

Tricut® the solid carbide drill-reamer. Sphinx Tools Ltd. is your partner for innovative machining solutions. We provide the perfect tool for every application, along with excellent after-sales service. All Sphinx products are developed and produced entirely in Switzerland.



TITANIUM no problem

Tricut® the solid carbide drill-reamer

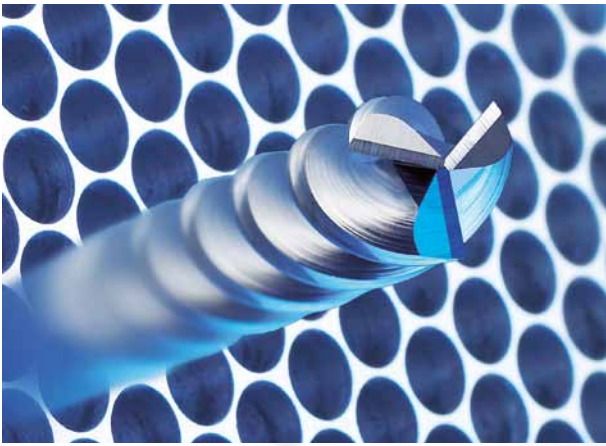
With the **Tricut®**, Sphinx Tools Ltd. provides the perfect tool for drill reaming short-chipping steels, titanium and cast iron.

The **Tricut®** has the highest capability for self-centering. The lands arranged over 120° result in perfect guidance during the drilling process.

Due to these advantages, drilling tolerances in the range of H7 with surface finishes close to reaming are absolutely possible.

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Product advantages:

- Self-centering cutter geometry.
- Finest surface finish for optimal chip flow.
- Optimal guidance with the help of three lands. Holes in the tolerance ranges of H7 to H9 are possible.
- Eat surface finish, highly accurate holes.
- Solid carbide cutting material (ultra fine grain carbide) for high wear resistance and high toughness.
- Structural dimensions according to DIN 6539 and DIN 338.
- Special dimensions are available upon request.

Useable on:

- Steel
- Titanium
- Short-chipping stainless materials
- Cast iron materials (GG, GGG, GGV)
- Sintered materials

Tricut® gives you the best self-centering capability together with high hole quality

Working examples: Tricut® Art. 55338 and 55654: Ø 1,00 mm – 14,00 mm					
Tool description	Catalog article	Catalog article	Catalog article	Catalog article	Catalog article
Coating	X-Ceed			Hardlube Top	
Diameter (mm)	2.00 mm	3.80 mm	2.50 mm	7.20 mm	3.20 mm
Hole depth (mm)	22.00 mm	42.00 mm	12.00 mm	60.00 mm	14.00 mm
Hole	Blind hole	Blind hole	Blind hole	Blind hole	Blind hole
Material group	Tool steel	Tool steel	Roller bearing steel	Titanium	Rust-resistant steel
Material number	Vanadis Superclean	Stellit	1.3505		1.4301
DIN			100 Cr 6	TA6V	X5CrNi 18-10
Machine type	CNC	CNC	CNC	CNC	CNC
Coolant	External/emulsion	External/emulsion	External/emulsion	External/emulsion	External/emulsion
v_c (m/min)	50	30	35	25	30
f (mm/rev.)	0.02	0.02	0.03	0.10	0.03

Available for delivery ex stock: diameter range 1.00 – 14.00 mm.

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