ND Truck Weight Calculator

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Rapid City, SD

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North Dakota Local Technical Assistance Program

Factor

• Laws
  – Axle Weight & Gross Vehicle Weight Limits
• Local Road System
  – 80,000 pounds unless designated otherwise
• State Highway System
  – 105,500 pounds unless posted otherwise
• Interstate System
  – 80,000 pounds
  – With a permit, up to 105,500 pounds

Axle Configuration

# of Tires/Axle
Factor

Tire Width

Factor

Steering Axle
– Axle rating
– Interstate System

Factor

Bridge Length
– Distance from axle center to axle center

Factors

– Axle Configuration
– Number of tires per axle
– Tire Width
– Axle Rating – Steering axle only
– Interstate System only
– Distance – measurement from axle center to consecutive axle center
Truck Weight Calculation - Manual Process

Inches

Axle Weight: 12,000# 18'11" = 214,900#
Axle Weight: 10,000# 16'11" = 200,000#
Axle Weight: 10,000# 16'11" = 200,000#

5'8"11" = 30,000# = 89,100#

North Dakota Truck Weight Calculator

Questions?

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http://dotsc.ugpti.ndsu.nodak.edu/TWC/
ND Truck Weight Calculator

ND Truck Weight Calculation Results

Axle Weights

Legal GVWR - Interstate: 80,000 lbs...

To perform the following calculations, enter the information in the boxes below.

Axle Weights

Interstate

60,000 lbs...

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