

Test Report

No. KB 652-BSN.5**for the evaluation of Annex I, item 2.2.2.8.1
of Directive 71/320/EEC****1 Technical characteristics of the brake**

Manufacturer:	BPW Bergische Achsen Kommanditgesellschaft D-51674 Wiehl
Model:	SN 4212 SN 4216 SN 4218 SN 4220 SN 4222
Type:	Simplex-brake with S-cam application
Technically permissible brake load $G_{Bo,c}$ (daN) ¹⁾ :	3570 4750 5100 5775 5775
Brake drum diameter:	420 mm
Brake lining	
- Make, -Type:	Textar, T 090
- Width (mm):	120 160 180 200 220
- Method of attachment:	Riveted
Brake lever with automatic adjusting device	
- Manufacturer:	BPW Bergische Achsen Kommanditgesellschaft D-51674 Wiehl
- Type:	AGS
Scope of application:	Trailers with power-braking system (com- pressed air) and pneumatic mechanical transmission
Diagram:	See sheet 2/2

2 Tests performed:

According to Annex II, item 1.3 (Type-I test) and 1.6 (Type-III test) of Directive 71/320/EEC in the version of Directive 98/12/EC taking account of vehicle category O with above mentioned brake linings and brake levers for each respective brake model SN 4212, SN 4216, SN 4218 and SN 4220.

¹⁾ Calculation with $g = 10 \text{ m/s}^2$

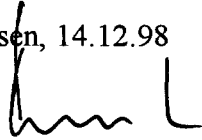


Manufacturer of the brake : BPW
 Type of brake lever : AGS

3 Test results:

After all the tests, a brake torque of 0 Nm was measured at a brake cylinder pressure of 0 bar and a brake drum temperature of < 100 °C.

Essen, 14.12.98

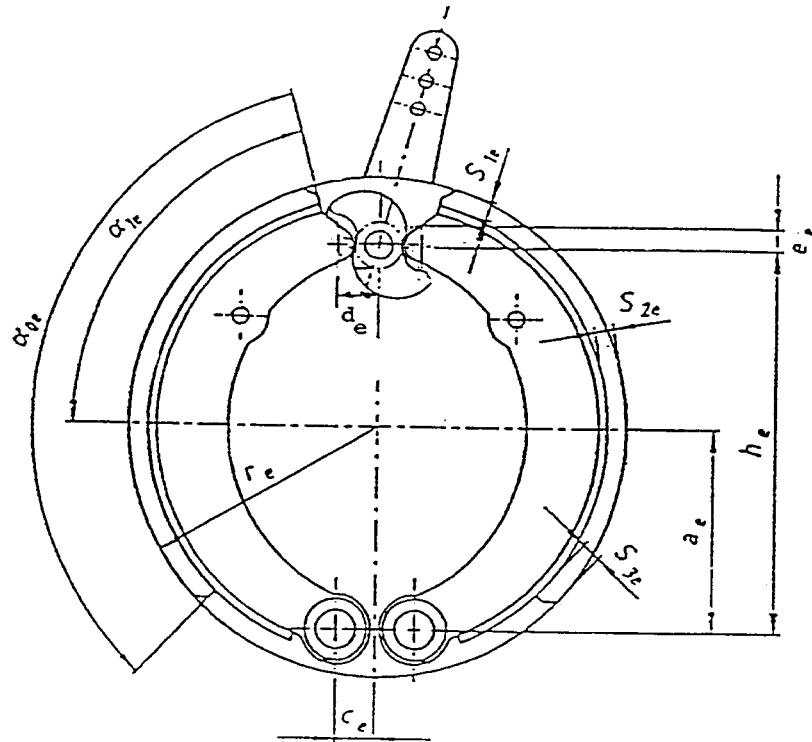


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 according to Directive 71/320/EEC in the
 version of Directive 98/12/EC

Brake diagram



- All dimensions - except α_{0e} , α_{1e} and F_e - in mm
- F_e = effective braking surface per brake in cm^2
- b_e = brake lining-width

Brake	a_e	h_e	c_e	d_e	e_e	α_{0e}	α_{1e}	b_e	r_e	F_e	S_{1e}	S_{2e}	S_{3e}
SN 4212	163,7	317,7	33	42	14	114°	70,5°	120	210	894	13	18	13
SN 4216	163,7	317,7	33	42	14	114°	70,5°	160	210	1224	13	18	13
SN 4218	163,7	317,7	33	42	14	114°	70,5°	180	210	1389	13	18	13
SN 4220	163,7	317,7	33	42	14	114°	70,5°	200	210	1554	13	18	13
SN 4222	163,7	317,7	33	42	14	114°	70,5°	220	210	1718	13	18	13