

Machining

## How to Choose Your Solid Carbide Round Tool

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Solid Round Tools (SRT), cover a range of application types within the areas of solid carbide drilling, milling, tapping, reaming and threading. Each tool is designed to fulfill the demands of high quality, precision and maximum productivity to enable you to get the most out of your machining process. However, given the wide assortment of tools which cover these applications, how do you know that you're making the right choice? It's not the size of the operation, it's the range of application that matters. This statement should be the guiding factor when you select your solid carbide round tool.

Everything we do at Sandvik Coromant is about supporting workflow, efficiency and productivity. From our experience, we know that this requires different solutions for different customers on different occasions. There really is no one size fits all solution. Our solid round tools offer includes three clear-cut solutions to meet your demands. We've segmented our offering of more than 10,000 tools into three easy to choose categories:

- **Versatile Solutions:** A complete range of high performance products that offer the highest flexibility and cost efficiency
- **Optimized Solutions:** A unique line of refined tools for specific needs that provides extreme efficiency, reliability and durability
- **Customized Solutions:** Tailor Made or Advanced Engineered products individually designed to meet the highest demands on performance and complexity

### How To Find The Right Product

In selecting your Sandvik Coromant Solid Round Tool, there are only two steps you need to take in order to gain the most benefit out of our tooling selection. *The first*, is select the application type; milling, drilling, tapping, reaming, etc. *The second* is to select the category of our portfolio according to your application demands. This is where our segmentation within the overall Solid Round Tools portfolio is categorized into the Versatile, Optimized and Customized solutions.

#### Versatile Solutions

If you are looking for one tool that can handle multiple workpiece materials, whether drilling steel or all the way down the ISO materials spectrum to hardened materials, choose the Versatile Solution. This selection will offer you a robust tool for various applications as well which is ideal for small batch and varied production.

Choose the **CoroDrill 460** if you're looking to drill many different material types but are looking for consistent tool life and excellent hole quality.

#### Optimized Solutions

When looking at medium to large batch production which requires a tool truly refined for your specific application, look to an Optimized Solution. This selection will ensure your tool is designed to perform with the highest reliability at maximum efficiency for the specific material you're machining.

Choose the **CoroDrill 860** when looking for a solid carbide drill designed for fast and problem-free drilling, maximizing productivity with excellent chip evacuation.

### **Customized Solutions**

When your machining requirements demand a specific tool not available via any standard offer look to choose a Customized Solution. At Sandvik Coromant we apply advanced application knowledge and expert advice into developing unique tools customized to fit your application. An example of such an application could be drilling components with multiple complex features including multiple steps, seat angles, and chamfers, or simply stepped and chamfered holes where screws or bolt heads need to be "hidden". Want to achieve this in one pass? Make sure you get in touch with an MSC and Sandvik Coromant Sales Representative to develop a tool that fits your complex machining requirements.

### **Reconditioning**

Sandvik Coromant operates specialized reconditioning centers in Europe, Asia and the Americas. Nearly 100 percent of the solid carbide tool assortment is suitable for reconditioning. All centers are certified, equipped with the latest technology, and are held to the same top-quality standards of new tools.

We incorporate a process into the design of our new tools which allows for exact copying for future reconditioning. The reconditioning process will reproduce the same geometry of the original, therefore, we guarantee tool performance of reconditioned tools up to 3 times. Certified reconditioning provides a cost-efficiency savings up to 50% by keeping inventory costs down.

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