

Test Report

No. KB 935-BSN.1**for the evaluation of Annex I, item 2.2.2.8.1
of Directive 71/320/EEC**

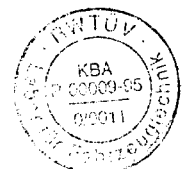
1 Technical characteristics of the brake

Manufacturer:	BPW Bergische Achsen Kommanditgesellschaft D-51674 Wiehl	
Model:	FL 4112 FL 4118	
Type:	Simplex-brake with cam application	
Technically permissible brake load $G_{Bo,e}$ ¹⁾ at driving speed		
- to 40 km/h:	5250 daN	6750 daN
- more than 40 km/h:	5000 daN	5500 daN
Brake drum diameter:	410 mm	
Brake lining		
- Make, -Type:	Textar, T 090	
- Width:	120 mm	180 mm
- 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 with $G_{Bo,e} = 5250 \text{ daN} | 6750 \text{ daN}$) and 1.6 (Type-III test with $G_{Bo,e} = 5000 \text{ daN} | 5500 \text{ daN}$) of Directive 71/320/EEC in the version of Directive 98/12/EC taking account of vehicle category O with above mentioned brake models, brake linings and brake levers.

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.

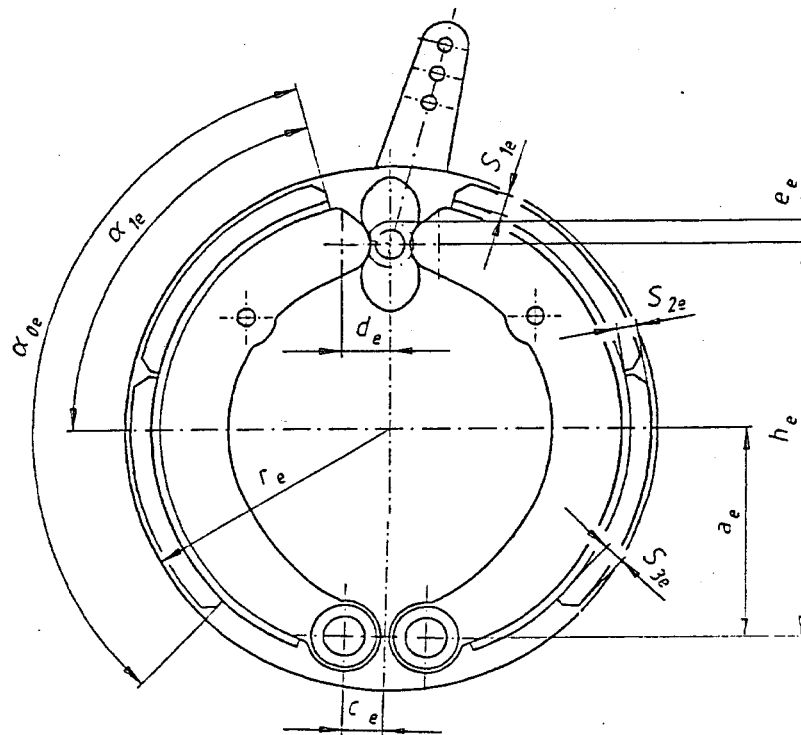
Essen, 08.11.99

[Signature]
 Dipl.-Ing. Kaesler



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 Testing Laboratory for Braking Systems
 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}
FL 4112	163,7	317,7	33	43,5	14	115°	70,5°	120	205	887	8,5	12	8,5
FL 4118	163,7	317,7	33	43,5	14	115°	70,5°	180	205	1331	8,5	12	8,5