

Characteristics:

Loading capacity at 5bar.....24kN
 Max. Loading capacity (at 7bar)...35kN
 Working pressure.....5bar
 Burst pressure.....21bar
 Design height.....275mm
 Volume (at 5bar and DH).....16.2dm³

Resistance to air and ozone:

Ozone ageing 50pphm/48h as per DIN53509...Estimate 0
 Ageing in air at 100(C.....3days

Measurement results of outer coating changes

Hardness.....+5ShA
 Modulus 100%.....+60%

Coating Dynamic fatigue

De MATTIA.....>1.000.000

Dynamical durability test

Pressure.....5bar
 Amplitude.....60% dHmax
 Frequence.....3±0.25Hz
 Persistence.....5.000.000 cycles

Resistance to external effects

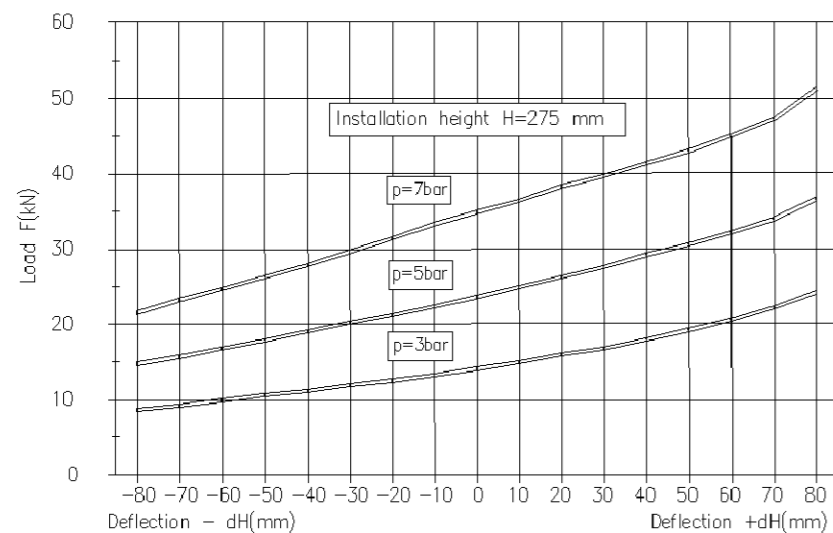
The air spring is resistant to:

- parafin oils,
- naphthene oils,
- party aromatic oils,
- 5% NaCl solution,
- vehicle cleaning agent,
- temperatures: -40° C to +50° C (test: 7days/100° C, 45'/120° C).

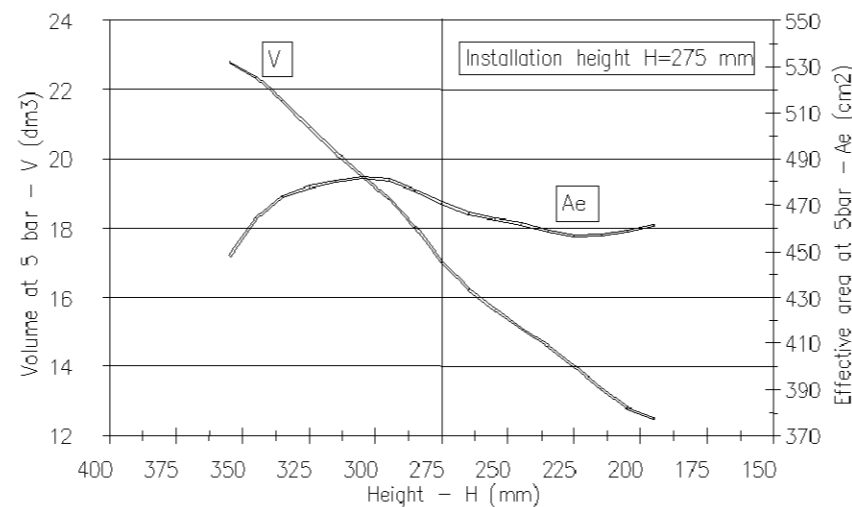
Field test:

- driven over 100.000km
- without visible damages either inside or outside.

Cushioning property of the air spring
896 130 117 4



Volume and eff. area of the air spring
896 130 117 4



02	Drawing number changed from 556038020 to 556039023	Mattweber						
Rev.	Modification	Revised by						
Drawing editioned by.....date.....20.....for MACHINING- ASSEMBLING-INFORMATION								
Dimensions without tolerances according to ISO 2768 mid	2000	Date	Name	Signature				
	Constr.by	jul.00	U. Mattweber					
Scale:	Drawn by:	jul.00	U. Mattweber					
	Checked by:	jul.00	M. Božič					
Weight(kg): 2.05	Revision:	01	02	03	04	05	06	07
	Date:	24.07.00	27.09.00					
Title:	Signature:							
	Belong to:	55603902360000_(wabco8961301174).dwg						
		K556039		023				
		Drawing number		Page				
WABCO 896 130 117 4 (Goodyear 8018)								