

Industry Standard Low Alloy Steel Material Selection Guide For Forgings supplied to KBM 120.

This document contains excerpts from KAYDON SPI 63-94-26-0-1 Revision A dated 5/28/04

The following matrix is to be used in the selection of steel used to make forgings when the Kaydon drawing specifies material to meet KBM 120. The Basic Steel may be substituted with any of the indicated alternatives as long as all requirements of KBM 120 are maintained. All certifications supplied with the material will reference the actual specification(s) to which the mill certifies the material.

		<u>Class I</u>		<u>Class II</u>	
		<u>BASIC STEEL</u>	<u>ALTERNATIVES</u>	<u>BASIC STEEL</u>	<u>ALTERNATIVES</u>
Type A	AISI 1050	AISI 1052 50Mn (GB) 50 (GB) C50E (DIN) 42CrMo4 (EN) 48C (JIS) All Other Class/Types	AISI 1552	50Mn2 (GB) 50Mn7 (DIN) 52Mn5 (DIN) AISI 1065 (used only with written approval of metallurgist) Class II, Type B	
	AISI 4140	SCM 440H (JIS) 42CrMo4(EN) 42CrMo(GB) 42CrMo4(DIN) Class II , Type B	AISI 4150	50CrMo4 (EN) SCM 445(JIS) 50CrMo4(DIN) 1.7228 (WN)	