

ARION[®] FG

The Royal Class of Band Sawing



- ▲ Product Level S
- ▭ Trapezoid tooth
- Solid materials
- ↕ Band width 54 x 1.1 - 100 x 1.1mm

Product Information



The Royal Class of Band Sawing

Discover the royal class of band sawing: with ARION[®] FG and its wear-resistant hard coating. With its carbide band saw blade, WIKUS has created a high-performance sawing tool that delivers maximum cutting power, shorter cutting times, and minimal cutting costs and material waste during the sawing process. Thanks to thin-cutting technology, users can benefit from maximum productivity and cost-effectiveness, especially when cutting steels.

Application Range

Application:

- Large series and mass cutting processes on high performance sawing machines
- Short piece production of solid materials, structural, case-hardened and tempering steels as well as cast iron
- Forging technology

Advantages:

- Extremely high cutting rate in continuous operation
- Significantly reduced cutting time and highest productivity
- Low material loss due to thin-cut technology and thereby savings in costs and production process
- Precise flatness of the cutting surfaces
- Excellent efficiency by high blade-life

Features:

- Carbide cutting edge with very wear-resistant grade
- Polished trapezoid tooth (FUTURA[®] geometry)
- Thin-cutting technology with very high blade stability
- Wear-resistant multi-layer hard coating on tooth edges and back edges

Technical Data

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| Dimensions | | Tooth pitch in ZpZ | | | | | |
|-----------------------|---------------|--------------------|---------|----------|----------|-----------|-----------|
| Width x thickness | | | | | | | |
| mm | Inch | 3-4 | 2-3 | 1.7-2 | 1.4-2 | 1-1.4 | 0.7-1 |
| 54 x 1.10 | 2-1/8 x 0.042 | T | T | T | T | | |
| 67 x 1.10 | 2-5/8 x 0.042 | | T | T | T | T | |
| 80 x 1.10 | 3-1/8 x 0.042 | | | | T | T | |
| 100 x 1.10 | 4 x 0.042 | | T | | T | | T |
| Contact length | [mm] | 90-150 | 130-250 | 200-300 | 250-500 | 500-800 | 800-2000 |
| | [Inch] | 3.5-5.9 | 5.1-9.8 | 7.9-11.8 | 9.8-19.7 | 19.7-31.5 | 31.5-78.7 |

T = Trapezoid tooth

Materials Overview



- Case-hardening steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Cast iron