# TROLLEY WHEEL LOAD DATA

**Hoist 1**

# 1 General

Hoist load (SWL) 5 000 kg

Hoisting height 6,0 m [max 6,00 m]

Hoist type SH 4012-20 4/1 L2

Hoist group M5

Trolley traversing duty group M5

Hoisting speed 5/0,83 m/min 2-speed

Trolley traversing speed 20/5 m/min 2-speed

Dynamic coefficient for live load 1,19

Dynamic coefficient for dead load 1,10

Sideways pull factor 1,05

Weight of hoist and trolley 330 kg

## 2 Wheel load drawing



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## 3 Wheel load data

Distance between trolley wheels **(L15)** 570 mm

Distance between trolley wheels **(L30)** 570 mm

Distance between trolley wheels **(L59)** mm

Girder flange width **(B\_\_)** 260 mm

Trolley wheel contact point from flange edge **(B1\_)** 18 mm

Static Wheel load (load+trolley /trolley only) **(NR1)** 1 498 kg / 99 kg

Static Wheel load (load+trolley /trolley only) **(NR2)** 1 649 kg / 66 kg

Static Wheel load (load+trolley /trolley only) **(NR3)** 1 498 kg / 99 kg

Static Wheel load (load+trolley /trolley only) **(NR4)** 1 649 kg / 66 kg

Dynamic Wheel load (load and trolley wgt.) **(NR1)** 17,2 kN

Dynamic Wheel load (load and trolley wgt.) **(NR2)** 19,4 kN

Dynamic Wheel load (load and trolley wgt.) **(NR3)** 17,6 kN

Dynamic Wheel load (load and trolley wgt.) **(NR4)** 19,4 kN