



**GW*i***  
SERIES 5000

**VS**



# THE PERFECT THREAD

## CUSTOMER BENEFITS

- Process security
- Threads without burrs
- Required tolerance respected
- Better chip evacuation
- 3xD Threading depth
- Internal coolant
- High productivity
- Improved performance

**GW*i*5000**



THREADING SOLUTIONS

# ABSTRACT

The industry demands more and more perfection in threading than ever before. Requirement of a perfect thread is machining the burr free complete profile but unfortunately there was no tool available in the market to fulfill this most important requirement.

Our objective was to develop a tool based on GW series which will produce threads without any burr. The tool cuts the flanks of the thread along with the core hole diameter.

For a perfect thread, a perfect hole is required. Hence DC Swiss also recommends a centre and spiral drill.

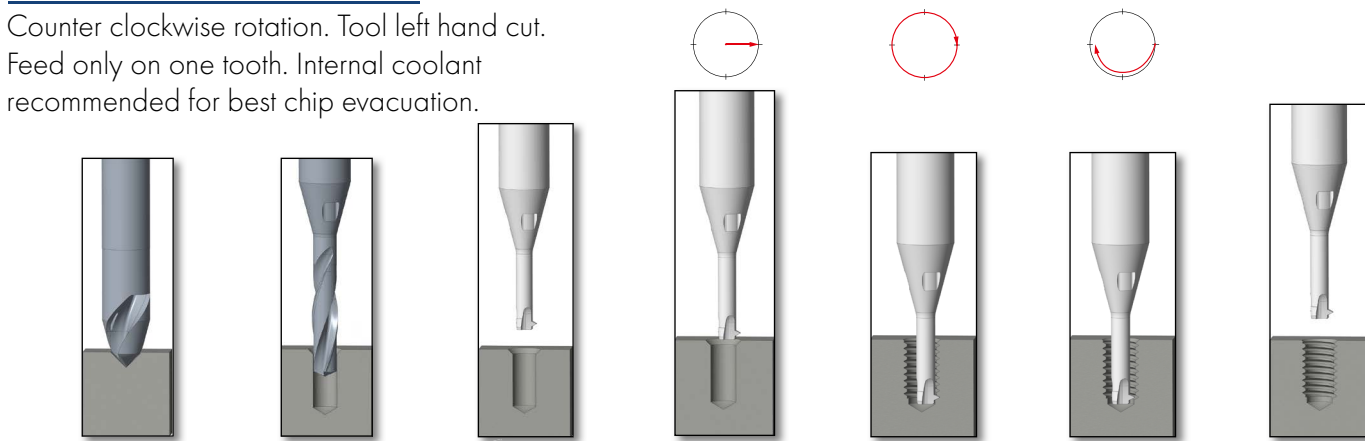
# FEATURES

The ultrafine grade carbide tool coated with VS coating provides excellent heat resistance which is an ideal combination for a high performance machining.

# CYCLE OF MILLING

Counter clockwise rotation. Tool left hand cut.

Feed only on one tooth. Internal coolant recommended for best chip evacuation.



# PRODUCT LINE



## GW15066VS GW15067VS



in stock delivering in 4 weeks

$\varnothing D_1$ M	P mm	$d_1$ mm	$l_1$ mm	$l_{2,5xD}$ mm	$l_{3,3xD}$ mm	$d_2, h_6$ mm		ID	ID
0.8	0.200	0.55	40	2.3	2.7	3	1	189165	
0.9	0.225	0.62	40	2.6	3.1	3	1	189166	
1.0	0.250	0.66	40	2.9	3.4	3	1	189167	
1.2	0.250	0.86	40	3.4	4.0	3	1	189168	
1.4	0.300	1.03	40	4.0	4.7	4	1	189169	189174
1.6	0.350	1.16	40	4.6	5.4	4	1	189170	189175
1.8	0.350	1.36	40	5.1	6.0	4	1	189171	189176
2.0	0.400	1.50	40	5.6	6.6	4	1	189172	189177
2.5	0.450	1.94	40	7.0	8.2	4	1	189173	189178

other dimensions on demand



## FZ315VS



## C315VS

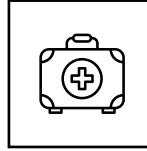
Drill diam. mm	ID	Center diam. mm	ID
0.58	182863	1.40	182872
0.65	182864	2.00	182873
0.70	182865	3.00	182874
0.90	182866		
1.05	182867		
1.19	182868		
1.39	182869		
1.54	182870		
1.98	182871		

# APPLICATION

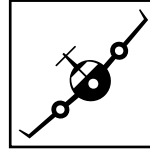
Material: Titan grade 4  
Machine: Tornos Evo Deco  
Typ of hole: Blind hole  
Thread size: M1.8 6H  
Thread length: 2xD  
Lubricant: Cutting oil  
Vc & Feed: 30 m/min & 0.03 mm/tooth

# INDUSTRIES

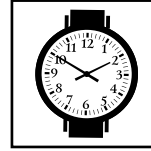
MEDICAL



AERO



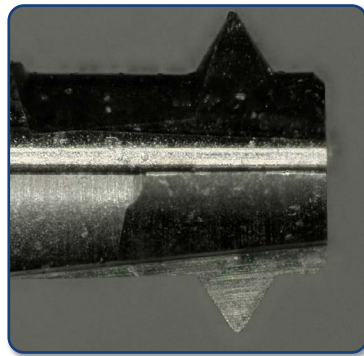
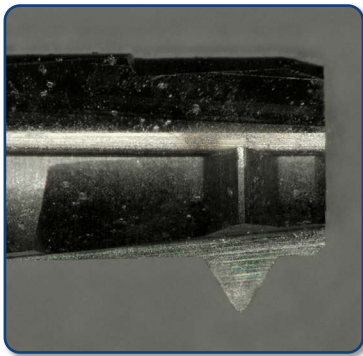
WATCH



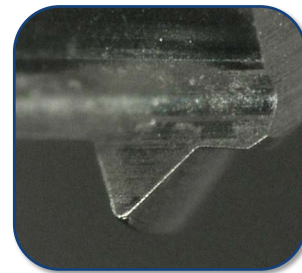
AUTOMOTIVE



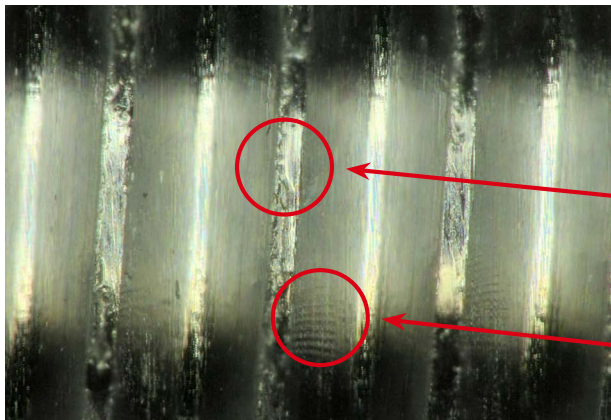
NUMBER OF NC – CORRECTION **GWi5000**: 1 TIME  
NUMBER OF NC – CORRECTION COMPETITOR: 5 TIMES



GWi5066VS M1.8x0.35  
*details*



# COMPETITOR

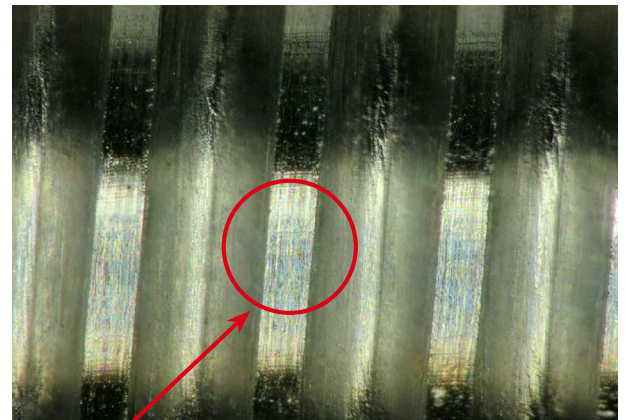


BURRS

VIBRATION

# PERFECT THREAD

GWi5066VS M1.8x0.35



NO BURRS

# nano

THREAD CUTTING



# nano

THREAD FORMING



# nano

THREAD WHIRL CUTTER



# nano

SOFT RIGID TAPPING



# nano

THREAD GAUGES



# nano

GWJ SERIES



**DC SWISS SA**  
Grand-Rue 19  
CH-2735 Malleray  
Tel. + 41 32 491 63 63  
info@dcswiss.ch

**DC Swiss GmbH**  
Graseggerstrasse 125  
DE-50737 Köln  
Tel. + 49 221 995 532 0  
info@dcswiss.de

**DC Nano Tools SA**  
Grand-Rue 19  
CH-2735 Malleray  
Tel. + 41 32 491 63 63  
info@dcswiss.ch

**DC Swiss s.r.l**  
Via Canova 10  
IT-20017 Rho  
Tel. + 39 02 669 40 41  
info@dcswiss.it



**DC Swiss UK Ltd**  
9 Orgreave Road  
GB-Sheffield S13 9LQ  
Tel. + 44 114 293 90 13  
info@dcswiss.co.uk