



# ROCKET RACK®

A ROBROY Brand

## Load Ratings Definitions

- **Deflection**

the deformation or bending that occurs in a structure or equipment when subjected to a load.

- **Distributed Load**

a load applied over a length of the span (like a cable tray).

- **Kips**

1000 lb<sub>f</sub> (pound-force – the gravitational force exerted by a matter on the surface of the Earth).

- **Live Load**

the weight of temporary or movable loads, such as vehicles, people, or equipment.

- **Modulus of Elasticity**

the extent to which a material is resistant to bending under the pressure of weight.

- **Point Load**

a load applied at a single point on the support structure (like a pipe).

- **Safety Factor**

the ratio of the breaking stress of a structure to the estimated maximum stress in ordinary use; a safety margin or safety coefficient applied to a load or stress that a component can theoretically handle without failure.