

KERKAU MANUFACTURING

MATERIAL IN STOCK

Kerkau Manufacturing stocks a wide variety of flanges from ½" to 48" in Carbon Steel and Stainless Steel. Kerkau also manufactures parts using many other ASTM materials covered by the ASME code to meet any of your demands. Contact one of our sales representatives today for a quote on price and delivery.

Kerkau's Quality Policy

High Quality

Continual Improvement

Customer Satisfaction



The information and data in this product data sheet are accurate to the best of our knowledge and belief, but are intended for informational purposes only, and may be revised at any time without notice. Applications suggested for the materials are described only to help readers make their own evaluations and decisions, and are neither guarantees nor to be construed as express or implied warranties of suitability for these or other applications.



CARBON STEEL

ASTM A105/A105M Basic carbon steel grade used in a wide variety of applications. Kerkau paints A105 black unless otherwise specified.

Tensile(ksi) 70 min Yield(ksi) 36 min Elongation(%) 19 Reduction of Area(%) 23 C .350 max Mn .600-1.05 P .035 max S .040 max Si .100-.350 Cu .400 max Ni .030 max Cr .300 max Mo .120 max V .080 max HBW 137-187

ASTM A350/A350M Grade LF2 Carbon steel grade used in low-temperature applications. This material requires notch toughness testing. Kerkau paints A350 LF2 blue unless otherwise specified.

Tensile(ksi) 70- 95 Yield(ksi) 36 min Elongation(%) 22 Reduction of Area(%) 30 C .300 max Mn .600-1.05 P .035 max S .040 max Si .150-.300 Ni .400 max Cr .300 max Mo .120 max Cu .400 max Cb .020 max V .080 max HBW 197 max

STAINLESS STEEL

ASTM A182 F304/304L This dual-rated stainless steel grade is considered the most popular 18-8 chromium/nickel austenitic stainless steel. 304L is a versatile corrosion resistant alloy suitable for a wide range of general purpose applications. It may be susceptible to chloride stress corrosion cracking.

Tensile(ksi) 75 min Yield(ksi) 30 min Elongation(%) 30 Reduction of Area(%) 50 C .030 max Mn 2.00 max P .045 max S .030 max Si 1.00 max Ni 8.00-11.00 Cr 18.0-20.0 N .100 max HBW N/A

ASTM A182 F316/316L This dual-rated molybdenum-bearing stainless steel has better overall corrosion resistant properties, especially to chlorides, than 304L. 316L is traditionally regarded as the standard "marine grade stainless steel" and is also used in food preparation and medical applications.

Tensile(ksi) 75 min Yield(ksi) 30 min Elongation(%) 30 Reduction of Area(%) 50 C .030 max Mn 2.00 max P .045 max S .030 max Si 1.00 max Ni 8.00-11.00 Cr 18.0-20.0 Mo 2.00-3.00 N .100 max HBW N/A

Kerkau offers many materials not mentioned here, as well as custom flanges to your specifications. We can manufacture according to customer specifications from forgings, rolled rings, bar stock, plate, and castings.

Give us a call at 1-800-248-5060

Or visit us at www.kerkau.com