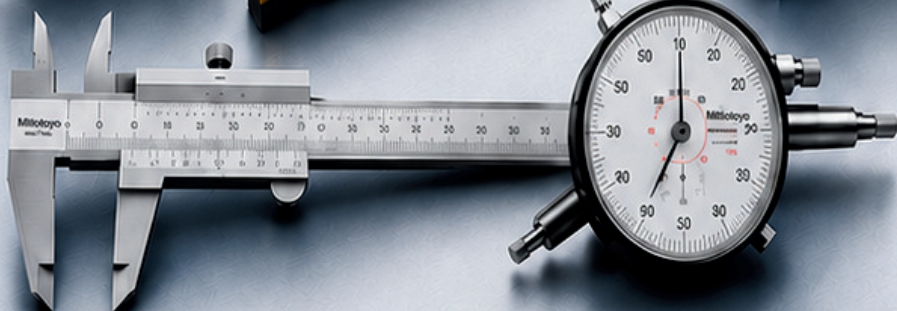




BHAGWATI TOOLS

Precision Tools. Expert Support. Trusted Distribution.

ADVANCE TOOLS.
STRONGER SOLUTIONS.
BETTER TOMORROW.



www.btoolsindia.com

Bhagwati Tools Brochure



ABOUT BHAGWATI TOOLS

PRECISION TOOLS. EXPERT SUPPORT. TRUSTED DISTRIBUTION.

Bhagwati Tools, established in 2012 and headquartered in Noida, India, is a trusted supplier of high-performance tooling solutions and engineering products for the manufacturing industry.

Our products are trusted by manufacturers across Defence, Aerospace, Die & Mould, Automotive, Railways, and General Engineering industries, where precision, consistency, and reliability are critical.

Our solutions are designed to enhance machining accuracy, improve productivity, and optimize manufacturing performance across a wide range of applications.

Over the years, Bhagwati Tools has built a strong reputation for delivering quality products, technical expertise, and dependable customer support. We work closely with our customers to recommend the right tooling solutions based on their machining requirements, helping them achieve greater efficiency, precision, and cost-effectiveness.

Driven by our commitment to quality, integrity, and long-term customer relationships, Bhagwati Tools continues to be a reliable partner for precision tooling and manufacturing solutions.

Bhagwati Tools – Your Trusted Partner for Precision Tooling Solutions Since 2012.

AUTHORISED CHANNEL PARTNERS



KORLOY is a global manufacturer of advanced carbide cutting tools, indexable inserts, end mills, drills, and tooling systems, delivering high-performance machining solutions for turning, milling, and drilling applications.

BILZ is a global leader in precision tool holding systems, tapping chucks, shrink-fit technology, taps and high-performance tool clamping solutions for drilling, tapping, reaming, and CNC machining applications.



The bilz logo, featuring the word "bilz" in a white, lowercase, sans-serif font on a blue background.

The boehlerit logo, featuring the word "boehlerit" in a white, lowercase, sans-serif font on a blue background.

Boehlerit is a global manufacturer of premium carbide cutting tools, indexable inserts, wear parts, and tooling systems for precision milling, turning, drilling, threading, and heavy-duty metal machining applications.

Emkay Tools (ET) is a leading manufacturer of high-performance HSS threading taps and precision cutting tools, offering spiral flute, spiral point, fluteless, pipe, and application-specific taps for demanding industrial machining applications.



EMKAY TOOLS LTD



Cutting... Leave it to us

BIPICO Tools is a leading Indian manufacturer of high-performance metal cutting tools, specializing in bimetal bandsaw blades, annular cutters, hacksaw blades, hole saws, and precision cutting solutions for industrial applications.

AUTHORISED CHANNEL PARTNERS



Gemco Tools is a manufacturer of high-speed steel (HSS) & Solid Carbide cutting tools, specializing in end mills, drills, reamers, tool bits, and other precision metalworking tools for industrial machining applications.

Dolphin Tools & Toolings is a supplier of precision cutting tools and tool holding solutions, specializing in solid carbide end mills, drills, collets, adaptors, HSS tools and CNC tooling systems for industrial machining applications.



YAMAYO Measuring Instruments is a trusted manufacturer and supplier of high-precision measuring, inspection, and NDT instruments, including calipers, micrometers, height gauges, indicators, gauges, and industrial metrology solutions for quality control applications.

Hindustan Abrasives is a leading manufacturer of precision grinding wheels, abrasive products, and surface finishing solutions, delivering high-performance grinding solutions for automotive, toolroom, bearing, steel, and general engineering industries.



**HINDUSTAN
ABRASIVES**
PRECISION GRINDING WHEEL

SOLID CARBIDE TOOLS

— ENGINEERED FOR PRECISION. BUILT FOR PERFORMANCE. —

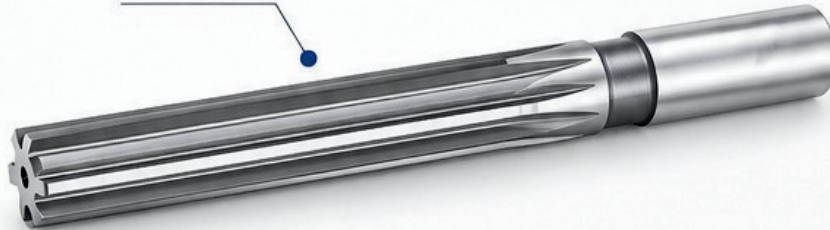
1. Endmill



2. Ballnose



3. Reamers



4. Threadmill



5. Taps



6. Centre Drill



7. Profile Tool



HIGH
PRECISION



SUPERIOR
TOOL LIFE



CNC
PERFORMANCE



CUSTOM
SOLUTIONS

INDEXABLE TOOLS

— VERSATILITY. PERFORMANCE. PRODUCTIVITY. —

1 MILLING CUTTERS



2 U-DRILLS



3 TOOL HOLDERS



5 BORING BARS

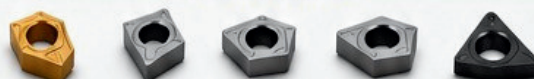


4 CARBIDE, CBN, PCD & CERMET INSERTS

TURNING INSERTS



BORING INSERTS



GROOVING INSERTS



MILLING INSERTS



DRILLING INSERTS



HIGH
PRECISION



SUPERIOR
PERFORMANCE



MAXIMUM
PRODUCTIVITY



RELIABLE
SOLUTIONS



WIDE RANGE
APPLICATIONS

TOOL & WORK HOLDING SYSTEMS

PRECISION HOLDING. MAXIMUM PERFORMANCE.

Our comprehensive range of Tool & Work Holding Systems ensures high accuracy, rigidity and reliability for every machining application.

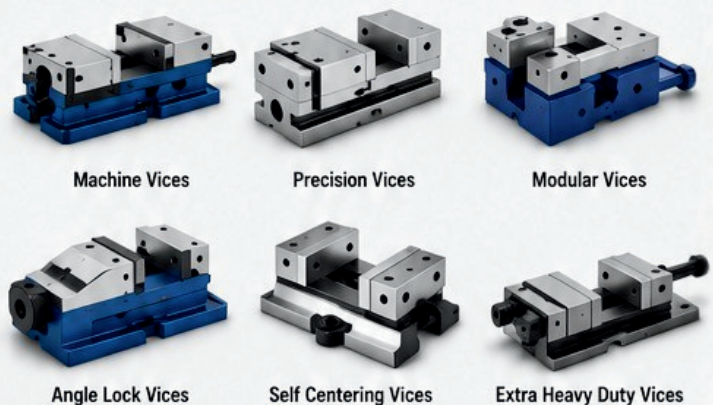
1 ADAPTORS & TOOL HOLDING SYSTEMS



2 ACCESSORIES



3 VICES



4 EXPANDING MANDRELS



5 CLAMPING EQUIPMENTS



HIGH
PRECISION



SUPERIOR
PERFORMANCE



MAXIMUM
PRODUCTIVITY



RELIABLE
SOLUTIONS



WIDE RANGE
APPLICATIONS

SAWS & CUTTERS

PRECISION CUTTING. SUPERIOR PERFORMANCE.

Our premium range of Saws & Cutters is engineered for high efficiency, accuracy and durability across a wide range of industrial applications.

1 BANDSAW BLADES



Bi-Metal
M42 Blades

Variable
Pitch Blades

Carbide Tipped
Blades

Hook Tooth
Blades

2 SAW BLADES



HSS Saw
Blades

TCT Saw
Blades

Circular Saw
Blades

Slitting Saw
Blades

Cold Saw
Blades

3 HSS-M42 & TCT HOLE-SAW CUTTERS



HSS-M42 HOLE-SAW CUTTERS



Standard
Arbor

Hex
Arbor

SDS Plus
Arbor

TCT HOLE-SAW CUTTERS



Standard
Arbor

Hex
Arbor

SDS Plus
Arbor

APPLICATIONS



Steel

Stainless
Steel

Aluminum

Cast Iron

Copper

Wood

Plastic

4 ANNULAR CUTTERS



HSS
Annular
Cutters

HSS-Co 8%
Annular
Cutters

TCT
Annular
Cutters

Weldon Shank
(19mm)

Universal Shank
(3/4")

APPLICATIONS



Magnetic
Drilling
Machines

Structural
Steel

Pipe & Tube
Drilling

Metal
Fabrication

Shipbuilding &
Heavy Industry



HIGH
PRECISION



SUPERIOR
PERFORMANCE



MAXIMUM
PRODUCTIVITY



RELIABLE
SOLUTIONS



WIDE RANGE
APPLICATIONS

GRINDING

PRECISION GROUND. SUPERIOR FINISH.

Our comprehensive range of Grinding Solutions is designed for high accuracy, excellent surface finish and extended tool life across a wide range of applications.

1 CBN ELECTROPLATED WHEELS



CBN Electroplated Cup Wheel



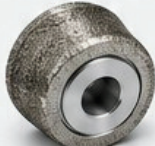
CBN Electroplated Straight Wheel



CBN Electroplated Thin Wheel



CBN Electroplated Dish Wheel



CBN Electroplated Roller Wheel



CBN Electroplated Mounted Point

APPLICATIONS



Hardened Steel



Bearing Steel



Tool Steel



Cast Iron



Super Alloys



Automotive Components

2 DIAMOND WHEELS



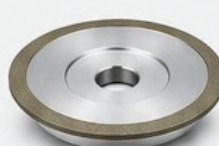
Diamond Cup Wheel



Diamond Straight Wheel



Diamond 1A1R Wheel



Diamond 6A2 Wheel



Diamond 11A2 Wheel



Diamond Dish Wheel

APPLICATIONS



Carbide



Ceramics



Glass



Stone



PCD/PCBN



Composites

3 VITRIFIED BONDED WHEELS



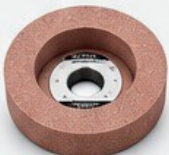
Grinding Wheel
(General Purpose)



Surface Grinding Wheel



Cylindrical Grinding Wheel



Internal Grinding Wheel



Tool & Cutter Grinding Wheel



Crankshaft Grinding Wheel

APPLICATIONS



Steel



Stainless Steel



Cast Iron



Alloy Steel



Tool Makers



General Engineering

4 DIAMOND DRESSERS



Single Point Dresser



Multi Point Dresser



Rotary Dresser



Stationary Dresser



PCD Dresser



Profile Dresser



Form Roller Dresser



Disc Dresser



Fluting Dresser



Block Dresser

APPLICATIONS



Dress Grinding Wheels



Restore Wheel Sharpness



Maintain Wheel Accuracy



Improve Surface Finish



Increase Wheel Life



HIGH
PRECISION



SUPERIOR
PERFORMANCE



MAXIMUM
PRODUCTIVITY



RELIABLE
SOLUTIONS



WIDE RANGE
APPLICATIONS

MEASURING

MEASURE PRECISELY. DELIVER PERFECTLY.

Our wide range of Measuring Instruments ensures accurate measurement, quality control and reliability for every stage of manufacturing and inspection.



1 CLASSIC MEASURING INSTRUMENTS



2 NDT INSTRUMENTS



3 THREAD PLUG GAUGES



4 STEEL PIN GAUGES



HIGH
PRECISION



SUPERIOR
PERFORMANCE



MAXIMUM
PRODUCTIVITY



RELIABLE
SOLUTIONS



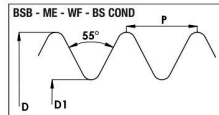
WIDE RANGE
APPLICATIONS

THREAD CHART

VERSATILITY. PERFORMANCE. PRODUCTIVITY.

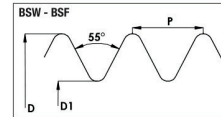
BSB		
Nominal Diameter ØD	TPI	Drill Size in mm
1/4"	26	5.3
5/16"	26	6.90
3/8"	26	8.40
7/16"	26	10.00
1/2"	26	11.50
9/16"	26	13.1
5/8"	26	14.70
11/16"	26	16.50
3/4"	26	17.80
7/8"	26	21.00
1"	26	24.20
1.1/8"	26	27.50
1.1/4"	26	30.50
1.3/8"	26	33.70
1.1/2"	26	36.90
2"	26	49.60

BRITISH STANDARD THREADS



BS COND.		
Nominal Diameter ØD	TPI	Drill Size in mm
1/2"	18	11.50
5/8"	18	14.20
3/4"	16	17.50
7/8"	16	20.60
1"	16	23.80
1.1/4"	16	30.10
1.1/2"	14	36.10
2"	14	48.00

ME		
Nominal Diameter ØD	TPI	Drill Size in mm
1/8"	40	2.55
5/32"	40	3.30
3/16"	40	4.00
7/32"	40	4.80
1/4"	40	5.50
9/32"	32	6.10
5/16"	32	7.00
3/8"	32	8.60
7/16"	26	10.50
1/2"	26	12.10



British Standard Whitworth Threads

BSW		
Nominal Diameter ØD	TPI	Drill Size in mm
1/16"	60	1.2
3/32"	48	1.9
1/8"	40	2.55
5/32"	32	3.2
3/16"	24	3.7
7/32"	24	4.5
1/4"	20	5.1
9/32"	20	5.8
5/16"	18	6.5
3/8"	16	7.9
7/16"	14	9.3
1/2"	12	10.5
9/16"	12	12.1
5/8"	11	13.5
11/16"	11	15.1
3/4"	10	16.3
7/8"	9	19.3
15/16"	9	20.6
1"	8	22.0
1.1/8"	7	24.75
1.1/4"	7	28.0
1.3/8"	6	30.5
1.1/2"	6	33.5
1.5/8"	5	36.0
1.3/4"	5	39.0
1.7/8"	4 1/2	41.3
2"	4 1/2	44.5

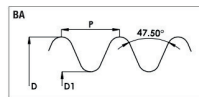
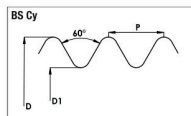
British Standard Fine Threads

BSF		
Nominal Diameter ØD	TPI	Drill Size in mm
3/16"	32	4
7/32"	28	4.6
1/4"	26	5.30
9/32"	26	6.00
5/16"	22	6.80
3/8"	20	8.30
7/16"	18	9.70
1/2"	16	11.10
9/16"	16	12.70
5/8"	14	14.00
11/16"	14	15.50
3/4"	12	16.75
7/8"	11	19.75
15/16"	11	21.50
1"	10	22.75
1.1/8"	9	25.50
1.1/4"	9	28.50
1.3/8"	8	31.50
1.1/2"	8	34.50
1.5/8"	8	37.70
1.3/4"	7	41.00
1.7/8"	7	43.70
2"	7	47.00

WHITWORTH FORM SPECIAL		
Nominal Diameter ØD	TPI	Drill Size in mm
1/4"	24/28/32	5.3, 5.4, 5.5
5/16"	24/40	6.75, 7.3
3/8"	24/40	8.4, 8.9
7/16"	20/24/40	9.8/10, 10.5
1/2"	20/24/40	11.5, 11.9, 12
9/16"	20	13.1

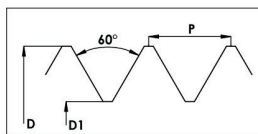
WHITWORTH FORM SPECIAL		
Nominal Diameter ØD	TPI	Drill Size in mm
5/8"	20	14.5
11/16"	20	16.2
3/4"	14/20	17.1, 17.8
7/8"	14/16/20	20.2, 20.6, 21.0
1"	12/20	23.0, 24.0

BA			
Size	Diameter	TPI	Drill Size in mm
0	0.2362	25.4	5.10
1	0.2087	28.2	4.50
2	0.1850	31.4	4.00
3	0.1614	34.8	3.40
4	0.1417	38.5	3.00
5	0.1260	43	2.65
6	0.1102	47.9	2.30
7	0.0984	52.9	2.05
8	0.0866	59.1	1.80
9	0.0748	65.1	1.55
10	0.0669	72.6	1.40
11	0.0591	81.9	1.20
12	0.0512	90.9	1.05



BS Cy		
Size	TPI	Drill Size in mm
1/8"	40	2.65
5/32"	32	3.30
3/16"	32	4.10
7/32"	26	4.80
1/4"	26	5.60
5/16"	26	7.20
3/8"	26	8.70
7/16"	26	10.30
1/2"	26	11.90
9/16"	26	13.50
5/8"	26	15.00
3/4"	26	18.20
1"	24	24.50

AMERICAN STANDARD THREADS



UNIFIED COARSE THREADS

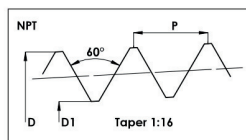
UNC		
Nominal Diameter ØD	Pitch	Drill Size
# 1	64	1.55
# 2	56	1.8
# 3	48	2.1
# 4	40	2.3
# 5	40	2.6
# 6	32	2.9
# 8	32	3.5
# 10	24	3.9
# 12	24	4.5
1/4"	20	5.2
5/16"	18	6
3/8"	16	8
7/16"	14	9.4

UNC		
Nominal Diameter ØD	Pitch	Drill Size
1/2"	13	10.9
9/16"	12	12.3
5/8"	11	13.6
3/4"	10	16.6
7/8"	9	19.5
1"	8	22.3
1.1/8"	7	25
1.1/4"	7	28.3
1.3/8"	6	30.8
1.1/2"	6	34
1.3/4"	5	39.5
2"	4.5	45.3

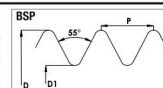
UNF		
Nominal Diameter ØD	Pitch	Drill Size
# 0	80	1.25
# 1	72	1.55
# 2	64	1.85
# 3	56	2.1
# 4	48	2.4
# 5	44	2.7
# 6	40	2.9
# 8	36	3.5
# 10	32	4.1
# 12	28	4.6
1/4"	28	5.5
5/16"	24	6.9
3/8"	24	8.5

UNF		
Nominal Diameter ØD	Pitch	Drill Size
7/16"	20	9.9
1/2"	20	11.5
9/16"	18	12.9
5/8"	18	14.5
3/4"	16	17.5
7/8"	14	20.5
1"	12	23.3
1.1/8"	12	26.5
1.1/4"	12	29.6
1.3/8"	12	32.8
1.1/2"	12	36
2"	12	48.6

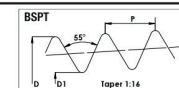
STRAIGHT AND TAPER PIPE THREADS



NPT			
Nominal Diameter ØD	TPI	Drill Size in mm	
		Tapping With Reamer	Tapping Without Reamer
1/16"	27	5.94	6.15
1/8"	27	8.33	8.43
1/4"	18	10.72	11.13
3/8"	18	14.27	14.68
1/2"	14	17.48	17.86
3/4"	14	22.63	23.01
1"	11.5	28.58	28.98
1.1/4"	11.5	37.31	37.69
1.1/2"	11.5	43.26	43.66
2"	11.5	55.17	55.58
2.1/2"	8	65.48	66.27



BSP		
Nominal Diameter ØD	TPI	Drill Size in mm
1/8"	28	8.8
1/4"	19	11.8
3/8"	19	15.3
1/2"	14	19
5/8"	14	21
3/4"	14	24.5
7/8"	14	28.3
1"	11	30.8
1.1/4"	11	39.5
1.1/2"	11	45
1.3/4"	11	51
2"	11	57



BSPT			
Nominal Diameter ØD	TPI	Drill Size in mm	
		Tapping With Reamer	Tapping Without Reamer
1/16"	28	6.1	6.2
1/8"	28	8.1	8.2
1/4"	19	10.7	11
3/8"	19	14.2	14.5
1/2"	14	17.6	18
3/4"	14	23	23.5
1"	11	29	29.5
1.1/4"	11	37.5	38
1.1/2"	11	43.5	44
2"	11	54.9	55.5



HIGH
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SUPERIOR
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MAXIMUM
PRODUCTIVITY



RELIABLE
SOLUTIONS



WIDE RANGE
APPLICATIONS



BHAGWATI TOOLS

**ADVANCED TOOLS.
STRONGER SOLUTIONS.
BETTER TOMORROWS.**



WHY CHOOSE BHAGWATI TOOLS?



PREMIUM
QUALITY



PRECISION
ENGINEERED



RELIABLE &
DURABLE



WIDE RANGE
OF PRODUCTS



CUSTOMER
FOCUSED



TIMELY DELIVERY
& SUPPORT

BHAGWATI TOOLS

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ENGINEERING

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PERFORMANCE IN YOUR**

SUCCESS.