

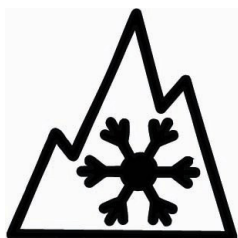
TIRE INFORMATION SERVICE BULLETIN

USTMA DEFINITION FOR TRUCK AND BUS TIRES FOR USE IN SEVERE SNOW CONDITIONS

Tires designed for use in severe snow conditions generally have tread patterns, structure, and materials to give superior performance in snow.

Truck or bus tires designed for use in severe snow conditions are recognized by manufacturers to attain a Snow Grip Index equal to or greater than 1.25 compared to the appropriate ASTM Standard Reference Test Tire¹ when using the method described in Clause 4.3, "Acceleration on snow method for truck and bus tyres" of ISO 18106:2016.²

Tires designed for use in severe snow conditions that meet the performance criteria above qualify for marking on at least one sidewall with the letters "M" and "S" (e.g., MS, M/S, M&S, M+S, etc.) plus a pictograph of a mountain with a snowflake. The mountain profile shall have a minimum base of 15 mm and a minimum height of 15 mm and shall contain three-peaks with the middle peak being the tallest. Inside the mountain there shall be a six-sided snowflake having a minimum height of one-half the tallest peak. An example of the mountain/snowflake is shown below.



Sidewall symbol for Severe Snow Use Tires typically placed adjacent to the M+S type designation. Minimum 15 mm/0.6" base and 15 mm/0.6" height.

¹ ASTM F2870: Standard Specification for 315/70R22.5 154/150L Radial Truck Standard Reference Test Tire or ASTM F2871: Standard Specification for 245/70R19.5 136/134M Radial Truck Standard Reference Test Tire

² ISO 18106: 2016 Passenger car, commercial vehicle, truck and bus tyres - Methods for measuring snow grip performance - Loaded new tyres

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