AAR Cruciform Style Kingpin

MADE IN U.S.A PRODUCT

AAR kingpins are suitable for OEM and aftermarket replacement. They are intended to be installed by welding, using a procedure published by the American Welding Society or other technical organization. When properly installed they will meet or exceed the performance requirements of the American Association of Railroads (AAR) standard M-931 as well as the Society of Automotive Engineers (SAE) and the Truck and Trailer Manufacturers Association (TTMA).

Technical Specifications

- MATERIAL – AISI 4320H
- HEAT TREATMENT
  Through hardened using a quenched and temper process, which produces a surface hardness of 380-420 BHN.
- STRENGTH
  At the above hardness the material will have an approximate 190,000 p.s.i. ultimate strength and 145,000 p.s.i. yield strength.
- IMPACT AND WEAR RESISTANCE
  The high nickel alloy and heat treat process provides a good balance between hardness (wear resistance) and low brittleness (good impact resistance).
- QUALITY ASSURANCE
  Rigid metallurgical cleanliness and quality standards including:
  - 100% Brinell Hardness testing.
  - 100% magnetic particle inspection.
  - 100% ultrasonic testing (MS105, tightened C = 0).

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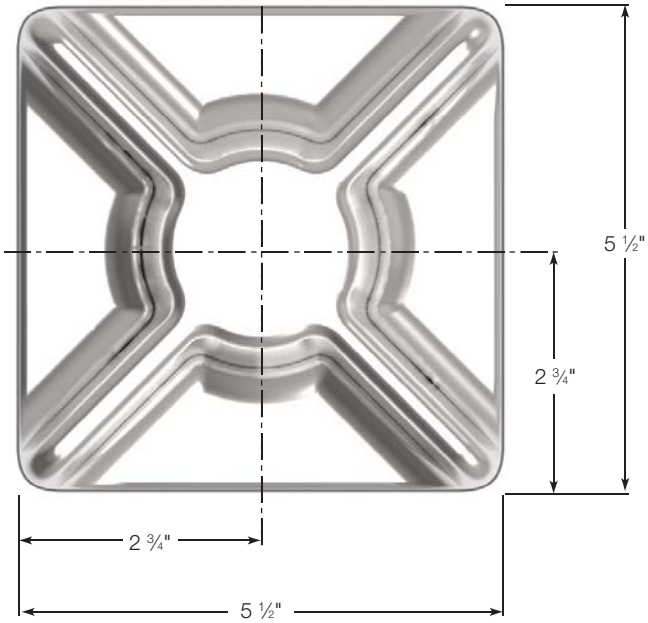
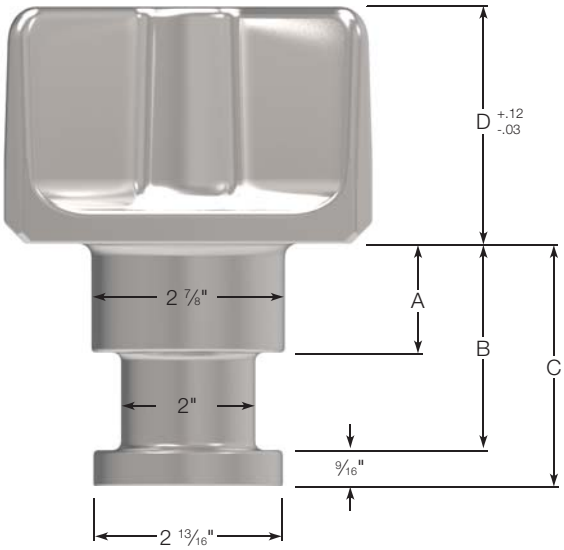
Cruciform Style - 4320H Steel Forging





Part Number	Bolster Plate Thickness	Weight	A	B	C	D
KZ-AAR-X2-2.4	1/4"	15 lbs.	1.558"	3.012"	3.574"	2.44"
KZ-AAR-X3-2.4	5/16"	15 lbs.	1.620"	3.074"	3.636"	2.44"
KZ-AAR-X4-2.4	3/8"	15 lbs.	1.683"	3.137"	3.699"	2.44"
KZ-AAR-X2-3.6	1/4"	18 lbs.	1.547"	3.001"	3.563"	3.46"
KZ-AAR-X3-3.6	5/16"	18 lbs	1.310"	3.064"	3.626"	3.46"
KZ-AAR-X4-3.6	3/8"	18 lbs.	1.683"	3.137"	3.699"	3.46"