CoroDrill® 860 with -SM geometry

Highly secure drilling in ISO S materials

A robust drill for tough materials

CoroDrill® 860 with -SM geometry offers robust process security and repeatable drilling performance in tough materials such as heat resistant super alloys (HRSAs), titanium and Inconel.

The drill has been designed with a focus on industries where demands for rigorous processes and stringent quality are extremely high e.g. aerospace engine casings, oil and gas valves etc.

Features and benefits

- A consistent cutting edge equipped with a brand new coating ensure reliable and repeatable performance every time
- Equipped with a new grade that provides excellent wear resistance resulting in improved tool life and lower cost per hole
- Robust design and excellent dimensional accuracy significantly improve finished hole tolerance and reduce component damage

Application

- Optimized solution for short hole drilling in heat-resistant super alloys (HRSAs), titanium and Inconel
- Aerospace components and features such as boss, scallop/flange face, casing, low- and high-pressure turbine disk, blisk etc.
- Other applications where process security and stability are important such as oil and gas valve components

S

ISO application area

Performance

Component: Test ring

Material: ISO S

Operation: Drilling

Machine: DMU 125FD duo block

+300% Tool life

	CoroDrill® 846	CoroDrill® 860 with -SM geometry
n, rpm	1219	1219
v_c, m/min (ft/min)	23 (75.46)	23 (75.46)
f_z, mm (inch)	0.05 (0.0019)	0.05 (0.0019)
No. of holes	**30**	**90**

For more information, contact your local Sandvik Coromant representative or visit www.sandvik.coromant.com

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