Fatal and non-fatal accidents in fittings in Japan in 1999-2022

fittings industry Code No.010503

Type of accidents in fittings in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height	18	15	17	17	11	18	17	12	20	11	7	10	2	3	9	1	7	5	6	7	8	6	7	8	242
falling to same level	18	16	16	16	11	10	11	13	9	9	11	3	4	5	6	5	9	8	8	6	5	3	3	1	206
crash	4	7	8	7	4	5	5	3	2	3	2	3	1	3	2	2	1	1	2	2		4		2	73
struck by flying or falling object	30	15	15	20	17	15	16	12	9	14	10	10	5	2	6	8	3	3	3	4		7	3	4	231
collapse	5	8	9	5	4	5	10	4	4	4	1	4	1	4	3	1	2	2	2	2		3	2	1	86
crashed by	9	7	7	11	8	3	8	3	6	4	1	1	5	2	4	2	1	5		1	1	3			92
caught in/between	41	37	30	28	25	23	32	17	21	34	15	15	18	12	20	15	19	16	16	12	16	16	12	16	506
cut	209	193	185	182	161	158	122	100	111	109	74	107	87	75	71	63	50	56	50	56	45	44	43	27	2,378
injury to the sole of the foot					1										1										2
drown																									
contact to high/low-	1	2		3	2		1		1			1	3	1						1		1			17

temperature																									
contact to harmful substance										1															1
electric shock																		1							1
explosion					3				1												1				5
burst																									
fire				2					1			1				1									5
traffic accident (public road)	1	2	5	2	1	2	1		3	4	1			1				2	1	1	3	2			32
traffic accident (others)																									
reaction to motion/improper motion	7	11	13	5	15	7	7	4	5	9	7	7	8	4	4	5	6	4	9	8	3	6	1	6	161
others		2				1		1		1		1				1									7
unclassifiable	1																								1
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Causal agents (large) of fatal and non-fatal accidents in fittings in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine	246	216	198	209	184	162	148	116	125	140	89	110	99	79	91	76	65	71	62	70	53	61	51	38	2,759

crane, conveying machine	11	8	16	4	3	10	5	2	11	12	5	3	2	3	5	1	3	3	2	2	4	8	5	2	130
other equipment	27	35	35	33	17	31	26	19	26	14	10	17	10	15	15	7	8	7	9	8	8	9	8	7	401
temporary buildings, establishments	15	19	19	19	17	15	19	11	10	14	12	11	7	6	6	4	8	9	10	9	6	6	3	6	261
substance, material	34	31	29	27	27	23	25	15	17	14	8	17	12	8	6	11	7	8	8	4	5	8	3	6	353
load	8	2	5	3	8	3	3	3	3	4	1			1	2	2	3	2		2	6	2		2	65
environment	1	1		2	1		2	1	1	1		1	1			1		1		1		1			16
others	2	3	3	1	6	3	2	2		4	4	4	3		1	2	4	2	6	4			1	4	61
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Causal agents (middle) of fatal and non-fatal accidents in fittings in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism	1	4		2	1	1	1							1						1	1				13
woodworking machine	221	200	184	188	173	153	134	111	116	126	84	104	92	75	87	68	61	69	55	62	42	59	47	31	2,542

construction machine							1																		1
metal manufacturing machine	7	4	3	7	2	2	4	2	4	2	2	1	1	1	2	1		1		1	3		3		53
general machine	17	8	11	12	8	6	8	3	5	12	3	5	6	2	2	7	4	1	7	6	7	2	1	7	150
mobile silviculture machine																									
crane		1	1						2		1						1					1			7
conveying machine	9	5	13	2	3	8	2	1	6	9	4	3	2	2	5	1	2	2	1	1	4	6	5	2	98
vehicle	2	2	2	2		2	3	1	3	3				1				1	1	1		1			25
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron		2		2					2			1													7
electric equipment				1				1																	2
human power machine, tools	13	23	20	17	11	18	13	8	11	6	7	11	9	10	9	6	6	5	5	3	2	5	4	3	225
tools	13	10	14	10	4	13	10	10	12	5	3	5	1	3	6	1	2	2	2	5	5	4	3	3	146
other equipments,																									

facilities	1		1	3	2		3		1	3				2					2		1		1	1	21
temporary buildings, establishments	15	19	19	19	17	15	19	11	10	14	12	11	7	6	6	4	8	9	10	9	6	6	3	6	261
hazards, harmful substances					2					1			1			1					1				6
materials	34	31	29	27	25	23	25	15	17	13	8	17	11	8	6	10	7	8	8	4	4	8	3	6	347
load	8	2	5	3	8	3	3	3	3	4	1			1	2	2	3	2		2	6	2		2	65
natural environment	1	1		2	1		2	1	1	1		1	1			1		1		1		1			16
other causal agent	1	1			2			2				1				1		1		1					10
no causal agent		2	3	1	4	3	2			4	4	3	3		1	1	4	1	6	3			1	4	50
unclassifiable	1																								1
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Causal agents (small) of fatal and non-fatal accidents in fittings in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism					1		1							1						1	1				5

circular sawing machine			103		99		75	65	64	72	49	71	54	41	46	46	33	35	29	36	30	30	29	17	1,024
band sawing machine			3					1		1		1		1	1				1			1	1		11
wood planer machine			42		35		24	22	25	22	21	13	16	14	19	12	7	16	6	4	7	13	7	5	330
hollow chisel mortiser, wood borer			6		5			3	2	2	3		1	1	3		1	3	4	2		1			37
chamfering machine, router, woodworking milling machine			9		7		9	2	5	8	3	4	2	2	2		2		2	6	2	2	1	1	69
chain saw																									
other woodworking machines			21		27		26	18	20	21	8	15	19	16	16	10	18	15	13	14	3	12	9	8	309
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine							1																		1
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe							1																		1
drill press, milling machine					1				2						1					1					5
grinding machine, buffing machine							1		1														1		3
power press			1					2	1	1								1					1		7
forging pressure hammer																									
shearing machine			1											1											2
other metal manufacturing machines			1		1		2			1	2	1	1		1	1					3		1		15
centrifugal machine																					1				1
mixer, grinder																									
roll machine (except printingroll machine)			4		2		2	1		4		2	3			4	1				1			1	25

injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																			1						1
other general power machines			7		6		6	2	5	8	3	3	3	2	2	3	3	1	6	6	5	2	1	6	80
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane			1														1								2
mobile crane																									
derrick crane																									
elevator, lift									1													1			2
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane									1		1														2
truck			7		2		1	1	4	6	4	2		2	4			1			4	6	3	1	48
forklift			3		1					3			2		1	1	1	1	1	1			1	1	17
railway equipment																									
conveyor			2				1		2			1											1		7
loader																	1								1
straddle carrier																									
rough terrain hauler																									
other powered conveying machines			1																						1
cars, bus, motorcycle			2				1	1	3	3				1				1	1	1		1			15
railway vehicle																									
other vehicles							2																		2
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron									1			1													2
industrial dryer																									
other kiln, caldron									1																1
transmission																									
electric power facilities																									
other electrical equipment								1																	1
human power cranes																									
human power hauling equipment			5				3	2	4	2	1			3	5		2	2	1	2	1				33

human power machine											1								1				1		3
hand tool			15		11		10	6	7	4	5	11	9	7	4	6	4	3	3	1	1	5	3	3	118
ladder			12		4		4	8	12	4	3	3	1	2	5	1	2	1		1	3	3	1	2	72
slinging tool																									
other tools			2				6	2		1		2		1	1			1	2	4	2	1	2	1	28
other equipment, facilities			1		2		3		1	3				2					2		1		1	1	17
scaffolding			1				1	1												1			1		5
timbering																									
stairs, landing stage			2		5		4	1	3	4	1	1	1	1	1		2	1	2		2	3		3	37
opening							2				1									2					5
roof, beam, haze, crossbeam, principal rafter			2				2	1							2		1	2			1				11
working platform, boot board			2		2		3	2	3	2	2	3				3	1	3	1	1	1		1		30
passage			10		5		3	5	3	4	6	2	4	4	1		4	3	4	4	2	1	1	1	67
building, establishment			1		3		4	1	1	3	1	3	1	1	2				2			1		1	25
other temporary buildings,			1		2					1	1	2	1			1			1	1		1		1	13

establishments																									
explosive substance																									
inflammable substance													1			1					1				3
inflammable gas					1																				1
harmful substance										1															1
radiation																									
other hazards, harmful substances					1																				1
metal material			5		2		2	2	3	1	1	2	2	2			1		1		1	1			26
lumber, bamboo			19		15		20	8	13	8	5	10	8	3	6	8	5	8	5	4	1	7	3	5	161
stone, sand, substance			2					1								1			1						5
other materials			3		8		3	4	1	4	2	5	1	3		1	1		1		2			1	40
load			5		7		2	3	2	4	1			1	2	2	3	2		2	6	2		2	46
machine/equipment as load					1		1		1																3
natural ground, rock										1															1
standing tree												1													1
water																									
abnormal																									

environment																									
high/cold temperature environment							1	1					1							1		1			5
other environments					1		1		1							1		1							5
other causal agent					2			2				1				1		1		1					8
no causal agent			3		4		2			4	4	3	3		1	1	4	1	6	3			1	4	44
unclassifiable																									
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Workers age of fatal and non-fatal accidents in fittings in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	12	11	8	9	8	8	9	2	2	3	2	2	2	1	1	2		1		2	2	1	1	2	91
20-29	60	51	61	48	53	34	32	27	35	41	25	20	21	19	14	11	22	12	16	12	9	13	12	6	654
30-39	40	34	34	42	35	35	40	33	26	33	23	21	25	25	23	29	13	19	19	11	17	11	10	11	609
40-49	52	51	40	39	37	33	26	14	18	32	22	25	16	14	23	16	16	18	17	13	13	19	15	9	578
50-59	94	84	87	80	71	75	70	54	56	47	22	49	30	17	27	17	8	10	18	14	12	22	14	14	992
60 years old or more	86	84	75	80	59	62	53	39	56	47	35	46	40	36	38	29	39	43	27	48	29	29	19	23	1,122
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Workers' number of workplace of fatal and non-fatal accidents in fittings in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	222	213	190	193	165	162	150	105	113	129	87	107	85	72	80	72	49	68	62	53	41	56	39	34	2,547
10-29	97	81	83	72	61	57	42	40	52	56	30	38	27	32	27	19	21	19	17	26	23	19	20	18	977
30-49	21	12	21	18	16	10	16	8	13	8	8	12	13	4	5	7	12	4	12	8	8	13	6	4	259
50-99	3	6	10	9	17	12	18	14	9	9	4	3	5	2	6	2	8	7		3	3	2	1		153
100-299		3		5	4	4	1	2	6	1		3	4	2	8	4	7	5	6	10	4	4	3	8	94
300 workers or more	1		1	1		2	3										1				3	1	2	1	16
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Month of fatal and non-fatal accidents in fittings in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	24	25	35	26	15	15	23	11	14	15	9	10	11	10	8	9	12	11	5	14	7	10	7	6	332
February	29	37	18	29	16	11	20	11	17	23	9	21	4	8	10	8	6	9	10	11	5	7	11	3	333
March	34	35	20	35	18	35	16	15	15	23	15	16	11	8	8	16	13	9	9	8	7	7	7	3	383
April	25	23	20	24	19	16	21	16	19	21	10	15	11	7	12	6	5	7	12	6	6	6	2	3	312
May	21	30	30	27	22	16	18	13	17	14	6	14	12	21	12	15	10	8	5	7	3	6	7	5	339
June	37	25	24	24	20	22	20	17	13	15	19	14	16	15	10	11	10	8	7	10	4	9	8	4	362

July	27	25	21	24	27	28	17	20	22	17	7	12	7	8	8	6	7	10	5	9	15	8	7	6	343
August	26	28	40	25	27	18	21	18	19	11	9	11	16	7	14	9	8	4	14	7	6	7	4	2	351
September	33	22	29	24	22	26	17	12	8	11	7	11	11	9	6	7	4	13	2	1	9	9	4	8	305
October	33	24	26	21	35	26	22	10	16	18	13	16	14	8	10	7	6	8	9	10	9	8	3	8	360
November	31	21	27	25	23	16	22	15	11	15	7	14	12	5	18	9	10	4	10	11	10	8	5	6	335
December	24	20	15	14	19	18	13	11	22	20	18	9	9	6	10	1	7	12	9	6	1	10	6	11	291
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Prefecture of fatal and non-fatal accidents in fittings in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	20	21	18		17		13	14	12	8	7	17	12	5	7	5	4	5	4	4	1		2	3	199
Aomori	1	1	5		4		2	1	1	1	1	1	2			1		1		2					24
Iwate	4	2	6		3		4	2		3	1	2		1	1		1		1	2		1	1	1	36
Miyagi	4	7	3		3		5	4	3	2	1	3	2	1	4	1	1	2		1	1			1	49
Akita	5	6	8		3		2	3	6	5	3	5	3	3	2	4	3	2	2	2		1	1		69
Yamagata	10	6	2		9		7	5	7	3	2	2	1	2	2	2	3	2	1	3	3	2	2		76
Fukushima	4	6	2		7		4	1	4	3	2	1		2		3	3	4		2	6	4	2	2	62
Ibaraki	5	1			1				2	1		1	2		1	1		1		1	1			1	19
Tochigi	15	15	21		16		12	4	7	6	2	4	5	5	7	3	2	4	4	3	2	6	3	3	149
Gunma	9	7	4		5		3	1	1	5	4	4			5		4	4	2	2	1	2	2	1	66

Saitama	16	9	22		10		13	6	18	14	10	9	6	10	5	9	7	5	6	12	8	4	2	4	205
Chiba	4	6	4		1		1	1	1	1	2	2	2	2	3	2	1	1		1				1	36
Tokyo	8	5	10		4		6	5	5	4	6	4	1	1	3	2		2	4	1	1	4			76
Kanagawa	13	13	9		5		6	1	3	4	1	1	2	2	4		2	1			3		1		71
Niigata	9	11	11				10	6	9	10	5	6	5	5	5	5	2	3	7	4	2	1	5	2	123
Toyama	2	2	7		6				1	2	1		2	4	5	1		2	2		1		2	4	44
Ishikawa	4	8	4				2	2		1		3		1	1								2		28
Fukui					2			1	3	1	2	1	1			1				2				1	15
Yamanashi		1	1						1	2					2		1	1		1					10
Nagano	7	9	9		4		8	4	1	3	1	3	2	4	1	3	4	5	1	5	4	2	3	2	85
Gifu	8	11	10		3		7	7	3	4	4	4	3	7	2	3	3	2	3	4	4	4	4	3	103
Shizuoka	10	5	10		10		5	7	6	8	6	3	6	3	6	9	9	8	6	7	1	5	1	3	134
Aichi	18	6	8		3		6	8	7	7	6	3	8	2	2	1	2	3	4	1	2	4	1	3	105
Mie	7	5	5		5		3	5	5	8	3	5				1		1		2	2	1	2		60
Shiga	5	1			1		1	2	4	1	1	1	1	2	1								3		24
Kyoto	2	2	7		2		5	1	3	1	3		2	1	1	1		1	1	1				1	35
Osaka	17	10	6		8		11	2	3	6	2	7	1	6	8	3	2	2	6	2	4	3	5		114
Hyogo	13	14	8		6		3	9	7	7	6	8	3	4	1	1	2	2	4	1	3	4	2	6	114
Nara	2	8	4		4		4		3	1	3	2	5	2	3		6	4			2			2	55
Wakayama	22	20	18		18		17	15	17	14	10	7	17	9	12	7	8	7	10	12	2	11	6	8	267
Tottori	3	1	2		3			1		1			1	1		1	1								15

Shimane	12	7	8		11		3	3	4	3	1	2		2		4			3	2	2	2			69
Okayama	9	6	7		11		3	5	8	11	5	4	2	2	4	2	3	3	2		1	2	3	1	94
Hiroshima	9	9	9		9		4	4	6	4	5	8	6	2	1	6	3	1	1	2	2	2	2	1	96
Yamaguchi	5	9	6		7		9	3	2	4	3	2	3	1	3	2	4	2	2		3	3	2	1	76
Tokushima	15	8	10		13		8	6	4	8	1	8	5	3	5	1	4	4	6	7	2	5	3	3	129
Kagawa	6	5	1		4		3	4	3	3	3	5	1	1	2	3					1	1	1	1	48
Ehime	8	5	3		3		5	1		1	1		3	2			1	2	2			2	1		40
Kochi	2	4	4		6			1	1	4	2	3	1	2		2		1	2	1		2		1	39
Fukuoka	11	20	13		14		16	10	8	15	7	9	8	3	9	6	5	2	3	3	9	8	3	3	185
Saga	4	3	1		1		3	2	2	2		3	2		2	3	1	3	2		1	1	1	1	38
Nagasaki	1	2	4		3		2	1	3	3	1	2	4	2			2	2	1	2	2	4			41
Kumamoto	1	7	2		4		1	2	2	3		1				2	1	2	1				1		30
Oita	5	6	7		3		5	3	3	2	2	4	3	3	1	1	2		3	3	1	3	1		61
Miyazaki	3	1			1		3		1	1	1	1		2				3			3	1			21
Kagoshima	3		2		3		3		2	1	1				4	1		2	1	1					24
Okinawa	3	4	4		7		2	6	1	1	1	2	1	2	1	1	1	1		1	1		1	1	42
total	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	65	4,046

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

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Fatal accidents in fittings in Japan in 1999-2022

fittings industry Code No.010503

Type of fatal accidents in fittings in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height									1															1	2
falling to same level																									
crash																									
struck by flying or falling object																									
collapse						1	1																		2
crashed by																									
caught in/between			1							1														1	3
cut																									
injury to the sole of the foot																									

drown																									
contact to high/low-temperature																									
contact to harmful substance																									
electric shock																									
explosion					1																				1
burst																									
fire									1																1
traffic accident (public road)									1													1			2
traffic accident (others)																									
reaction to motion/improper motion																									
others																									
unclassifiable																									
total			1		1	1	1		3	1												1		2	11

Causal agents (large) of fatal accidents in fittings in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine			1							1															2
crane, conveying machine									2													1			3
other equipment																								1	1
temporary buildings, establishments									1															1	2
substance, material					1		1																		2
load						1																			1
environment																									
others																									
total			1		1	1	1		3	1												1		2	11

Causal agents (middle) of fatal accidents in fittings in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism																									

woodworking machine			1																						1
construction machine																									
metal manufacturing machine																									
general machine										1															1
mobile silviculture machine																									
crane									1																1
conveying machine																						1			1
vehicle									1																1
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																									
tools																									
other equipments,																									

facilities																								1	1
temporary buildings, establishments									1															1	2
hazards, harmful substances																									
materials					1		1																		2
load						1																			1
natural environment																									
other causal agent																									
no causal agent																									
unclassifiable																									
total			1		1	1	1		3	1												1		2	11

Causal agents (small) of fatal accidents in fittings in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism																									

circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine			1																						1
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine																									
grinding machine, buffing machine																									
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines																									
centrifugal machine																									
mixer, grinder																									
roll machine (except printingroll machine)																									

injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines										1															1
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift									1																1
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck																						1			1
forklift																									
railway equipment																									
conveyor																									
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle									1																1
railway vehicle																									
other vehicles																									
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities																									
other electrical equipment																									
human power cranes																									
human power hauling equipment																									

human power machine																									
hand tool																									
ladder																									
slinging tool																									
other tools																									
other equipment, facilities																								1	1
scaffolding																									
timbering																									
stairs, landing stage																								1	1
opening																									
roof, beam, haze, crossbeam, principal rafter																									
working platform, boot board																									
passage																									
building, establishment									1																1
other temporary buildings,																									

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas																									
harmful substance																									
radiation																									
other hazards, harmful substances																									
metal material							1																		1
lumber, bamboo					1																				1
stone, sand, substance																									
other materials																									
load						1																			1
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water																									
abnormal																									

environment																									
high/cold temperature environment																									
other environments																									
other causal agent																									
no causal agent																									
unclassifiable																									
total			1		1	1	1		3	1												1		2	11

Workers age of fatal accidents in fittings in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less						1																			1
20-29																									
30-39									1																1
40-49										1															1
50-59					1				1													1		1	4
60 years old or more			1				1		1															1	4
total			1		1	1	1		3	1												1		2	11

Workers' number of workplace of fatal accidents in fittings in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less						1	1		1	1														1	5
10-29									2															1	3
30-49			1																			1			2
50-99					1																				1
100-299																									
300 workers or more																									
total			1		1	1	1		3	1												1		2	11

Month of fatal accidents in fittings in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January																									
February																									
March									1																1
April										1															1
May						1																			1
June					1				1																2

July																									
August																									
September																									
October							1															1			2
November			1																						1
December									1															2	3
total			1		1	1	1		3	1												1		2	11

Prefecture of fatal accidents in fittings in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido									1																1
Aomori																									
Iwate																									
Miyagi																									
Akita																									
Yamagata										1															1
Fukushima																									
Ibaraki																									
Tochigi																									
Gunma																									

Saitama					1	1																			2
Chiba																									
Tokyo																						1			1
Kanagawa																									
Niigata																									
Toyama							1																		1
Ishikawa																									
Fukui																									
Yamanashi																									
Nagano																									
Gifu																									
Shizuoka																									
Aichi																									
Mie																									
Shiga									1																1
Kyoto																									
Osaka			1																						1
Hyogo																									
Nara																									
Wakayama									1															2	3
Tottori																									

Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi																									
Tokushima																									
Kagawa																									
Ehime																									
Kochi																									
Fukuoka																									
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																									
Kagoshima																									
Okinawa																									
total			1		1	1	1		3	1												1		2	11

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

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