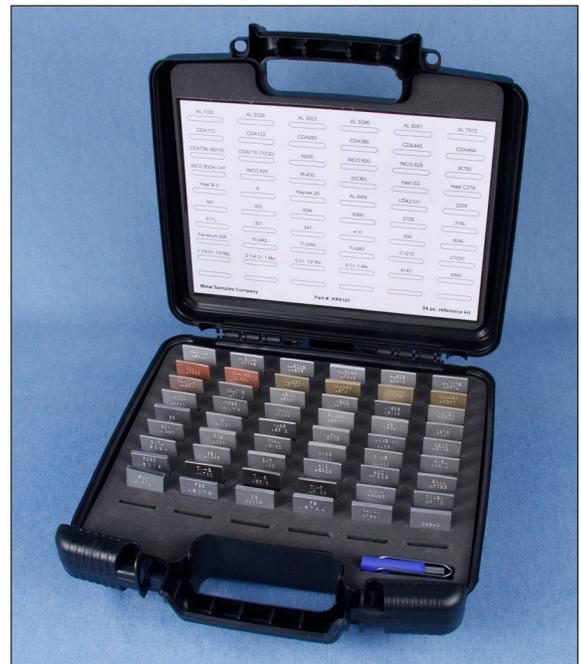


Reference Assortment Kits

Metal Samples has selected some commonly used metals for non-destructive testing. Reference Assortment Kits can be very useful in performing the **Chemical Spot Test**. This test method is based on electrographic extraction of metal atoms from a surface and can be verified by testing on a known alloy. An additional use of these kits is to check the element content of an alloy by examining the color intensity of a chemical spot in comparison to a standard. The reagent chemicals can be tested on a metal standard to ensure the shelf life of the chemical has not been exceeded.

Another non-destructive evaluation that utilizes metal standards is the **Thermoelectric Alloy Separators Test**. This test measures the “EMF” generated by a heat junction of dissimilar metals. The magnitude of the “EMF” is a function of the metal’s chemistry and physical characteristics.

Reference Kit No. KR5100 contains 44 different alloys and Reference Kit No. KR5101 contains 54 different alloys. Additional slots are provided with the kit to expand the selection of alloys to meet your specific requirements. The chemical analysis of each alloy in the kit has been tabulated from mill test reports and certified chemical analyses. These test results are recorded on an analysis sheet that accompanies the assortment. Alloy specimen sizes can be either 1" x 2" x 1/16" or 1" x 2" x 1/8". The alloy specimens have a glass bead blasted finish.



Reference Kit No. KR5100

Contents:		
AL1100	I800H / HT	321
AL2024	I825	347
AL3003	M400	410
AL5052	20Cb3	416
AL5086	G3	420
AL6061	HC-276	430
CDA 110	HB-3	440C
CDA 260	Haynes 25	Ti Gr 2
CDA 360	17-4PH	F255
CDA 464	301	C1010
CDA 510	302	C4140
CDA 706	303	C4340
CDA 715	304L	Mg
I600	316L	Zinc
I625	317L	

Reference Kit No. KR5101

Contents:		
AL1100	I800H / HT	317L
AL2024	I825	321
AL3003	M400	347
AL5086	20Cb3	410
AL6061	G3	430
AL7075	HC-276	904L
CDA 110	HB-3	F255
CDA 122	HX	Ti Gr 2
CDA 260	Haynes 25	Ti Gr 5
CDA 360	Al-6XN	Ti Gr 7
CDA 443	LDX2101	C1010
CDA 464	2205	C1020
CDA 706	301	1 1/4Cr 1/2Mo
CDA 715	302	2 1/4Cr 1Mo
N200	304L	5Cr 1/2Mo
I600	309S	9Cr 1Mo
I625	310S	C4140
IX750	316L	C4340