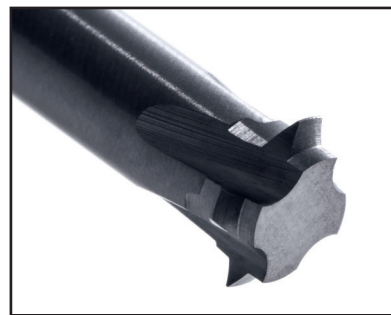
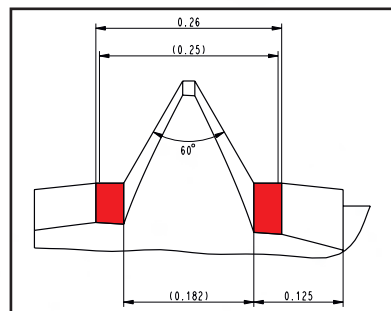




Evolution never stops

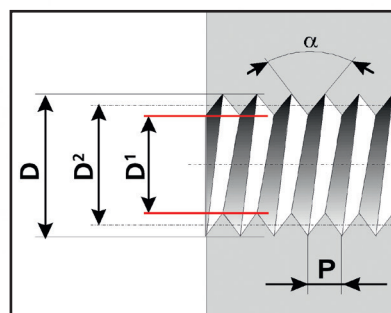
The new multi fluted solid carbide thread whirler with full profile form GW4116/GW4119 replaces the current GW4016/GW4019 series. The new tool ensures a burr-free thread, even in demanding materials, up to $4 \times D_1$ threading depth.



Quality meets functionality

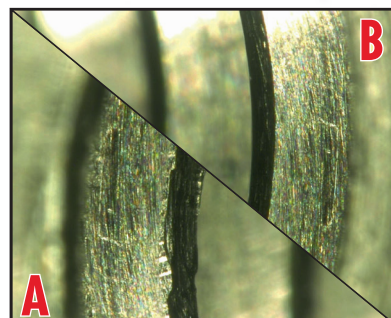
Thanks to an optimized production process, the surface quality of the new GW41-series has been essentially improved. The benefits are an increased cutting stability with an all-new profile design.

Sketch: M1 4H / Zoom 300x



Burr-Free Thread Forms

Through the specific multi-teeth profile and an additional cutting ledge at the top of the whirler, the core hole diameter D_1 will be cut as well. The result is an absolute burr free thread under respect of the required tolerance.



The small difference

Optical difference of the two threads :

A = Standard Thread Whirl Cutter

B = Full Profile Thread Whirl Cutter

Application: M6 6H, 12 mm threading depth / Zoom 150x

DC SWISS SA

CH-2735 Malleray

Tel. +86 021-37652176

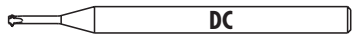
info@guido-tools.com



www.guido-tools.com



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h5

GW

GW4116



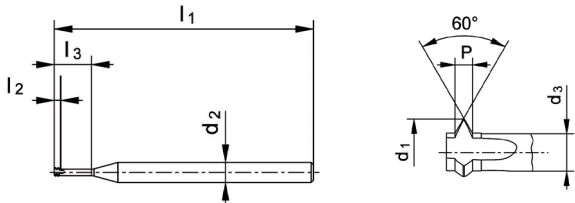
GW4116VS



GW4119



GW4119VS



GW4116

GW4116VS

GW4119

GW4119VS



Ø D ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂ h5	d ₃		
M	mm	mm	mm	mm	mm	mm	mm		
0.8	0.20	0.51	39	0.40	2.3	3	0.23	3	0.58*
0.9	0.225	0.57	39	0.45	2.6	3	0.26	3	0.65*
1.0	0.25	0.64	39	0.50	2.9	3	0.29	3	0.70*
1.2	0.25	0.84	39	0.50	3.4	3	0.49	3	0.90*
1.4	0.30	0.97	39	0.60	4.0	3	0.55	3	1.05*
1.6	0.35	1.09	39	0.70	4.6	3	0.60	3	1.19*
1.8	0.35	1.29	39	0.70	5.1	3	0.80	3	1.39*
2.0	0.40	1.42	39	0.80	5.6	3	0.86	3	1.54*
2.5	0.45	1.85	39	0.90	7.0	3	1.22	3	1.98*
3.0	0.50	2.28	51	1.00	8.5	5	1.58	4	2.43*
3.5	0.60	2.63	51	1.20	10.0	5	1.79	4	2.80*
4.0	0.70	2.99	51	1.40	11.4	5	2.01	4	3.20*
5.0	0.80	3.84	51	1.60	14.1	5	2.72	4	4.10*
6.0	1.00	4.55	51	2.00	17.0	5	3.15	4	4.90*

Ø D ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂ h5	d ₃		
M	mm	mm	mm	mm	mm	mm	mm		
0.8	0.20	0.51	39	0.40	3.5	3	0.23	3	0.58*
0.9	0.225	0.57	39	0.45	4.0	3	0.26	3	0.65*
1.0	0.25	0.64	39	0.50	4.4	3	0.29	3	0.70*
1.2	0.25	0.84	39	0.50	5.2	3	0.49	3	0.90*
1.4	0.30	0.97	39	0.60	6.1	3	0.55	3	1.05*
1.6	0.35	1.09	39	0.70	7.0	3	0.60	3	1.19*
1.8	0.35	1.29	39	0.70	7.8	3	0.80	3	1.39*
2.0	0.40	1.42	39	0.80	8.6	3	0.86	3	1.54*
2.5	0.45	1.85	39	0.90	10.7	3	1.22	3	1.98*
3.0	0.50	2.28	51	1.00	13.0	5	1.58	4	2.43*
3.5	0.60	2.63	51	1.20	15.2	5	1.79	4	2.80*
4.0	0.70	2.99	51	1.40	17.4	5	2.01	4	3.20*
5.0	0.80	3.84	51	1.60	21.6	5	2.72	4	4.10*
6.0	1.00	4.55	51	2.00	26.0	5	3.15	4	4.90*

*Tol. +0.03 mm
0

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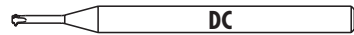
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h5

GW

GW4116



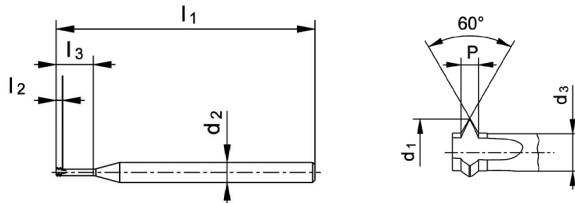
GW4116VS



GW4119



GW4119VS



Ø" D ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂ h5	d ₃		
UNC	TPI	mm	mm	mm	mm	mm	mm		
2	56	1.52	39	0.91	6.2	3	0.89	3	1.65*
4	40	1.92	39	1.27	8.1	3	1.03	3	2.10*
6	32	2.35	51	1.59	10.4	5	1.24	4	2.60*
1/4	20	4.51	51	2.54	18.5	5	2.73	4	5.00*

Ø" D ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂ h5	d ₃		
UNF	TPI	mm	mm	mm	mm	mm	mm		
10	32	3.67	51	1.59	13.7	5	2.56	4	3.95*
1/4	28	4.95	51	1.81	17.7	5	3.68	4	5.35*

Ø" D ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂ h5	d ₃		
UNC	TPI	mm	mm	mm	mm	mm	mm		
2	56	1.52	39	0.90	9.5	3	0.89	3	1.65*
4	40	1.92	39	1.27	12.4	3	1.03	3	2.10*
6	32	2.35	51	1.59	15.6	5	1.24	4	2.60*
1/4	20	4.51	51	2.54	28.0	5	2.73	4	5.00*

Ø" D ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂ h5	d ₃		
UNF	TPI	mm	mm	mm	mm	mm	mm		
10	32	3.67	51	1.59	20.9	5	2.56	4	3.95*
1/4	28	4.95	51	1.81	27.3	5	3.68	4	5.35*

*Tol. +0.03 mm
0

GW4116

GW4116VS

GW4119

GW4119VS



ID

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167518

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