



Scudding®



Scudding® Disc Cutters



Scudding® Wafer Cutters



Scudding® Shank Cutter

Scudding® Tool Specifications

The high number of cuts per time unit not only leads to a very short cycle time, it produces high quality gears with a low surface roughness.

| | |
|----------------------------------|-------------------------|
| Machining Speed | 2,000 rpm |
| Cuts per minute | 120,000 |
| Gear Quality | DIN 5-7 |
| Surface Roughness | Rz 1-5 |
| Modules | 0.7 - 5 |
| Max. Diameter - HSS (in, mm) | 8, 200 |
| Max. Diameter - Carbide (in, mm) | 6, 150 |
| Max. Shank Size (in, mm) | 6, 150 |
| Bore Size Options (in,mm) | 0.5, 12.7 - 1.75, 44.45 |

Star SU has formed an exclusive alliance with Profilator to manufacture Scudding® tools for the global market. Scudding® can compete with shaping, broaching and other gear cutting processes to produce gear and spline teeth for both cycle time and tool cost.

Application

- Spur and Helical gears, splines

Advantages

- Makes the production of both internal and external gears possible
- No undercut or groove needed for machining internal/external, spur and helical gears
- Quicker, more efficient and productive than gear shaping
- Shorter cycle times
- Coolant-free machining

Material

- PM High Speed Steel
- Super Alloy High Speed Steel
- Carbide

Coating

- Balzers Alcrona Pro



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