



HARDLOCK[®]
Solution

**High Temperature
Applications**

HARDLOCK Nuts use on high temperature applications

	Size	Material	Surface treatment	Operation temperature	Applications
HLN	M12~M22	S45C	Aluminum coating	300~600℃	Exhaust pipe of a gas turbine engine for a destroyer ship
HLN	M24	S45C	Manganese Phosphate	300℃	Support of the exhaust pipe of a gas turbine engine for a destroyer ship
HLN	M10	SUS304	Unplated	300℃	Exhaust pipe of a gas turbine engine & infrared signature reduction equipment for a destroyer ship
HLN	M20	SUS304	Aluminum coating	300~600℃	
HLN	M12~M22	SUS316L	Aluminum coating		
HLN	M12~M24	SNB7	Aluminum coating		
HLN	M56x3.0	SNB16	Aluminum coating	543℃	Bypass strainer of a steam turbine for thermal plant (in Kuwait)
HLN	M16~M24	Hastelloy Alloys C-276, C-22	Unplated	500℃	Duct flange of desulfurization equipment for thermal plant
HLN	M16	Titan TB340	Unplated		Side wall support for intake piping of a desulfurization equipment for a thermal plant
HLN	M16~M22	SUS316	Unplated	500℃	Duct flange of desulfurization equipment for a thermal plant
HLN	M8	SUS310S	Unplated	800℃	Electric heater of a furnace for a steel mill

