



GW*i*
SERIES 3000

GW
SERIES 3000

FR-ID-1017

 **SWISS MADE**

 **DC**® **THREADING
TECHNOLOGY**

LA MEILLEURE SOLUTION POUR ACIERS INOXYDABLES ET ALLIAGES DE NICKEL



Évacuation de copeaux



Durée de vie doublée



Processus sécurisé



Pas de soudure froide

GW*i*
SERIES 3000

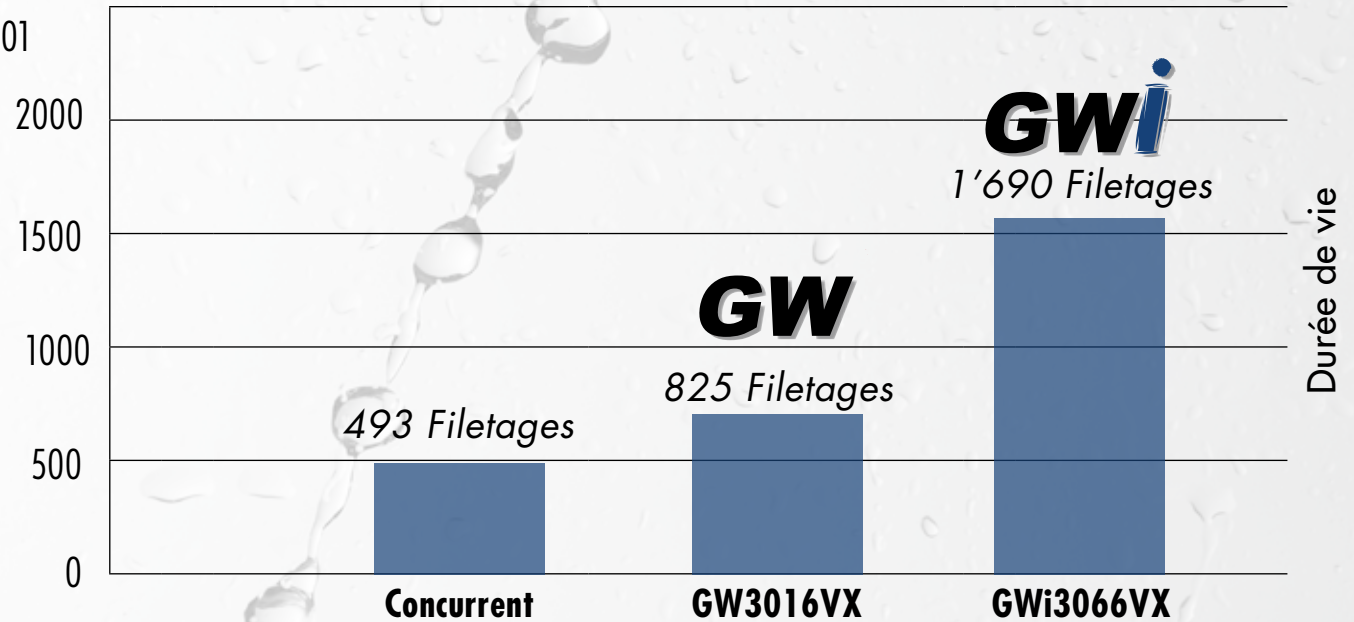


Ø 0.8 - 6.5 mm

Ø 6.5 - 20 mm

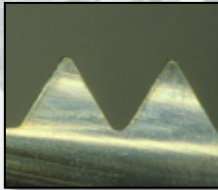
PERFORMANCE

Matière: Acier inoxydable (austénitique), 1.4301
Machine: DMC 650V
Genre de trou: Trou borgne
Dia. de filetage: M3 6H
Longueur fileté: 2 x D₁
Lubrifiant: Émulsion 8%
Vc & Avance: 50 m/min & 0.02 mm/dent

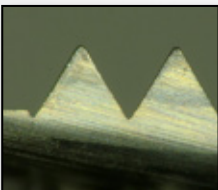


USURE

GWi VX
 1'690 Filetages

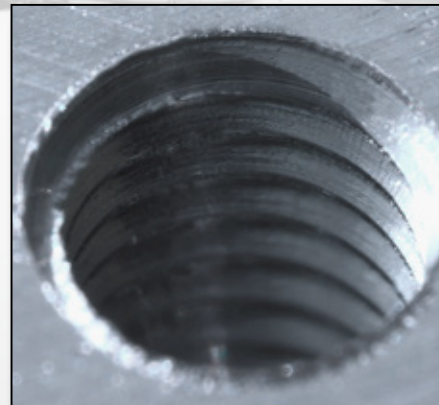


GW VX
 825 Filetages



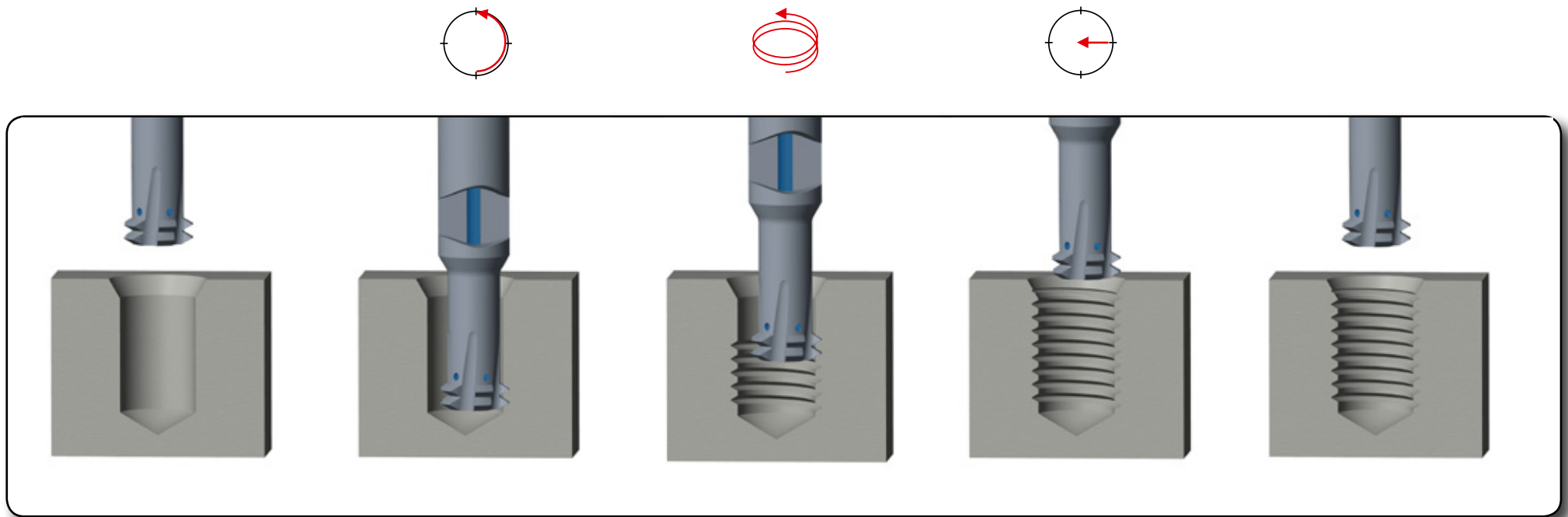
QUALITÉ DE SURFACE

1'690 Filetages



1'690 Filetages dans la matière 1.4301
Nombre de corrections NC: 2
 (Concurrent: 5)

CYCLE DE PROGRAMMATION



PICTOGRAMMES



Longueur filetée 2.5 x D_1



Longueur filetée 3 x D_1



Longueur filetée 4 x D_1



Protection contre l'usure



Protection contre l'usure



Carbure monobloc



Filetage intérieur



Classe de tolérance



Usinage HSC



Lubrification intérieure GWi



Profil GW



Du stock



Livraison en 3 semaines




























TABELLE D'UTILISATION

UTILISATION

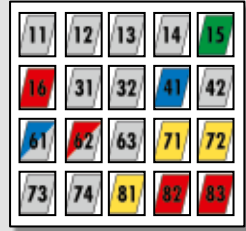
 Optimale  Fonctionnelle

CLASSIFICATION DES MATIÈRES

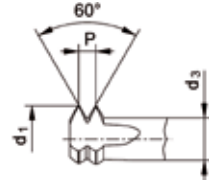
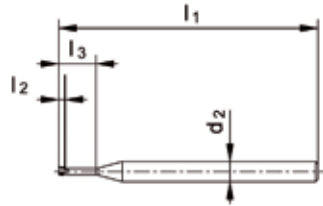
Matières	Désignation des matières	Dureté (HB)	Résistance Rm (N/mm ²)	Allongement A (%)
Aciers	11 Aciers de décolletage	<200	<700	<10
	12 Aciers de construction / cémentation	<200	<700	<30
	13 Aciers au carbone	<300	<1000	<20
	14 Aciers alliés <850 N/mm ²	<250	<850	<30
	15 Aciers alliés / traités >850 - <1150 N/mm ²	>250	>850	<30
	16 Aciers haute résistance	>250	>850	<12
Aciers inoxydables	21 Aciers inoxydables / soufrés	<250	<850	<25
	22 Austénitiques	<250	<850	>20
	23 Ferritiques et martensitiques <850 N/mm ²	<250	<850	>20
	24 Ferritiques et martensitiques >850 - <1150 N/mm ²	>250	>850	>15
Fonte	31 Fonte grise	<250	<850	<10
	32 Fonte à graphite sphéroïdale et malléable	<250	<850	>10
Titane	41 Titane pur	<250	<850	>20
	42 Alliage de titane	>250	>850	<20
Nickel	51 Alliage de Nickel 1 <850 N/mm ²	<250	<850	>25
	52 Alliage de Nickel 2 >850 - <1150 N/mm ²	>250	>850	<25
	53 Alliage de Nickel 3 >1150 - ≤1600 N/mm ²	>340	>1150	<20
Cuivre	61 Cuivre pur (électrolytique)	<120	<400	>12
	62 Laiton, bronze (copeaux courts)	<200	<700	<12
	63 Laiton (copeaux longs)	<200	<700	>12
Aluminium Magnésium	71 Al non allié	<100	<350	>15
	72 Al allié Si < 1.5 %	<150	<500	>15
	73 Al allié Si > 1.5 % - < 10 %	<120	<400	<15
	74 Al allié Si > 10 %, Alliances Magnésium	<120	<400	<10
Matières plastiques	81 Matières thermoplastiques	-	-	-
	82 Matières duroplastiques	-	-	-
	83 Matières plastiques renforcées par fibres	-	-	-

GWi GW		Vc (m/min)		Avance fz (mm/dent)			
VS	VX	VS	VX	∅ 0.3 - 1.0	∅ 1.01 - 3.0	∅ 3.01 - 6.0	∅ 6.01 - 20.0
				80 - 100	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10
				80 - 100	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10
				70 - 90	0.004 - 0.01	0.01 - 0.05	0.02 - 0.10
				70 - 90	0.004 - 0.01	0.01 - 0.05	0.02 - 0.10
				30 - 50	0.004 - 0.01	0.01 - 0.05	0.02 - 0.08
				15 - 40	0.003 - 0.01	0.006 - 0.03	0.008 - 0.05
				40 - 60	0.004 - 0.01	0.01 - 0.05	0.02 - 0.10
				30 - 50	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				30 - 50	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				30 - 50	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				90 - 120	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10
				70 - 90	0.004 - 0.01	0.01 - 0.05	0.02 - 0.10
				20 - 40	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				15 - 35	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				20 - 40	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				20 - 40	0.004 - 0.01	0.01 - 0.03	0.02 - 0.05
				20 - 30	0.003 - 0.01	0.006 - 0.03	0.008 - 0.05
				200 - 250	0.004 - 0.01	0.01 - 0.05	0.02 - 0.10
				150 - 200	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10
				150 - 200	0.004 - 0.01	0.01 - 0.05	0.02 - 0.10
				200 - 300	0.004 - 0.01	0.01 - 0.05	0.05 - 0.10
				200 - 300	0.004 - 0.01	0.01 - 0.05	0.05 - 0.10
				200 - 300	0.004 - 0.01	0.01 - 0.05	0.05 - 0.10
				200 - 300	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10
				200 - 300	0.004 - 0.01	0.01 - 0.05	0.05 - 0.10
				100 - 200	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10
				80 - 100	0.004 - 0.01	0.01 - 0.05	0.04 - 0.10

GWi3066VS
GWi3067VS
GWi3069VS



GWi3066VX
GWi3067VX



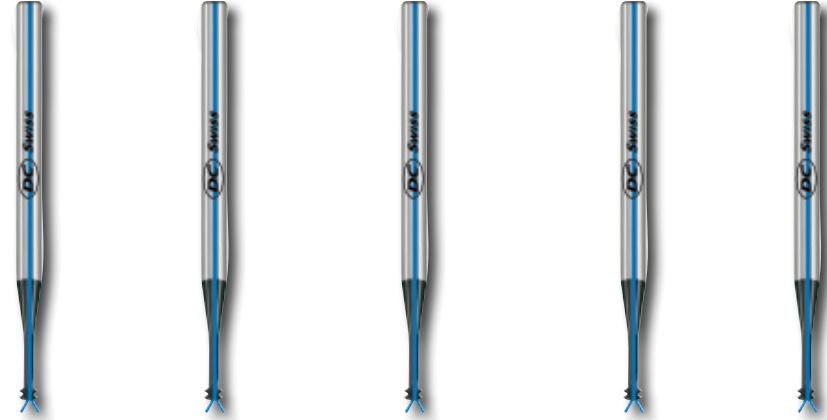
GWi3066VS

GWi3067VS

GWi3069VS

GWi3066VX

GWi3067VX



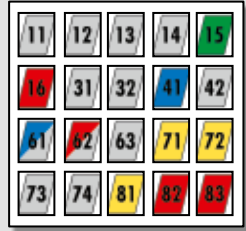
D ₁	P	d ₁	l ₁		l ₃		l ₃		d ₂ h6		d ₃		
			2.5 · 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁						
M 0.8	0.2	0.57	40	2.3	2.7	40	3.5	3	0.29	3	0.65		
0.9	0.225	0.64	40	2.6	3.0	40	3.9	3	0.33	3	0.70		
1	0.25	0.71	40	2.9	3.4	40	4.4	3	0.36	3	0.75		
1.2	0.25	0.91	40	3.4	4.0	40	5.2	3	0.56	3	0.95		
1.4	0.3	1.06	40	3.9	4.6	40	6.0	4	0.64	3	1.10		
1.6	0.35	1.20	40	4.5	5.3	40	6.9	4	0.71	3	1.25		
1.8	0.35	1.40	40	5.0	5.9	40	7.7	4	0.91	3	1.45		
2	0.4	1.54	40	5.6	6.6	40	8.6	4	0.98	3	1.60		
2.5	0.45	1.98	40	6.9	8.1	40	10.6	4	1.35	3	2.05		
3	0.5	2.43	51	8.4	9.9	51	12.9	5	1.73	4	2.50		
3.5	0.6	2.81	51	9.9	11.6	51	15.1	6	1.97	4	2.90		
4	0.7	3.20	51	11.3	13.3	51	17.3	6	2.22	4	3.30		
5	0.8	4.08	51	14.0	16.5	51	21.5	8	2.96	4	4.20		
6	1	4.85	51	16.8	19.8	51	25.8	8	3.45	4	5.00		
8	1.25	5.95	75	23.0	27.0	75	35.0	6	4.20	5	6.80		
10	1.5	7.95	83	28.0	33.0	83	43.0	8	5.85	5	8.50		
12	1.75	9.95	95	34.0	40.0	95	52.0	10	7.50	5	10.25		
14	2	10.95	120	44.0	52.0	120	68.0	12	8.15	5	12.00		
16	2	10.95	120	44.0	52.0	120	68.0	12	8.15	5	14.00		
18	2.5	13.95	135	55.0	65.0	135	85.0	14	10.45	6	15.50		
20	2.5	13.95	135	55.0	65.0	135	85.0	14	10.45	6	17.50		

ID

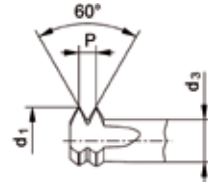
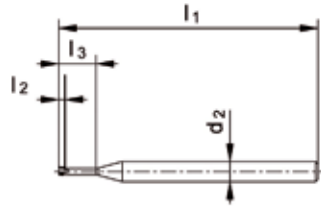


186029			187325		
186030			187326		
186031			187327		
186032			187328		
186033	186443		187329	187453	
186034	186444		187330	187454	
186035	186445		187331	187455	
186036	186446		187332	187456	
186037	186447		187333	187457	
186038	186448	186610	187334	187458	
186039	186449	186611	187335	187459	
186040	186450	186612	187336	187460	
186041	186451	186613	187337	187461	
186042	186452	186614	187338	187462	
186043	186453	186615	187339	187463	
186044	186454	186616	187340	187464	
186045	186455	186617	187341	187465	
186046	186456	186618	187342	187466	
186817	186825	186833	187343	187467	
186047	186457	186619	187344	187468	
186818	186826	186834	187345	187469	

GW3016VS
GW3017VS
GW3019VS



GW3016VX
GW3017VX



GW3016VS

GW3017VS

GW3019VS

GW3016VX

GW3017VX



D ₁	P	d ₁	l ₁ 2.5 - 3 x D ₁	l ₃ 2.5 x D ₁	l ₃ 3 x D ₁	l ₁ 4 x D ₁	l ₃ 4 x D ₁	d ₂ h5	d ₃	⌀	⌀
M 0.8	0.2	0.57	39	2.3	2.7	39	3.5	3	0.29	3	0.65
0.9	0.225	0.64	39	2.6	3.0	39	3.9	3	0.33	3	0.70
1	0.25	0.71	39	2.9	3.4	39	4.4	3	0.36	3	0.75
1.2	0.25	0.91	39	3.4	4.0	39	5.2	3	0.56	3	0.95
1.4	0.3	1.06	39	3.9	4.6	39	6.0	3	0.64	3	1.10
1.6	0.35	1.20	39	4.5	5.3	39	6.9	3	0.71	3	1.25
1.8	0.35	1.40	39	5.0	5.9	39	7.7	3	0.91	3	1.45
2	0.4	1.54	39	5.6	6.6	39	8.6	3	0.98	3	1.60
2.5	0.45	1.98	39	6.9	8.1	39	10.6	3	1.35	3	2.05
3	0.5	2.43	51	8.4	9.9	51	12.9	5	1.73	4	2.50
3.5	0.6	2.81	51	9.9	11.6	51	15.1	5	1.97	4	2.90
4	0.7	3.20	51	11.3	13.3	51	17.3	5	2.22	4	3.30
5	0.8	4.08	51	14.0	16.5	51	21.5	5	2.96	4	4.20
6	1	4.85	51	16.8	19.8	51	25.8	5	3.45	4	5.00
8	1.25	5.95	63	23.0	27.0	75	35.0	6*	4.20	5	6.80
10	1.5	7.95	67	28.0	33.0	83	43.0	8*	5.85	5	8.50
12	1.75	9.95	76	34.0	40.0	95	52.0	10*	7.50	5	10.25
14	2	10.95	95	44.0	52.0	120	68.0	12*	8.15	5	12.00
16	2	10.95	95	44.0	52.0	120	68.0	12*	8.15	5	14.00
18	2.5	13.95	105	55.0	65.0	135	85.0	14*	10.45	6	15.50
20	2.5	13.95	105	55.0	65.0	135	85.0	14*	10.45	6	17.50

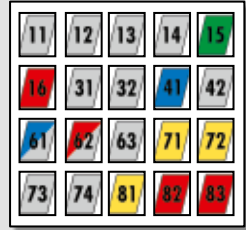
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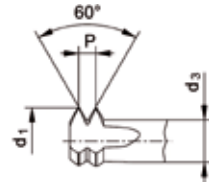
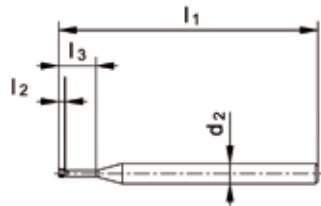


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167036	186267	167078	187262	187390
167037	186268	167079	187263	187391
167038	186269	167080	187264	187392
167039	186270	167081	187265	187393
167040	186271	167082	187266	187394
167041	186272	167083	187267	187395
167042	186273	167084	187268	187396
167043	186274	167085	187269	187397
167044	186275	167086	187270	187398
167045	186276	167087	187271	187399
167046	186277	167088	187272	187400
167047	186278	167089	187273	187401
167048	186279	167090	187274	187402
175243	186280	175274	187275	187403
175244	186281	175275	187276	187404
175245	186282	175276	187277	187405
184748	186283	184751	187278	187406
186813	186821	186829	187279	187407
184503	186284	184754	187280	187408
186814	186822	186830	187281	187409

GWi3066VS
GWi3067VS
GWi3069VS



GWi3066VX
GWi3067VX



GWi3066VS



GWi3067VS



GWi3069VS



GWi3066VX



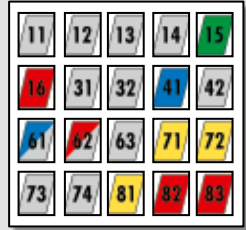
GWi3067VX



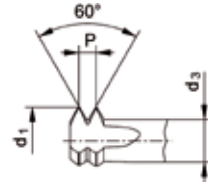
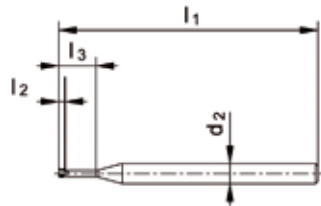
D ₁	P	d ₁	l ₁			l ₃		d ₂ h ₆		d ₃	ID					
			2.5 · 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁									
MF2	0.2	1.77	40	5.3	6.3	40	8.3	4	1.49	3	1.80	186086	186488	187346	187470	
2	0.25	1.71	40	5.4	6.4	40	8.4	4	1.36	3	1.75	186087	186489	187347	187471	
2.5	0.2	2.27	40	6.6	7.8	40	10.3	4	1.99	3	2.30	186088	186490	187348	187472	
2.5	0.25	2.21	40	6.6	7.9	40	10.4	4	1.86	3	2.25	186089	186491	187349	187473	
3	0.35	2.60	51	8.2	9.7	51	12.7	5	2.11	4	2.65	186090	186492	186620	187350	187474
4	0.5	3.43	51	10.9	12.9	51	16.9	6	2.73	4	3.50	186091	186493	186621	187351	187475
5	0.5	4.43	51	13.4	15.9	51	20.9	8	3.73	4	4.50	186092	186494	186622	187352	187476
6	0.75	4.95	51	16.4	19.4	51	25.4	8	3.90	4	5.25	186093	186495	186623	187353	187477
8	1	5.95	75	22.0	26.0	75	34.0	6	4.55	5	7.00	186094	186496	186624	187354	187478
10	1	7.95	83	27.0	32.0	83	42.0	8	6.55	5	9.00	186095	186497	186625	187355	187479
10	1.25	7.95	83	28.0	33.0	83	43.0	8	6.20	5	8.75	186096	186498	186626	187356	187480
12	1.5	9.95	95	33.0	39.0	95	51.0	10	7.85	5	10.50	186097	186499	186627	187357	187481
14	1.5	10.95	120	43.0	51.0	120	67.0	12	8.85	5	12.50	186098	186500	186628	187358	187482
16	1.5	10.95	120	43.0	51.0	120	67.0	12	8.85	5	14.50	186819	186827	186835	187359	187483
18	1.5	13.95	135	53.0	63.0	135	83.0	14	11.85	6	16.50	186099	186501	186629	187360	187484
20	1.5	13.95	135	53.0	63.0	135	83.0	14	11.85	6	18.50	186820	186828	186836	187361	187485



GW3016VS
GW3017VS
GW3019VS



GW3016VX
GW3017VX



GW3016VS

GW3017VS

GW3019VS

GW3016VX

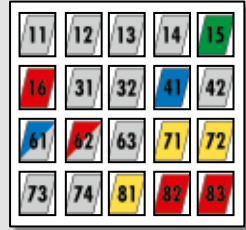
GW3017VX



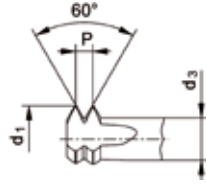
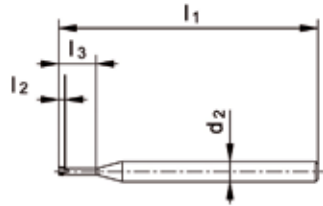
D ₁	P	d ₁	<i>l</i> ₁			<i>l</i> ₃		<i>l</i> ₁		<i>l</i> ₃		d ₂ h5	d ₃	ID		
			2.5 - 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁									
MF2	0.2	1.77	39	5.3	6.3	39	8.3	3	1.49	3	1.80	171442	186325	175270	187282	187410
2	0.25	1.71	39	5.4	6.4	39	8.4	3	1.36	3	1.75	186209	186326	186592	187283	187411
2.5	0.2	2.27	39	6.6	7.8	39	10.3	3	1.99	3	2.30	175241	186327	175271	187284	187412
2.5	0.25	2.21	39	6.6	7.9	39	10.4	3	1.86	3	2.25	167299	186328	175272	187285	187413
3	0.35	2.60	51	8.2	9.7	51	12.7	5	2.11	4	2.65	175242	186329	175273	187286	187414
4	0.5	3.43	51	10.9	12.9	51	16.9	5	2.73	4	3.50	184572	186330	186593	187287	187415
5	0.5	4.43	51	13.4	15.9	51	20.9	5	3.73	4	4.50	186210	175199	171033	187288	187416
6	0.75	4.95	51	16.4	19.4	51	25.4	5	3.90	4	5.25	186211	186331	186594	187289	187417
8	1	5.95	63	22.0	26.0	75	34.0	6*	4.55	5	7.00	186212	181233	186595	187290	187418
10	1	7.95	67	27.0	32.0	83	42.0	8*	6.55	5	9.00	186213	186332	186596	187291	187419
10	1.25	7.95	67	28.0	33.0	83	43.0	8*	6.20	5	8.75	186214	186333	186597	187292	187420
12	1.5	9.95	76	33.0	39.0	95	51.0	10*	7.85	5	10.50	186215	186334	186598	187293	187421
14	1.5	10.95	95	43.0	51.0	120	67.0	12*	8.85	5	12.50	186216	186335	186599	187294	187422
16	1.5	10.95	95	43.0	51.0	120	67.0	12*	8.85	5	14.50	186815	186823	186831	187295	187423
18	1.5	13.95	105	53.0	63.0	135	83.0	14*	11.85	6	16.50	186217	186336	186600	187296	187424
20	1.5	13.95	105	53.0	63.0	135	83.0	14*	11.85	6	18.50	186816	186824	186832	187297	187425

* tol. h6

GWi3066VS
GWi3067VS
GWi3069VS



GWi3066VX
GWi3067VX



GWi3066VS



GWi3067VS



GWi3069VS



GWi3066VX

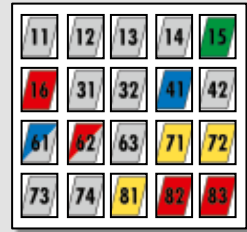


GWi3067VX

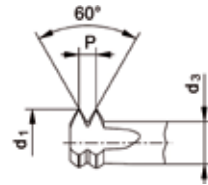
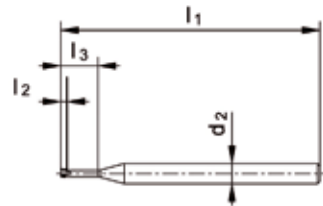


D ₁	P	D ₁	d ₁	l ₁	l ₃	l ₃	l ₁	l ₃	d ₂ h6	d ₃			ID				
TPI		mm		2.5 - 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁									
UNC 2	56	2.18	1.66	40	6.1	7.2	40	9.4	4	1.02	3	1.80	186128		187362		
3	48	2.51	1.90	40	7.0	8.3	40	10.8	4	1.16	3	2.00	186129		187363		
4	40	2.84	2.11	40	8.0	9.4	40	12.2	5	1.22	3	2.30	186130	186526	187364	187486	
5	40	3.17	2.44	51	9.1	10.7	51	13.9	5	1.55	4	2.60	186131	186527	187365	187487	
6	32	3.50	2.59	51	10.2	12.0	51	15.5	6	1.48	4	2.80	186132	186528	186630	187366	187488
8	32	4.16	3.25	51	11.9	14.0	51	18.1	6	2.14	4	3.40	186133	186529	186631	187367	187489
10	24	4.82	3.60	51	14.0	16.4	51	21.2	8	2.12	4	3.80	186134	186530	186632	187368	187490
12	24	5.48	4.26	51	15.7	18.4	51	23.9	8	2.78	4	4.50	186135	186531	186633	187369	187491
1/4	20	6.35	4.89	51	18.2	21.4	51	27.7	8	3.11	4	5.10	186136	186532	186634	187370	187492
5/16	18	7.93	5.95	75	23.0	27.0	75	35.0	6	3.97	5	6.60	186137	186533	186635	187371	187493
3/8	16	9.52	7.10	83	27.0	32.0	83	41.0	8	4.87	5	8.00	186138	186534	186636	187372	187494
7/16	14	11.11	7.95	83	32.0	37.0	83	48.0	8	5.41	5	9.30	186139	186535	186637	187373	187495
1/2	13	12.70	9.95	95	36.0	42.0	95	55.0	10	7.21	5	10.80	186140	186536	186638	187374	187496

GW3016VS
GW3017VS
GW3019VS



GW3016VX
GW3017VX



GW3016VS

GW3017VS

GW3019VS

GW3016VX

GW3017VX



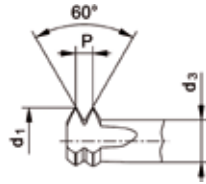
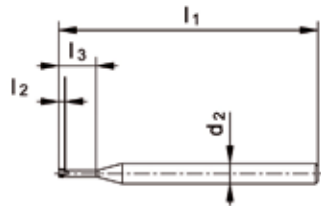
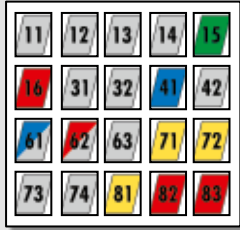
D ₁	P	D ₁	d ₁	l ₁	l ₃	l ₃	l ₁	l ₃	d ₂ h5	d ₃			ID				
TPI		mm		2.5 · 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁									
UNC 2	56	2.18	1.66	39	6.1	7.2	39	9.4	3	1.02	3	1.80	167500	186365	167507	187298	187426
3	48	2.51	1.90	39	7.0	8.3	39	10.8	3	1.16	3	2.00	186236	186366	186601	187299	187427
4	40	2.84	2.11	39	8.0	9.4	39	12.2	3	1.22	3	2.30	167501	186367	167508	187300	187428
5	40	3.17	2.44	51	9.1	10.7	51	13.9	5	1.55	4	2.60	186237	186368	186602	187301	187429
6	32	3.50	2.59	51	10.2	12.0	51	15.5	5	1.48	4	2.80	167502	186369	167509	187302	187430
8	32	4.16	3.25	51	11.9	14.0	51	18.1	5	2.14	4	3.40	167503	186370	167510	187303	187431
10	24	4.82	3.60	51	14.0	16.4	51	21.2	5	2.12	4	3.80	173986	186371	173979	187304	187432
12	24	5.48	4.26	51	15.7	18.4	51	23.9	5	2.78	4	4.50	186238	186372	186603	187305	187433
1/4	20	6.35	4.89	51	18.2	21.4	51	27.7	5	3.11	4	5.10	167504	186373	167511	187306	187434
5/16	18	7.93	5.95	63	23.0	27.0	75	35.0	6*	3.97	5	6.60	175246	186374	175277	187307	187435
3/8	16	9.52	7.10	67	27.0	32.0	83	41.0	8*	4.87	5	8.00	173546	186375	175278	187308	187436
7/16	14	11.11	7.95	67	32.0	37.0	83	48.0	8*	5.41	5	9.30	186239	186376	186604	187309	187437
1/2	13	12.70	9.95	76	36.0	42.0	95	55.0	10*	7.21	5	10.80	175247	186377	175279	187310	187438

* tol. h6

GWi3066VS
GWi3067VS
GWi3069VS



GWi3066VX
GWi3067VX



GWi3066VS

GWi3067VS

GWi3069VS

GWi3066VX

GWi3067VX

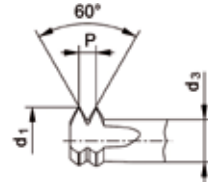
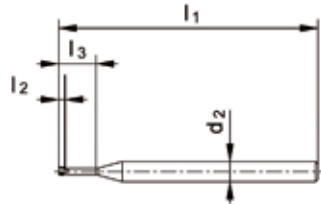
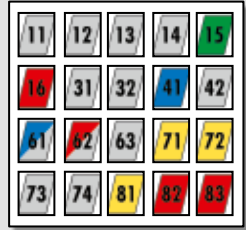


D ₁	P	D ₁	d ₁	l ₁	l ₃	l ₃	l ₁	l ₃	d ₂ h6	d ₃			ID		
TPI		mm		2.5 · 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁							
UNF 0	80	1.52	1.15	40	4.3	5.0	40	6.6	4	0.71	3	1.20	186167		187375
1	72	1.85	1.44	40	5.1	6.1	40	7.9	4	0.95	3	1.50	186168		187376
2	64	2.18	1.72	40	6.0	7.1	40	9.3	4	1.16	3	1.80	186169		187377
4	48	2.84	2.23	40	7.9	9.3	40	12.1	5	1.49	3	2.40	186170	186559	187378 187497
5	44	3.17	2.51	51	9.0	10.6	51	13.8	5	1.70	4	2.60	186171	186560	187379 187498
6	40	3.50	2.77	51	10.0	11.7	51	15.2	6	1.88	4	2.90	186172	186561 186639	187380 187499
8	36	4.16	3.35	51	11.7	13.8	51	18.0	6	2.36	4	3.50	186173	186562 186640	187381 187500
10	32	4.82	3.91	51	13.5	15.9	51	20.8	8	2.80	4	4.10	186174	186563 186641	187382 187501
12	28	5.48	4.44	51	15.4	18.1	51	23.6	8	3.17	4	4.60	186175	186564 186642	187383 187502
1/4	28	6.35	4.95	51	17.6	20.7	51	27.1	8	3.68	4	5.50	186176	186565 186643	187384 187503
5/16	24	7.93	5.95	75	22.0	26.0	75	34.0	6	4.47	5	6.90	186177	186566 186644	187385 187504
3/8	24	9.52	7.10	83	26.0	31.0	83	40.0	8	5.62	5	8.50	186178	186567 186645	187386 187505
7/16	20	11.11	7.95	83	31.0	36.0	83	47.0	8	6.17	5	9.90	186179	186568 186646	187387 187506
1/2	20	12.70	9.95	95	35.0	41.0	95	54.0	10	8.17	5	11.50	186180	186569 186647	187388 187507

GW3016VS
GW3017VS
GW3019VS



GW3016VX
GW3017VX



GW3016VS

GW3017VS

GW3019VS

GW3016VX

GW3017VX



D ₁	P	D ₁	d ₁	l ₁	l ₃	l ₃	l ₁	l ₃	d ₂ h5	d ₃		
TPI		mm		2.5 - 3 x D ₁	2.5 x D ₁	3 x D ₁	4 x D ₁	4 x D ₁				
UNF 0	80	1.52	1.15	39	4.3	5.0	39	6.6	3	0.71	3	1.20
1	72	1.85	1.44	39	5.1	6.1	39	7.9	3	0.95	3	1.50
2	64	2.18	1.72	39	6.0	7.1	39	9.3	3	1.16	3	1.80
4	48	2.84	2.23	39	7.9	9.3	39	12.1	3	1.49	3	2.40
5	44	3.17	2.51	51	9.0	10.6	51	13.8	5	1.70	4	2.60
6	40	3.50	2.77	51	10.0	11.7	51	15.2	5	1.88	4	2.90
8	36	4.16	3.35	51	11.7	13.8	51	18.0	5	2.36	4	3.50
10	32	4.82	3.91	51	13.5	15.9	51	20.8	5	2.80	4	4.10
12	28	5.48	4.44	51	15.4	18.1	51	23.6	5	3.17	4	4.60
1/4	28	6.35	4.95	51	17.6	20.7	51	27.1	5	3.68	4	5.50
5/16	24	7.93	5.95	63	22.0	26.0	75	34.0	6*	4.47	5	6.90
3/8	24	9.52	7.10	67	26.0	31.0	83	40.0	8*	5.62	5	8.50
7/16	20	11.11	7.95	67	31.0	36.0	83	47.0	8*	6.17	5	9.90
1/2	20	12.70	9.95	76	35.0	41.0	95	54.0	10*	8.17	5	11.50

* tol. h6

ID

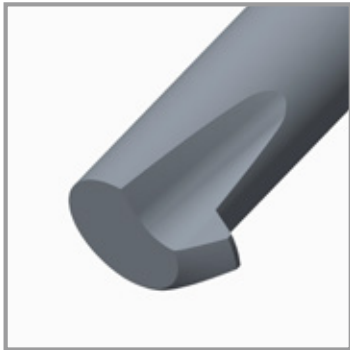


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175249	186405	175281	187312	187440
186248	186406	186605	187313	187441
175250	186407	172376	187314	187442
186249	186408	169815	187315	187443
186250	186409	186606	187316	187444
175251	186410	175282	187317	187445
167505	184633	167512	187318	187446
186251	186411	186607	187319	187447
167506	186412	167513	187320	187448
175252	186413	175283	187321	187449
175253	186414	175284	187322	187450
186252	186415	186608	187323	187451
186253	186416	186609	187324	187452

PROGRAMME COMPLET FRAISES À FILETER

GW
SERIES 1000

VS

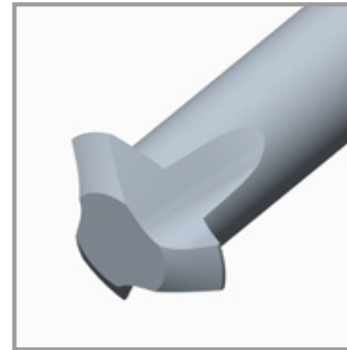


GW1116 / GW1116VS

S 0.3 – S 1.4

GW
SERIES 2000

VS



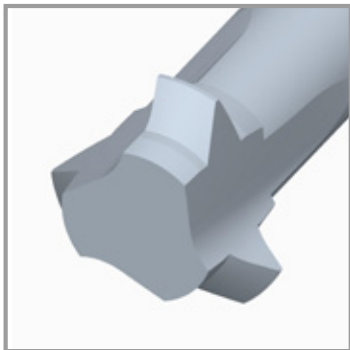
GW2016 / GW2016VS

M 0.8 – M 6

S 0.8 – S 1.4

GW
SERIES 4000

VS



GW4116 / GW4116VS

GW4119 / GW4119VS

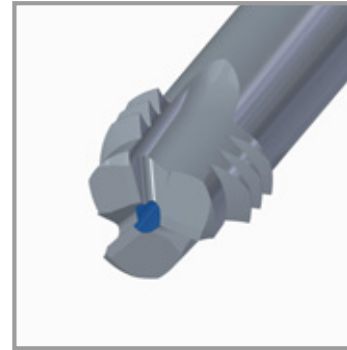
M 0.8 – M 6

UNC 2-56 – UNC 1/4-20

UNF 10-32 – UNF 1/4-28

ZBGF

VS



ZBGF6065VS / ZBGF6067VS

M 3 – M 16

UNC 4-40 – UNC 5/8-11

UNF 4-48 – UNF 5/8-18

▶ **TARAUDS COUPANTS**



▶ **TARAUDS REFOULEUR**



▶ **JAUGES DE FILETAGE**



▶ **FRAISES À FILETER**



▶ **MANDRINS DE TARAUDAGE**



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