

**761—511.13(321,321E) Maximum axle weights and maximum gross weights for vehicles and loads moved under permit.****511.13(1) Annual and all-systems permits.**

a. For movement under an annual or all-systems permit, the axle weight and combined gross weight shall not exceed the limits found in Iowa Code section 321.463(3).

b. See subrule 511.13(5) for exceptions for special mobile equipment.

**511.13(2) Annual oversize/overweight permits.**

a. For movement under an annual oversize/overweight permit, the gross weight on any axle shall not exceed 20,000 pounds, with a maximum of 156,000 pounds total gross weight.

b. See subrule 511.13(5) for exceptions for special mobile equipment.

**511.13(3) Multitrip permits.**

a. For movement under a multitrip permit, the gross weight on any axle shall not exceed 20,000 pounds with a maximum of 156,000 pounds total gross weight.

b. See subrule 511.13(5) for exceptions for special mobile equipment.

**511.13(4) Single-trip permits.**

a. For movement under a single-trip permit, the gross weight on any axle shall not exceed 20,000 pounds.

b. If the combined gross weight exceeds 100,000 pounds, a single-trip permit may be issued for the movement only if the permit-issuing authority determines that it would not cause undue damage to the road and is in the best interest of the public.

c. Cranes may have a maximum of 24,000 pounds per axle for movement under a single-trip permit. Routes must be reviewed by the permit-issuing authority prior to issuance.

d. See subrule 511.13(5) for exceptions for special mobile equipment.

**511.13(5) Special mobile equipment.** Special mobile equipment may have a gross weight of 36,000 pounds on any single axle equipped with minimum size 26.5-inch by 25-inch flotation pneumatic tires and a maximum gross weight of 20,000 pounds on any single axle equipped with minimum size 18-inch by 25-inch flotation pneumatic tires, provided that the total gross weight of the vehicle or a combination of vehicles does not exceed a maximum of 80,000 pounds for movement under an annual or all-systems permit and 126,000 pounds for movement under a single-trip, multitrip or annual oversize/overweight permit.

For tire sizes and weights allowed between the maximum and minimum indicated, the following formula shall apply: Axle weight = 20,000 pounds + (tire width - 18) × 1,882 pounds.

**511.13(6) Permitted tandem axle weights.**

a. Vehicles operating under an annual oversize permit, annual oversize/overweight permit, single-trip permit, or multitrip permit may have a gross weight not to exceed 46,000 pounds on a single-tandem axle of the truck tractor and a gross weight not to exceed 46,000 pounds on a single-tandem axle of the trailer or semitrailer if each axle of each tandem group has at least four tires.

b. The maximum weight of any single axle within a permitted tandem axle group shall be 24,000 pounds.

c. A permitted tandem axle shall not be a part of a larger group of axles whose centers are greater than 96 inches apart.

This rule is intended to implement Iowa Code sections 321.463, 321E.7, 321E.8, 321E.9, 321E.9A and 321E.32.

[ARC 3193C, IAB 7/5/17, effective 8/9/17; ARC 4345C, IAB 3/13/19, effective 4/17/19]