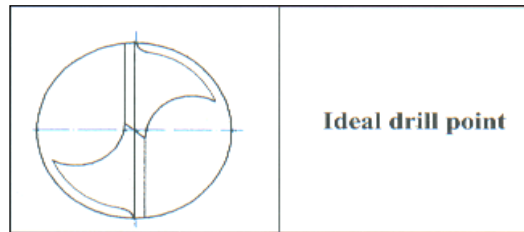




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Ideal drill point

The point geometry is symmetrical and complies with specifications

Drill repointing errors

	<p>Overlap</p>		<p>Gap</p>
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The lack of a correct drill point results in a more negative positioning accuracy, which also has a negative effect on the tool life.

	<p>Flare</p>		<p>Taper</p>
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Purely visual error! No disadvantages result, wear actually increases more slowly.

Due to the flatter cutting edge this drill will wear more quickly. This means a reduced tool life.

	<p>Hook</p>		<p>Layback</p>
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If the hook on the outside diameter is too pointed, it can break off easily, damaging the tool and hole wall.

The flatter cutting edge means that it will wear more quickly. This results in a reduced tool life (compare with flare).

	<p>Wavy</p>		<p>Chips</p>
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The cutting edge will wear more quickly as it is flatter. This results in a shorter tool life (compare with taper).

During regrinding insufficient materials was removed; existing chips are still evident. The tool will wear more quickly in this case.

	<p>Cutting length</p>		<p>Offset</p>
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In both these cases the drill point is no longer in the centre, the drill is diverted when it reaches the top board and drill deviation increases.