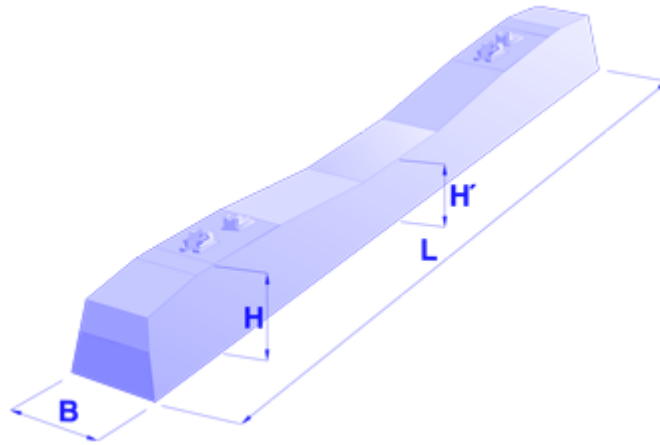


Railway structures

Tramway sleeper B03-DP 07P | 61 Uherský Ostroh



Key Features

Trademark	Dimensions (cm)				Concrete Class	Volume (m ³)	Weight (kg)
	L	B	H	H_1			
APP 85-19	241,5	24	22,5	17,5	C 45/55- XF1	0,0970	252

Usage

Together with flexible tie plate-free fixation of S49 rail, type Pandrol FE, slant 1:20 intended for build-up in tram-lines.

Sleeper design parameters for speed up 120 km/hr:

- positive bending moment in the cross section under the rail $M_{dr} = + 12 \text{ kNm}$
- negative bending moment in the cross section in the middle of the sleeper $M_{dcn} = - 10 \text{ kNm}$

Sleeper design parameters for speed up 80 km/hr:

- positive bending moment in the cross section under the rail $M_{dr} = + 10 \text{ kNm}$
- negative bending moment in the cross section in the middle of the sleeper $M_{dcn} = - 8 \text{ kNm}$