

Questionnaire "Buffer Stop"

1 Basic

1.1 Customer: _____

⇒ 1.2 Project: _____

2 Vehicle

2.1 Type of rolling stock: ☐ Goods Train, ☐ Passenger Train, ☐ Metro, ☐ LRT, ☐ Tram, ☐ Monorail, ☐ _____

→ 2.2 Total weight inclusive loco: **max.:** _____ t, (min.: _____ t)

→ 2.3 Expected maximum impact speed: ☐ _____ km/h, ☐ Main line: _____ km/h
☐ Depot: _____ km/h ☐ Workshop: _____ km/h

⇒ 2.4 Impact device of vehicle: ☐ side buffing: average centre height above top of rail: _____ mm,
distance between buffing centres: _____ mm
☐ centre coupler, type: _____
average coupler centre height above top of rail: _____ mm
☐ anti-climber, ☐ _____

3 Track

→ 3.1 Is special protection behind track required?: ☐ **no**,
☐ yes, for: ☐ people, ☐ pylon, ☐ building, ☐ slope, ☐ _____
or ☐ yes, energy safety factor: ☐ 1 ☐ 1.5 ☐ _____

3.2 Running rail type: ☐ 49E1 (S49), ☐ 54E1 (UIC54), ☐ 56E1 (BS113A), ☐ 60E1 (UIC60), ☐ _____

3.3 Running rail height: ☐ new ☐ worn, present height _____ mm

3.4 Running rail inclination: ☐ not inclined ☐ inclined 1:20 ☐ inclined 1:40 ☐ inclined 1: _____

3.5 Track gauge: ☐ 1435 mm, ☐ 1000 mm, ☐ 1600 mm, ☐ 1668 mm, ☐ 1676 mm, ☐ _____ mm

⇒ 3.6 Track curve: ☐ straight track
☐ curved track, radius: _____ m, ☐ bend to the right, ☐ bend to the left

→ 3.7 Track gradient in the area of the impacting train and the Buffer Stop stopping distance: ☐ **horizontal track**
☐ 1:_____ falling towards the Buffer Stop ☐ 1:_____ rising towards the Buffer Stop

3.8 Track: ☐ ballasted: ☐ wooden sleepers, ☐ concrete sleepers, type: _____
☐ direct fixation, type _____

→ 3.9 Total available track length from front of Buffer Stop to end of track: _____ m

4 Buffer Stop

4.1 Is electrical insulation necessary? ☐ no, ☐ yes (for signalling requirements)

4.2 Corrosion protection: ☐ hot dip galvanized, ☐ paint coated, colour: _____ RAL _____

5 Additional Information

Place and date

Name / title (printed)

Signed

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→ : **This information** is needed to calculate the stopping process and to choose the Buffer Stop Type

⇒ : This is main information for the Buffer Stop design