	on between small car						08		11		14	15	16	17	18	19	90	99	00
code	small causal agents	fall		struck	collapse			injury to the	contact to high/low- temperature	contact to			fire	traffic	traffic accident	reaction to motion/improper motion			
111	engine																		0
	power transmission mechanism																		0
131	circular sawing machine																		0
132	band sawing machine																		0
133	wood planer machine																		0
134	hollow chisel mortiser, wood borer																		0
135	chamfering machine, router, woodworking milling machine																		0
136	chain saw																		0
139	other woodworking machines																		0
141	leveling, transporting or loading machine																		0
142	excavating machine																		0
143	foundation work machine																		0
144	hardening machine																		0
145	demolition machine																		0
	vehicle for high lift work																		0
147	other construction machines																		0
	lathe																		0
132	drill press, milling machine																		0
153	grinding machine, buffing machine																		0
154	power press																		0
155	forging pressure																		0

Relation between small causal agents and type of Fatal accidents in code no. 20301 metal mining as small industry in 1999-2020.

	hammer														
156	shearing machine														0
159	other metal manufacturing machines														0
161	centrifugal machine														0
162	mixer, grinder														0
163	roll machine (except printingroll machine)														0
164	injection molding machine														0
165	food manufacturing machine														0
166	printing machine														0
	industrial robot														0
169	other general power machines														0
	felling machine														0
	mobile logging machine														0
173	skyline yarding machine														0
179	other mobile silviculture machine														0
211	crane														0
212	mobile crane														0
213	derrick crane														0
	elevator, lift														0
215	cargo lifting appliance														0
216	gondola														0
217	lumberyard equipment, logging cableway														0
218	simple skyline yarding equipment														0
219	other powered crane														0
221	truck														0
	forklift														0
	railway equipment														0
	conveyor														0
225	loader														0

226	straddle carrier													0
227	rough terrain hauler													0
229	other powered conveying machines													0
231	cars, bus, motorcycle													0
	railway vehicle													0
	other vehicles													0
	boiler													0
312	pressure vessel													0
319	other pressure vessels													0
321	chemical facilities													0
331	gas welding equipment													0
332	arc welding equipment													0
220	other welding equipment													0
341	kiln, caldron													0
342	industrial dryer													0
349	other kiln, caldron													0
351	transmission													0
352	electric power facilities													0
359	other electrical equipment													0
361	human power cranes													0
362	human power hauling equipment													0
363	human power machine													0
	hand tool													0
	ladder	1												1
	slinging tool													0
379	other tools													0
391	other equipments, facilities													0
411	scaffolding													0
	timbering													0
	stairs, landing stage													0
	opening													0
	roof, beam, haze,													

415	crossbeam, principal rafter																						0
416	working platform, boot board																						0
_	passage																						0
418	building, establishment																						0
419	other temporary buildings, establishments																						0
511	explosive substance																						0
512	inflammable substance																						0
513	inflammable gas																						0
514	harmful substance																						0
515	radiation																						0
519	other hazards, harmful substances																						0
521	metal material																						0
522	lumber, bamboo																						0
523	stone, sand, substance																						0
529	other materials																						0
	load																						0
612	machine/equipment as load																						0
711	natural ground, rock					1																	1
712	standing tree																						0
713	water																						0
714	abnormal environment																						0
715	high/cold temperature environment											1											1
	other environments										1												1
911	other causal agent																						0
	no causal agent																						0
999	unclassifiable																						0
000	total	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4

Data of 2011 year do not include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: <u>https://anzeninfo.mhlw.go.jp/anzen_pg/SIB_FND.aspx</u> (MHLW, Japan)