

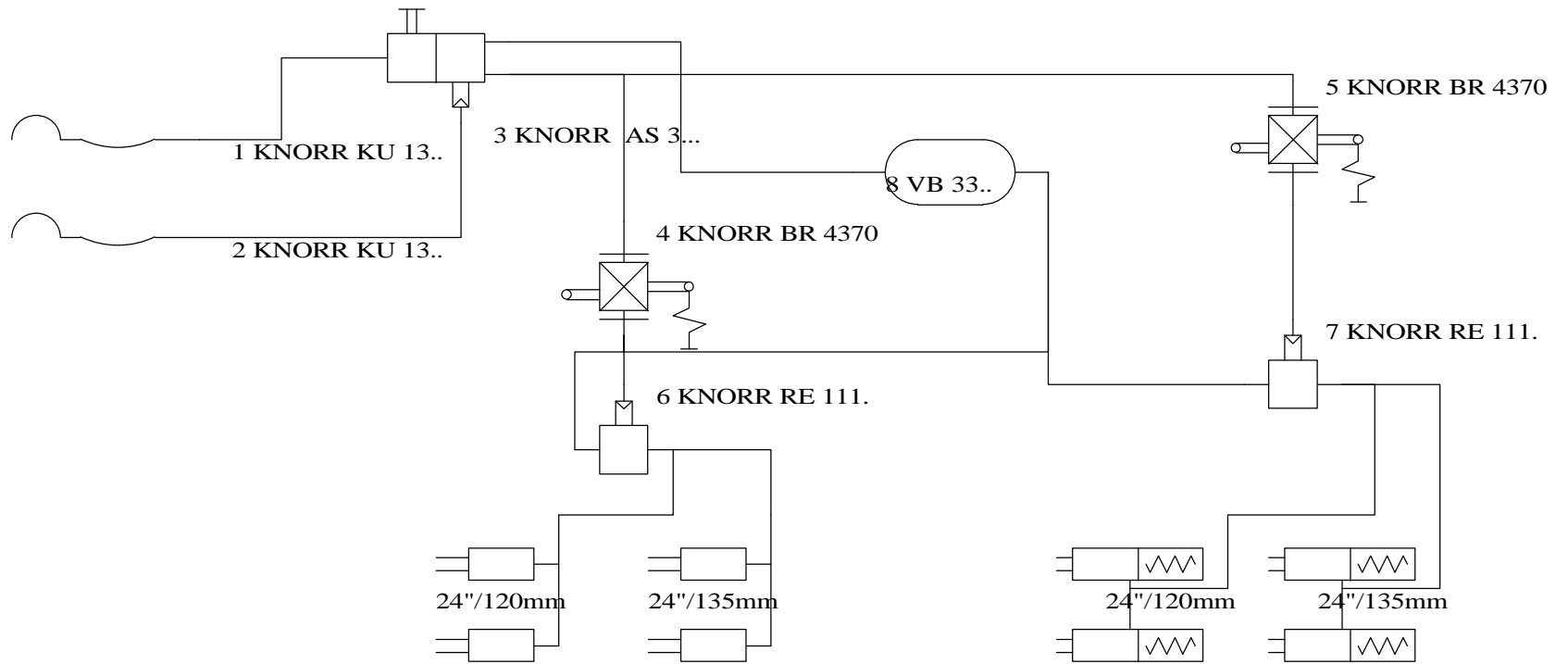
<p>Axle 1 ROR ROR Q 420x180 285/60R22.5 R dyn =441 mm 24" / 120mm</p>	<p>Axle 2 ROR ROR Q 420x180 285/60R22.5 R dyn =441 mm 24" / 135mm</p>	<p>Axle 3 ROR ROR Q 420x180 285/60R22.5 R dyn =441 mm 24" / 120mm</p>	<p>Axle 4 ROR ROR Q 420x180 285/60R22.5 R dyn =441 mm 24" / 135mm</p>
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<p>LSV-valve front axles: KNORR BR 4370 ALB i unloaded= 2,8 6,5 bar -&gt; 2.48 bar ALB i loaded= 0 6,5 bar -&gt; 0.00 bar</p>	<p>LSV-valve rear axles: KNORR BR 4370 ALB i unloaded= 3,2 6,5 bar -&gt; 2.22 bar ALB i loaded= 0 6,5 bar -&gt; 0.00 bar</p>
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- 1 KNORR KU 13.. Hose Coupling, Supply line (Red)
- 2 KNORR KU 13.. Hose Coupling, Control line (Yellow)
- 3 KNORR AS 3... Relay Emergency Valve
- 4 KNORR BR 4370 Load Sensing Valve
- 5 KNORR BR 4370 Load Sensing Valve
- 6 KNORR RE 111. Relay Valve
- 7 KNORR RE 111. Relay Valve
- 8 VB 33.. Air Reservoir

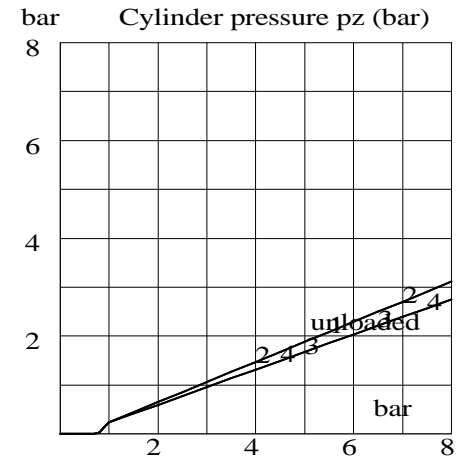
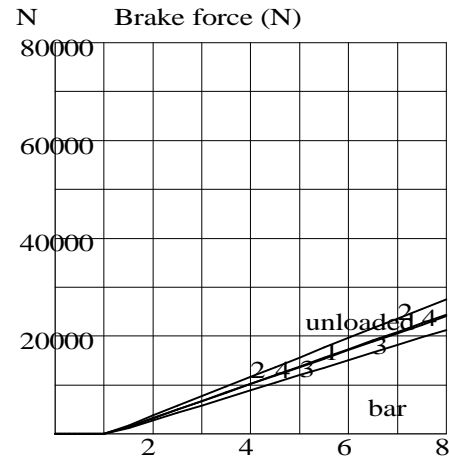
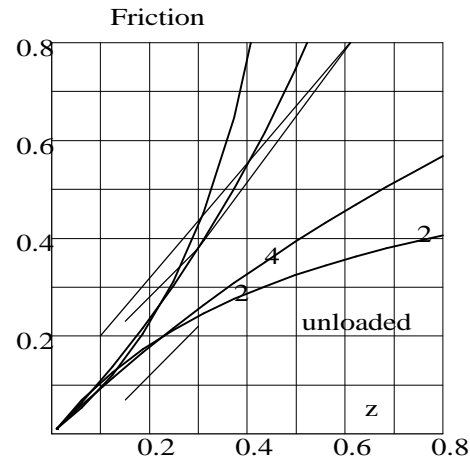
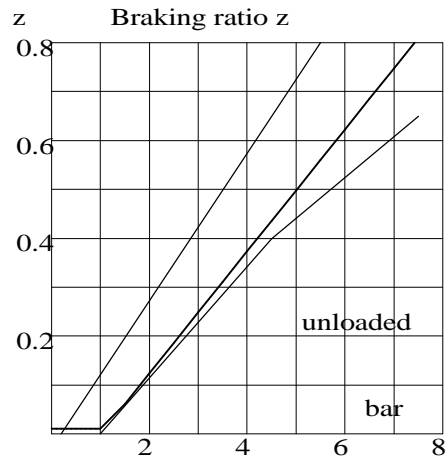
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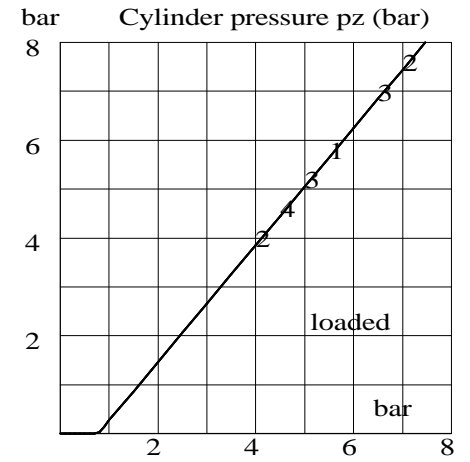
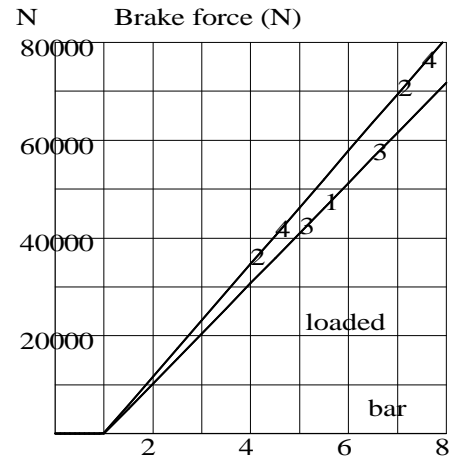
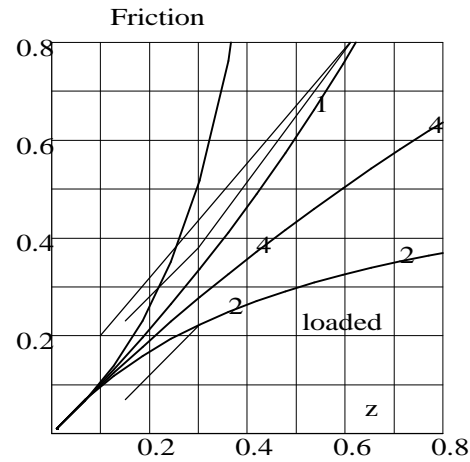
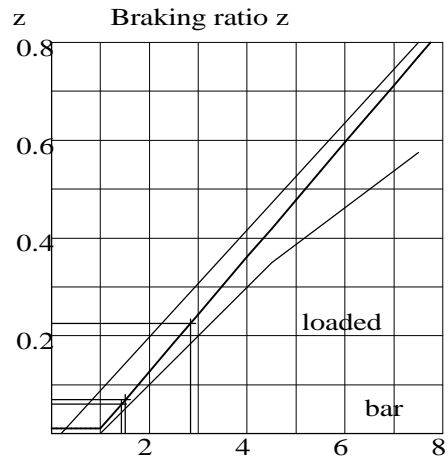
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BrakeWIN 2.0 0499

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unloaded ALB front axles:  $i = 2,8$  (6,5 bar  $\rightarrow$  2.48 bar) ALB rear axles:  $i = 3,2$  (6,5 bar  $\rightarrow$  2.22 bar)



loaded ALB front axles:  $i = 0$  (6,5 bar  $\rightarrow$  0.00 bar) ALB rear axles:  $i = 0$  (6,5 bar  $\rightarrow$  0.00 bar)

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## ANHANG VII Calculation

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Axle 1 ROR Q 420x180  
Prüfbericht: RDW 19140485 Ext I  
Axle 2 ROR Q 420x180  
Prüfbericht: RDW 19140485 Ext I  
Axle 3 ROR Q 420x180  
Prüfbericht: RDW 19140485 Ext I  
Axle 4 ROR Q 420x180  
Prüfbericht: RDW 19140485 Ext I  
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Test:            Typ I z=7%:            Typ II z=6% :  
                  pm=1,51                    pm=1,43  
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### Braking forces in Test I and Test II

Axle 1    T = 6053 = 5.06%Pe    T = 5231 = 4.37%Pe  
Axle 2    T = 6844 = 5.72%Pe    T = 5920 = 4.95%Pe  
Axle 3    T = 6151 = 5.14%Pe    T = 5330 = 4.45%Pe  
Axle 4    T = 6942 = 5.8%Pe     T = 6018 = 5.03%Pe  
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### Calculated actuator stroke (mm)

Axle 1    sp= 75mm    s= 38mm    s= 50  
Axle 2    sp= 75mm    s= 43mm    s= 56  
Axle 3    sp= 75mm    s= 38mm    s= 50  
Axle 4    sp= 75mm    s= 43mm    s= 56  
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### Actuator force (N) pm=6.5 bar

Axle 1    pz= 6.8433bar    ThA= 9521N    ThA= 9521  
Axle 2    pz= 6.8433bar    ThA= 9521N    ThA= 9521  
Axle 3    pz= 6.8433bar    ThA= 9521N    ThA= 9521  
Axle 4    pz= 6.8433bar    ThA= 9521N    ThA= 9521  
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### Brake force (N)

Axle 1    T II= 47672N    T II= 42357  
Axle 2    T II= 47672N    T II= 42357  
Axle 3    T II= 47770N    T II= 42455  
Axle 4    T II= 47770N    T II= 42455  
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### Braking rate of the vehicle

0.65      0.51      0.46  
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