



TITANEX ENGINEERING



— Your Need, Our Goal. —





— Your Need Our Goal —

TCT ANNULAR CUTTER



DIA
12mm
to 200mm



LENGTH
35mm
to 200mm



PRECISE & ACCURATE

Engineered for precise cutting and accurate results.



DURABLE TCT TEETH

Premium Tungsten Carbide Tipped teeth for longer tool life.



HIGH PERFORMANCE

Efficient cutting with smooth operation and less vibration.



WIDE APPLICATION

Ideal for structural steel, stainless steel, and other tough materials.

AVAILABLE RANGE

DIAMETER (DIA)	LENGTH
12mm to 200mm	35mm to 200mm

IDEAL FOR



STEEL
FABRICATION



CONSTRUCTION



INDUSTRIAL
MAINTENANCE



SHIPBUILDING



MACHINE
SHOPS

BUILT STRONG. BUILT TO PERFORM.



— Your Need Our Goal —

EDGE-35

MAGNETIC DRILL MACHINE

POWERFUL • PRECISE • RELIABLE

TITANEX EDGE-35 is a compact and powerful magnetic drilling machine built for precision, durability and maximum performance.

KEY FEATURES



Powerful Magnetic Base

Strong 16,000 N holding force for maximum stability



High Performance Motor

1500 Watt motor for efficient and consistent drilling



Precision Control

600 RPM no load speed with adjustable stroke



Built to Last

Robust construction for long life and reliable performance

TECHNICAL SPECIFICATION

	Model No.	EDGE-35
	Annular Cutter	12 mm – 35 mm
	Twist Drill	1.5 mm – 13 mm
	Motor Power	1500 Watt
	Magnetic Force	16,000 N
	No Load Speed	600 RPM
	Stroke	Adjustable
	Spindle Connection	19.05 mm
	Power Source	220–240V
	Weight	10.5 Kg



IDEAL FOR



STEEL
FABRICATION



CONSTRUCTION



SHIPBUILDING



MAINTENANCE
& REPAIR

BUILT STRONG. BUILT TO PERFORM.

EDGE-50

MAGNETIC DRILL MACHINE

POWERFUL • PRECISE • RELIABLE

TITANEX EDGE-50 is a high performance magnetic drilling machine designed for heavy-duty operations with precision, durability and safety.

KEY FEATURES



Powerful Magnetic Base
Strong 25,000 N holding force for maximum stability



High Performance Motor
1800 Watt motor for efficient and consistent drilling



Precision Control
500 RPM no load speed with adjustable stroke



Built to Last
Robust construction for long life and reliable performance

TECHNICAL SPECIFICATION

	Model No.	EDGE-50
	Cutter Capacity	12 mm – 50 mm
	Twist Drill Capacity	1.5 mm – 25 mm
	No Load Speed	500 RPM
	Stroke	Adjustable
	Motor Power	1800 Watt
	Magnetic Force	25,000 N
	Spindle Connection	MT3
	Power Source	220–240V
	Weight	18 Kg



IDEAL FOR



STEEL
FABRICATION



CONSTRUCTION



SHIPBUILDING



MAINTENANCE
& REPAIR

BUILT STRONG. BUILT TO PERFORM.

PREMIUM QUALITY

HSS SOLID TWIST DRILL BIT

PRECISION • PERFORMANCE • DURABILITY

Manufactured from High Speed Steel (HSS)
for superior performance, precision drilling
and long tool life.



HIGH PRECISION

135° Split Point for
accurate & fast drilling



PREMIUM HSS

Made from high quality
High Speed Steel for
long tool life



DURABLE & RELIABLE

Heat treated for
enhanced hardness
and wear resistance



WIDE APPLICATION

Ideal for Alloy Steel,
Carbon Steel, Cast Iron,
Aluminum & more



TAPER SHANK



- Morse Taper Shank
- Secure grip & accurate alignment
- Ideal for heavy duty drilling

STRAIGHT SHANK



- Straight Shank for general purpose use
- Suitable for drill presses & hand drills
- Easy to fit & versatile

EXTRA LONG SERIES



- Extra reach for deep hole drilling
- Extended length for hard to reach areas
- High rigidity & excellent chip evacuation



ALLOY STEEL



CARBON STEEL



CAST IRON



ALUMINUM



MACHINABLE
MATERIALS



QUALITY YOU CAN TRUST
PERFORMANCE YOU CAN RELY ON

**DRILL STRONG. DRILL PRECISE.
DRILL WITH CONFIDENCE.**

TWIST DRILL BIT

WELDON SHANK 19.05mm



PREMIUM QUALITY

High precision & long tool life



WELDON SHANK

19.05mm



HIGH STRENGTH

Strong & durable performance



PRECISE DRILLING

Accurate & smooth hole making



MATERIAL

HSS

HIGH SPEED
STEEL

CARBIDE

PREMIUM
CARBIDE

DIA



2mm
TO
16mm

LENGTH



35mm / 50mm
75mm / 100mm
150mm / 200mm

SHANK SIZE



19.05mm

TYPE



TWIST
DRILL BIT



MANUFACTURER

Precision Engineered
for Professional Use



PREMIUM
QUALITY



ACCURATE
PERFORMANCE



RELIABLE
& DURABLE

HSS COUNTERSINK BIT

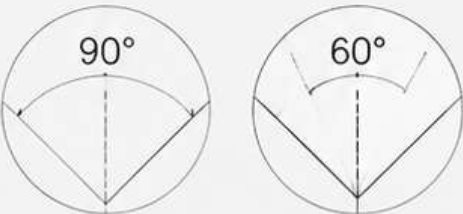
Precision Countersinking for Perfect Results

FEATURES

-  Made from High Speed Steel (HSS) for superior durability and longer life.
-  Precision 90° & 60° cutting angles for accurate and smooth countersinking.
-  Weldone shank for strong grip and slip-free performance.
-  Ideal for deburring, chamfering and countersinking applications.
-  Suitable for use on mild steel, cast iron, aluminum, brass, wood & plastics.



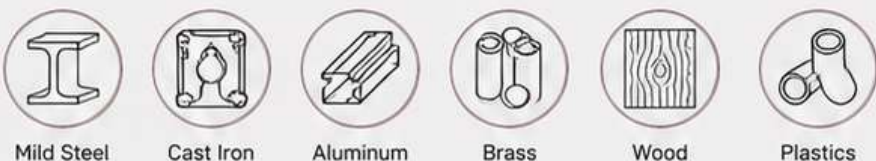
ANGLES AVAILABLE



SIZES AVAILABLE



APPLICATIONS



PRODUCT SPECIFICATIONS

Product Name	HSS Countersink Bit
Material	High Speed Steel (HSS)
Shank Type	Weldone Shank
Angles	90° / 60°
Sizes	25mm, 30mm, 40mm, 50mm
Application	Countersinking, Chamfering, Deburring
Suitable For	Mild Steel, Cast Iron, Aluminum, Brass, Wood, Plastics



HIGH DURABILITY



PRECISE
PERFORMANCE



STRONG &
RELIABLE



PROFESSIONAL
QUALITY

HIGH GREAD MACHINING TAP

FOR DIFFERENT MATERIAL



MS



SS



HARDOX

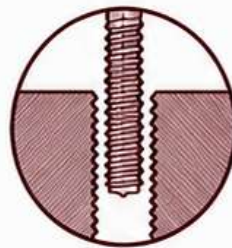


ALL STEEL
MATERIAL



BLIND HOLE

Perfect threading
up to the bottom



THOUGH HOLE

Smooth & accurate
through threading



HIGH
PRECISION



LONG LIFE &
DURABLE



SHARP CUTTING
PERFORMANCE



CONSISTENT
QUALITY

PREMIUM QUALITY PILOT PIN



PREMIUM QUALITY

High precision &
long lasting performance



DIFFERENT SIZE

According for
cutter length



LENGTH

25mm to 200mm
cutter suible pilot pin



EX STOCK

Availability



PERFECT ALIGNMENT
FOR ACCURATE DRILLING



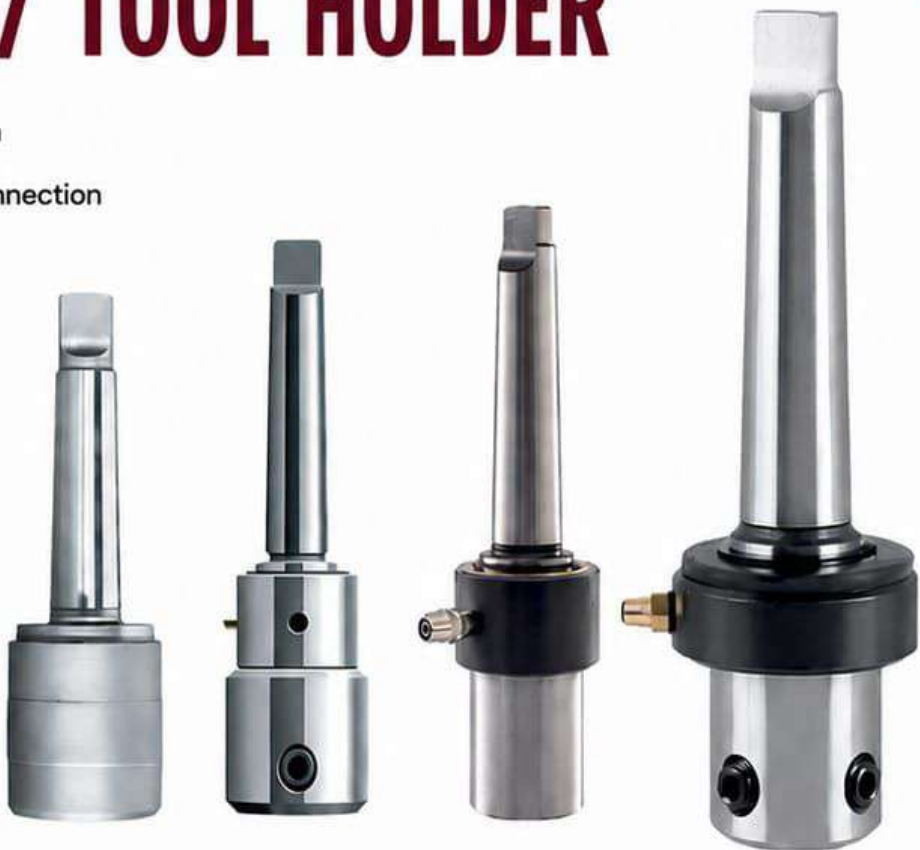
HIGH PRECISION
& STABILITY



MADE FROM HIGH GRADE
MATERIAL

ANNULAR CUTTERS ARBOR / TOOL HOLDER

- ▶ Auto Coolant System
- ▶ Standard / Quick Connection
- ▶ High Precision
- ▶ Strong & Durable
- ▶ Suitable for Heavy Duty Applications



AUTO COOLANT SYSTEM

Internal coolant supply ensures efficient chip evacuation and long tool life.



CONNECTION OPTIONS

- Standard Connection
- Quick Connection



PREMIUM QUALITY

High grade alloy steel for superior strength, accuracy and durability.

DIAMETER OPTIONS

Arbor Diameter	Suitable Cutter Dia.
19.05 mm	12 mm - 60 mm
31.75 mm	60 mm - 200 mm

MORSE TAPER OPTIONS

Morse Taper
MT2
MT3
MT4
MT5

SPECIFICATIONS

Type	Annular Cutters Arbor / Tool Holder
Coolant	Internal Auto Coolant
Connection	Standard / Quick Connection
Material	High Grade Alloy Steel
Accuracy	High Precision
Application	Magnetic Drilling Machines & Industrial Use



COOLANT SYSTEM

Internal Auto Coolant through center.



HIGH PRECISION

Accurate concentricity for smooth drilling performance.



STRONG & DURABLE

Built for heavy duty industrial drilling applications.



HIGH PERFORMANCE

Improves efficiency and extends tool life.



RELIABLE & SAFE

Reliable performance ensures operator safety.

BUILT FOR PRECISION. DESIGNED FOR PERFORMANCE.

TAPPING ATTACHMENT

HIGH PRECISION • HIGH PERFORMANCE • HIGH RELIABILITY

Precision engineered tapping attachments for accurate threading, longer tool life and consistent performance.



MORSE TAPER

MT2



MT3



MT4



MT5

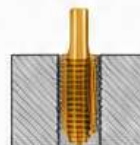


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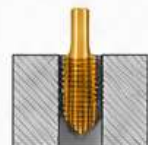
APPLICATION TYPE

THROUGH HOLE



Ideal for through holes where chips can exit freely.

BLIND HOLE



Perfect for blind holes with controlled depth threading.



HIGH ACCURACY
TAPPING



ROBUST &
RELIABLE



EASY TO
OPERATE



LONG TOOL
LIFE



CONSISTENT
PERFORMANCE



ENGINEERED FOR PRECISION.
BUILT FOR PERFORMANCE.

STRONG THREADS. STRONG RESULTS.
PRECISION YOU CAN TRUST.

TCT CUTTER ADAPTERS

PRECISION • STRENGTH • PERFORMANCE



ADAPTER		DESCRIPTION
	FEIN TO WELDON	Converts FEIN quick-release arbors to Weldon shank for secure and stable connection.
	UNIVARSL TO WELDON	Universal fit adapter that converts various arbors to Weldon shank for versatile applications.
	19.05MM TO 31.75MM	Steps up from 19.05mm to 31.75mm for larger cutter capacity and increased stability.
	31.75MM TO 19.05MM	Steps down from 31.75mm to 19.05mm for smaller cutter compatibility and precise performance.
	19.05MM WELDON DRILL BIT ADAPTAR	Converts 19.05mm Weldon shank to standard drill bit for drilling applications.



PREMIUM QUALITY

Made from high-grade material for long lasting performance.



PRECISION ENGINEERING

Accurate fit for maximum efficiency and minimal runout.



STRONG & DURABLE

Built to withstand heavy-duty cutting and drilling tasks.



WIDE COMPATIBILITY

Suitable for various arbors and cutting tools.



RELIABLE PERFORMANCE

Ensures smooth operation and consistent results in every application.

BUILT FOR PROFESSIONALS. DESIGNED FOR PERFORMANCE.

TAP HOLDERS

PRECISION • STRENGTH • PERFORMANCE



DESIGNED FOR
MAGNETIC
DRILL
MACHINES



HIGH PRECISION

Accurate alignment
for perfect threading



STRONG & DURABLE

Made from premium
quality steel



UNIFORM DESIGN

Consistent performance
& longer tool life



HEAVY DUTY

Built for magnetic
drilling machines

SIZE RANGE

SIZE	WELDON SHANK
6mm	19.05mm Weldon shank
8mm	19.05mm Weldon shank
10mm	19.05mm Weldon shank
12mm	19.05mm Weldon shank
14mm	19.05mm Weldon shank
16mm	19.05mm Weldon shank
18mm	19.05mm Weldon shank
20mm	31.75mm Weldon shank
22mm	31.75mm Weldon shank
24mm	31.75mm Weldon shank
26mm	31.75mm Weldon shank
28mm	31.75mm Weldon shank
30mm	31.75mm Weldon shank



RELIABLE. PRECISE. DURABLE.

Engineered for professionals.
Built for results.



SUITABLE FOR
ALL MAGNETIC
DRILL MACHINES

MAGNETIC DRILL MACHINE

DRILL CHUCK & CONNECTIONS



DRILL CHUCK

- 1.5mm to 13mm
- 5mm to 16mm

DRILL CHUCK & CONNECTIONS



CONNECTIONS

19.05MM
WELDON SHANK
CONNECTIONS



MT2



MT3



MT4



MT5



HIGH QUALITY
CONSTRUCTION



PRECISE
PERFORMANCE



STRONG & DURABLE
BUILD

MAGNETIC DRILL MACHINE

MORSE TAPER SLEEVE & EXTENSION SLEEVE

High quality Morse Taper Sleeves and Extension Sleeves designed for magnetic drill machines. Manufactured from premium grade steel for superior strength, accuracy and durability.



PREMIUM QUALITY

Manufactured from high grade alloy steel for maximum wear resistance and long tool life.



HIGH PRECISION

Precisely engineered for accurate fitting, smooth operation and better drilling performance.



DURABLE & RELIABLE

Heat treated and precision ground for excellent strength, durability and reliability.



MORSE TAPER SLEEVE

- Used to adapt Morse Taper shank cutters to magnetic drill machines.
- Available in various Morse Taper sizes.
- Precision ground for perfect alignment and rigidity.
- Ideal for secure and accurate drilling operations.



EXTENSION SLEEVE

- Used to extend the depth of cutting tool in magnetic drill machines.
- Provides extra reach for deep drilling applications.
- Strong, durable and vibration resistant.
- Available in various lengths to suit your requirement.

TCT CUTTER EXTENSION



Different size
increases cutter length



High Strength
and Durable



Weldon Shank
19.05mm



50mm



75mm



100mm



150mm



200mm



250mm



EXTENDS CUTTER
LENGTH



AVAILABLE IN
MULTIPLE SIZES



HIGH STRENGTH
AND DURABLE



WELDON SHANK
19.05MM

CUTEDGE

PERFORMANCE THAT GETS RESULTS



SUPERIOR
PROTECTION



THERMAL
STABILITY



ENHANCED
PERFORMANCE



EXTENDED
TOOL LIFE

PREMIUM CUTTING OIL

specifically for
MAGNETIC DRILLING MACHINE

Cutting-edge oil formulated to deliver exceptional performance in magnetic drilling operations.



SMOOTH CUTTING

Reduces friction and ensures smooth, precise cutting.



EXTRA CUTTER LIFE

Minimizes wear and tear for longer tool life.



HEAT RESISTANCE

Withstands high temperatures and prevents overheating.



SUPERIOR LUBRICATION

Provides excellent lubrication for consistent performance.



TYPICAL PERFORMANCE DATA

Appearance	Clear Yellow
Kinematic Viscosity	32-46 cSt @ 40°C
Density	0.88 g/cm ³
Flash Point	> 180°C
Pour Point	< -6°C



SMOOTH CUTTING

Reduces friction and ensures smooth, precise cutting.



EXTRA CUTTER LIFE

Minimizes wear and tear for longer tool life.



HEAT RESISTANCE

Withstands high temperatures and prevents overheating.



SUPERIOR LUBRICATION

Provides excellent lubrication for consistent performance.

MAXIMUM PERFORMANCE. MINIMUM DOWNTIME.

Trusted by Professionals. Engineered for Performance.



SUITABLE FOR
ALL METALS

COMPATIBLE WITH
ALL MAGNETIC DRILLING
MACHINES

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— • YOUR NEED, OUR GOAL • —