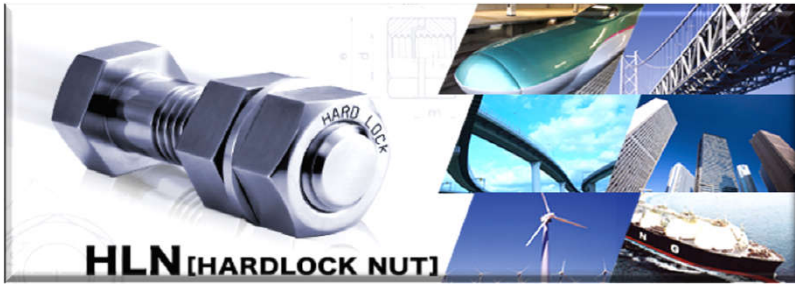




A new concept shapes safty
HARDLOCK Industry Co.,Ltd.



Where to find the Hardlock Nut

Public Sector

Industry	Delivery to	Main sizes	Using places
Public sector	Japan Highway Public Corp.	M6~M72	Connection parts for soundproof walls and other incidental facilities
	Metropolitan Expressway Public Corp.		
	Hanshin Expressway Public Corp.		
	Nagoya Public Expressway Corp.		
	Honshu-Shikoku Bridge Authority		
	Ministry of Land, Infrastructure and Transport related	M10~M36	Soundproof walls, guardrails, anchor stoppers, etc.
	JR Group companies	M6~M64	Transformers, electric power, facilities, etc.
	Municipal transport bureaus in Tokyo Prefecture	M8~M39	Transformers, electric power, facilities, etc.
	Japan Railway Construction, Transport and Technology Agency	M8~M39	Transformers, electric power, facilities, etc.
	NTT Group companies	M8~M56.	Micro pylons, joints, anchor stoppers, etc.
	Ports and Harbours Bureau	M12~M36	Pier-use bumper stoppers, etc.
	National Police Agency related	M10~M24	Band stoppers for signals, indicators, etc.
	Japan Coast Guard	M10~M36	Marine buoys, patrol boat-related equipment, etc.
Defense Agency	M8~M36	Aegis-equipped vessel engine-related (oscillation stopping), piping, etc.	

Electricity & Gas

Industry	Delivery to	Main sizes	Using places
Electricity & gas	Tokyo Electric Power Co.	M8~M18	Nuclear power plants, instrumentation, piping, etc.
	Tohoku Electric Power Co.	M8~M18	Nuclear power plants, instrumentation, piping, etc.
	Chubu Electric Power Co.	M8~M18	Thermal power plant facilities, etc.
	Kansai Electric Power Co.	M8~M18	Transformer facilities, etc.
	Kyushu Electric Power Co.	M8~M18	Pylon joint facilities, etc.
	Chugoku Electric Power Co.	M8~M18	Mechanical equipment berth screens, etc.
	Tokyo Gas Co., Ltd.	M12	Pipe flange stoppers, etc.

Construction-related

Industry	Delivery to	Main sizes	Using places
Construction -related	Kajima Corporation	M8~M36	Bridges, grating passageways, etc.
	Taisei Corporation		
	Shimizu Corporation		
	Obayashi Corporation		
	Takenaka Corporation		
	Yokogawa Bridge Works, Ltd.		
	Miyaji Iron Works Co., Ltd.		
	Japan Bridge Co., Ltd.		
	Komai Tekko, Inc.		
	Sakurada Co., Ltd.		
	Matsuo Bridge Co., Ltd.		
	Takigami Steel Construction Co., Ltd.		
	AG Aajikawa Corporation	M16~M30	Pylon joints, etc.
	Nippon Denro Mfg. Co., Ltd.		
	Sakai Denko K.K.		
	Harumoto Corporation		
	Katogumi Denko K.K.		
	Denki Kogyo Co., Ltd.		
	Tokyo Tekko Co., Ltd.		
Nasu Denki Tekko Co., Ltd.			
Tomoegumi Ironworks, Ltd.			

Iron and Steel-related

Industry	Delivery to	Main sizes	Using places
Iron and steel-related	Nippon Steel Corporation	M6-M200	In-plant facilities-related, etc.
	JFE Steel Corporation (Kawasaki Steel)		
	JEF Steel Corporation (NKK)		
	Sumitomo Metal Industries, Ltd.		
	Kobe Steel, Ltd.		
	Sky Alumi Products Co., Ltd.	W1/2~W7/8	In-plant facilities-related, etc.
	Nippon Chuzo Co., Ltd.	W1/4~W1/2	In-plant facilities-related, etc.

Cement-related

Industry	Delivery to	Main sizes	Using places
Cement-related	Taiheiyo Cement Corporation	M12-M48	Cement mill liner stoppers, etc.
	Osaka Cement Co., Ltd.		
	Sumitomo Cement Co., Ltd.		
	Nippon Steel Chemical Group		
	Nihon Cement Co., Ltd.		
	Nittetsu Cement Co., Ltd.		
	Tokhoku Kaihatsu Kogyo K.K.		
	Daiichi Cement Co., Ltd.	M12~M20	Bucket conveyors, clean collars, road mills

Electrical Machinery

Industry	Delivery to	Main sizes	Using places
Electrical machinery	Takaoka Electric Mfg. Co., Ltd.	M8-M36	Transformers, breakers, etc.
	Nissin Electric Co., Ltd.	M12-M36	Transformers, breakers, etc.
	Daihen Corporation	M6-M18	Transformers, breakers, etc.
	Mitsubishi Electric Corporation	M6-M48	No-fuse breakers, wheeled machinery, etc.
	Toshiba Corporation	M10-M36	Wheeled machinery, nuclear power parts, plants, etc.
	Fuji Electric Co., Ltd.	M12-M48	Wheeled machinery, generators, etc.
	Taiyo Electric Co., Ltd.	M6-M16	Switchboards, etc.
	Meidensha Corporation	M10-M20	Transformers, impedance boards, etc.
	Hitachi, Ltd.	M8-M64	Nuclear power instrumentation, piping, etc.
	Matsushita Electric Industrial Co., Ltd.	M10-M30	Jet fans, etc.
	Matsushita Seiko Co., Ltd.	M8-M20	Large-sized fans, etc.
	Nippon Signal Co., Ltd.	M6-M36	Signals, electrical switch machines, impedance boards, etc.
	Kyosan Electric Manufacturing Co., Ltd.	M6-M39	Electrical switch machines, point equipment, impedance boards, etc.
Asahi Sagyosho K.K.	M6-M10	Signals, etc.	

Transport Machinery

Industry	Delivery to	Main sizes	Using places
Transport machinery	Toyota Motor Corporation	M8~M36	Yard facilities
	Nissan Motor Co., Ltd.		
	Mitsubishi Motors Corporation		
	Fuji Heavy Industries Ltd.		
	Hino Motors, Ltd.	W5/8~W7/8	Yard facilities-related
	Kanto Auto Works, Ltd.	M10~M80	Yard facilities-related
	Nippon Fruehauf Company, Ltd.	M20	Wing trucks (facing brackets)
	Hino Auto Body, Ltd.	M14	Plate stoppers
	Aichi Corporation	M8~M36	Cranes, lifters
	Nikken Corporation	M6~M20	Lifters
	Kyokuto Kaihatsu Kogyo Co., Ltd.	M8~M36	Hydraulic cylinder piston stoppers, etc.
	IHI Construction Machinery Limited	M20~M42	Construction vehicles, etc.
	Toyota Industries Corporation	M18~M24	Fork lift chain anchors
	Sumitomo Yale	M8~M30	Fork lift drive sections
	Yanmar Diesel Engine Co., Ltd.	M10~M27	Tractors, etc.
	Furukawa Unic Corporation	M16~M18	Truck crane rotating sections
	Tadano Ltd.	M10~M30	Truck cranes
	Hitachi Construction Machinery Co., Ltd.	M42	Shovel car lift sections
	ShinMaywa Industries, Ltd.	M10~M27	Specially-equipped vehicle drive sections
	Sumitomo Heavy Industries, Ltd.	M16~M30	Truck crane clutch sections
	Seirei Industry Co., Ltd.	M8~M30	Binder construction equipment, etc.
	Dynapac Hitachi Construction Co.,Ltd.	M20	Vibration rollers, etc.
	Sakai Heavy Industries, Ltd.	M16~M30	Road stabilizers, etc.
	Sanwa Machine Co., Inc.	M24~M30	Hole diggers/excavators
	Kawasaki Heavy Industries, Ltd.	M8~M30	Various Shinkansen carriage fastening sections, general railway carriages, etc.
	Nippon Sharyo, Ltd.		
	Hitachi, Ltd.		
	Kinki Sharyo Co., Ltd.		
Tokyu Sharyo Seizo K.K.			

Shipbuilding-Related

Industry	Delivery to	Main sizes	Using places
Shipbuilding-related	Hitachi Zosen Corporation	M10~M42	Steel deck ladders
	Mitsui Engineering & Shipbuilding Co., Ltd.		Deck board stoppers
	Ishikawajima-Harima Heavy Industries Co.,		Deck hydraulic oil piping
	Mitsubishi Heavy Industries, Ltd.		Supports (pipe stoppers)
	Kawasaki Heavy Industries, Ltd.		Electric-powered shaft-related bolts
	Sumitomo Heavy Industries, Ltd.		Heating pipe-use bolt fastening nuts
	Japan Coast Guard		Auxiliary machine base mounting bolts
	Defense Agency		Natural lighting equipment-use bolts
			Radar-related mounting bolts
			Engine oscillation stopping mechanisms
			Funnel draft stoppers
			Exhaust gas economizer oscillation stopping mechanisms
			Main engine exhaust gas piping use
			Hatch-related mounting bolts
			Tank ladders
			Generator installation
			Hydraulic oil piping flange stoppers
			Heating coil U-band stoppers
			Tank internal pipe mounting-use band fastening bolts
			Lubricant flange fastening bolts
			Seawater inlet grille mounting bolts
			Stern tube gland packing fastening bolts
			Zinc protector mounting bolts
	Piping supports (LNG and LPG tanker-use)		
	Aegis-equipped vessel engine-related (oscillation stopping), piping, etc.		
	Escort vessel auxiliary machine mounting, engine oscillation stopping, etc.		

Nuclear Power-Related

Industry	Delivery to	Main sizes	Using places
Nuclear power-related	Fukushima No.1 Nuclear Power Plant, Reactors 1~6	M6~M24	Piping support stoppers, etc.
	Fukushima No.2 Nuclear Power Plant, Reactors 1~3		
	Kashiwazaki-Kariha Nuclear Power Plant, Reactors 1~7		
	Onagawa Nuclear Power Plant, Reactors 1~3		
	Higashidori Nuclear Power Plant, Reactor 1		
	Hamaoka Nuclear Power Plant, Reactors 1~5		
	Oi Nuclear Power Plant		
	Takahama Nuclear Power Plant		
	Shiga Nuclear Power Plant		
	Tsuruga Office		
	Spent Nuclear Fuel Recycling Office		
	Tokai Office		
	Oarai Engineering Center		
	FBR Monju Office		
	FBR Fugen Office		
	Ningyo-Toge environmental Engineering Center		
	National Institute for Fusion Science, Toki Office		
JASRI SPring-8, Ako Office			
JAERI Naka Research Establishment			

General Industrial Machinery

Industry	Delivery to	Main sizes	Using places
General industrial machinery	Yutani Heavy Industries, Ltd.	M16~M48	Power shovels, concrete breakers, etc.
	Konan Electric Co., Ltd.	M20~M36	Concrete breakers, etc.
	Kawasaki Heavy Industries, Ltd.	M10~M80	Concrete breakers, plants, robots, etc.
	Nihon Pneumatic Kogyo KK	M24~M30	Concrete breakers, etc.
	Ishikawajima-Harima Heavy Industries Co., Ltd	M6~M90	Cement mills, iron-making machinery, chemical plants, etc.
	Kurimoto, Ltd.	M10~M90	Cement plants, presses, crushing machines, etc.
	Kobe Steel, Ltd.	M8~M64	Compressors, iron-making machinery, etc.
	Kubota Corporation	M10~M64	Water treatment and waste disposal plants, etc.
	Takuma Co., Ltd.	M10~M48	Waste disposal plants, etc.
	Kyokuto Kaihatsu Kogyo Co., Ltd.	M20~M36	Waste disposal plants, etc.
	Mitsubishi Heavy Industries, Ltd.	M8~M96	Wheeled machinery, carrier machinery and plants, etc.
	Sumitomo Heavy Industries, Ltd.	M8~M90	Iron-making machinery, cement plants, etc.
	Go Iron Works Co., Ltd.	M16~M48	Mining machinery, etc.
	Sekigahara Seisakusho Ltd.	M16~M48	Mining machinery, etc.
	Nakamura Jico Co., Ltd.	M8~M72	Universal joints, etc.
	Kureha Elastomer Co., Ltd.	M16~M30	Crushing machines, etc.
	Ube Industries, Ltd.	M10~M56	Iron-making machinery and plants, etc.
	Ishikawajima Shipbuilding and Engineering Co., Ltd	M6~M76	Iron-making machinery and plants, etc.
	Daifuku Co., Ltd.	M6~M56	Multi-level warehousing, ceiling conveyors, etc.
	Tsubakimoto Chain Co.	M6~M42	Electromagnetic brakes, transport machinery, etc.
	Ishikawajima Transport Machinery Co., Ltd.	M10~M56	Multi-level parking, coal car plants etc.
	Mitsui Engineering & Shipbuilding Co., Ltd.	M10~M64	Cranes, etc.
	Hitachi, Ltd.	M6~M64	Compressors, cranes, plants, carriages, etc.
	Kaji Technology Corporation	M8~M24	Compressors, etc.
	NHK Spring Co., Ltd.	M8~M68	Piping support devices, etc.
	Sanwa Tekki Corporation	M6~M64	Mechanical snappers, piping support devices, plants, railway overhead wire, etc.
	Aida Engineering Ltd.	M8~M30	Large presses, die cushions, etc.
	Seishin Enterprise Co. Ltd.	M8~M36	Air hammers, etc.
	Mitsui Miike Machinery Co., Ltd.	M6~M64	Petroleum plants, agitators, jet fans, etc.
	Taiheiyo Metal Industry Inc.	M6~M64	Painting facilities, construction facilities, pollution prevention, etc.
	Sumitomo Metal Mining Co., Ltd.	M12~M30	Air hammers, etc.
	Furukawa Kogyo Co.,Ltd.	M20	Screens, etc.
	Kyoritsu Kikai Co., Ltd.	M16~M30	Straightening machines, etc.

General Industrial Machinery

General industrial machinery	Taikisha Ltd.	M8~M16	Painting facilities (for automobile use), etc.
	Mitsubishi Kakoki Kaisha, Ltd.	M8~M16	Agitating centrifuges, etc.
	Kokenshi Kogyo K.K.	M30~M36	Boring machines, etc.
	Saginomiya Seisakusho Inc.	M30	Testing machines, etc.
	Akebono Brake Industry Co., Ltd.	M8	Brakes for industrial machinery, etc.
	Kawabe Noken Sangyo Co., Ltd.	M10~M12	Excavators, etc.
	Nittoku Metal Industries Co., Ltd.	M10~M36	Clutches for press use, etc.
	Hitachi Metals, Ltd.	M12~M30	Rolling mill rollers, etc.
	Maezawa Industries, Inc.	M10~M24	Water treatment machinery, etc.
	Taiyo Co., Ltd.	M64~M72	Cylinders, etc.
	Nippei Industrial Co., Ltd.	M36	Pile drivers , etc.
	Mitsui Petrochemical Industries, Ltd.	W1/2~W1	Piping support devices, etc.
	Bridgestone Inc.	M8~M64	Yard facilities-related