

5838ULGG..

**Grünring ULTRA GG für**  
Grauguss < 800 N/mm<sup>2</sup>  
Dehnung: < 20%

- Ausführung: DIN 371 und DIN 376, Typ 105/3 aus HSS-E
- Einzelfertigschneider hartnitriert, HV =1100, verbesserte Gleiteigenschaften und erhöhte Verschleissfestigkeit, gerade genutet Toleranzklasse ISO 2 (6H)
- **Anwendung:** Für Durchgangs- und Grundbohrungen bei kurz-spanenden Werkstoffen, speziell geeignet für Temperguss, Gusseisen mit Kugelgraphit (Sphäroguss), Gusseisen mit Lamellengraphit (Grauguss), Gusseisen mit Vermikulargraphit, Aluminium-Gusslegierungen Si 0.5-5%, Aluminium-Gusslegierungen Si 5%-10%, Aluminium-Gusslegierungen Si > 10%, Magnesium-Gusslegierungen, Ferro-Tic

**bague vert ULTRA GG**  
Fonte grise < 800 N/mm<sup>2</sup>  
Allongement: < 20%

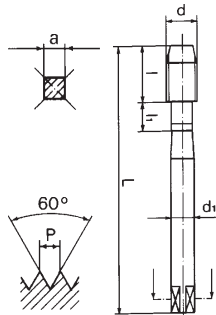
- *Exécution selon DIN 371 et 376, type 105/3 en HSS-E*
- *Finisseur, nitruré dur, HV=1100 Propriété de glissement améliorée et résistance à l'usure plus élevée, rainuré droit, classe de tolérance ISO 2 (6H)*
- **Application:** Pour des trous traversants et borgnes, matériaux de copeaux courts comme fonte malléable, fonte à graphite sphérodal, fonte à graphite lamellaire (fonte grise), fonte à graphite vermiculaire, alliages de fonte d'aluminium Si 0.5% - 5%, alliages de fonte d'aluminium Si 5% - 10%, alliages de fonte de magnésium, ferro-Tic

**Green ring ULTRA GG**  
Grey cast iron < 800 N/mm<sup>2</sup>  
Elongation: < 20%

- According: DIN 371 & DIN 376, type 105/3 from HSS-E
- Nitrides single finisher, HV =1100, improved gliding characteristics and increased wear resistance, straight flutes, tolerance classe ISO 2 (6H)
- **Application:** through and blind holes and for materials with short chips, peticularly suitable for malleable cast iron, modular graphite cast iron, lamellar graphite cast iron (grey cast iron), vermicular graphite cast iron, aluminium cast alloy Si 0.5% - 5%, aluminium cast alloy Si 5% - 10%, aluminium cast alloy Si > 10%, cast alloy of magnesium, ferro-Tic



5838ULGG  
ULTRA GG  
105/3  
DIN 371/376



Gewinde Filet Thread		Ø	P	L	I	II	DIN 371	DIN 376	Kernloch perçage Core hole	Best.Nr. no.cde. order no.	Katalog catalogue catalog	ULTRA GG 5.838ULGG117
		Ø d1	a	Ø d1	a	Ø				CHF	CHF	
M 2	0.40	45	8	2.8	2.1	1.6			5838ULGG.020	34.20	28.70	
M 2.5	0.45	56	9	3.5	2.1	2.5			5838ULGG.025	24.70	20.70	
M 3	0.50	56	11	7	4.5	2.7			5838ULGG.030	21.40	18.00	
M 3.5	0.60	56	13	7	4.0	3.0			5838ULGG.035	29.40	24.70	
M 4	0.70	63	13	8	4.5	3.4			5838ULGG.040	20.90	17.60	
M 4.5	0.75	70	16	9	6.0	4.9			5838ULGG.045	30.50	25.60	
M 5	0.80	70	16	9	6.0	4.9			5838ULGG.050	21.90	18.40	
M 6	1.00	80	19	11	6.0	4.9			5838ULGG.060	22.70	19.10	
M 7	1.00	80	19	11	7.0	5.5			5838ULGG.070	33.90	28.50	
M 8	1.25	90	22	13			6	4.9	5838ULGG.082	24.70	20.70	
M 10	1.50	100	24	15	10.0	8.0			5838ULGG.100	29.90	25.10	
M 12	1.75	110	29				9	7.0	5838ULGG.120	37.10	31.20	
M 14	2.00	110	30				11	9.0	5838ULGG.140	53.00	44.50	
M 16	2.00	110	32				12	9.0	5838ULGG.160	60.50	50.80	
M 18	2.50	125	34				14	11.0	5838ULGG.180	81.00	68.00	
M 20	2.50	140	34				16	12.0	5838ULGG.200	79.50	66.80	

5838..  
5843..

**Gelbring**

- DIN 371 und 376, Typ 105/4 u.131/3
- Einzelfertigschneider aus HSS-E 105/4 mit Schälanschnitt & sorgfältig geschliffen, die Späne werden nach vorne befördert, 131/3 Sacklochgewindebohrer Späne n. hinten
- Toleranzklasse ISO 2 (6H)
- **Anwendung:** Bei Werkstoffen wie z.B. Hartmessing (Ms 58, kurzspanend), Weichmessing (Ms 63 langspanend), Aluminium-Knetlegierungen, Magnesium-Knetlegierungen, Thermoplaste, Kunststoffe, Baustähle < 1000 N/mm<sup>2</sup>, Einsatzstähle < 1000 N/mm<sup>2</sup>, Vergütungsstähle < 1000 N/mm<sup>2</sup>

**Bague jaune**

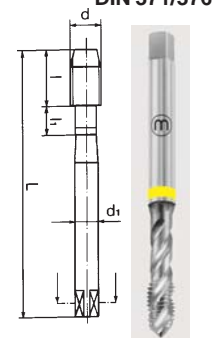
- DIN 371/376, type 105/4 et 131/3
- *Finisseur en HSS-E, 105/4 avec entrée en hélice, soigneusement meulée qui provoque l'évacuation des copeaux vers l'avant, 131/3 taraud pour trous borgnes, évacuation des copeaux vers l'arrière*
- *classe de tolérance ISO2 (6H)*
- **Application:** matériaux comme laiton (MS 58 copeaux courts), laiton tendre (Ms 63, copeaux longs), alliages corroyés d'aluminium, alliages corroyés de magnésium, matières thermoplastiques, aciers de constr.< 1000 N/mm, aciers de ciment.< 1000 N/mm<sup>2</sup>, aciers d'amél.< 1000 N/mm<sup>2</sup>

**Yellow ring**

- DIN 371/ 376, type 105/4 & 131/3
- Single finisher from HSS-E, 105/4 with chamfer, accurately ground, chips are carried to the front, 131/3 taps for blind holes, chips are carried backwards
- Tolerance class ISO 2 (6H)
- **Application:** Materials hard brass (Ms 58, short chipping), soft brass (Ms63, long chipping), wrought aluminium alloy, wrought alloy of magnesium, thermoplastic compounds/synthetics, structural steels <1000 N/mm<sup>2</sup>, case hardening steels < 1000 N/mm<sup>2</sup>, heat treatable steels < 1000 N/mm<sup>2</sup>



5838ULTR13..  
(105/4)  
ULTRA  
DIN 371/376



Gewinde Filet Thread		d	P	L	105/4 I	131/3 II	DIN 371 d1	DIN 376 d1	Kernloch perçage core hole	105/4 Best.Nr. / order no. no.cde.	131/3 Best.Nr. / order no. no.cde.	5.838117 CHF
M 2	0.40	45	8	8	8	2.8	2.1	1.6	5838.020	21.90	5843.020	24.40
M 2.5	0.45	56	9	9	9	2.8	2.1	2.5	5838.025	15.20	5843.025	18.70
M 3	0.50	56	6	7	6	3.5	2.7	2.5	5838.030	13.10	5843.030	15.30
M 3	0.50	56	11	7	6	11		2.2	5838.032	13.10		
M 4	0.70	63	13	8	7.5	13	4.5	3.4	5838.040	13.10	5843.040	15.30
M 4	0.70	63	13	8	7.5	13		2.8	5838.042	13.10		
M 5	0.80	70	16	9	9	16	6	4.9	5838.050	13.50	5843.050	15.20
M 5	0.80	70	16	9	9	16		3.5	5838.052	13.50		
M 6	1.00	80	19	11	11	18	6	4.9	5838.060	13.50	5843.060	15.20
M 6	1.00	80	19	11	11	18		4.5	5838.062	13.50		
M 8	1.25	90	22	13	13	21	8	6.2	5838.080	15.00	5843.080	16.50
M 8	1.25	90	22	13	13	21		6	5838.082	15.00		
M 10	1.50	100	24	15	16	22	10	8.0	5838.100	18.10	5843.100	21.30
M 10	1.50	100	24	15	16	22		7	5838.102	18.10		
M 12	1.75	110	29		18			9	5838.120	22.30	5843.120	27.30
M 14	2.00	110	30		20			11	5838.140	32.30	5843.140	34.90
M 16	2.00	110	32		20			12	5838.160	39.50	5843.160	40.30
M 18	2.50	125	34		22			14	5838.180	46.20	5843.180	50.40
M 20	2.50	140	34		25			16	5838.200	51.70	5843.200	52.90

5843..  
(131/3)  
ULTRA  
DIN 371/376