

METAL FROM STOCK

The Most Extensive Selection of Hermetic Sealing Alloys

Controlled Expansion Alloys

Kovar Commonly used for high integrity Glass and Ceramic to metal seals, Lids, Lead Frames and Electronic package base plates.

Alloy 36 A Low Expansion Alloy known for good stability over a wide temperature range making it ideal for many applications.

42 Alloy This nickel-iron alloy is ideal for lid, lead frames, stencil/etching, telecommunications and aircraft industry.

45 Alloy, 46 Alloy With it's relatively constant expansion rate, this alloy's predictability allows usage in applications such as terminals and thermostats.

47/50 Alloy, 48,49 Alloy A versatile alloy used in both controlled expansion and shielding applications.

52 Alloy This alloys expansion characteristics make it a good match with glass used in sealing Semiconductor devices.

Low Expansion Alloys

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Electronic Grade Materials

Nickel 200/201/233 A good combination of Toughness, Ductility, Electrical Conductivity, Corrosion Resistance and Strength Retention at high temperatures.

Cupro Nickel, Nickel Silver, Phosphor Bronze Copper based alloys with good corrosion resistance used in coining and stamping applications generally with an aesthetic value.

OFHC Copper 101 & 102 Oxygen Free High Thermal Conductivity are the trademarks of these high copper metals.

Shielding Alloys

HyMu 80 This unique chemistry allows for excellent shielding properties in protecting sensitive devices from stray magnetic waves.

47/50 Alloy, 48,49 Alloy A versatile alloy used in both controlled expansion and shielding applications.

Miscellaneous Grades

1010 Carbon Steel A low carbon steel with good formability and ductility, this metal is typically used in structural and housing type applications.

Stencil Grade Metals

301/302/304 Stainless Excellent Workability, Corrosion Resistance and Strength, these alloys are used for applications that require good appearance and wear.

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High Temperature Metals

Molybdenum This low expansion metal offers great strength and excellent Corrosion Resistance.

Tungsten With a high melting point this metal is used for in a wide variety of industries such as Lighting, Tooling and Aerospace.

Tantalum Strong, Ductile this metal exhibits extremely high corrosion resistance.

Non Stock Alloys

Let us help you procure your alloy.

Stocking Programs Available

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