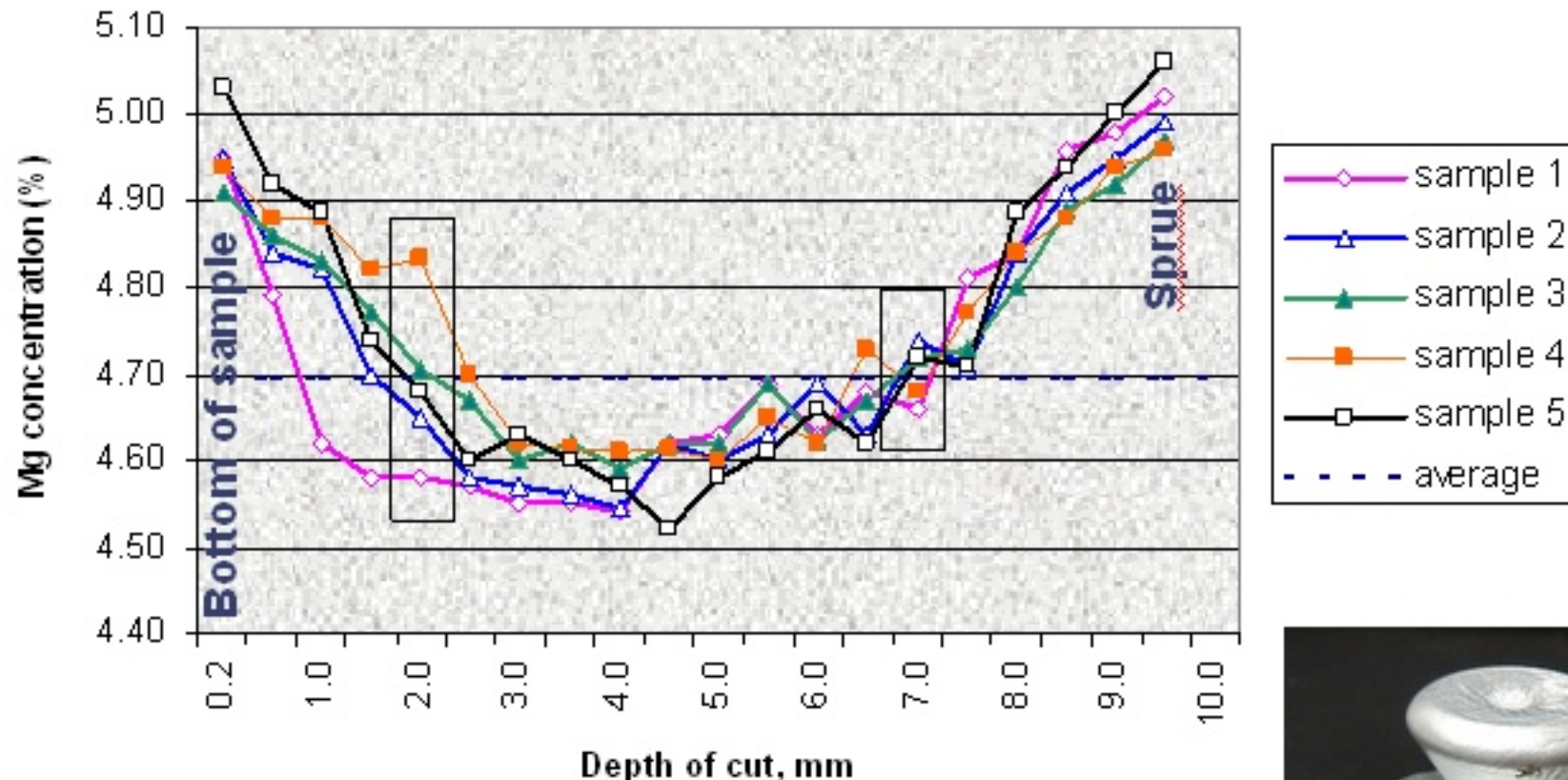


# Mg Segregation vs. depth of cut



The example here is Mg segregation in 5182 alloy. Segregation occurs for all elements to some degree in all alloys. Mg segregation in 5182 is very drastic thus making a good example. Machining from the sprue side of the sample has been found to be best. Consistent depth of cut to the correct depth is critical for obtaining representative chemistry of the melt. Effects of sampling conditions are lessened when samples are machined from the sprue side.

