

11450.2A Reference Paragraph(s)	RCDR Topic	RCDR Number
2-3.2.2 (a) 2-3.2.2 (j)	Allowance for the use of ISO 6336 compliant gearboxes in lieu of AGMA 6013 for all Navy cranes.	25-039

QUESTION

Q: NAVCRANECENT 11450.2A requires that speed reducers be standard commercial products and comply with AGMA 6013. This American National Standard covers industrial enclosed gear drives, including spur, helical, and bevel gearing.

ISO 6336 is a multipart International Standard pertaining to the calculation of load capacity, addressing strength, durability, service life, and material considerations, for spur and helical gears. These calculation methods are based on widely accepted engineering practices and have been validated by industry experts.

ISO 6336 compliant gearboxes are commonly used across Europe and frequently incorporated by U.S.-based crane manufacturers. Given their widespread use and proven reliability, can ISO 6336 compliant gearboxes be used in Navy crane hoist, travel, and rotate drive applications?

ANSWER

A: Yes, ISO 6336 compliant gearboxes may be used on all Navy crane hoist, travel, and rotate drives. All other requirements of NAVCRANECENINST 11450.2 shall be met including materials and service factors.