



Drilling

Guhring RT 100 T AL: Reduce Cycle Times Deep Hole Drilling in Aluminum

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The RT 100 T AL is Guhring's new specialist for deep hole drilling in aluminum. This tool is used for machining a wide range of components, such as cylinder heads, hydraulic blocks and various molded parts. The deep hole drill's strengths really come to the fore in aluminum with a silicon content of less than nine percent. However, the tool can also be used above this. Four guide chamfers ensure the necessary stability during deep hole drilling. Diameters range from 3 to 14 mm and when it comes to drilling depth, the customer can choose between 15xD, 20xD and 25xD versions.

This drilling tool also has polished surfaces with the lowest Rz values for the flute and web thinning. This reduces the adhesive effect of the aluminum. The deep hole drill is delivered with bright surface finishes as standard but can be coated optionally.

Advantages in drilling aluminum:

- Virtually no material adhesions
- 30% longer tool life and higher cutting data in aluminum and aluminum alloys
- High hole accuracy and very low deviation from concentricity

Micro-treated cutting edges and corners complement the point geometry, ensuring ideal cutting behavior, while low process temperatures prevent the formation of built-up edges when machining nonferrous metals.

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