

Highest feed rates in grey cast iron and steel

Twin fluted drill **Type 120-HP**

Tool diameter 4.500 to 26.500 mm

Solid carbide 2-fluted drill **Type 123-HP**

Tool diameter 2.800 to 32.000 mm





Advantages:

- Reduced cycle times enable higher throughput and increase productivity and cost-effectiveness
- Enormous feed rate increases thanks to innovative chipbreaker geometry
- Significantly increased process reliability thanks to improved chip breaking and optimised chip removal
- Wide range of diameters and various length ratios available
- Sufficient head length allows the tool to be reground several times
- High-precision and stable solid carbide tools



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DEEP HOLE DRILLING SYSTEMS
SOLID CARBIDE TOOLS

Application examples Type 120-HP

Material	EN-GJS-400-15	EN-GJS-400-15	EN-GJS-400-15	EN-GJS-400-15
Diameter	6 mm	10 mm	14.5 mm	18 mm
Flute length	250 mm	350 mm	540 mm	850 mm
L/D ratio	41 x D	35 x D	37 x D	47 x D
Cooling lubricant	Oil	Oil	Oil	Oil
Cutting speed V_c	100 m/min	100 m/min	83 m/min	100 m/min
Feed f	0.3 mm	0.8 mm	0.7 mm	0.9 mm
Feed speed V_f	1600 mm/min	2550 mm/min	1300 mm/min	1600 mm/min
Chips				

Application examples Type 123-HP

Material	EN-GJS-400-15	EN-GJS-400-15
Diameter	14.5 mm	14.5 mm
Flute length	300 mm	300 mm
L/D ratio	20 x D	20 x D
Cooling lubricant	Oil	Emulsion
Cutting speed V_c	83 m/min	100 m/min
Feed f	1.1 mm/U	1.3 mm/U
Feed speed V_f	2000 mm/min	2850 mm/min
Chips		

Service:

- Regrinding and recoating – botek offers you a customised, fast and cost-effective, in-house regrinding and recoating service and will be happy to take care of this task for you
- Process design
- Customer trials in our testing department
- Customised tool design tailored to your application

Please contact us for more information. Further information can be found at www.botek.de

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