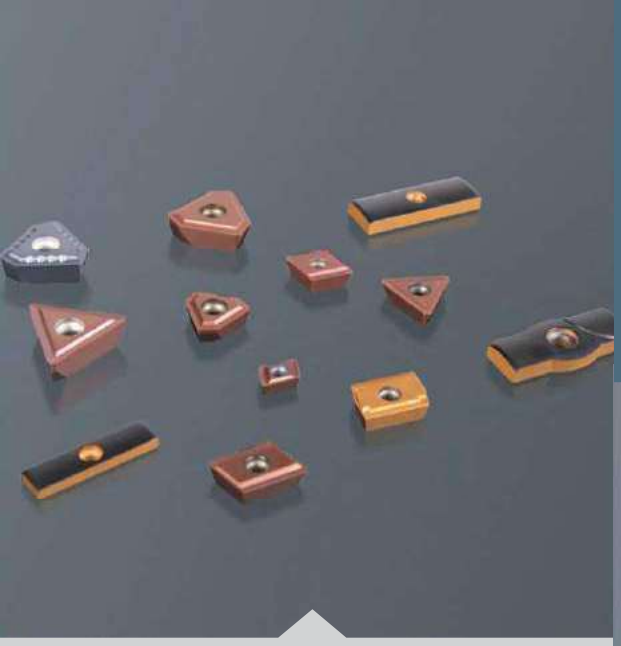


ECONOMICAL & EXCELLENCE
IN HOLE MAKING

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.

EcoCut Machining Solutions

DEEP HOLE MACHINING TOOLS

CONTENTS

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

Deep Hole Drill for Tube Sheet

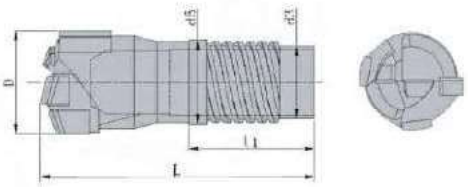
Applied on Heat Exchanger Machining in Power Generation and Chemical Industry

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

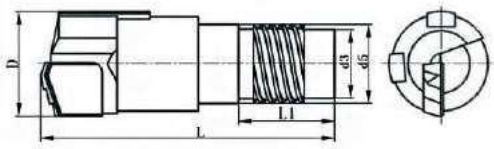
Type6

Order No.	Diameter	Dimension			
		L	d3	d5	L1
GB6-Dxx.xx-SK	ϕ15.60-ϕ16.20	43	10.8	12.6	20
GB6-Dxx.xx-SK	ϕ16.21-ϕ16.70	43	10.8	12.6	20
GB6-Dxx.xx-SK	ϕ16.71-ϕ17.20	43	11.8	13.6	20
GB6-Dxx.xx-SK	ϕ17.21-ϕ17.70	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	ϕ18.91-ϕ19.20	47	13.5	15.5	21.5
GB6-Dxx.xx-SK	ϕ19.21-ϕ20.00	47	13.5	15.5	21.5
GB6-Dxx.xx-SK	ϕ20.01-ϕ20.90	52.5	14	16	21.5
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	ϕ25.21-ϕ26.40	57.5	17.5	19.5	21.5

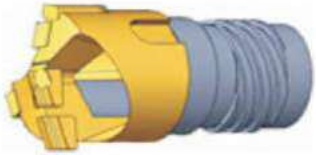


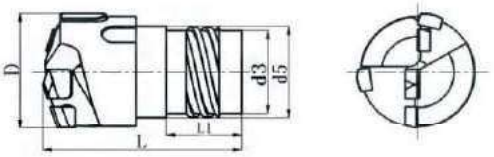
Type5

Order No.	Diameter	Dimension			
		L	d3	d5	L1
GB5-Dxx.xx-SK	ϕ15.60-ϕ16.20	43	10.8	12.6	20
GB5-Dxx.xx-SK	ϕ16.21-ϕ16.70	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	ϕ18.41-ϕ18.90	47	12.5	14.5	21.5
GB5-Dxx.xx-SK	ϕ18.91-ϕ19.20	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

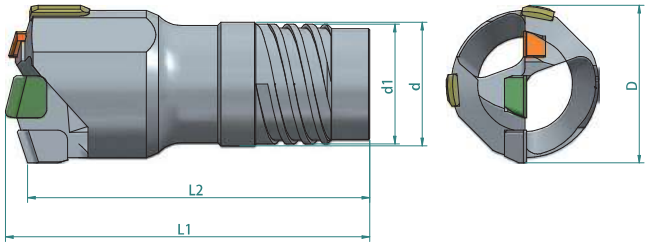


Order No.	Diameter	Dimension			
		L	d3	d5	L1
GB6-Dxx.xx-SK	ϕ20.91-ϕ21.80	52.5	14	16	21.5
GB6-Dxx.xx-SK	ϕ21.81-ϕ22.90	56	16	18	21.5
GB6-Dxx.xx-SK	ϕ22.91-ϕ24.10	56	16	18	21.5
GB6-Dxx.xx-SK	ϕ24.11-ϕ25.20	57.5	17.5	19.5	21.5
GB6-Dxx.xx-SK	ϕ25.21-ϕ26.40	57.5	17.5	19.5	21.5





Carbide Gundrill



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

D	Order No.	d	L1	L2
15.6≤D≤16.2	B05-SP1-xx.xx	12.6	43	40.3
16.2<D≤16.7				
16.7<D≤17.2	B05-SP1-xx.xx	13.6		
17.2<D≤17.7				
17.7<D≤18.4	B05-SP1-xx.xx	14.5	47	44.2
18.4<D≤18.9				
18.9<D≤19.2	B05-SP1-xx.xx	15.5		44
19.2<D≤20.0				
20.0<D≤20.9	B05-SP1-xx.xx	16	52.5	49.3
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	B05-SP1-xx.xx	19.5	57.5	54
25.2<D≤26.4				
26.4<D≤27.5	B05-SP1-xx.xx	21		53.8
27.5<D≤28.7				
28.7<D≤29.8	B05-SP1-xx.xx	23.5	63.5	59.4
29.8<D≤31				
31.0<D≤32.1	B05-SP1-xx.xx	25.5		
32.1<D≤33.3				59
33.3<D≤34.8	B05-SP1-xx.xx	28		
34.8<D≤36.2				

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

D	Order No.	d	L1	L2
15.6≤D≤16.2	B05-SP2-xx.xx	12.6	43	40.3
16.2<D≤16.7				
16.7<D≤17.2	B05-SP2-xx.xx	13.6		
17.2<D≤17.7				
17.7<D≤18.4	B05-SP2-xx.xx	14.5	47	44.2
18.4<D≤18.9				
18.9<D≤19.2	B05-SP2-xx.xx	15.5		44
19.2<D≤20.0				
20.0<D≤20.9	B05-SP2-xx.xx	16	52.5	49.3
20.9<D≤21.8				
21.8<D≤22.9	B05-SP2-xx.xx	18	56	52.7
22.9<D≤24.1				
24.1<D≤25.2	B05-SP2-xx.xx	19.5	57.5	54
25.2<D≤26.4				
26.4<D≤27.5	B05-SP2-xx.xx	21		53.8
27.5<D≤28.7				
28.7<D≤29.8	B05-SP2-xx.xx	23.5	63.5	59.4
29.8<D≤31				
31.0<D≤32.1	B05-SP2-xx.xx	25.5		
32.1<D≤33.3				59
33.3<D≤34.8	B05-SP2-xx.xx	28		
34.8<D≤36.2				

Note: B05-SP2-**.** applies to operations focusing on efficiency.