botek®
DEEP HOLE DRILLING SYSTEMS
SOLID CARBIDE TOOLS

Deep hole drilling tools Type 113
Type 113-HP

Express Production Line
Stock Program



Single flute gundrills
in solid carbide design Type 113

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

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	OAL		LCF	OAL		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	OAL		LCF	OAL		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*:

	Flute length LCF (mm)				
DC	20 - 52	53 - 77	78 - 100	101 - 157	158 - 237
0.5	X	X	X		
0.55	X	X	X		
0.6	X	X	X		
0.65	X	X	X		
0.7	X	X	X		
0.75	X	X	X		
0.8	X	X	X		
0.85	X	X	X		
0.9		X	X	X	
1		X	X	X	X
1.1		X	X	X	X
1.2		X	X	X	X
1.3		X	X	X	X
1.4		X	X	X	X
1.5		X	X	X	X
1.6		X	X	X	X
1.7		X	X	X	X
1.8		X	X	X	X
1.9		X	X	X	X
2		X	X	X	X
2.1		X	X	X	X
2.2		X	X	X	X
2.3		X	X	X	X
2.4		X	X	X	X
2.5		X	X	X	X
2.6		X	X	X	X
2.7		X	X	X	X
2.8		X	X	X	X
2.9		X	X	X	X
3		X	X	X	X

Intermediate dimensions on request
*While stock lasts - Subject to prior sale

	Flute length LCF (mm)				
DC	20 - 52	53 - 77	78 - 100	101 - 157	158 - 237
3.1		X	X	X	X
3.2		X	X	X	X
3.3		X	X	X	X
3.4		X	X	X	X
3.5		X	X	X	X
3.6		X	X	X	X
3.7		X	X	X	X
3.8		X	X	X	X
3.9		X	X	X	X
4		X	X	X	X
4.1		X	X	X	X
4.2		X	X	X	X
4.3		X	X	X	X
4.4		X	X	X	X
4.5		X	X	X	X
4.6		X	X	X	X
4.7		X	X	X	X
4.8		X	X	X	X
4.9		X	X	X	X
5		X	X	X	X
5.1		X	X	X	X
5.2		X	X	X	X
5.3		X	X	X	X
5.4		X	X	X	X
5.5		X	X	X	X
5.6		X	X	X	X
5.7		X	X	X	X
5.8		X	X	X	X
5.9		X	X	X	X
6		X	X	X	X

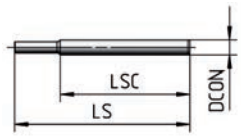
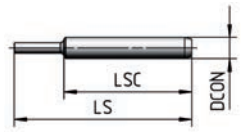
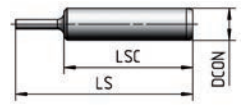
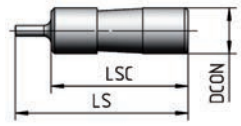
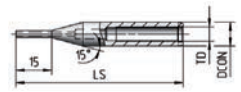
Intermediate dimensions on request
*While stock lasts - Subject to prior sale

Express Production Line Type 113

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 - 5.0 mm
	Ø 6 x 36/50		ZH6-12	0.5 - 4.5 mm
	Ø 10 x 40/55		ZH10-51	0.5 - 6.0 mm
	Ø 12.7 x 38/48		ZH12.7-01	0.5 - 6.0 mm
	Ø 10 x 115/130		VH10-04	0.5 - 6.0 mm
More drivers on request				

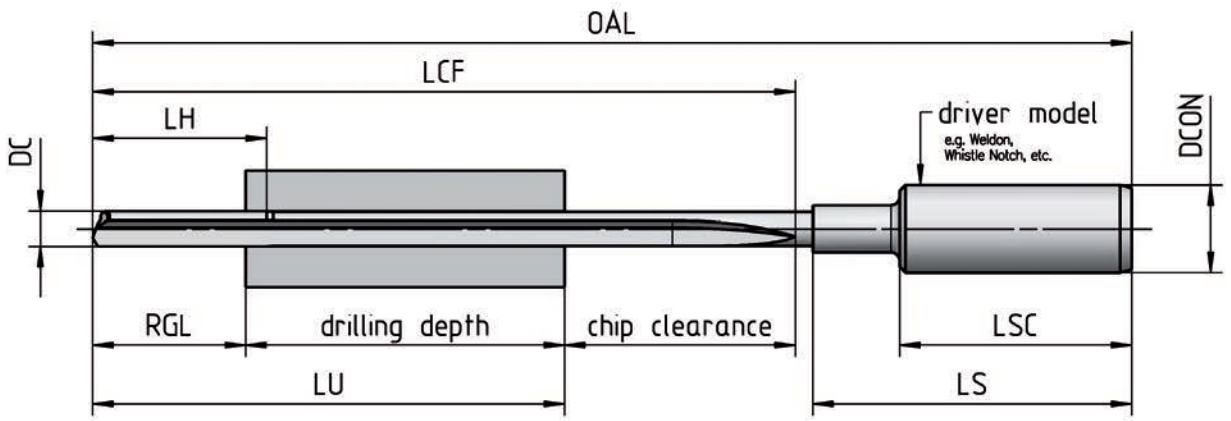
Delivery time:

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



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: < Ø 5,0 = SA-0504 ≥ Ø 5,0 = SA-0503
Driver: Ø 10x40/55 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
					733 000 622			733 000 623		
3.00		150	60	93	180	90	123	210	120	153
		733 000 624			733 000 625			733 000 626		
4.00		170	80	113	210	120	153	250	160	193
		733 000 627			733 000 628			733 000 629		
5.00		195	100	138	245	150	188	295	200	238
		733 002 022			733 002 023			733 002 024		
6.00		215	120	158	275	180	218	335	240	278
		733 002 025			733 002 026			733 002 027		
7.00					310	210	248			
					733 002 184					
8.00	Ø 8x40				340	260	300			
					733 001 721					
9.00	Ø 8x40	260	180	220						
		733 002 185								
10.00	Ø 10x40				380	300	340			
					733 001 720					

*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: Ø 10x40/55 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			
				733 002 710									733 002 711					
2.0	115	40	58													195	120	138
	733 002 712															733 002 713		
2.5	130	50	73													230	150	173
	733 002 714															733 002 715		
3.0	145	60	88													265	180	208
	733 002 716															733 002 717		
4.0	175	80	118													335	240	278
	733 002 718															733002719		
5.0	205	100	148				305	200	248				380	275	323			
	733 002 720						733 002 721						733 002 722					
6.0	235	120	178				355	240	298	405	300	348						
	733 002 723						733 002 724			733 002 725								

*While stock lasts - Subject to prior sale

Express Order

botek®
DEEP HOLE DRILLING SYSTEMS
SOLID CARBIDE TOOLS

Customer ID: _____
Address: _____
_____
_____
Customer Contact: _____

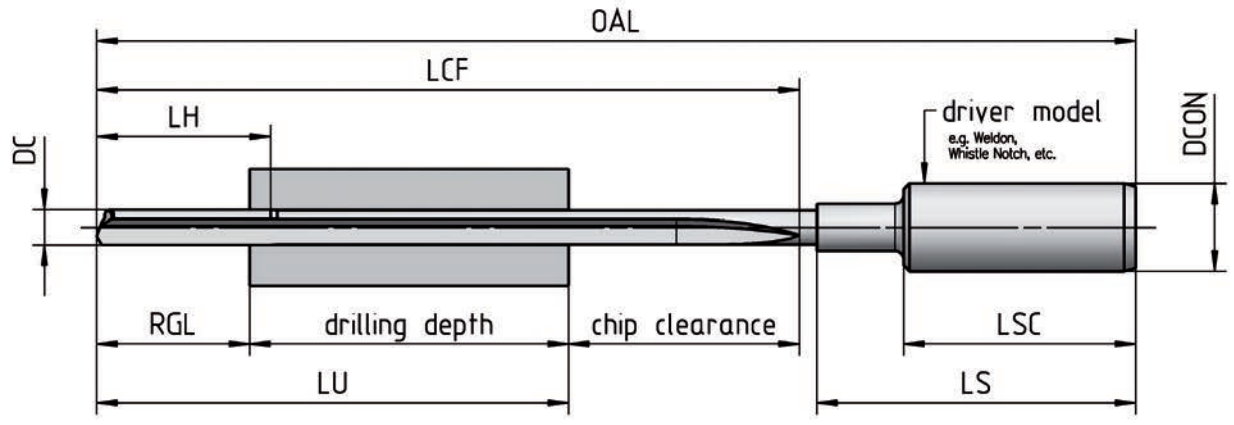
Oder No.: _____
Shipping address: _____
_____
_____
Phone: _____

Drilling method: ❒ **Solid drilling** ❒ **Counterboring**

Material: ❒ **Steel** ❒ **GG/GGG** ❒ **AL-Si-Leg** ❒ _____

Machine: ❒ **Machining center** ❒ **Deep hole drilling machine**

Ø (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: _____

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

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

The number of tools for express orders is limited.

Date: _____ **Signature:** _____