

**WAC 296-17A-5106 Classification 5106.**

**5106-10 Forging works, tool forging, blacksmithing, or vehicle spring or auto bumper: Manufacturing**

**Applies to businesses engaged in:**

- Forging works by drop or machine forging;
- Tool forging, usually by hot forming or stamping;
- Blacksmithing;
- Vehicle spring or auto bumper manufacturing.

**Products manufactured include, but are not limited to:**

- Bumpers or leaf springs for vehicles;
- Chains;
- Engine parts;
- Forging tools;
- Hand tools including, but not limited to, wrenches or levels;
- Hooks;
- Small machine tools including, but not limited to, twist drills, chisel bits, dies, or jigs.

**Work processes/activities include, but are not limited to:**

- Blacksmithing: Hammering of metal heated in a forge to shape with hand tools or with a steam or air hammer;
- Hot forming or stamping: Heating metal in a furnace or hearth, then beating or hammering the heated metal into desired shapes with large drop hammers or rams;
- Drop or machine forging: Forgings are produced by impact or pressure which forces the metal to conform to the shape of the die;
- Trimming with trimmer dies to remove the surplus metal that squeezes out between the two sections of the forging die;
- Welding, grinding, tempering, and sharpening;
- Finishing processes may involve cutting, turning shaping, heat-treating, drilling, milling, grinding, tapping, assembling, polishing, buffing, painting or plating; and
- Manufacture of leaf springs or bumpers: Steel is rolled, sheared or stamped to size, bent to shape and then tempered to produce the required degree of elasticity.

**Machinery and equipment used include, but are not limited to:**

- Drop or trip hammers;
- Forming presses;
- Furnace or hearth (forge);
- Hand tools;
- Large drop hammers or rams;
- Machine shop equipment;
- Steam or air hammer.

**Exclusions:**

- Manufacture of wire springs, such as for wire mattresses or bed springs, is classified in 3402.
- Manufacture of tools by machining operations is classified in the applicable metal machining classification.

[Statutory Authority: RCW 51.04.020 and 51.16.035. WSR 22-21-117, § 296-17A-5106, filed 10/18/22, effective 1/1/23. WSR 07-01-014, recodified as § 296-17A-5106, filed 12/8/06, effective 12/8/06. Statutory Authority: RCW 51.16.035. WSR 98-18-042, § 296-17-666, filed 8/28/98, effective 10/1/98; WSR 85-24-032 (Order 85-33), § 296-17-666, filed 11/27/85, effective 1/1/86; WSR 82-24-047 (Order 82-38), § 296-17-666,

filed 11/29/82, effective 1/1/83; Order 73-22, § 296-17-666, filed 11/9/73, effective 1/1/74.]