

Diamond cutting

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Dear friends

I have recently heard that it is not appropriate to cut steel with diamond wheels, because the high wear of the cutting wheel. The reason which explains this fact is that carbon from the diamond diffuses to the steel (carburizing), when sufficient heat is produced (cutting without lubrication or refrigeration). Is this assesment true? We normally cut steel with Alumina or SiC wheels when preparing specimens for metallography.

Thank you

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- *Follow-Ups:*
 - ◆ ***Re: Diamond cutting***
 - ◇ *From:* Uncle Al
- Prev by Date: ***Re: Heavy Liquids***
- Next by Date: ***Re: Diamond cutting***
- Previous by thread: ***Heavy Liquids***
- Next by thread: ***Re: Diamond cutting***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***