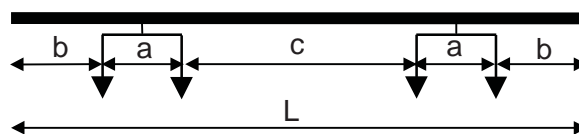


Appendix B - Wagons with two 2-axle bogies

Permissible maximum mass per axle P_r on the various line categories in relation to dimensions a and b



Values of dimensions		Line categories					Values of dimensions	
a (m)	b (m)	A (t)	B2 B1 (t)	C4 C3 C2 (t)	D4 D3 D2 (t)	E5 E4 (t)	b (m)	a (m)
1,80	1,50	16	18	20	22,5	25	1,50	1,80
	1,40	15	17	19	21,5	24	1,40	
	1,30	14,5	16,5	18,5	20,5	23	1,30	
1,70	1,20	14	16	17,5	20	22	1,20	1,70
	1,50	15	17	19	21,5	23,5	1,50	
	1,40	15	17	19	21	23,5	1,40	
1,60	1,30	14	16	18	20	22,5	1,30	1,60
	1,20	14	15,5	17,5	19,5	21,5	1,20	
	1,50	14,5	16	18	20,5	22,5	1,50	
	1,40	14,5	16	18	20	22,5	1,40	
1,50	1,30	14	15,5	17,5	19	22	1,30	1,50
	1,20	13,5	15	17	18,5	21	1,20	
	1,50	13,5	15,5	17	19,5	21	1,50	
	1,40	13,5	15,5	17	19,5	21	1,40	
1,40	1,30	13,5	15,5	17	19	21	1,30	1,40
	1,20	13	14,5	17	18	20,5	1,20	
	1,50	13	14,5	16,5	18,5	20	1,50	
	1,40	13	14,5	16,5	18,5	20	1,40	
1,30	1,30	13	14,5	16,5	18,5	20	1,30	1,30
	1,20	13	14,5	16,5	18,5	20	1,20	
	1,50	12,5	14	15,5	17,5	18,5	1,50	
	1,40	12,5	14	15,5	17,5	18,5	1,40	
1,30	1,30	12,5	14	15,5	17,5	18,5	1,30	1,30
	1,20	12,5	14	15,5	17,5	18,5	1,20	

Important note:

The masses per axle shown in the above table are only valid:

1. If dimension c is $> 2b$. Otherwise, dimension b shall not be taken as the value of b, but the value $c/2$ or the nearest value below shown in the table. If $c/2 < 1,20$ m, a special study is required (see point 3.2.1);
2. If wagon length "L" between buffers is such that the mass per unit length "p" falls within the line category under consideration. Otherwise, the permissible mass per axle is lower and shall be equal to $pL/4$;
3. If wagon length "L" is longer than 14,5 m.

Informative note: Exact values according to point 3.2.1 can be calculated by the software tool "Calculation of the payload limits for freight wagons" provided by UIC.