

11450.2A Reference Paragraph(s)	RCDR Topic	RCDR Number
2-3.11.1 (a) & (c)	Wheel material requirements for top running wheels and packaged hoist/trolley wheels.	25-060

### QUESTION

Q: NAVCRANECEN 11450.2A recommends that top running bridge and trolley wheels be manufactured from rolled-to-shape or roll-forged steel in conformance with ASTM A504 for wrought carbon steel. The 11450.2A further restricts material selection by prohibiting the use of hollow stamped wheels and gray cast iron wheels and specifying hardness values. Is the use of ductile or malleable cast iron wheels permissible for top running bridge and trolley drive applications in GPS applications?

### ANSWER

A: Yes, top running wheels for both commercially available and custom designed bridge or trolley drive assemblies may be manufactured from forged steel or ductile/malleable cast iron for GPS. Hollow stamped wheels remain prohibited.

Gray cast iron wheels may only be used on commercial underhung packaged hoist/trolley units when they are the manufacturer's standard offering.