

# **EcoCut** Machining Solutions

# DEEP HOLE MACHINING TOOLS



# COMPANY Profile

EcoCut Machining Solutions was established in the year 2011 at Bengaluru, India. We are the leading Manufacturer, Exporter, wholesaler, supplier and trader of Expandable Cermet, PCD and CBN Reamers, Solid Carbide Reamers, Solid Carbide Drills, End Mills, Special Profile Cutting Tools, Anti Vibration Tools, Ceramic, PCD and CBN Inserts, Deep Hole Drilling Tools and Tool Holders. We Manufacture and procure these products from our certified and reliable vendors. Our vendors use quality assured material and advanced technology in the production process of these goods. With their consistent support, we are able to provide highly reliable, quality assured and maintenance free tools and equipment to our esteem customers in bulk with timely delivery. We provide these products to our customers according to their demands and the specifications given by them in order to attain their maximum satisfaction.

We are a client oriented company and that's why we perform all the business activities by keeping their needs and expectations from us in our mind. Their complete satisfaction is our primary objective and we can do every possible thing to satisfy them completely. Our client centric approach and policies are the proof of our devotion and dedication towards our customers.

Today, EcoCut Machining Solutions is backed by a huge client base and this is our actual achievement. This is possible due to the supervision of our respected director Mr. Balajee Adapa. He is highly experienced and dedicated towards his profession and responsibilities. His contribution is precious and an important reason behind our success and achievements. Besides this, our employees are also very talented and hard working at the same time. With their support, we have been providing best quality tools and equipment to our patrons since the time of our incorporation.



### ECONOMICAL & EXCELLENCE >>> IN HOLE MAKING



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Special deep hole drilling tools and accessories are available for customers.

Deep Hole Drill for Tube Sheet

Applied on Heat Exchanger Machining in Power Generation and Chemical Industry

Tube sheet is widely used in chemical container, pressure vessel, power generation equipment, boiler, condenser, central air conditioning, evaporator, sea water desalination and other industries with main features of multiple holes, small apertures, dense holes, high accuracy and surface finish requirements in the sheet. Outer diameter, thickness, hole numbers and precision of tube sheet are varied among different industries and functions. Therefore, machines and drill bits are also different when drilling on the sheet. Equipment can be divided into special machine and ordinary machines and tools can be divided into drill bit with internal and external chip removal. BTA drilling tools are more suitable for tube sheet drilling considering production efficiency and holes quality. It is also a trend for selecting drill bits of tube sheet. Both machines and tube sheet quality will significantly influence equipment assembly and performance.





### Deep Hole Drill for Tube Sheet

#### Type6

Order No.	er No. Diameter		Dimension			
	Diameter	L	d3	d5	L1	
GB6-Dxx.xx-SK	ф15.60-ф16.20	43	10.8	12.6	20	
GB6-Dxx.xx-SK	ф16.21-ф16.70	43	10.8	12.6	20	
GB6-Dxx.xx-SK	ф16.71-ф17.20	43	11.8	13.6	20	
GB6-Dxx.xx-SK	ф17.21-ф17.70	43	11.8	13.6	20	
GB6-Dxx.xx-SK	φ17.71-φ18.40	47	12.5	14.5	21.5	
GB6-Dxx.xx-SK	φ18.41-φ18.90	47	12.5	14.5	21.5	
GB6-Dxx.xx-SK	ф18.91-ф19.20	47	13.5	15.5	21.5	
GB6-Dxx.xx-SK	ф19.21-ф20.00	47	13.5	15.5	21.5	
GB6-Dxx.xx-SK	ф20.01-ф20.90	52.5	14	16	21.5	
GB6-Dxx.xx-SK	ф20.91-ф21.80	52.5	14	16	21.5	
GB6-Dxx.xx-SK	φ21.81-φ22.90	56	16	18	21.5	
GB6-Dxx.xx-SK	φ22.91-φ24.10	56	16	18	21.5	
GB6-Dxx.xx-SK	φ24.11-φ25.20	57.5	17.5	19.5	21.5	
GB6-Dxx.xx-SK	ф25.21-ф26.40	57.5	17.5	19.5	21.5	





#### Type5

Order No.	Diameter	Dimension			
	Diameter	L	d3	d 5	
GB5-Dxx.xx-SK	ф15.60-ф16.20	43	10.8	12.6	20
GB5-Dxx.xx-SK	ф16.21-ф16.70	43	10.8	12.6	20
GB5-Dxx.xx-SK	φ16.71-φ17.20	43	11.8	13.6	20
GB5-Dxx.xx-SK	φ17.21-φ17.70	43	11.8	13.6	20
GB5-Dxx.xx-SK	φ17.71-φ18.40	47	12.5	14.5	21.5
GB5-Dxx.xx-SK	$\phi  18.41 - \phi  18.90$	47	12.5	14.5	21.5
GB5-Dxx.xx-SK	$\phi 18.91 - \phi 19.20$	47	13.5	15.5	21.5
GB5-Dxx.xx-SK	φ19.21-φ20.00	47	13.5	15.5	21.5
GB5-Dxx.xx-SK	φ20.01-φ20.90	52.5	14	16	21.5

Order No.	Diameter	Dimension			
order No.					
GB6-Dxx.xx-SK	φ20.91-φ21.80	52.5	14	16	21.5
GB6-Dxx.xx-SK	φ21.81-φ22.90	56	16	18	21.5
GB6-Dxx.xx-SK	φ22.91-φ24.10	56	16	18	21.5
GB6-Dxx.xx-SK	φ24.11-φ25.20	57.5	17.5	19.5	21.5
GB6-Dxx.xx-SK	ф25.21-ф26.40	57.5	17.5	19.5	21.5







### **Carbide Gundrill**

L2 L1

15.6≤D≤16.2

16.2<D≤16.7

16.7<D≤17.2

17.2<D≤17.7 17.7<D≤18.4 18.4<D≤18.9 18.9<D≤19.2 19.2<D≤20.0 20.0<D≤20.9

29.8<D≤31

31.0<D≤32.1

32.1<D≤33.3 33.3<D≤34.8

34.8<D≤36.2

Order No.

B05-SP1-xx.xx

B05-SP1-xx.xx

B05-SP1-xx.xx	14.5	47	44.2	_
B05-SP1-xx,xx	15.5	47	44	

43

40.3

59.4

59

12.6

13.6

23.5

25.5

28

63.5

B05-SP1-xx.xx 52.5 49.3 16 20.9<D≤21.8 21.8<D≤22.9 B05-SP1-xx.xx 18 56 52.7 22.9<D≤24.1 24.1<D≤25.2 54 19.5 B05-SP1-xx.xx 25.2<D≤26.4 - 57.5 -26.4<D≤27.5 B05-SP1-xx.xx 21 53.8 27.5<D≤28.7 28.7<D≤29.8

Note: B05-SP1-\*\*.\*\* applies to operations focusing on accuracy.

B05-SP1-xx.xx

B05-SP1-xx.xx

B05-SP1-xx.xx

Note: B0	5-SP2-**.**	applies to	operations	focusing	on efficiency.	

D	Order No.	d	L1	L2
15.6≤D≤16 <b>.</b> 2	B05-SP2-xx.xx 12.6			
16.2 <d≤16.7< td=""><td>12.0</td><td rowspan="2">- 43</td><td>40.3</td></d≤16.7<>		12.0	- 43	40.3
16.7 <d≤17.2< td=""><td>B05-SP2-xx.xx</td><td>13.6</td><td rowspan="2">40.3</td></d≤17.2<>	B05-SP2-xx.xx	13.6		40.3
17.2 <d≤17.7< td=""><td>DUD-3F2-XX-XX</td><td>15.0</td><td></td></d≤17.7<>	DUD-3F2-XX-XX	15.0		
17.7 <d≤18.4< td=""><td>B05-SP2-xx_xx</td><td>14.5</td><td></td><td>44.2</td></d≤18.4<>	B05-SP2-xx_xx	14.5		44.2
18.4 <d≤18.9< td=""><td>BUD-SPZ-XX_XX</td><td>14.5</td><td>47</td><td>44<u>.</u>Z</td></d≤18.9<>	BUD-SPZ-XX_XX	14.5	47	44 <u>.</u> Z
18.9 <d≤19.2< td=""><td></td><td rowspan="2">15.5</td><td rowspan="2">- 47 -</td><td rowspan="2">44</td></d≤19.2<>		15.5	- 47 -	44
19.2 <d≤20.0< td=""><td>B05-SP2-xx.xx</td></d≤20.0<>	B05-SP2-xx.xx			
20.0 <d≤20.9< td=""><td>B05-SP2-xx.xx</td><td>16</td><td>52.5</td><td>49.3</td></d≤20.9<>	B05-SP2-xx.xx	16	52.5	49.3
20.9 <d≤21.8< td=""><td>B02-262-XX-XX</td><td>10</td><td>52.5</td><td>49.3</td></d≤21.8<>	B02-262-XX-XX	10	52.5	49.3
21.8 <d≤22.9< td=""><td></td><td rowspan="2">18</td><td rowspan="2">56</td><td rowspan="2">52.7</td></d≤22.9<>		18	56	52.7
22.9 <d≤24.1< td=""><td>B05-SP2-xx.xx</td></d≤24.1<>	B05-SP2-xx.xx			
24.1 <d≤25.2< td=""><td>B05-SP2-xx.xx</td><td rowspan="2">19.5</td><td rowspan="3">- 57.5 -</td><td>54</td></d≤25.2<>	B05-SP2-xx.xx	19.5	- 57.5 -	54
25.2 <d≤26.4< td=""><td>DU0-265-XX-XX</td><td>54</td></d≤26.4<>	DU0-265-XX-XX			54
26.4 <d≤27.5< td=""><td>B05-SP2-xx.xx</td><td>21</td><td>53.8</td></d≤27.5<>	B05-SP2-xx.xx	21		53.8
27.5 <d≤28.7< td=""><td>BUD-SPZ-XX.XX</td><td>21</td><td></td><td>53.8</td></d≤28.7<>	BUD-SPZ-XX.XX	21		53.8
28.7 <d≤29.8< td=""><td></td><td>22 5</td><td></td><td></td></d≤29.8<>		22 5		
29.8 <d≤31< td=""><td>B05-SP2-xx.xx</td><td>23.5</td><td rowspan="5">- 63.5 - -</td><td>59.4</td></d≤31<>	B05-SP2-xx.xx	23.5	- 63.5 - -	59.4
31.0 <d≤32.1< td=""><td>B05-SP2-xx.xx</td><td rowspan="2">25.5</td><td></td></d≤32.1<>	B05-SP2-xx.xx	25.5		
32.1 <d≤33.3< td=""><td>BUD-SP2-XX.XX</td><td></td></d≤33.3<>	BUD-SP2-XX.XX			
33.3 <d≤34.8< td=""><td rowspan="2">B05-SP2-xx.xx</td><td rowspan="2">28</td><td>59</td></d≤34.8<>	B05-SP2-xx.xx	28		59
34.8 <d≤36.2< td=""><td></td></d≤36.2<>				



Dimension:	mm
Tolerance:	mm
d:	h8
L1:	±1.0
L2:	±1.0