

BroachCutter[®]

DESIGNED TO PERFORM

**MAGNETIC DRILLING
MACHINES**

**ANNULAR
CUTTERS**

**RAIL TRACK
DRILLING MACHINES**



PATENTS PENDING

drillmagic series

Our latest range of versatile magnetic drilling machines dedicated to drilling using Annular cutters as well as solid drills. Designed & manufactured in India.



SPECIFICATIONS

		CUB® XL	SUPER XL	TRIDENT XL	TITAN XL
Input Supply		1100 W, 230V, 50hz, 1Ph	1500 W, 230V, 50Hz, 1Ph	1800 W, 230V, 50Hz, 1Ph	1800 W, 230V, 50Hz, 1Ph
Capacity	<i>Annular Cutters</i>	Max. Diameter 36mm	Max. Diameter 51mm	Max. Diameter 76mm	Max. Diameter 110mm
	<i>Twist Drill</i>	Max. Diameter 10mm	Max. Diameter 16mm	Max. Diameter 32mm	Max. Diameter 47mm
	<i>Countersinking</i>	Max. Diameter 40mm	Max. Diameter 51mm	Max. Diameter 63mm	Max. Diameter 63mm
Spindle		Direct Spindle 19.05mm	Direct Spindle 19.05mm	MT3 Arbor 19.05mm & 31.75mm	MT4 Arbor 19.05mm & 31.75mm
Depth of Cut		50mm	50mm	76mm	100mm
Stroke		126mm	132mm	175mm	175mm
Magnet Clamping Force		10,300N (1050 Kgf)	11,770N (1200 Kgf)	19,620N (2000 Kgf)	23,500N (2400 Kgf)
No-load Speed	<i>Speed 1</i>	600 RPM	270 RPM	180 RPM	135 RPM
	<i>Speed 2</i>	-	540 RPM	460 RPM	235 RPM
	<i>Speed 3</i>	-	-	-	280 RPM
	<i>Speed 4</i>	-	-	-	480 RPM
Weight		12.5 kg	19 kg	30 kg	36 kg

TRIDENT XL

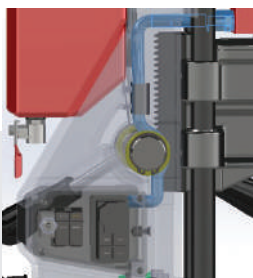


TITAN XL



FEATURES

Model	Soft Start	Steel Rod Design	Ergonomic Handle	Dual Speed Drill Motor	Four Speed Drill Motor	Overload Protection	Spindle	Arbor Lock	Stack Plate Drilling	Large Coolant Bottle	Powerful Magnet
CUB® XL		●	●			●	Direct		●	●	10,300 N (1050 kgf)
SUPER XL		●	●	●		●	Direct		●	●	11,770 N (1200 kgf)
TRIDENT XL	●	●	●	●		●	MT3	●	●	●	19,620 N (2000 kgf)
TITAN XL	●	●	●		●	●	MT4	●	●	●	23,500 N (2400 kgf)



**INTERNAL WIRING
FOR EASE OF USE**

No hanging wires



**ERGONOMIC
LIFTING HANDLE**

For ease of carrying & mobility



**LARGE COOLANT
BOTTLE**

More holes per refill



**INTEGRATED GEARBOX
& SLIDE MOUNTED ON
STEEL RODS**

Vibration-free operation



**POWERFUL
MAGNETS**

For safer working

automagic series

Full automatic feed versions of the drillmagic series machines. These models feature automatic downfeed while drilling & automatic upfeed to original position after drilling the hole. The drilling is optimised according to the cutter's condition & plate hardness.



SPECIFICATIONS

		CUB® XL Auto	SUPER XL Auto	TRIDENT XL Auto	TITAN XL Auto
Input Supply		1100 W, 230V, 50Hz, 1Ph	1500 W, 230V, 50Hz, 1Ph	1800 W, 230V, 50Hz, 1Ph	1800 W, 230V, 50Hz, 1Ph
Capacity	<i>Annular Cutters</i>	Max. Diameter 36mm	Max. Diameter 51mm	Max. Diameter 76mm	Max. Diameter 110mm
	<i>Twist Drill</i>	Max. Diameter 10mm	Max. Diameter 16mm	Max. Diameter 32mm	Max. Diameter 47mm
	<i>Counter Sinking</i>	Max. Diameter 40mm	Max. Diameter 51mm	Max. Diameter 63mm	Max. Diameter 63mm
Spindle		Direct Spindle 19.05mm	Direct Spindle 19.05mm	MT3 Arbor 19.05mm & 31.75mm	MT4 Arbor 19.05mm & 31.75mm
Depth of Cut		50mm	76mm	76mm	100mm
Stroke		126mm	132mm	175mm	175mm
Magnet Clamping Force		10,300N (1050 Kgf)	11,770N (1200 Kgf)	19,620N (2000 Kgf)	23,500N (2400 Kgf)
No-load Speed	<i>Speed 1</i>	600 RPM	270 RPM	180 RPM	135 RPM
	<i>Speed 2</i>	-	540 RPM	460 RPM	235 RPM
	<i>Speed 3</i>	-	-	-	280 RPM
	<i>Speed 4</i>	-	-	-	480 RPM
Weight		15 kg	22 kg	35 kg	41 kg

TRIDENT XL
auto



TITAN XL
auto



FEATURES

	CUB® XL Auto	SUPER XL Auto	TRIDENT XL Auto	TITAN XL Auto
Auto Feed	●	●	●	●
Step Feed	●	●	●	●
Variable Automatic Feed	●	●	●	●
Manual Feed Switching Option	●	●	●	●
Auto Back after drilling	●	●	●	●
Soft Start	●	●	●	●
Steel Rod Design	●	●	●	●
Ergonomic Handle	●	●	●	●
Dual Speed Drill Motor		●	●	
Four Speed Drill Motor				●
Overload Protection/Auto-stop	●	●	●	●
Spindle	Direct	Direct	MT3	MT4
Arbor Lock			●	●
Stack Plate Drilling	●	●	●	●
Large Coolant Bottle	●	●	●	●
Powerful Magnet	10,300N(1050 kgf)	11,770N(1200 kgf)	19,620N (2000 kgf)	23,500N (2400 kgf)

tapmagic series

These models are equipped with reversible motors, with clockwise & anti-clockwise rotation, which is required for tapping operation.



SPECIFICATIONS

		TRIDENT XL Reverse	TITAN XL Reverse
Input Supply		1800 W, 230V, 50Hz, 1Ph	1800 W, 230V, 50Hz, 1Ph
Capacity	Annular Cutters	Max. Diameter 76mm	Max. Diameter 110mm
	Twist Drill	Max. Diameter 32mm	Max. Diameter 47mm
	Counter Sinking	Max. Diameter 63mm	Max. Diameter 63mm
	Tapping	M12-M24	M12-M30
Spindle		MT3 Arbor 19.05mm & 31.75mm	MT4 Arbor 19.05mm & 31.75mm
Depth of Cut		76mm	100mm
Stroke		175mm	175mm
Magnet Clamping Force		19,620N (2000 Kgf)	23,500N (2400 Kgf)
No-load Speed	Speed 1	90-180 RPM	70-135 RPM
	Speed 2	230-460 RPM	120-235 RPM
	Speed 3	-	140-280 RPM
	Speed 4	-	235-480 RPM
	Tapping	As per tap size	As per tap size
Weight		30 kg	36 kg

FEATURES

	TRIDENT XL Reverse	TITAN XL Reverse
Soft Start	●	●
Tapping	●	●
Steel Rod Design	●	●
Ergonomic Handle	●	●
Dual Speed Drill Motor	●	
Four Speed Drill Motor		●
Reversible Motor	●	●
Micro Feed Motor Speed Adjustment	●	●
Overload Protection/ Auto Stop & Start	●	●
Spindle	MT3	MT4
Arbor Lock	●	●
Stack Plate Drilling	●	●
Large Coolant Bottle	●	●
Powerful Magnet	19,620 N (2000 kgf)	23,500 N (2400 kgf)

Quick change tapping attachment

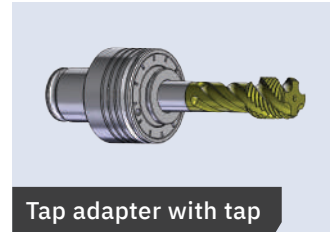
BROACHCUTTER® tapping attachments, designed & manufactured in-house. Specially for use with magnetic drilling machines. With a standard MT3 & MT4 arbor, they are suitable for use with any brand of magnetic drills.



Tapping Kit



Tap Adapter



Tap adapter with tap



MT4 Attachment



MT3 Attachment

Designed by BroachCutter®, use on any magnetic drilling machine.

SPECIFICATIONS

Quick Change Tapping Attachment	Quick Change tapping adaptor with Safety Friction Clutch	Shank Diameter (mm)	Square Size (mm)	Tap Standard
MT3/MT4	M12	9	7	DIN376
	M14	11	9	DIN376
	M16	12	9	DIN376
	M18	14	11	DIN376
	M20	16	12	DIN376
	M22/24	18	14.5	DIN376
	M27	20	16	DIN376
	M30	22	18	DIN376

TCT Cutters

BROACHCUTTER® Cutters are made out of the finest steel and precision machined on fully automatic CNC machines. Special heat treatment gives them excellent strength and toughness.



SHANK TYPES

BROACHCUTTER® TCT Annular Cutters can be made available in all different shank types like WELDON Shank, Universal Shank, Quick Change Shank etc.

SIZE OPTIONS

The cutter standard sizes are available up to 150mm diameter & 150mm depth of cut. Customised cutters can be provided upto 200mm diameter & depth of cut

Carbide Tipped

The Carbide tipped Annular Cutters use high-performance carbide inserts, ultra-fine particles, ultra-high hardness ensuring long life.

Spiral Groove Structure

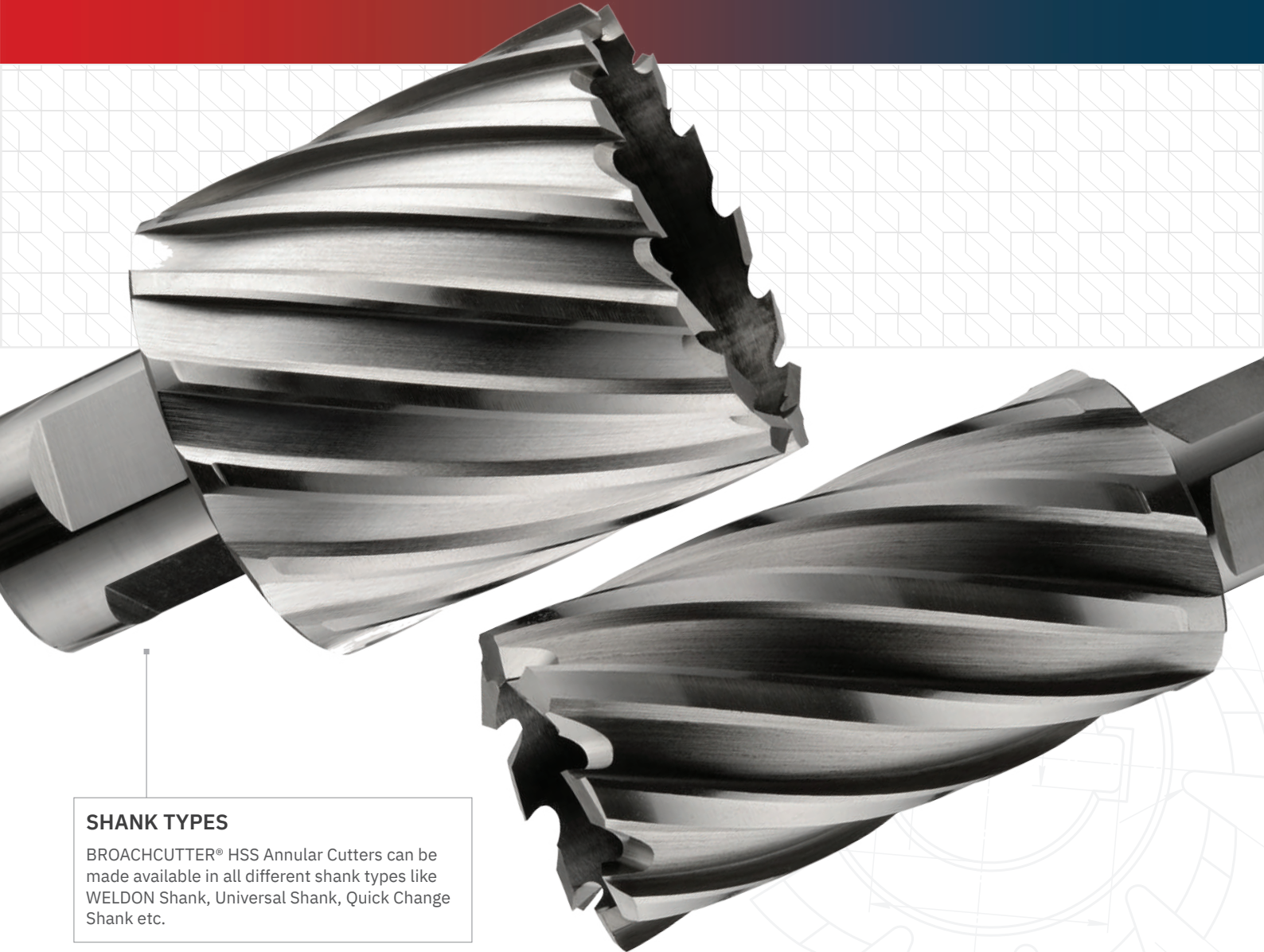
The design of the involute spiral groove structure is adopted as per the different drilling depths enabling smooth chip removal and stable drilling.

Reduced Power Consumption

The cutters feature three different cutting edges - Inner, Middle & Outer cutting edges; due to this design high efficiency is achieved with reduced power consumption.

HSS Cutters

BROACHCUTTER® Cutters are made out of the finest steel and precision machined on full automatic CNC machines. Special heat treatment gives them excellent strength and toughness.



SHANK TYPES

BROACHCUTTER® HSS Annular Cutters can be made available in all different shank types like WELDON Shank, Universal Shank, Quick Change Shank etc.

ACCESSORIES

We manufacture Tapping Kits, Pilot Pins, Extension Rods & Adapters for use with all models.

Long life Cutters

Our HSS Annular Cutters are made of Super Hard high speed steel, with excellent performance of high hardness, red hardness and toughness resulting in a long life.

Geometry based on Cutting Depth

The design of the cutting geometry of end edge is based on different cutting depths, giving excellent performance of good centering & chipping resistance.

Advanced Heat Treatment

Advance Heat Treatment process & stringent quality processess ensure consistently high product quality

Light-weight Rail Drilling Machines

BROACHCUTTER® lightweight rail drilling machines come in petrol & electric variants, both providing a sleek design & high performance with mobility.



RATTLER I

PETROL



SPECIFICATIONS

RATTLER® Petrol

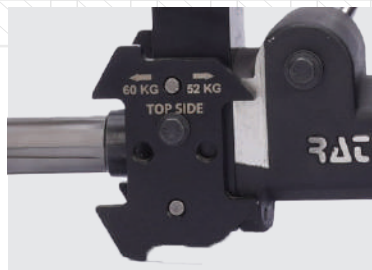
Capacity	Annular Cutters	12-36mm
	Twist Drill	7 to 11mm diameter with 19.05 Weldon Shank Solid Drill
	Counter Sinking	Max. Diameter 40mm
Arbor		Direct Spindle, Weldon, 19.05mm
No load Spindle Speed		Max. 420 RPM/Min. 280 RPM
Machine Weight without Petrol & Engine Oil		17 kgs
Drive		4 Stroke, Petrol Driven, Air cooled
Engine Power		1.5 kw
Fuel Tank Capacity		630 ML
Engine Oil Capacity		130 ML
Machine Dimensions		675mm (L) x 199mm(W) x 440mm (H)

FEATURES



SLEEK & COMPACT DESIGN

Weighs only 17kgs & has a sleek & compact design. This allows for single person handling.



SINGLE LOCATING PLATE

Provided for 52kg & 60kg rails by selecting applicable side. Eliminates the need for multiple plates.



UNIQUE CLAMPING DESIGN

Having a long cam lever enables quick Clamping & De-clamping.

Light-weight Rail Drilling Machines

RATTLER
ELECTRIC


SPECIFICATIONS

RATTLER® Electric

Capacity	Annular Cutters	12-36mm
	Twist Drill	7 to 11mm diameter with 19.05 Weldon Shank Solid Drill
	Counter Sinking	Max. Diameter 40mm
Arbor		Direct Spindle, Weldon, 19.05mm
No load Spindle Speed		600 RPM
Machine Weight		17.250 kgs
Drive		Electric
Motor Power		920 W
Input Supply		1100 W, 230V, 50Hz, 1Ph
Engine Oil Capacity		N/A
Machine Dimensions		539mm (L) x 125mm(W) x 344mm (H)

FEATURES



SLEEK & COMPACT DESIGN

Weighs only 17kgs & has a sleek & compact design. This allows for single person handling.



SINGLE LOCATING PLATE

Provided for 52kg & 60kg rails by selecting applicable side. Eliminates the need for multiple plates.



BroachCutter® DESIGNED ELECTRIC MOTOR

Designed in-house to ensure the best performance.



About us

BroachCutter® Drilling Machines Pvt. Ltd is a Group Company of PIONEER INTERTRADE Group. Established in 1983 we have more than 40 years experience in Industrial Machines Sales, Support & Maintenance. BroachCutter® established in 2011 has pioneered the adaptation of Magnetic Drilling Machines in India and has been the largest Indian brand in the the market for the last 12 years. With the resounding success in India of its own designed & Made in India, XL Series Magnetic Drilling Machines in 2023, BROACHCUTTER® is now ready take on the world.

Our presence in the market

12 Years

In the market
since 2011

20,000+

Machines working
in India

1 Million+

Cutters sold
in India

100+

Authorised Distributor
Network in India

1500+

Sub-dealer network
in India

ALL INDIA SALES & SERVICE AVAILABLE

BroachCutter® Drilling Machines Pvt. Ltd.
301-303, "A" Wing, Durian Estate, Goregaon - Mulund Link Road, Goregaon(East), Mumbai - 400 063, India.

Email - info@broachcutter.net

Website - www.broachcutter.net

Telephone - +91 22 6678 7700 / +91 9322270597



BroachCutter® is a registered trademark owned by Pioneer Intertrade Pvt. Ltd. Unauthorized use or reproduction in any form will have legal implications.