

Industries in Upstream Metal Manufacturing (18)

Downstream Metal Products

Ornamental and Architectural Metal Work Manufacturing

331110	Iron and Steel Mills and Ferroalloy Manufacturing	331491	Nonferrous Metal (except Copper and Aluminum) Rolling,
331210	Iron and Steel Pipe and Tube Manufacturing		Drawing, and Extruding
	from Purchased Steel	331492	Secondary Smelting, Refining, and Alloying of Nonferrous
331221	Rolled Steel Shape Manufacturing		Metal (except Copper and Aluminum)
331222	Steel Wire Drawing	332111	Iron and Steel Forging
331313	Alumina Refining and Primary Aluminum Production	332112	Nonferrous Forging
331314	Secondary Smelting and Alloying of Aluminum	332117	Powder Metallurgy Part Manufacturing
331315	Aluminum Sheet, Plate, and Foil Manufacturing	332119	Metal Crown, Closure, and Other Metal Stamping
331318	Other Aluminum Rolling, Drawing, and Extruding		(except Automotive)
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	332613	Spring Manufacturing
331420	Copper Rolling, Drawing, Extruding, and Alloying	332618	Other Fabricated Wire Product Manufacturing

Notes

(1) Cluster definitions are based on the U.S. Cluster Mapping Benchmark Definitions developed by Professors Mercedes Delgado, Michael E. Porter, and Scott Stern (2013).

(2) US 2012 North American Industry Classification System (NAICS) are used for industry classifications and codes.

(3) Industries should not be misinterpreted as sub-clusters. For a listing of all sub-clusters, please visit the Institute's Canadian Cluster Data portal.

(4) Analysis derived from approach used by Ketels and Protsiv to broaden cluster categories by adding individual narrow industries in their report: "European Cluster Panorama 2014".

Legend Central Cluster Strongly Related Industries Loosely Related Industries NAICS Industry Code NAICS Industry Name