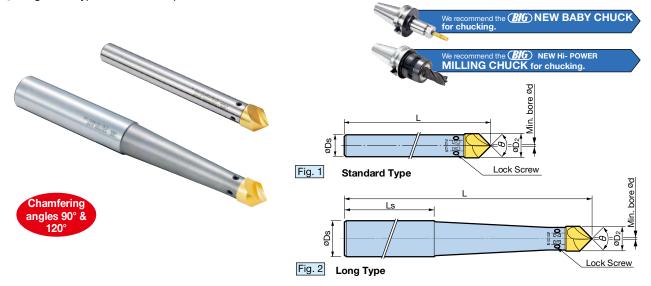
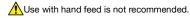
- Uses high-precision throwaway bit with superb sharpness.
- Since the cutting edge can be replaced, there is no need for regrinding and the performance remains stable at all times.
- Long shank type with less workpiece interference.



The mark in the table indicates long type.

yp-										
Chamfering angle $\theta$	Model	Fig.	øDs	ØD2	ød	L	Ls	Compatible Bit Model	Spare Lock Screw (Optional)	
90°	ST10-CBY09010	1	10	10	0.9	150		CBY09010-5P	H0403-5P	
	ST12-CBY09013		12	13	0.9			CBY09013-5P		
	ST16-CBY09016		16	16	1.0	180	_	CBY09016-5P	H0504-5P	
	ST20-CBY09022		20	22	1.5			CBY09022-5P	H0505-5P	
	ST20-CBY09013-220 •	2	20	13	0.9	220		CBY09013-5P	H0403-5P	
	-260 •					260	120			
	ST32-CBY09022-260 •		32	22	1.5	260	120	CBY09022-5P	H0505-5P	
	-300 •					300		OD 1 03022-3P	110000-01	
120°	ST12-CBY12013	1	12	13	0.9	150	_	CBY12013-5P	H0403-5P	

<sup>1. 2</sup> throwaway bits are included.



## <Throwaway Bit>

Precision-finished cutting edge with superb sharpness.

Since the bit can be replaced, there is no need for regrinding and the performance remains stable at all times.



	Chamfering angle $\theta$	Model	Compatible Body Model					
	90°	CBY09010-5P	ST10-CBY09010					
		CBY09013-5P	ST12-CBY09013/ST20-CBY09013					
		CBY09016-5P	ST16-CBY09016					
		CBY09022-5P	ST20-CBY09022/ST32-CBY09022					
	120°	CBY12013-5P	ST12-CBY12013					

Bits are sold as 5-piece sets. (Bit material) High-speed steel/TiN coating

## **Cutting Conditions**

	Chamfering						Centering					
Model	Steel		Cast Iron		Aluminum		Steel		Cast Iron		Aluminum	
	Vc	f	Vc	f	Vc	f	Vc	f	Vc	f	Vc	f
CBY09010···	20		20	0.12	45	0.15	25	0.08	30	0.1	50	0.15
CBY09013···	OF.		25		50		30		35		55	
CBY12013···	25	0.1										
CBY09016	30		35		55		45		40		60	
CBY09022···	35		40		60		50		45		65	

- 1. Vc: Cutting speed (m/min) f: Feed (mm/rev).
- 2. The values in this table are only for reference and should be adjusted based on workpiece hardness, rigidity, and chamfering amount.
- 3. Lower the cutting speed Vc if chatter occurs.
- 4. Keep the projection length as short as possible.



<sup>2.</sup> Lock Screw is included. 5-piece sets are sold under the above model number for spare part orders.