

Alnico Bar Selection Guide

CUSTOM SOLUTIONS

Alnico magnet material is made by alloying aluminum, nickel and cobalt with iron. Some grades also contain copper and/or titanium. The alloying process is casting or sintering. The process and the heat treatment needed to optimize magnetic properties produces hard (Rc45) and brittle parts that are best shaped or finished by abrasive grinding. Cast parts are generally under 70 pounds and may be used as-is, but polar surfaces are usually ground flat and parallel.



ALNICO ROUND BAR

SGRT Part #	Size
ALN5-ROD-08-6	1/8" DIA x 6.0" LG
ALN5-ROD-16-6	1/4" DIA x 6.0" LG
ALN5-ROD-24-6	3/8" DIA x 6.0" LG
ALN5-ROD-32-6	1/2" DIA x 6.0" LG
ALN5-ROD-48-6	3/4" DIA x 6.0" LG

Common Stock Sizes

Alnico Rod is typically precision cut to customer specified lengths

ALNICO SQUARE / RECTANGLE BAR

SGRT Part #	Size
ALN5-ROD-0816-6	1/8" W x 1/4" TK x 6.0" LG
ALN5-ROD-1616-6	1/4" W x 1/4" TK x 6.0" LG
ALN5-ROD-1632-6	1/4" W x 1/2" TK x 6.0" LG
ALN5-ROD-2424-6	3/8" W x 3/8" TK x 6.0" LG
ALN5-ROD-3232-6	1/2" W x 1/2" TK x 6.0" LG
ALN5-ROD-3248-6	1/2" W x 3/4" TK x 6.0" LG

Common Stock Sizes

Alnico Rod is typically precision cut to customer specified lengths

OTHER ALNICO PRODUCTS AVAILABLE

Alnico Pot Magnet / Shallow Pot Magnet

Alnico Button Magnet

Alnico Horseshoe magnets

Alnico Permanent magnet Assemblies

