		
K..												
N..												
a.a.												
										Air suspension series	Ride-height	
	O									O	= straight overslung trailing arm	490 - 500
	OM									OM	= cranked overslung trailing arm	370 - 470
	OMN									OMN	= cranked overslung trailing arm	355
	OMT									OMT	= cranked underslung trailing arm	290
	OT									OT	= underslung trailing arm	220 - 360
	SLO									SLO	= straight overslung trailing arm	420 - 490
	SLM									SLM	= cranked overslung trailing arm	360 - 440
	SLU									SLU	= underslung trailing arm	220 - 330
	ALO									ALO	= straight overslung trailing arm	380 - 490
	ALM									ALM	= cranked overslung trailing arm	305 - 420
	ALMT									ALMT	= cranked overslung trailing arm	245 - 360
	ALU									ALU	= underslung trailing arm	175 - 300
	DLU									DLU	= air bags above trailing arm	260 - 320
	VO									VO	= two-fold bellows	
		A									with axle lift device	
		R									with frame (= ride high + 100 mm)	
		U									with U-stabilizer	
			L								with power steering axle	Steering angle max. 40°
			LL								with self steering axle, series LL	Steering angle max. 20°
			LS								with self steering axle, series LS	Steering angle max. 20°
				-							Single axle	
				2/							Tandem axle suspension	
				3/							Tri-axle suspension	
					6006 to 20010						Axle load + quantity of wheel studs per hub	
						/12° to /14°					Steering angle of steering axle	
							A				Alloy hanger bracket	
							C				with C-beam	
						D				Hanger bracket with top plate		
						E				Hanger bracket without top plate		
						G				Air bags with split piston		
						S				Taper mounted hanger brackets		
						T				with beam (draw axle)		
						V				Adjustable hanger brackets		
						Y				without mounted hanger brackets, hanger brackets separate		
							30			Air bag Ø 300 for stroke 200 (normal)		
							30-1			Ø 300 for stroke up to 340		
							30 K			Ø 300 for stroke 180		
							36			Ø 360 for stroke 200 (normal)		
							36-1			Ø 360 for stroke up to 340		
							36-2			Ø 360 for stroke up to 450		
							36 K			Ø 360 for stroke 180		
							F 30			Ø 300 central on the trailing arm		
							Z			Air bags loose, separately		
							ECO			BPW trailer axle with ECO Unit		
							ECO MAXX			BPW weight-optimized ECO axle built as from 1997		
							MAXX			BPW trailer axle series H with helical fit wheel bolts		
							ECO ^{Plus}			BPW ECO axle with ECO ^{Plus} Unit		
							ECO Plus 2			BPW ECO axle with ECO Plus 2 Unit		

Explanation of BPW suspension type codes: Mechanical suspensions (extract)

Example:									
HSF	VB	U	LL	3/	9010	/12°	KE	ECO	
									Axle type
H..									see explanation of BPW axle type codes page 3
K..									
N..									
a.a.									
	VA								Suspension series
	VB								VA Mechanical suspension with leaf springs mounted on movable bearings, with mechanical braking load compensation
	VBT								VB Mechanical suspension without braking load compensation. Leaf springs above the axle
	VG								VBT As above, but leaf springs below the axle
	VGT								VG Mechanical suspension without braking load compensation. Leaf springs above the axle, with cast supports
	VK								VGT As above, but leaf springs below the axle
	VKT								VK Mechanical suspension with mechanical braking load compensation via torque arm arrangement on the equalizer. Leaf springs above the axle
	VH								VKT As above, but leaf springs below the axle
	VHT								VH Suspension with hydraulic braking load compensation and optional auxiliary pneumatic springs. Leaf springs above the axle.
	VN								VHT As above, but leaf springs below the axle
	SS								VN Mechanical suspension with mechanical braking load compensation via pull rods
	W								SS Schmitz self-tracking suspension system
	BW								W Tandem axle assembly, rigid, with two-leaf springs and support axle, bearing blocks between the leaf springs
	GW								BW Tandem axle assembly, rigid, with two-leaf springs and support axle, bearing blocks above the leaf springs, with bronze bushes
	U								GW Tandem axle assembly, rigid, with two-leaf springs and support axle, bearing blocks above the leaf springs, with rubber bushes
	Q								with U-stabilizer
	L								with rectangular section stabilizer
	LL								with power steering axle Steering angle max. 40°
	LS								with self steering axle, series LL Steering angle max. 20°
	-								with self steering axle, series LS Steering angle max. 20°
	2/								Single axle
	3/								Tandem axle suspension
	6006 to 20010								Tri-axle suspension
									Axle load + quantity of wheel studs per hub
							/12° to /14°		Steering angle of steering axle
							B	Exec. index B (reinforced)	
							C	C	
							HD	HD Heavy-Duty-execution	
							E	E Equalizer bearing with bronze bushes	
							K	K	
							KE	KE Equalizer bearing with bronze bushes	
							L	L (reinforced)	
							LE	LE Equalizer bearing with bronze bushes	
							M	M (reinforced)	
							ME	ME Equalizer bearing with bronze bushes	
							ECO	BPW trailer axle with ECO Unit	
							ECO MAXX	BPW weight-optimized ECO axle built as from 1997	
							MAXX	BPW trailer axle series H with helical fit wheel bolts	
							ECO ^{Plus}	BPW ECO axle with ECO ^{Plus} Unit	
							ECO Plus 2	BPW ECO axle with ECO Plus 2 Unit	

BPW Type designations / Code number designations

Explanation of BPW suspension code numbers: Air suspension (extract)

Example:				
21. 61.	08. 38.	714. 441.	001 001	
				1st + 2nd digits
				Axle / suspension Wheel brake
21.				Single axle with suspension parts SN 300 / 360 / 420
28.				
30.				
38.				
				Single axle with suspension parts but without air bags, air bags separately
61.				SN 420 / SB 4345 / SB 4309
64.				Single axle with suspension parts SN 360 / SB 3745
67.				SN 300
22.				Tandem axle suspension SN 300 / 360 / 420
32.				
62.				SN 420 / SB 4345 / SB 4309
65.				Tandem axle suspension SN 360 / SB 3745
68.				SN 300
23.				Tri-axle suspension SN 300 / 360 / 420
29.				
32.				
39.				
63.				SN 420 / SB 4345 / SB 4309
66.				Tri-axle suspension SN 360 / SB 3745
69.				SN 300
				3rd + 4th digits
				Axle load per axle
06.				6000 - 6500 kg
08.				8000 - 9000 kg
09.				
10.				10000 - 12000 kg
14.				13000 kg
36.				6500 kg ECO Unit
38.				8000 - 9000 kg ECO Unit
40.				10000 - 12000 kg ECO Unit
44.				13000 kg ECO Unit
48.				8000 - 9000 kg ECO ^{Plus} Unit
50.				10000 - 12000 kg ECO ^{Plus} Unit
58.				8000 - 9000 kg ECO Plus 2 Unit
65.				6500 kg
				5th - 7th digits
				Designation of ride height and air bag version 220. to 509. in the case of ref. number 61... to 69...
				Ride height e.g. 22 = 220 mm ride height
				44 = 440 mm ride height
				Air bag version ..0 = Air bag BPW 30 (Ø 300 mm)
				..1 = Air bag BPW 36 (Ø 360 mm)
				..2 = Air bag BPW 36-1 (Ø 360 mm)
				..3 = Air bag BPW 30-1 (Ø 300 mm)
				..4 = Air bag BPW 30 K (Ø 300 mm)
				..5 = Air bag BPW 36 K (Ø 360 mm)
				..6 = Air bag BPW 36-2 (Ø 360 mm)
				..9 = Air bag BPW 30 / 36 / 36-1 loose separately
				Designation of wheel brake in the case of ref. number 20... to 39...
				see pages 9 - 10
				8th - 10th digits
001				Consecutive number 000 - 999

Explanation of BPW code numbers: Axles and suspensions (extract)

Example:							
61.	38.	441.	001				
				1st + 2nd digits			
				Axle / suspension	Wheel brake	Axle series	Tyres
20.				Single axle without suspension parts			
21.				Single axle with suspension parts			
22.				Tandem axle suspension			
23.				Tri-axle suspension			
24.				Single axle without suspension parts (since 1997 ECO MAXX)			
25.				Single axle without suspension parts			
26.				Steering axle (since 1997 ECO MAXX)			
27.				Single axle without suspension parts			
28.				Single axle with suspension parts			
29.				Tri-axle suspension			
30.				Single axle with or without suspension parts			
31.				Single axle (solid) without suspension parts			
32.				Tandem or tri-axle suspension			
33.				Tandem swivel axle suspension / Tandem or tri-axle suspension (solid)			
34.				Swivel axle			
35.				Axle stub			
36.				Steering axle			
38.				Single axle with suspension parts but without air bags, air bags separately			
39.				Tri-axle suspension			
61.				Single axle with air suspension parts	SN 420 / SB 4345 / SB 4309	H.. / R..	20" / 22.5"
62.				Tandem axle air suspension	SN 420 / SB 4345 / SB 4309	H.. / R..	20" / 22.5"
63.				Tri-axle air suspension	SN 420 / SB 4345 / SB 4309	H.. / R..	20" / 22.5"
64.				Single axle with air suspension parts	SN 360 / SB 3745	KH.. / KR..	19.5"
65.				Tandem axle air suspension	SN 360 / SB 3745	KH.. / KR..	19.5"
66.				Tri-axle air suspension	SN 360 / SB 3745	KH.. / KR..	19.5"
67.				Single axle with air suspension parts	SN 300	NH.. / NR..	15" / 17.5" (12" / 19.5")
68.				Tandem axle air suspension	SN 300	NH.. / NR..	15" / 17.5" (12" / 19.5")
69.				Tri-axle air suspension	SN 300	NH.. / NR..	15" / 17.5" (12" / 19.5")
98.				Set of suspension parts	Air suspension without axles		
99.				Set of suspension parts	Air suspension without axles		

BPW Type designations / Code number designations

Explanation of BPW code numbers: Axles and suspensions (extract)

Example:							
32.	08.	714.	299				
32.				1st + 2nd digits see page 7			
				3rd + 4th digits			
				Axle load per axle	Roller bearings	Axle series	Year of manuf.
	06.			6000 - 6500 kg	33116 / 32310	H.. / R.. / KH.. / KR.. / NH.. / NR..	1982 -
	08.			8000 - 9000 kg	33116 / 32310	H.. / R.. / KH.. / KR.. / NH.. / NR..	1982 -
	09.						
	10.			10000 - 12000 kg	33118 / 33213	H.. / R.. / KH.. / KR.. / NH.. / NR..	1982 -
	14.			13000 - 14000 kg	32219 / 33215	H.. / KR:: / NR..	1983 -
	16.			16000 - 18000 kg	32222 / 32314	H..	1983 -
	20.			20000 kg	32224 / 32316	H..	1983 -
	36.			6500 kg	33116 / 32310	H.. / R.. / KH.. / KR.. / NH.. / NR.. ECO	1991 - (1992 -)
	38.			8000 - 9000 kg	33116 / 32310	H.. / R.. / KH.. / KR.. / NH.. / NR.. ECO	1991 - (1992 -)
	40.			100000 - 12000 kg	33118 / 33213	H.. / R.. / KH.. / KR.. / NH.. / NR.. ECO	1991 - (1992 -)
	44.			13000 kg	32219 / 33215	H.. ECO	1994 -
	48.			8000 - 9000 kg	33118 / 33213	H.. / SH.. / KH.. / SKH.. / NH.. ECO ^{Plus}	2000 - 8/2007
	50.			10000 - 12000 kg	33118 / 33213	H.. / SH.. / KH.. / SKH.. / NH.. ECO ^{Plus}	2000 -
	58.			8000 - 9000 kg	33118 / 33213	H.. / SH.. / KH.. / SKH.. / NH.. ECO Plus 2 9/2007	-
	63.			5500 kg	33212 / 33208	R.. / NR.. / SNR..	4/2006 -
	64.			6000 kg	30313 / 32309	EH..	- 1980
	65.			6500 kg 6400 kg	33215 / 32310 33215 / 32310	EH.. KR..	1980 - 1982 1985 -
	68.			7250 kg	30315 / 32310	EH..	- 1964
	69.			8000 kg	30315 / 32310	EH..	- 1967
	71.			10000 kg	30317 / 30314	EH	- 1967
	72.			12000 kg	33118 / 33213 32219 / 33215 32222 / 32314 32219 / 33215	EH.. 12000-2 EH.. 12000-1 EH.. 12000 ZZ.. 12010-1	1977 - 1982 - 1983 - 1983 - 1983
	73.			13000 / 13900 kg	32219 / 33215	EH.. 14000-1 ZR.. 13000	- 1983 - 1983
	74.			14000 kg	32222 / 32314	EH..	- 1983
	76.			9000 kg	33215 / 32310	EH.. / ZR..	1967 - 1982
	80.			11000 kg	33217 / 33213	EH..	1966 - 1982
	81.			7350 kg	30315 / 32310	EH..	1964 - 1967
	83.			6000 kg (6300 kg)	33213 / 33209	ZR..	1967 - 1983
84.			7350 kg	33215 / 32310	EH..	1967 - 1982	
85.			8000 kg	33215 / 32310	EH.. / ZR..	1967 - 1982	
86.			10000 kg	33217 / 33213	EH.. / ZR..	1966 - 1982	
87.			20000 kg	32224 / 32316	EH..	- 1983	
89.			16000 kg	32222 / 32314	EH..	- 1983	

Definition			
SN	S-cam shaft	KWG	short brake camshaft
SB	Disc brake	BA	with brake equalization
HWG	half-size brake camshaft		

Explanation of BPW code numbers: Axles and suspensions (extract)

Example:								
32.	08.	714.	299					
32.				1st + 2nd digits see page 7				
	08.			3rd + 4th digits see page 8				
			5th - 7th digits					
			Brake	Dimension	Type	Brake lining	Year of manuf.	
	101. to 108.		SN 4216	Ø 420 x 160 mm	Alloy brake shoes	18 mm	- 1974	
	109. to 116.		SN 4218	Ø 420 x 180 mm	Alloy brake shoes	18 mm	- 1974	
	117. to 125.		SN 4220	Ø 420 x 200 mm	Alloy brake shoes	18 mm	- 1974	
	200. to 509.		Designation of ride hight and air bag version in the case of ref. number 61.... to 69.... (see air suspensions)				1988 -	
	500.		SN 3010 HWG closed	Ø 300 x 100 mm	Brake BPW 95	18 mm	1995 -	
	501.		SN 3015 HWG closed	Ø 300 x 150 mm	Brake BPW 95	18 mm	1995 -	
	502.		SN 3020 HWG closed	Ø 300 x 200 mm	Brake BPW 95	18 mm	1995 -	
	505.		SN 3015 HWG open	Ø 300 x 150 mm	Alloy brake shoes	13 mm 18 mm	1966 - 1973 1973 - 1978	
	511.		SN 3015 KWG closed	Ø 300 x 150 mm				
	512.		SN 3015 HWG closed	Ø 300 x 150 mm				
	513.		SN 3015 KWG/BA closed	Ø 300 x 150 mm				
	518.		SN 3020 KWG open	Ø 300 x 200 mm				
	519.		SN 3020 HWG open	Ø 300 x 200 mm				
	525.		SN 3020 KWG closed	Ø 300 x 200 mm				
	526.		SN 3020 HWG closed	Ø 300 x 200 mm	Quick-release brake shoes / wedge plates	18 mm	1995 -	
	532.		SN 5020 HWG closed	Ø 500 x 200 mm				
	542.		SN 3616 HWG closed	Ø 360 x 160 mm				
	545.		SN 3620 KWG closed	Ø 360 x 200 mm	Brake BPW 95	18 mm	1995 -	
	546.		SN 3620 HWG closed	Ø 360 x 200 mm				
	551.		SN 3616 HWG closed	Ø 360 x 160 mm	Brake BPW 95	18 mm	1995 -	
	552.		SN 3620 HWG closed	Ø 360 x 200 mm				
	581.		SN 3015-1 KWG closed	Ø 300 x 150 mm	Brake shoes with closed eye	18 mm	1978 - 1989	
	582.		SN 3015-1 HWG closed	Ø 300 x 150 mm				
	583.		SN 3015-1 KWG/BA closed	Ø 300 x 150 mm				
	584.		SN 3015-1 HWG/BA closed	Ø 300 x 150 mm				
	585.		SN 3020-1 KWG closed	Ø 300 x 200 mm				
	586.		SN 3020-1 HWG closed	Ø 300 x 200 mm				
	587.		SN 3020-1 KWG/BA closed	Ø 300 x 200 mm				
	588.		SN 3020-1 KWG open	Ø 300 x 200 mm	Quick-release brake shoes / wedge plates		1989 -	
	589.		SN 3020-1 HWG open	Ø 300 x 200 mm				
592.		SN 3015 HWG closed	Ø 300 x 150 mm	Disc brake		1996 - 4/2003		
596.		SN 3020 HWG closed	Ø 300 x 200 mm					
609.		SB 4345 (axial)	Ø 430 mm	Disc brake		1996 - 4/2003		
610.		SB 3745 (axial)	Ø 370 mm					
612.		SB 3745 (tangential)	Ø 370 mm	Disc brake		5/2003 -		
613.		SB 4309 (tangential)	Ø 430 mm					
614.		SB 4345 (tangential)	Ø 430 mm	Disc brake		5/2003 -		
625.		SB 3308	Ø 330 mm					

BPW Type designations / Code number designations

Explanation of BPW code numbers Axles and suspensions (extract)

Example:									
32.	08.	714.	299						
32.				1st + 2nd digits see page 7					
	08.				3rd + 4th digits see page 8				
				5th - 7th digits					
				Brake	Dimension	Type	Brake lining	Year of manuf.	
		709.		SN 4218-2 KWG open	Ø 420 x 180 mm	Quick-release brake shoes / wedge plates	18 mm	1983 - 1995	
710.		SN 4218-2 HWG open	Ø 420 x 180 mm						
713.		SN 4218-2 KWG closed	Ø 420 x 180 mm						
714.		SN 4218-2 HWG closed	Ø 420 x 180 mm						
717.		SN 4220-2 KWG open	Ø 420 x 200 mm						
718.		SN 4220-2 HWG open	Ø 420 x 200 mm						
722.		SN 4220-2 KWG closed	Ø 420 x 200 mm						
723.		SN 4220-2 HWG closed	Ø 420 x 200 mm						
739.		SN 4222-2 HWG closed	Ø 420 x 220 mm						
741.		SN 4212 HWG closed	Ø 420 x 120 mm	Brake BPW 95	18 mm	1995 -			
743.		SN 4218 HWG closed	Ø 420 x 180 mm						
744.		SN 4220 HWG closed	Ø 420 x 200 mm						
745.		SN 4222 HWG closed	Ø 420 x 220 mm						
790.		SN 4212-2 HWG open	Ø 420 x 120 mm	Quick-release brake shoes / wedge plates	18 mm	1983 - 1995			
792.		SN 4212-2 HWG/BA open	Ø 420 x 120 mm						
793.		SN 4212-2 KWG closed	Ø 420 x 120 mm						
794.		SN 4212-2 HWG closed	Ø 420 x 120 mm						
796.		SN 4212-2 HWG/BA closed	Ø 420 x 120 mm						
802.		SN 4216-1 HWG open	Ø 420 x 160 mm						
806.		SN 4216-1 HWG closed	Ø 420 x 160 mm	Quick-release brake shoes with screwed brake pins	18 mm	1975 - 1983			
809.		SN 4218-1 KWG open	Ø 420 x 180 mm						
810.		SN 4218-1 HWG open	Ø 420 x 180 mm						
813.		SN 4218-1 KWG closed	Ø 420 x 180 mm						
814.		SN 4218-1 HWG closed	Ø 420 x 180 mm						
817.		SN 4220-1 KWG open	Ø 420 x 200 mm						
818.		SN 4220-1 HWG open	Ø 420 x 200 mm						
822.		SN 4220-1 KWG closed	Ø 420 x 200 mm						
823.		SN 4220-1 HWG closed	Ø 420 x 200 mm						
839.		SN 4222-1 HWG closed	Ø 420 x 220 mm						
889.		SN 4212-1 KWG open	Ø 420 x 120 mm						
890.		SN 4212-1 HWG open	Ø 420 x 120 mm						
893.		SN 4212-1 KWG closed	Ø 420 x 120 mm						
894.		SN 4212-1 HWG closed	Ø 420 x 120 mm						
896.		SN 4212-1 HWG/BA closed	Ø 420 x 120 mm						
				8th - 10th digits					
		000 to 999		Consecutive number in which details as to track, wheel connection, ABS (antiskid system) and AGS are defined.					

Definition			
SN	S-cam shaft	KWG	short brake camshaft
SB	Disc brake	BA	with brake equalization
HWG	half-size brake camshaft		

Notes:



BPW-Sachnr. 1183701e

