

**Solid carbide single flute gundrill
Type 113**



Nose grind: Standard nose grind
Driver: Ø 10x40/55 mm DIN6535-HA10 (ZH10-51)
Uncoated
Ex stock*

DC	25 x D			35 x D			55 x D		
	OAL	LCF	LCF	OAL	LCF	LCF	OAL	LCF	LCF
	Over all length	Drilling depth	Flute length	Over all length	Drilling depth	Flute length	Over all length	Drilling depth	Flute length
1.50	115	38	58	130	53	73	160	83	103
	702001100			702001101			702001102		
1.60	115	40	58	130	56	73	160	88	103
	702001103			702001104			702001105		
2.00	130	50	73	150	70	93	190	110	133
	702001106			702001107			702001108		
2.50	145	63	88	170	88	113	220	138	163
	702001109			702001110			702001111		

*While stock lasts - Subject to prior sale

Nose grind: Standard nose grind
Driver: Ø 10x40/55 mm DIN6535-HA10 (ZH10-51)
XT-coated
Ex stock*

DC	25 x D			35 x D			45 x D			55 x D		
	OAL	LCF	LCF	OAL	LCF	LCF	OAL	LCF	LCF	OAL	LCF	
	Over all length	Drilling depth	Flute length	Over all length	Drilling depth	Flute length	Over all length	Drilling depth	Flute length	Over all length	Drilling depth	Flute length
3.00	160	75	103	190	105	133				250	165	193
	702001112			702001113			702001114					
3.50	175	88	118	210	123	153	245	158	188			
	702001115			702001116			702001117					
4.00	185	100	128	225	140	168	265	180	208			
	702001118			702001119			702001120					
5.00	215	125	158	265	175	208	315	225	258			
	702001121			702001122			702001123					
6.00	240	150	183	300	210	243	360	270	303			
	702001124			702001125			702001126					

*While stock lasts - Subject to prior sale

**Single Flute Gundrills in solid carbide design
Type 113**

Product range*:

DC	Flute length LCF (mm)					
	20 - 52	53 - 77	78 - 100	101 - 157	158 - 237	238 - 327
0.50	X	X	X			
0.55	X	X	X			
0.60	X	X	X			
0.65	X	X	X			
0.70	X	X	X			
0.75	X	X	X			
0.80	X	X	X			
0.85	X	X	X			
0.90	X	X	X			
0.95		X	X	X	X	
1.00		X	X	X	X	
1.05		X	X	X	X	
1.10		X	X	X	X	
1.15		X	X	X	X	
1.20		X	X	X	X	
1.25		X	X	X	X	
1.30		X	X	X	X	
1.35		X	X	X	X	
1.40		X	X	X	X	
1.45		X	X	X	X	
1.50		X	X	X	X	
1.55		X	X	X	X	
1.60		X	X	X	X	
1.65		X	X	X	X	
1.70		X	X	X	X	
1.75		X	X	X	X	
1.80		X	X	X	X	
1.85		X	X	X	X	
1.90		X	X	X	X	
1.95		X	X	X	X	
2.00		X	X	X	X	
2.05		X	X	X	X	
2.10		X	X	X	X	
2.15		X	X	X	X	
2.20		X	X	X	X	
2.25		X	X	X	X	
2.30		X	X	X	X	
2.35		X	X	X	X	
2.40		X	X	X	X	
2.45		X	X	X	X	
2.50		X	X	X	X	
2.55		X	X	X	X	
2.60		X	X	X	X	
2.65		X	X	X	X	
2.70		X	X	X	X	
2.75		X	X	X	X	
2.80		X	X	X	X	
2.85		X	X	X	X	
2.90		X	X	X	X	
2.95		X	X	X	X	
3.00		X	X	X	X	X
3.05		X	X	X	X	
3.10		X	X	X	X	X
3.15		X	X	X	X	
3.20		X	X	X	X	X
3.25		X	X	X	X	

Intermediate dimensions on request

*While stock lasts - Subject to prior sale

DC	Flute length LCF (mm)					
	20 - 52	53 - 77	78 - 100	101 - 157	158 - 237	238 - 327
3.30		X	X	X	X	X
3.35		X	X	X	X	
3.40		X	X	X	X	X
3.45		X	X	X	X	
3.50		X	X	X	X	X
3.55		X	X	X	X	
3.60		X	X	X	X	X
3.65		X	X	X	X	
3.70		X	X	X	X	X
3.75		X	X	X	X	
3.80		X	X	X	X	X
3.85		X	X	X	X	
3.90		X	X	X	X	X
3.95		X	X	X	X	
4.00		X	X	X	X	X
4.05		X	X	X	X	
4.10		X	X	X	X	X
4.15		X	X	X	X	
4.20		X	X	X	X	X
4.25		X	X	X	X	
4.30		X	X	X	X	X
4.35		X	X	X	X	
4.40		X	X	X	X	X
4.45		X	X	X	X	
4.50		X	X	X	X	X
4.55		X	X	X	X	
4.60		X	X	X	X	X
4.65		X	X	X	X	
4.70		X	X	X	X	X
4.75		X	X	X	X	
4.80		X	X	X	X	X
4.85		X	X	X	X	
4.90		X	X	X	X	X
4.95		X	X	X	X	
5.00		X	X	X	X	X
5.05		X	X	X	X	
5.10		X	X	X	X	X
5.15		X	X	X	X	
5.20		X	X	X	X	X
5.25		X	X	X	X	
5.30		X	X	X	X	X
5.35		X	X	X	X	
5.40		X	X	X	X	X
5.45		X	X	X	X	
5.50		X	X	X	X	X
5.55		X	X	X	X	
5.60		X	X	X	X	X
5.65		X	X	X	X	
5.70		X	X	X	X	X
5.75		X	X	X	X	
5.80		X	X	X	X	X
5.85		X	X	X	X	
5.90		X	X	X	X	X
5.95		X	X	X	X	
6.00		X	X	X	X	X
6.05		X	X	X	X	

Intermediate dimensions on request

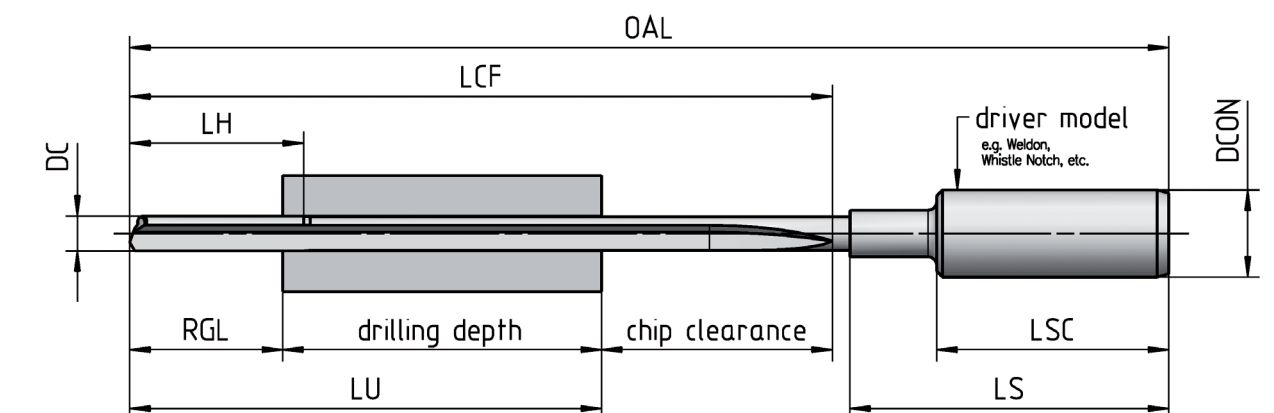
*While stock lasts - Subject to prior sale

Carbide grade: K15
Nose grind: Standard nose grind
Driver:

Illustration	Dimension DCONxLSC/LS (mm)	Design	botek-driver	Tool dia. (mm)
	Ø 4 x 34/46	particularly suitable for hydraulic chucks and collets	ZH4-08	0.5 - 5.1 mm
	Ø 6 x 36/50		ZH6-12	0.5 - 4.6 mm
	Ø 10 x 40/55		ZH10-51	0.5 - 6.05 mm
	Ø 12.7 x 38/48		ZH12.7-01	0.5 - 6.05 mm
	Ø 10 x 115/130		VH10-04	0.5 - 6.05 mm

More drivers on request

Delivery time: **Uncoated: max. 5 working days**
TIN-coated: max. 10 working days
XT-coated: max. 10 working days
 (more coatings on request)
Higher quantities on request



Stock Program Type 113-HP

Solid carbide gundrill – High Performance tool design

→ Alternative to carbide twist drills

Particularly suitable for the use on machining centers (with Emulsion) - Ex stock*

Carbide grade: HP1
Nose grind: $\varnothing 5,0 = SA-0504 \geq \varnothing 5,0 = SA-0503$
Driver: $\varnothing 10 \times 40/55$ mm DIN6535-HA10 (ZH10-51) from tool dia. 8 mm without driver
TIN-coated

DC	Shank	20 x D			30 x D			40 x D		
		OAL	Drilling depth	LCF	OAL	Drilling depth	LCF	OAL	Drilling depth	LCF
2.00					145	60	88	165	80	108
					702002100			702002101		
3.00		150	60	93	180	90	123	210	120	153
		702002102			702002103			702002104		
4.00		170	80	113	210	120	153	250	160	193
		702002105			702002106			702002107		
5.00		195	100	138	245	150	188	295	200	238
		702002108			702002109			702002110		
6.00		215	120	158	275	180	218	335	240	278
		702002111			702002112			702002113		
7.00					310	210	248			
					702002114					
8.00	$\varnothing 8 \times 40$				340	260	300	420	340	380
					702002115			702002134		
9.00	$\varnothing 8 \times 40$	260	180	220						
		702002116								
10.00	$\varnothing 10 \times 40$				380	300	340	480	400	440
					702002117			702002135		

*While stock lasts - Subject to prior sale

Particularly suitable for the use on deep hole drilling machines (with drilling oil) - Ex stock*

Carbide grade: HP1
Nose grind: SA-0504
Driver: $\varnothing 10 \times 40/55$ mm DIN6535-HA10 (ZH10-51)
XT-coated

DC	20 x D			25 x D			40 x D			50 x D			55 x D			60 x D		
	OAL	Drilling depth	LCF	OAL	Drilling depth	LCF	OAL	Drilling depth	LCF	OAL	Drilling depth	LCF	OAL	Drilling depth	LCF	OAL	Drilling depth	LCF
1.5				110	38	53							195	83	138			
				702002118						702002119								
2.0	115	40	58													195	120	138
	702002120															702002121		
2.5	130	50	73													230	150	173
	702002122															702002123		
3.0	145	60	88													265	180	208
	702002124															702002125		
4.0	175	80	118													335	240	278
	702002126															702002127		
5.0	205	100	148				305	200	248				380	275	323			
	702002128						702002129						702002130					
6.0	235	120	178				355	240	298	405	300	348				475	360	418
	702002131						702002132			702002133						702002136		

*While stock lasts - Subject to prior sale

Express Order



Customer ID: _____
Address: _____

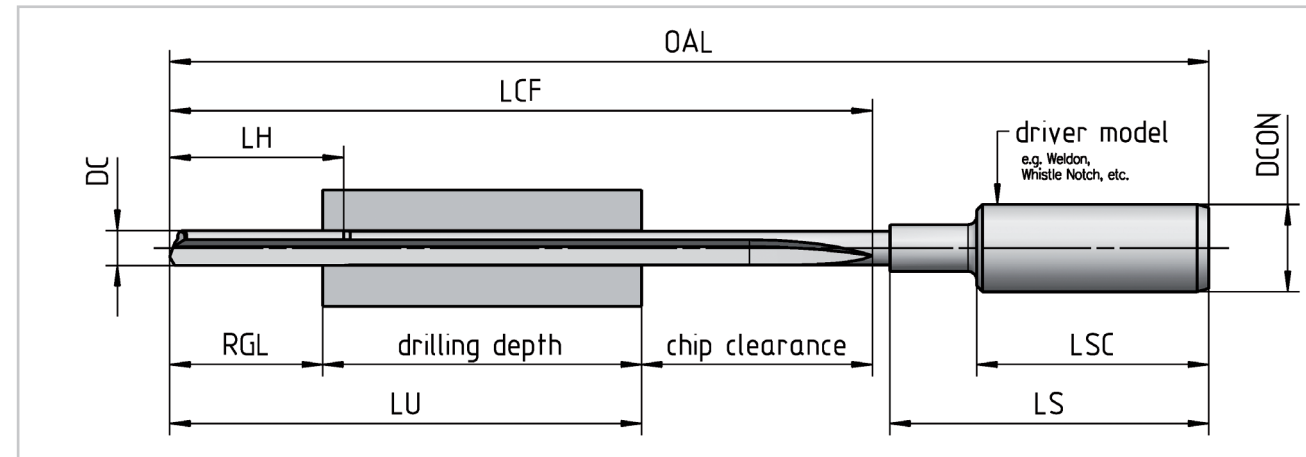
Customer Contact: _____

Order No.: _____
Shipping address: _____

Phone: _____

Drilling method: Solid drilling Counterboring
Material: Steel GG/GGG AL-Si-Leg _____
Machine: Machining center Deep hole drilling machine

\varnothing (DC)	Length (OAL)	Drilling depth (mm)	Driver dimensions (DCONxLSC/LS)	Driver No.	Coating	Pieces	Delivery date



Type 113 Single flute gundrill in solid carbide design – **Standard version**
 Type 113-HP Solid carbide gundrill – **High performance tool design**
Note: _____

A surcharge will be applied depending on delivery requirement. You will be notified to this change prior to production.

Mode of shipment: UPS (delivery within 2 working days) TNT 9.00 a.m.
 TNT 12.00 a.m. Pick up

The number of tools for express orders is limited.

Date: _____ **Signature:** _____



Single flute gundrills
in solid carbide design Type 113

Solid carbide gundrills
in high performance tool design Type 113-HP

