WABCO

technical vehicle data
for the brake calculation of trailers

vehicle manufacturer: **type:**

approvel as per: **EG / ECE** ☐   **other** ☐   **max. speed** ☐

	designations			laden	unladen
centre-axle trailer					
	maximum mass	P	kg		
	drawbar load	P_{St}	kg		
	axleload axle 1	P_1	kg		
	axleload axle 2	P_2	kg		
	axleload axle 3	P_3	kg		
full trailer					
	maximum mass	P	kg		
	axleload axle 1	P_1	kg		
	axleload axle 2	P_2	kg		
	axleload axle 3	P_3	kg		
	centre of gravity-height	h	mm		
	exist wheel base	E_R	mm		
	range of wheel base	E_R	mm		
semitrailer					
	maximum mass min.	P	kg		
	maximum mass max.	P	kg		
	axleload axle 1	P_1	kg		
	axleload axle 2	P_2	kg		
	axleload axle 3	P_3	kg		
	centre of gravity-height	h	mm		
	exist wheel base	E_R	mm		
	range of wheel base	E_R	mm		

	axle:			1	2	3	
	brake chamber: numb./type	K_{DZ}					
	possible lever lengths	l_{BH}	mm				
	drum/disk radius	r_{Bt}	mm				
	C* or brakefactor						
	mechanical efficiency	η	%				
	cam radius	r_{Bn}	mm				
	dynamic tyre radius min.						
	or exist	r_{dyn}	mm				
	tyre type max.						
	threshold torque	M_{AL}	Nm				

axle manufact.:   **type:**   **test report number:**

brake size: *With "standard axles", only the manufacturer and the test report number necessary !*
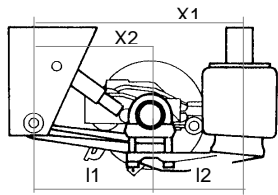
WABCO-brake diagram-no.:   *Axle bogie see page 2 !*

self steering axle: ☐   **spring brake:** ☐   **ABS VCS:** ☐   **EBS :** ☐

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technical vehicle data
for the brake calculation of trailers

axle bogie	manufacturer:	type:

air suspension

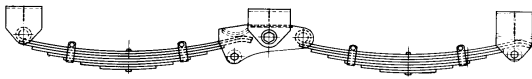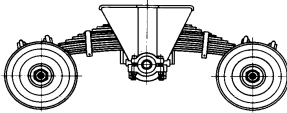|		
or	distance l1 / l2 [mm]:	/
	distance X1 / X2 [mm]:	/
	bag diameter [mm]:	
	drawing-no.:	

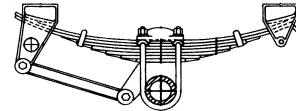**leaf spring bogie (with dyn. compensation)**
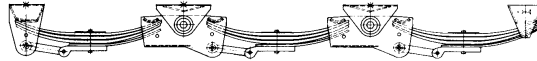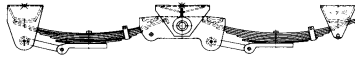
leaf spring bogie (without dyn. compensation)
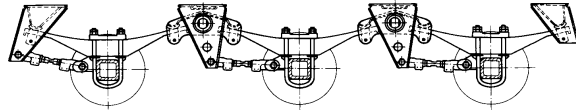
balance beam bogie	individual axles mechanical

In case of another axle suspension, please add bogie drawing !
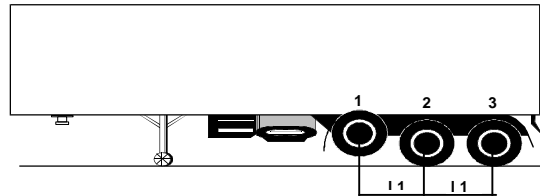
bag pressure [bar]:	laden / unladen	spring deflection [mm]:	
front axle:		front axle:	
rear axle(s):		rear axle(s):	

semitrailer with lift axle/s

In combination with EBS, data not required !

axle	1	2	3
which axle/s shall be lifted [x]:			
wheel base l1 [mm]:			
bag pressure laden [bar]:			
bag pressure unladen (with axle/s lifted) [bar]:			
bag pressure unladen (all axle/s on bottom) [bar]:			
axle load unladen (with axle/s lifted) [kg]:			
axle load unladen (all axle/s on bottom) [kg]:			

remarks:

company:	**street:**
name:	**city:**
telephone:	**telefax:**
e-mail:	