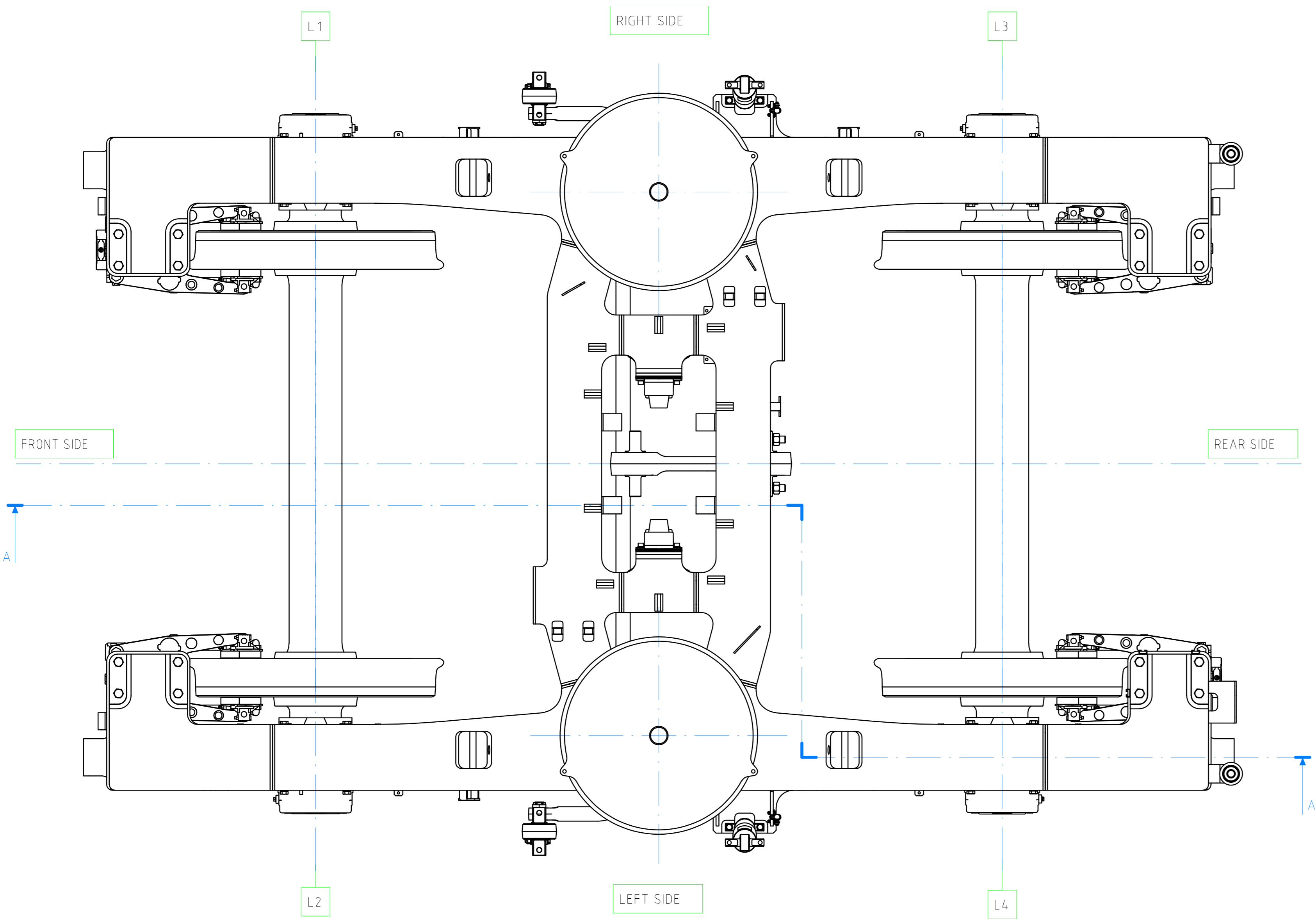
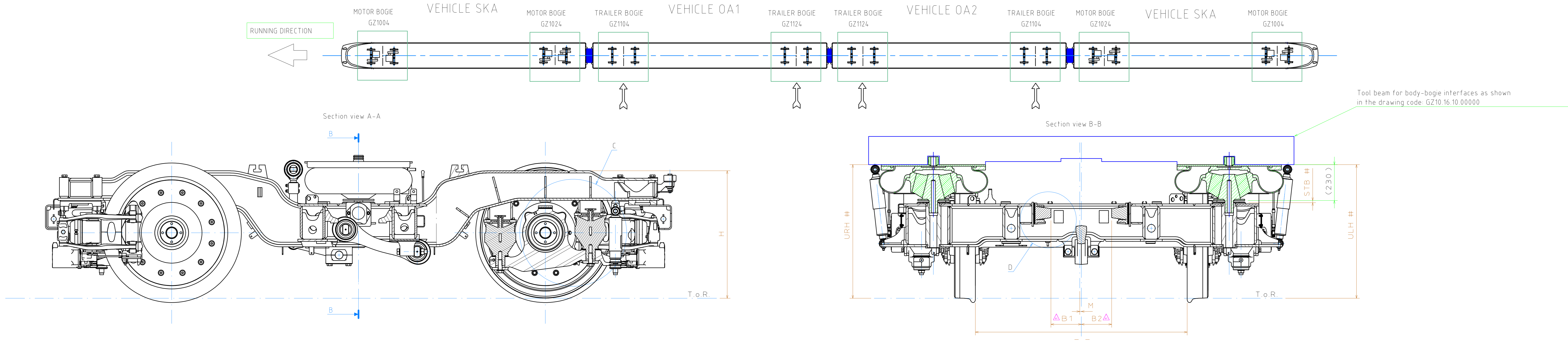


Train set 4 vehicles



BOGIE SHALL BE TESTED IN DEFLATED AIR SPRING CONDITION				
COMPONENTS	IDENTIFICATION N°			
	FRONT		REAR	
	Rh	Lh	Rh	Lh
AXLE				
WHEEL				
AXLEBOX				
PRIMARY SUSPENSION				
PRIMARY SUSPENSION VERTICAL DAMPER				
AIR SPRING				
BOGIE FRAME				
CENTRE PIVOT				
TRAILING ROD				
ANTI-YAW DAMPER				
SECONDARY SUSPENSION LATERAL DAMPER				
SECONDARY SUSPENSION VERTICAL DAMPER				
BRAKE DISC				
BRAKE CALLIPER				
BRAKE CALLIPER WITH PARKING BRAKE				
ANTI-ROLL BAR				
TIE ROD FOR ANTI-ROLL BAR				
BOGIE IDENTIFICATION N°		TESTER		
BOGIE WEIGHT Kg		DATE		

PRELIMINARY OPERATIONS BEFORE CHECK:

- bring the bogie under press and put safety block under each wheel;
- connect the tool beam to the bogie interface components (secondary suspension) Δ and through the press, load/unload the bogie for three times with the loads "A" (corresponding to the exceptional load on the bogie, including the tool beam weight);

A= 28154 kg / 27619 daN (mounted on carbodies OA1-OA2 - codes GZ1104 / GZ1124)

- after that decrease the test load "P" (corresponding to working order load on the bogie, including the tool beam weight) for at least 10", and proceed with the requested measurements;

P= 16120 kg / 15814 daN (mounted on carbodies OA1-OA2 - codes GZ1104 / GZ1124)

- after applying the bogie settling loads, check that the difference between the resulting wheel loads, both between wheels of the same axle and between alternating wheels (e.g., right front wheel with left rear wheel), should be $\leq 3\%$.

CONTROLS:

- when measurements operation are completed, reapply to the bogie a load "A", verify that there aren't interferences among bogie components;

INFORMATION NOTE:

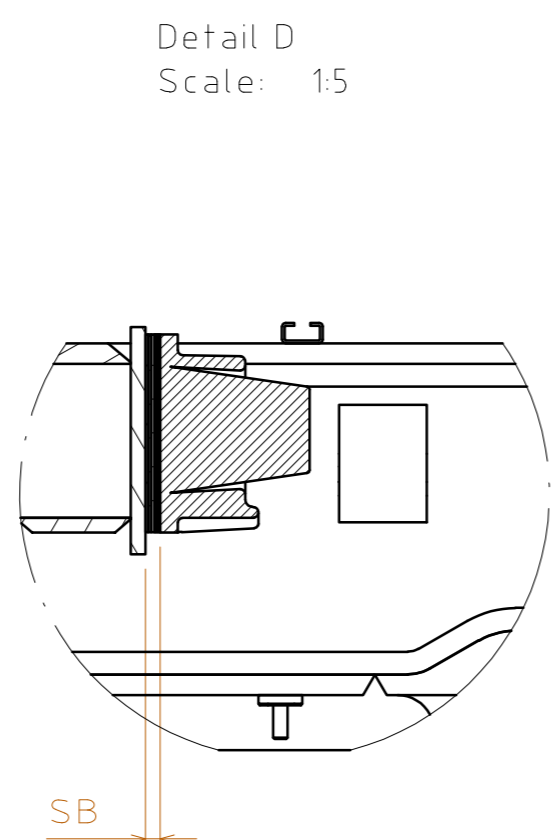
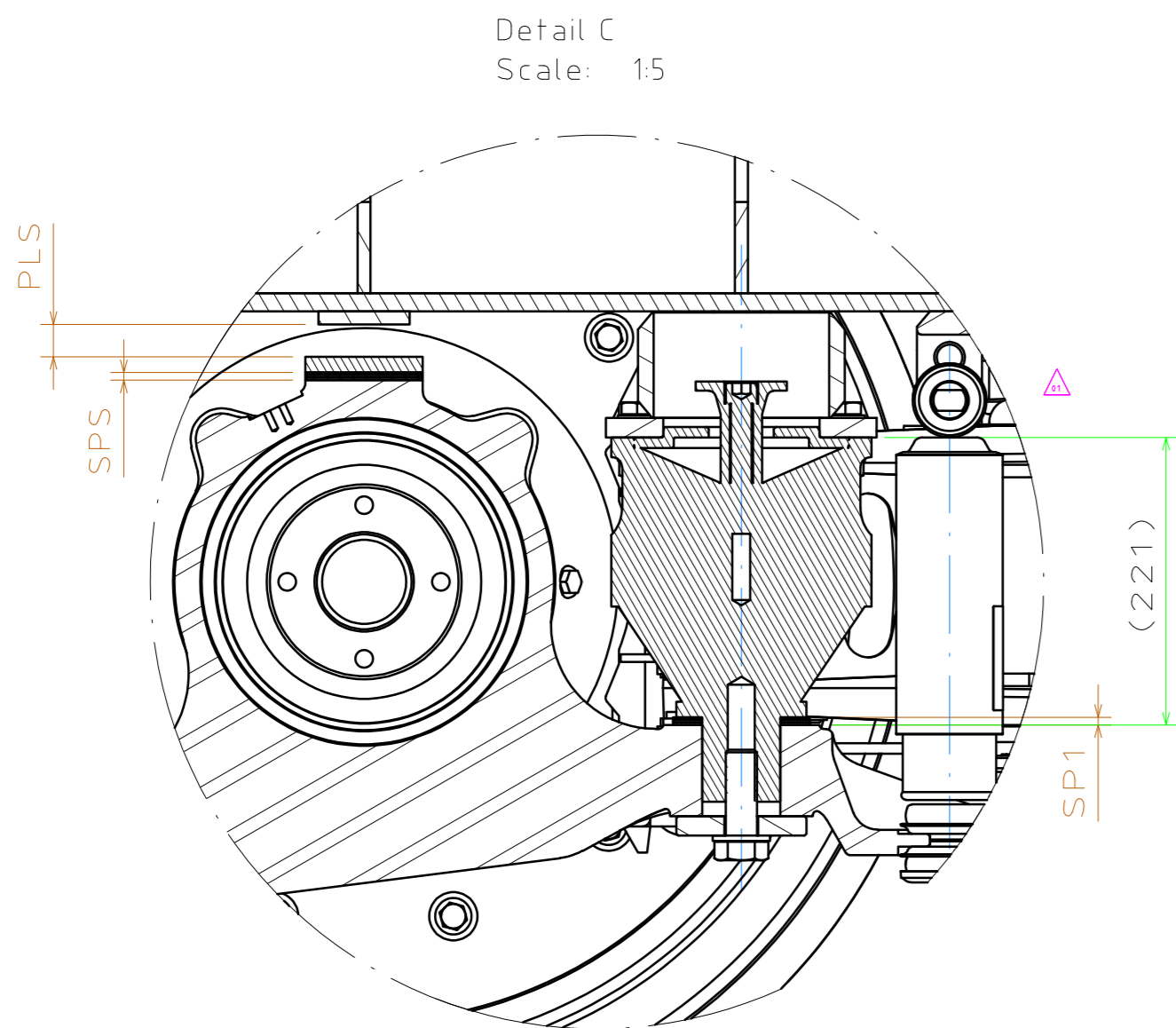
- all dimensions are referred to a bogie with new wheels.
- All controls shall be done with bogie located on a leveled track.

MEASUREMENT, SPECIFICATIONS AND NOTES FOR THE BOGIE												
REF.	DIMENSION (mm)			MEASURED DIMENSION (mm)								NOTES AND COMPONENTS REFERENCES
				RIGHT HAND				LEFT HAND				
	NOM	MIN	MAX	L1 FRONT		L3 REAR		L2 FRONT		L4 REAR		
				1	2	1	2	1	2	1	2	
URH and ULH	857	854	860					URH-ULH				For OA1-OA2
								±2				
STB Shim	14	0	28									COD. GZ10.16.11.00001
H	818	815	821									
PLS	25	22	28									
SPS Shim	6	0	12									
	sp.2	N°	3	N°		N°		N°		N°		COD. GZ10.04.05.90060
SP1 Shim (carbody OA1-OA2)	6	0	12									
	sp.1	N°	2	N°		N°		N°		N°		COD. GZ10.04.05.90030
	sp.2	N°	2	N°		N°		N°		N°		COD. GZ10.04.05.90020
M	0-3											
<div></div>	nomin height	B1-M B2-M	B2-M B1-M	Cross beam moved to the left				Cross beam moved to the right				
B1	195	194	196	B1-M				B1-M				
B2				B2-M				B2-M				
SB Shim	10	0	20									
	sp.1	N°	4	N°				N°				COD. GZ10.04.13.90030
	sp.2	N°	3	N°				N°				COD. GZ10.04.13.90020
TYPE TEST				RESULT								TESTER
PNEUMATIC BRAKE TIGHTNESS TEST												SIGNATURE
												DATE

\$ M is the centreline bogie

URH and ULH values include the nominal shims thick (STB = 14 mm).

Item	Value	Unit	Class
1	1000	mm	1
2	1000	mm	1
3	1000	mm	1
4	1000	mm	1
5	1000	mm	1
6	1000	mm	1
7	1000	mm	1
8	1000	mm	1
9	1000	mm	1
10	1000	mm	1
11	1000	mm	1
12	1000	mm	1
13	1000	mm	1
14	1000	mm	1
15	1000	mm	1
16	1000	mm	1



Technical Specifications					
Technical Document					
Customer/Product Asset ID					
Coating/Heat Treat/Finishing					
Paint/Color					

No.	Particulars	Material	Quantity	Unit	Remarks
1	Particulars	Material	Quantity	Unit	Remarks
2	Particulars	Material	Quantity	Unit	Remarks
3	Particulars	Material	Quantity	Unit	Remarks
4	Particulars	Material	Quantity	Unit	Remarks
5	Particulars	Material	Quantity	Unit	Remarks
6	Particulars	Material	Quantity	Unit	Remarks
7	Particulars	Material	Quantity	Unit	Remarks
8	Particulars	Material	Quantity	Unit	Remarks
9	Particulars	Material	Quantity	Unit	Remarks
10	Particulars	Material	Quantity	Unit	Remarks
11	Particulars	Material	Quantity	Unit	Remarks
12	Particulars	Material	Quantity	Unit	Remarks
13	Particulars	Material	Quantity	Unit	Remarks
14	Particulars	Material	Quantity	Unit	Remarks
15	Particulars	Material	Quantity	Unit	Remarks
16	Particulars	Material	Quantity	Unit	Remarks