

Proposal for the requirement of N1 vehicle.

C2C:

Maximum relative Impact Speed(km/h) for N1 vehicle

| Relative Speed (km/h) | Stationary | | | | Moving | | | |
|-----------------------|------------|-------|--------------------|-------|------------|------|--------------------|------|
| | Full laden | | Mass running order | | Full laden | | Mass running order | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| 10 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| 15 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| 20 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| 25 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| 30 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| 32 | 0,00 | 15,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| 35 | 0,00 | 15,00 | 0,00 | 0,00 | 0,00 | - | 0,00 | 0,00 |
| 38 | 0,00 | 20,00 | 0,00 | 0,00 | 0,00 | - | 0,00 | 0,00 |
| 40 | 10,00 | 20,00 | 0,00 | 15,00 | - | - | 0,00 | 0,00 |
| 42 | 15,00 | 25,00 | 0,00 | 20,00 | - | - | 0,00 | - |
| 45 | 20,00 | 25,00 | 15,00 | 25,00 | - | - | - | - |
| 50 | 30,00 | 35,00 | 25,00 | 30,00 | - | - | - | - |
| 55 | 35,00 | 40,00 | 30,00 | 35,00 | - | - | - | - |
| 60 | 40,00 | 45,00 | 35,00 | 40,00 | - | - | - | - |

$$*: \alpha = \frac{W_r}{W} \times \frac{L}{H}$$

(W_r : Front wheel weight, W : Weight, L : Length of wheel base, H : Gravity height)

The value of α is calculated by above formula:

The value of α is larger than 1.3, the requirements are subject to column 1.

The value of α is less equal than 1.3, the requirements are subject to column 2.

C2P:

Maximum relative Impact Speed(km/h) for N1 vehicle 1st step

| Relative Speed (km/h) | Full laden | | Mass running order | | |
|-----------------------|------------|------|--------------------|------|-------|
| | Column* | 1 | 2 | 1 | 2 |
| 20 | | 0,00 | 0,00 | 0,00 | 0,00 |
| 25 | | 0,00 | 10,00 | 0,00 | 0,00 |
| 30 | | 0,00 | 15,00 | 0,00 | 15,00 |
| 35 | | | 25,00 | | 20,00 |
| 40 | | | 30,00 | | 25,00 |
| 45 | | | 35,00 | | 30,00 |
| 50 | | | 40,00 | | 35,00 |
| 55 | | | 45,00 | | 45,00 |
| 60 | | | 50,00 | | 50,00 |

$$*: \alpha = \frac{W_f}{W} \times \frac{L}{H}$$

(W_f : Front wheel weight, W : Weight, L : Length of wheel base, H : Gravity height)

The value of α is calculated by above formula:

The value of α is larger than 1.3, the requirements are subject to column 1.

The value of α is less equal than 1.3, the requirements are subject to column 2.

C2P:

Maximum relative Impact Speed(km/h) for N1 vehicle 2nd step

| Relative Speed (km/h) | Full laden | | Mass running order | | |
|-----------------------|------------|---------|--------------------|---------|-------|
| | Column* | 1 | 2 | 1 | 2 |
| 20 | | 0,00 | 0,00 | 0,00 | 0,00 |
| 25 | | 0,00 | 0,00 | 0,00 | 0,00 |
| 30 | | 0,00 | 0,00 | 0,00 | 0,00 |
| 35 | | 0,00 | 15,00 | 0,00 | 0,00 |
| 40 | | 0,00 | 20,00 | 0,00 | 15,00 |
| 42 | | 10,00 | 25,00 | 0,00 | 20,00 |
| 45 | | [15,00] | 25,00 | [15,00] | 25,00 |
| 50 | | [25,00] | 35,00 | [25,00] | 30,00 |
| 55 | | [30,00] | 40,00 | [30,00] | 35,00 |
| 60 | | [35,00] | 45,00 | [35,00] | 40,00 |

$$*: \alpha = \frac{W_r}{W} \times \frac{L}{H}$$

(W_r : Front wheel weight, W : Weight, L : Length of wheel base, H : Gravity height)

The value of α is calculated by above formula:

The value of α is larger than 1.3, the requirements are subject to column 1.

The value of α is less equal than 1.3, the requirements are subject to column 2.