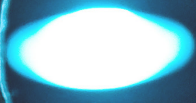


MAGNETIC DRILLS





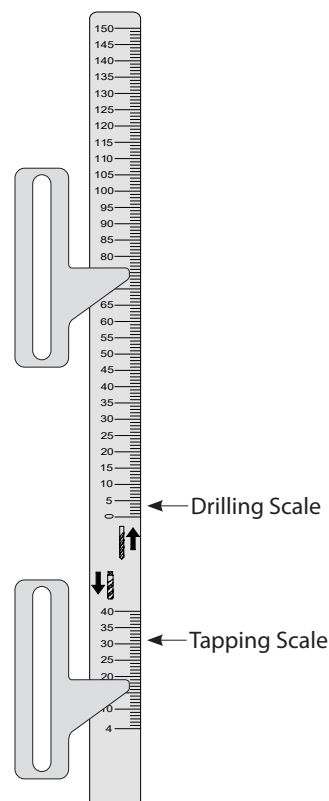
Component	Power (W)
CPU	~150
GPU	~1200
Storage	~50
Network	~100
Other	~100

TP2000 MAGNETIC TAPPING & DRILLING MACHINE

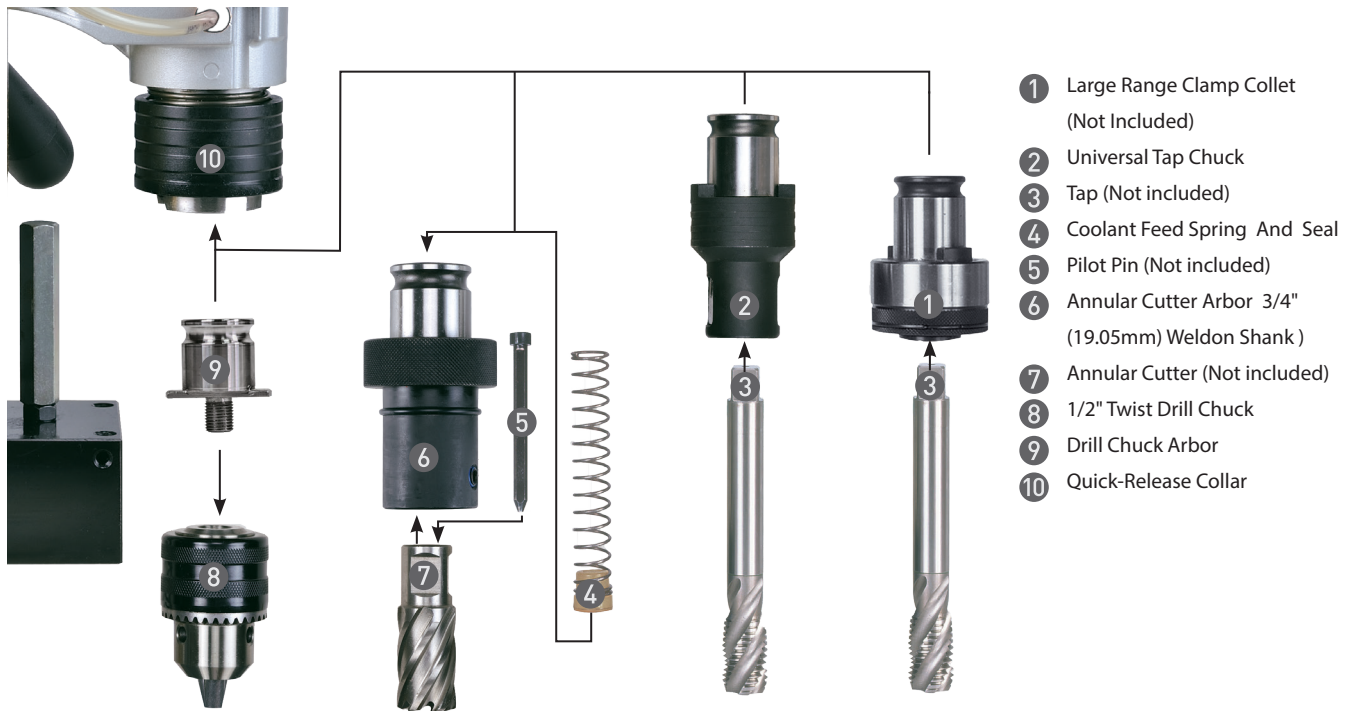
A patented, versatile, 1100 W magnetic tapping & drilling machine. Specially designed, two-mode gearbox with one setting for tapping with auto-reverse, and another setting for standard drilling. Convenient quick-release Bilz no.2 type coupling system.



④ Depth Meter (for blind holes)



Model	TP2000
Power Input	1100 W
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
Tapping Mode: No Load (Rated Load) Speed	150 (90) min ⁻¹ (350 min ⁻¹ in reverse)
Drilling Mode: No Load (Rated Load) Speed	550 (330) min ⁻¹
Spindle Coupling	31 mm (Bilz no. 2)
Annular Cutter Arbor	Set Screw Type, 19.05 mm (3/4") Weldon Shank
Capacity, Taps: Ø	20 mm (13/16")
Capacity, Cutters: Ø x Depth of Cut	35 mm x 50 mm (1-3/8" x 2")
Capacity, Twist Drills (≤ 1/2" shank): Ø x Depth of Cut	13 mm x 150 mm (1/2" Shank x 6")
Magnetic Adhesion	15,000 N
Weight	14.5 kg (32.0 lb)
Characteristics / Certification	    

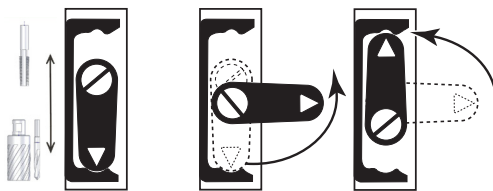


Mode Selector

Auto-Reverse Tapping Mode

Drilling Mode

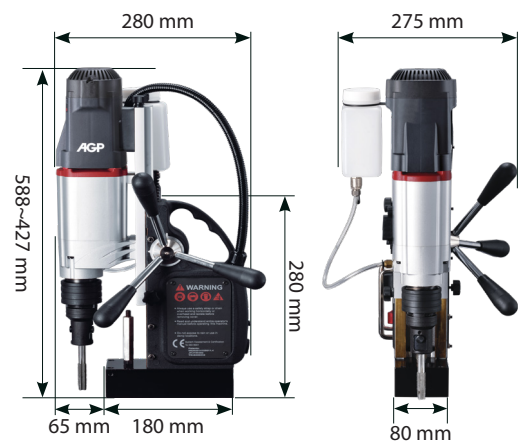
Tapping Mode



Annular Cutter Arbor
(Annular cutter and pilot pin not included)



Drill Chuck Arbor



Features

1. 2 mode gear box for optimized torque and cutting speed.
2. Mode Selector for shifting between Auto-Reverse Tapping Mode or Standard Drilling Mode.
3. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.
4. Depth Meter.
5. Travel Limiter Stop.

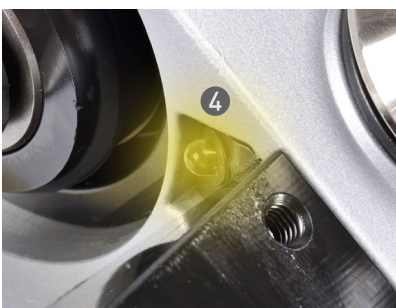
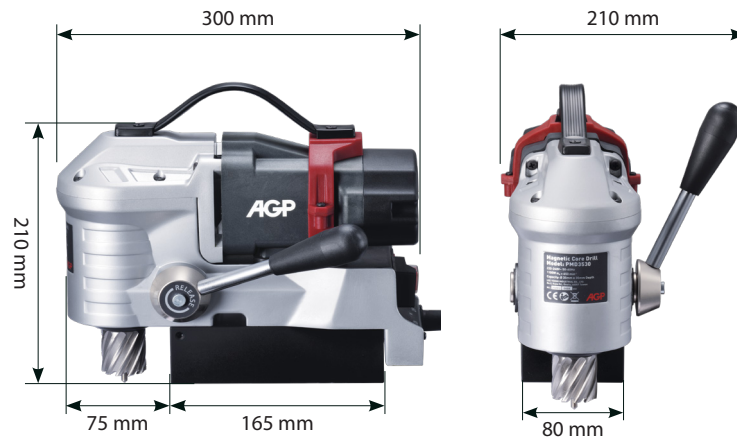
Standard/ Optional Accessories See p. 110

PMD3530 LOW PROFILE MAGNETIC DRILL

A low-profile single speed 1100 W magnetic drilling machine for up to Ø 35 x 35 mm standard sized cutters. It's compact size fits into 198 mm vertical spaces. The LED work light is very useful in dark work areas.



Model	PMD3530
Power Input	1100 W
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load (Rated Load) Speed	650 (390) min ⁻¹
Max. Capacity Ø x Depth of Cut	35 mm x 35 mm (1-3/8" x 1-3/8")
Cutter Shank	19.05 mm (3/4") Weldon
Magnetic Adhesion	15,000 N
Weight	10.5 kg (23.2 lb)
Characteristics / Certification	    



Features

1. 1-speed gear box for optimized torque and cutting speed.
2. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.
3. The adjustable tool-free lever can mount on either side.
4. LED light for working in dark spaces.
5. Ergonomic handle for convenient carrying.

Standard/ Optional Accessories See p. 110

MD300N AUTO FEED MAGNETIC DRILL

1100 W electronically optimized automatic feed magnetic drilling machine with manual return for core drilling up to 30 mm diameter. Saves time and allows longer cutter life.

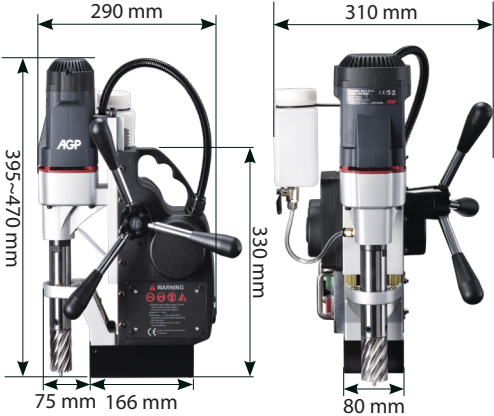


Features

- 1. Auto feed saves time and maximizes productivity.
- 2. Dual-Purpose Crank Lever for switching between manual and auto feed.
- 3. 3 Position Feed Rate Selector for optimized auto feed.
- 4. Arbor Support bracket cutter stability.

Standard/ Optional Accessories See p. 110

Model	MD300N
Power Input	1100 W
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load (Rated Load) Speed	550 (330) min ⁻¹
Max. Capacity of Cutters	Ø x Depth of Cut (Hand Feed) 35 mm x 50 mm (1-3/8" x 2") Ø x Depth of Cut (Auto Feed) 30 mm x 45 mm (1-3/16" x 1-3/4")
Overload Protection	With
Magnetic Adhesion	15,000 N
Weight	15.9 kg (35.1 lb)
Characteristics / Certification	    



SMD351L, SMD351H

VARIABLE SLIDE MAGNETIC DRILLS WITH QUICK-RELEASE ARBOR

Single speed 1100 W magnetic drilling machines with quick-release arbor and adjustable slide height. The speed of the SMD 351L is optimized for HSS cutters up to Ø 42 x 50 mm and the SMD 351H is optimized for TCT cutters up to Ø 35 x 50 mm. Both are capable of twist drilling up to 1/2" shank.

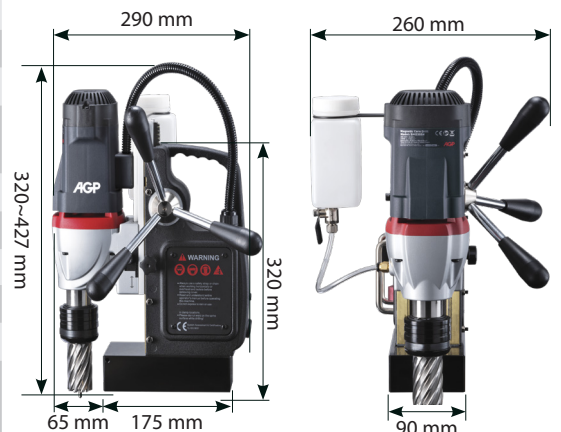


Features

1. A versatile and economical tool that fulfills the needs of most operators.
2. The quick-adjustable variable height slide allows quick conversion between cutters and twist drills. Lower for cutters, raise for twist drills.
3. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.

Standard/ Optional Accessories See p. 110

Model	SMD351L	SMD351H
Power Input	1100 W	
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load (Rated Load) Speed	450 (270) min ⁻¹	730 (440) min ⁻¹
Max. Capacity	Ø x Depth of Cut of Cutters	
	SMD351L: 42 x 50 mm (1-5/8" x 2")	
	SMD351H: 35 x 50 mm (1-3/8" x 2")	
Ø Twist Drills	≤ 1/2" shank	
	Stroke	
	140 mm (5-1/2")	
Overload Protection	With	
Magnetic Adhesion	15,000 N	
Weight	12.6 kg (27.7 lb)	
Characteristics / Certification	   	



Note: Choose the arbor type suitable for the cutter shank type available in your region. There are 4 types. See p. 115 for details.

SMD352, SMD502

TWO SPEED, VARIABLE SLIDE MAGNETIC DRILLS WITH QUICK-RELEASE ARBOR

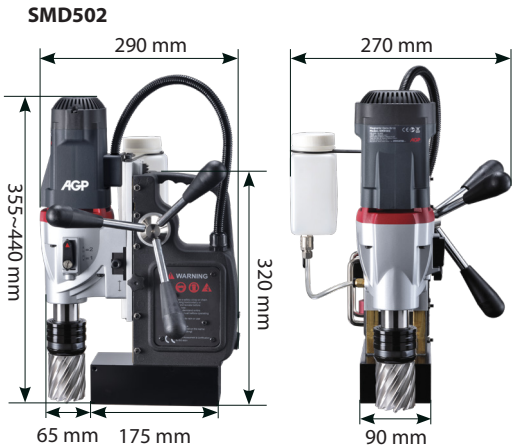
2-speed 1100 W magnetic drilling machine with quick-release arbor and adjustable slide height. Choose the SMD 352 for cutters up to Ø 42 x 50 mm and the SMD 502 for cutters up to Ø 50 x 50 mm. Both are capable of twist drilling up to 1/2" shank.



Features

- 1. 2-speed gear box for optimized torque and cutting speed for a wide range of cutting tools.
 - 2. The quick-adjustable variable height slide allows quick conversion between cutters and twist drills. Lower for cutters, raise for twist drills.
 - 3. The Quick-Release arbor makes it quick and tool-free to change cutters and accessories.
- Standard/ Optional Accessories See p. 111

Model		SMD352	SMD502
Power Input		1100 W	
Voltage, Frequency		220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load (Rated Load)	Gear 1	450 (270) min ⁻¹	300 (180) min ⁻¹
	Gear 2	730 (440) min ⁻¹	450 (270) min ⁻¹
Max. Capacity		SMD352: 42 mm x 50 mm (1-3/8" x 2") SMD502: 50 mm x 50 mm (2" x 2")	
Ø Twist Drills		≤ 1/2" shank	
Stroke		140 mm (5-1/2")	
Overload Protection		Optional	With
Magnetic Adhesion		15,000 N	17,000 N
Weight		13.1 kg (28.8 lb)	14.8 kg (32.6 lb)
Characteristics / Certification			



Note: Choose the arbor type suitable for the cutter shank type available in your region. There are 4 types. See p. 114 for details.

MD500/2 2-SPEED LONG-CUTTER MAGNETIC DRILL

A 2-speed 2000 W magnetic drilling machine for cutters up to Ø65 x 75 mm L and twist drills up to 16 mm (5/8") shank. Features extra long cutter capacity.

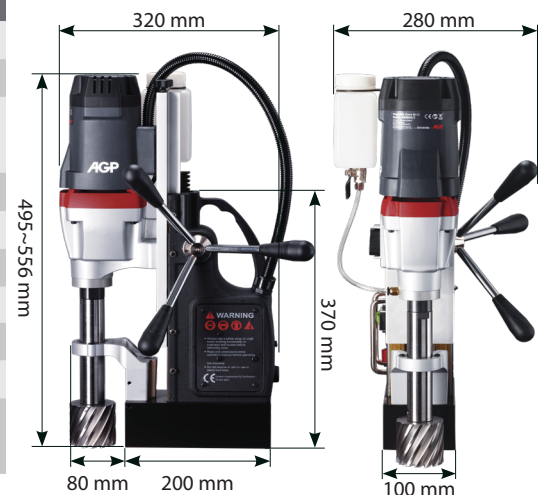


Features

1. 2-speed gear box for optimized torque and cutting speed for a wide range of cutting tools.
2. Extra Long Cutter Capacity.
3. Arbor Support Bracket.

Standard/ Optional Accessories See p. 111

Model	MD500/2	
Power Input	2000 W (220 V), 1700 W (110 V)	
Voltage, Frequency	220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load (Rated Load)	Gear 1	380 (230) min ⁻¹
Speeds	Gear 2	550 (330) min ⁻¹
	Ø x Depth of Cut of Cutters	65 mm x 75 mm (2-9/16" x 3")
Max. Capacity	Ø Twist Drills	≤ 16 mm (5/8") shank
	Stroke	115 mm (4-1/2")
Overload Protection	With	
Magnetic Adhesion	32,000 N	
Weight	21.1 kg (46.5 lb)	
Characteristics / Certification		



ST50

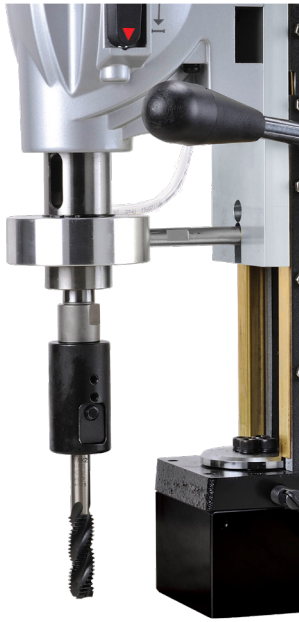
2-SPEED, MT2, SWIVEL BASE MAGNETIC

DRILLING & TAPPING MACHINE WITH VARIABLE SPEED

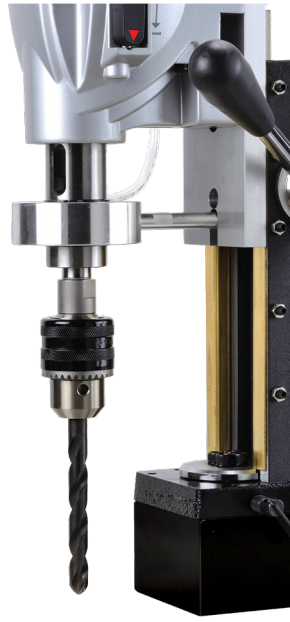
A versatile MT2, two speed/ variable speed 1100 W magnetic core drilling machine for cutters up to Ø 50 x 50 mm, twist drills up to 23 mm, and taps up to M20. The MT2 arbor can also fit many other types of cutting tools. Features swivel base for access to difficult to reach areas. The variable speed and sophisticated electronics allow optimized cutting speeds.



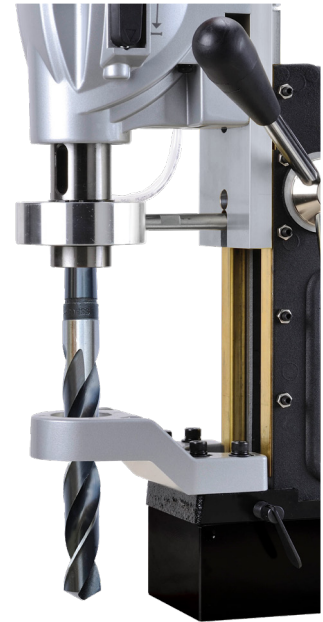
Model		ST50
Power Input		1100 W
Voltage, Frequency		220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
No Load (Rated Load) Speeds	Gear 1	150 - 300 (90 - 180) min ⁻¹
	Gear 2	225 - 450 (135 - 270) min ⁻¹
Max. Capacity	Ø x Depth of Cutters	50 mm x 50 mm (2" x 2")
	Drill Chuck Capacity	≤ 1/2" shank
	Ø of MT2 Twist Drills	20 mm (13/16")
	Ø of Taps	M20 (13/16")
Stroke with MT2 Cutting Tools		150 mm (5-7/8")
Magnetic Adhesion		17,000 N
Overload Protection & Soft Start		With
Weight		16.4 kg (36.2 lb)
Characteristics / Certification		



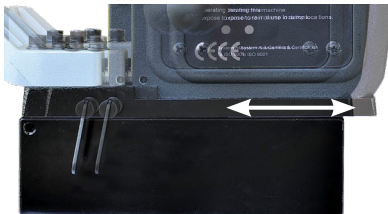
Standard 2 Jaw Universal Tap Chuck
Steplessly grips any tap from M6 to M20 with 1/2"



Standard Chuck Adaptor
Twist Drilling with 1/2" Chuck

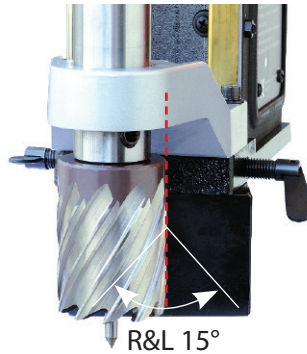


MT2 Shank accessories such
as twist drills up to 23 mm ,
reamers, countersinks, etc.



Swivel Base Equipped for
difficult to reach areas

Forward and back 15 mm



Features

1. 2-speed gear box with mechanical clutch for optimized torque and cutting speed.
2. Electronic Variable Speed Knob for optimized cutting speed.
3. Built-in cutting fluid system with unique through-the-spindle fluid feed.
4. Swivel Magnet Base equipped for difficult to reach areas.
5. Reversing Switch for tapping.
6. Arbor Support Bracket.

Standard/ Optional Accessories See p. 111

MD750/4

4-SPEED, MT3 MAGNETIC DRILLING & TAPPING MACHINE

MDS750/4

4-SPEED, MT3 SWIVEL BASE MAGNETIC DRILLING & TAPPING MACHINE

4-speed 2000 W heavy-duty magnetic drilling machine for cutters up to Ø 75 x 50 mm, twist drills up to 32 mm, and taps up to 25.4 mm. The MT3 arbor can also fit many other types of cutting tools. MDS750/4 features swivel Base for difficult to reach areas.



MD750/4



MDS750/4

Model		MD750/4	MDS750/4
Power Input		2000 W (220-240 V), 1700 W (110-120 V)	
Voltage, Frequency		220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz	
No Load (Rated) Speeds	Gear 1	150 (90) min ⁻¹	
	Gear 2	200 (120) min ⁻¹	
	Gear 3	300 (180) min ⁻¹	
	Gear 4	380 (230) min ⁻¹	
Max. Capacity	Ø x Depth of Cut of Annular Cutters	75 mm x 50 mm (3" x 2")	75 mm x 75 mm (3" x 3")
	Drill Chuck Capacity	≤ 16 mm (5/8") shank	
	Ø of MT3 Twist Drill	32 mm (1-1/4")	
	Ø of Taps	25.4 mm (1")	
Stroke with MT3 Cutting Tools		145 mm (5-11/16")	155 mm (6-1/8")
Overload Protection		With	
Magnetic Adhesion		32,000 N	
Weight		24.4 kg (53.8 lb)	27.8 kg (61.3 lb)
Characteristics / Certification		     	

■ **Twist Drilling with Chuck**



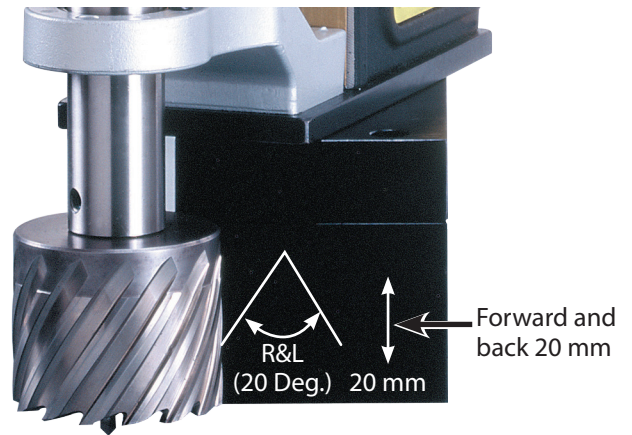
MT3 Chuck Adaptor
and Chuck (optional)

■ **Twist Drilling**



MT3 Twist Drill Bit
(Not included)

■ **SWIVEL BASE EQUIPPED MODELS (MDS750/4)**
for difficult to reach areas



■ **Tapping Mode (Optional)**



MT3 #2 Range Tapping
Chuck & Clamp Collet



MT3 #1 Range Tapping Chuck
& Clamp Collet



Quick-Release Annular Cutter
Arbor for cutters up to Ø 60 mm



MD750/4



MDS750/4



Features

1. 4-speed gear box for optimized torque and cutting speed for a wide range of cutting tools.
2. Built-in cutting fluid system with unique through-the-spindle fluid feed.
3. Swivel Magnet Base Equipped for difficult to reach areas. (MDS750/4)
4. Reversing Switch for tapping.

Standard/ Optional Accessories See p. 112

MD120/4

4-SPEED, MT3 MAGNETIC DRILLING & TAPPING MACHINE WITH VARIABLE SPEED

A 4-speed, 2000 W heavy-duty magnetic drilling machine for cutters up to Ø120 x 50 mm, twist drills up to 32 mm, and taps up to M32. The MT3 arbor can also fit many other types of cutting tools. The variable constant speed and sophisticated electronics allow optimized cutting speeds. The gearbox features a mechanical clutch for safety.



Model		MD120/4
Power Input		2000 W (220-240 V), 1700 W (110-120 V)
Voltage, Frequency		220-240 V~ 50-60 Hz or 110-120 V~ 50-60 Hz
* Rated Load Speeds	Gear 1	35 - 115 min ⁻¹
	Gear 2	70 - 210 min ⁻¹
	Gear 3	80 - 250 min ⁻¹
	Gear 4	140 - 450 min ⁻¹
Max. Capacity	Ø x Depth of Cut (with Set-Screw Type Cutter Arbor)	120 mm x 50 mm (4-3/4" x 2"), (100 mm (4") depth optional)
	Ø x Depth of Cut (with Quick-Release Cutter Arbor)	60 mm x 50 mm (2-3/8" x 2")
	Chuck Capacity	≤ 16 mm (5/8") shank
	Ø of MT3 Twist Drills	32 mm (1-1/4")
	Ø of Taps	32 mm (1-1/4")
	Stroke	215 mm (8-1/2")
	Max. Spindle Height	295 mm (11-5/8")
Overload Protection		With
Magnetic Adhesion		32,000 N
Weight		29.3 kg (64.6 lb)
Characteristics / Certification		       

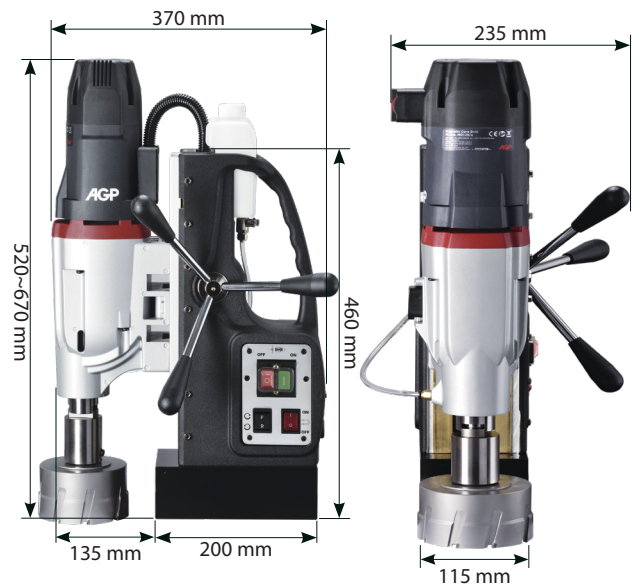
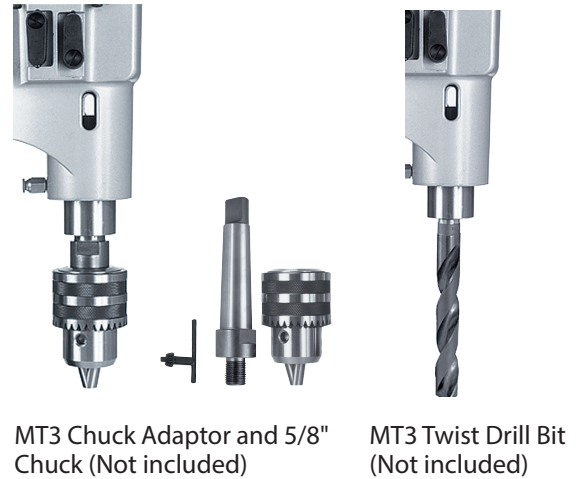
* Due to the constant speed design, the no load and the rated load speeds are roughly the same.

■ Tapping Mode (Optional)



■ Twist Drilling with Chuck

■ Twist Drilling



Features

1. 4-speed gear box with mechanical clutch for optimized torque and cutting speed for a wide range of cutting tools.
2. Built-in cutting fluid system for cutters with unique through-the-spindle fluid feed.
3. Stepless variable speed wheel for electronic speed control with constant speed circuitry.
4. Reversing Switch for tapping.
5. Special MT3 high-torque tang drive spindle (mounts any MT3 accessory).

Standard/ Optional Accessories See p. 113

Magnetic Drilling Accessories

TP2000 Magnetic Tapping & Drilling Machine

Standard Accessories	
Universal Tap Chuck	
Wrench M8	
L-Hex Key M2.5	
L-Hex Key M4	
Drill Chuck Adaptor Arbor	
1/2" Chuck And Chuck Key	
Annular Cutter Arbor	
Coolant Tank Kit	
Chip Guard Kit	
Ratchet Strap	
Optional Accessories	Part Number
a Other sizes of Clamp Collets	See p. 112



a Large Range Bilz no.2
Clamp Collets

PMD3530 Low Profile Magnetic Drill

Standard Accessories	
Ratchet Strap	
Chip Guard Kit	
Optional Accessories	
Overload Protection	

MD300N Auto Feed Magnetic Drill

Standard Accessories	
Wrench M8	
L-Hex Key M2.5	
L-Hex Key M4	
Chip Guard Kit	
Coolant Tank Kit	
Ratchet Strap	

SMD351L, SMD351H

Variable Slide Magnetic Drills With Quick-Release Arbor

Standard Accessories	
Wrench M8	
L-Hex Key M2.5	
L-Hex Key M4	
T- Wrench M6	
Coolant Tank Kit	
Ratchet Strap	
Chip Guard Kit	
Optional Accessories	
Overload Protection	
Quick-Release Chuck Adaptor	

SMD352, SMD502

Two Speed, Variable Slide Magnetic Drills With Quick-Release Arbor

Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
T- wrench M6
Coolant Tank kit
Ratchet Strap
Chip Guard Kit
Overload Protection (SMD502)
Optional Accessories
Overload Protection (SMD352)
Quick-Release Chuck Adaptor

MD500/2 Long Cutter 2-Speed Magnetic Drill

Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
Chip Guard Kit
Coolant Tank Kit
Ratchet Strap
Optional Accessories
Chuck Adaptor
5/8" (16 mm) Chuck & Chuck Key
Quick-Release Cutter Arbor

ST50

2-Speed, MT2, Swivel Base Magnetic Drilling & Tapping Machine With Variable Speed

Standard Accessories
MT2 Annular Cutter Arbor
Drift
Wrench M8
L-Hex Key M2.5
L-Hex Key M4
L-Hex Key M5
Coolant Tank Kit
Chip Guard Kit
Ratchet Strap
MT2 Chuck Adaptor
MT2 Universal Tap Chuck
Optional Accessories
1/2" (13 mm) Chuck, Key

Magnetic Drilling Accessories

MD750/4

4-Speed, MT3 Magnetic Drilling & Tapping Machine

Standard Accessories	
MT3 Annular Cutter Arbor (set screw type)	
Wrench M8	
L-Hex Key M2.5	
L-Hex Key M4	
Chip Guard Kit	
Coolant Tank Kit	
Ratchet Strap	
Drift	
Optional Accessories	
MT3 Chuck Adaptor	
5/8" (16 mm) Chuck & Chuck Key	
MT3 Tapping Adaptors	
Tapping Attachments	
Pipe Vise For Pipe Diameters 32 mm - 203 mm (1-1/4" - 8-1/4")	0299-0062-00000-002
MT3 Quick-Release Annular Cutter Arbor	



Pipe Vise

MDS750/4

4-Speed, MT3 Swivel Base Magnetic Drilling & Tapping Machine

Standard Accessories	
MT3 Annular Cutter Arbor (set screw type)	
Wrench M8	
L-Hex Key M2.5	
L-Hex Key M4	
Chip Guard Kit	
Coolant Tank Kit	
Ratchet Strap	
Drift	
Wrench M17	
Optional Accessories	
MT3 Chuck Adaptor	
5/8" (16 mm) Chuck & Chuck Key	
MT3 Tapping Adaptors	
Tapping Attachments	
Pipe Vise For Pipe Diameters 32 mm - 203 mm (1-1/4" - 8-1/4")	0299-0062-00000-001
MT3 Quick-Release Annular Cutter Arbor	



Pipe Vise

MD120/4

4-Speed, MT3 Magnetic Drilling & Tapping Machine With Variable Speed

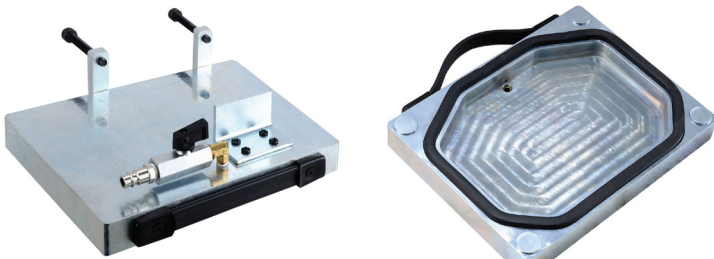
Standard Accessories
Wrench M8
L-Hex Key M2.5
L-Hex Key M5
Chip Guard Kit
Coolant Tank Kit
Ratchet Strap
Drift
MT3 (1-1/4" Weldon) Annular Cutter Arbor, 50 mm depth (set screw type)
MT3 (3/4" Weldon) Annular Cutter Arbor, 50 mm depth (set screw type)
Optional Accessories
MT3 Chuck Adaptor
5/8" (16 mm) Chuck & Chuck Key
MT3 Tapping Adaptors
Tapping Attachments
MT3 (3/4" Weldon) Quick-Release Annular Cutter Arbor, 50 mm depth
MT3 (1-1/4" Weldon) Annular Cutter Arbor, 100 mm depth, (set screw type)
MT3 (3/4" Weldon) Annular Cutter Arbor, 75 mm depth, (set screw type)

Vacuum Base Adapter

For drilling up to Ø55 mm holes on surfaces where the magnet's adhesion would not work or would be problematic, such as:

- Non-magnetic surfaces
- Thin steel
- Patterned surfaces such as diamond plate.

Note: This vacuum base reduces the effective depth of cut by 30 mm, so 50 mm or longer cutters must be used.



Model	Vacuum Base Adapter
Applicable Models	All AGP mag drill models
Required Vacuum	-0.8 bar (-26 inHg)
Required Flow Rate	30 L/min (1 cfm)
Maximum Annular Cutter	Ø55 mm
Dimensions (LxWxH)	234 x 209 x 81 mm
Weight	5.3 kg (11.7 lb)



VP140 Vacuum Pump See p. 61

Magnetic Drilling Accessories

MD750/4, MDS750/4, MD120/4 Tapping Attachments MT3 #1 Range Tapping Chuck & #1 Range Clamp Collets

a MT3 Small Range Tapping Chuck (For Clamp Collets 3 ~ 15mm) **302-04293-901-001**

Clamp Collets				Clamp Collets			
Nominal Tap	Shank	Size of	Part Number	Nominal Tap	Shank	Size of	Part Number
Sizes:	Dia.:	Square:		Sizes:	Dia.:	Square:	
M3-JIS	4.0	3.2	305-00155-000-001	UNC1/2-JIS	9.0	7.0	305-00155-000-041
M4-JIS	5.0	4.0	305-00155-000-002	M3.5-DIN376	2.5	2.1	305-00155-000-015
M5-JIS	5.5	4.5	305-00155-000-003	M4-DIN376	2.8	2.1	305-00155-000-016
M6-JIS	6.0	4.5	305-00155-000-004	M4.5 / M5 -DIN376	3.5	2.7	305-00155-000-017
M7/M8-JIS	6.2	5.0	305-00155-000-005	M6-DIN376	4.5	3.4	305-00155-000-019
M9/M10-JIS	7.0	5.5	305-00155-000-006	M7-DIN376	5.5	4.3	305-00155-000-020
M11-JIS	8.0	6.0	305-00155-000-007	M8-DIN376	6.0	4.9	305-00155-000-021
M12-JIS	8.5	6.5	305-00155-000-008	M10-DIN376	7.0	5.5	305-00155-000-022
M14/M15-JIS	10.5	8.0	305-00155-000-009	M12-DIN376	9.0	7.0	305-00155-000-023
UNC5/16-JIS	6.1	5.0	305-00155-000-040	M14-DIN376	11.0	9.0	305-00155-000-024



MT3 #2 Range Tapping Chuck & #2 Range Clamp Collets

c MT3 Large Range Tapping Chuck (For Clamp Collets 7 ~ 25mm) **302-04293-901-002**

Clamp Collets				Clamp Collets			
Nominal Tap	Shank	Size of	Part Number	Nominal Tap	Shank	Size of	Part Number
Sizes:	Dia.:	Square:		Sizes:	Dia.:	Square:	
M7/M8-JIS	6.2	5.0	305-00155-000-030	UNC 1/2-JIS	9.0	7.0	305-00155-000-042
M9/M10-JIS	7.0	5.5	305-00155-000-031	UNC 5/8-JIS	12.0	9.0	305-00155-000-046
M11-JIS	8.0	6.0	305-00155-000-032	M8-DIN376	6.0	4.9	305-00155-000-036
M12-JIS	8.5	6.5	305-00155-000-033	M10-DIN376	7.0	5.5	305-00155-000-037
M14/M15-JIS	10.5	8.0	305-00155-000-034	M12-DIN376	9.0	7.0	305-00155-000-038
M16-JIS	12.5	10.0	305-00155-000-010	M14-DIN376	11.0	9.0	305-00155-000-039
M18-JIS	14.0	11.0	305-00155-000-011	M16-DIN376	12.0	9.0	305-00155-000-025
M20-JIS	15.0	12.0	305-00155-000-012	M18-DIN376	14.0	11.0	305-00155-000-026
M22 / UNC7/8 -JIS	17.0	13.0	305-00155-000-013	M20-DIN376	16.0	12.0	305-00155-000-027
M24/M25-JIS	19.0	15.0	305-00155-000-014	M22 / M24 -DIN376	18.0	14.5	305-00155-000-028



MT3 Annular Cutter Arbors w/ 19.05 (3/4") or 31.75 mm (1-1/4") Weldon Shank

(2 Set Screws, C- clip, Washer, O-ring, Water seal , and Spring are included)

Sizes:	Application	Part Number
ø19.05 mm (3/4") (L 186 mm), 50 mm depth	MD120/4	0299-0078-00000-003
ø19.05 mm (3/4") (L 212 mm), 50 mm depth	MD750/4	0299-0078-00000-009
ø19.05 mm (3/4") (L 237 mm), 75 mm depth	MDS750/4, MD120/4	0299-0078-00000-010
ø31.75 mm (1-1/4") (L 156 mm), 50 mm depth	MD120/4	0299-0078-00000-035
ø31.75 mm (1-1/4") (L 223 mm), 100 mm depth	MD120/4	0299-0078-00000-042



MT3 Quick-Release Annular Cutter Arbors w/19.05 (3/4") Weldon Shank*

(Spring & Water seal are included)

Sizes:	Application	Part Number
Single flat side with lock pin 12.3 mm (type A1)	MD750/4, MD120/4	0299-0078-00000-001
Single flat side with lock pin 11.7 mm (type B1)	MD750/4, MD120/4	0299-0078-00000-005
Single flat side with lock pin 12.3 mm (type A1)	MDS750/4	0299-0078-00000-012
Single flat side with lock pin 11.7 mm (type B1)	MDS750/4	0299-0078-00000-015
Two flat side with lock pin 12.3 mm (type A2)	MDS750/4	0299-0078-00000-024
Two flat side with lock pin 11.7 mm (type B2)	MDS750/4	0299-0078-00000-016

*60 mm cutter maximum capacity



Quick-Release Chuck Adaptors

Description: Allows Chuck to mount in Quick-Release Arbor	Application	Part Number
Single flat, 17.4 mm (std. deep flat type A1)	SMD series	302-04240-901-001
Two flats, 17.4 mm (std. deep flat type A2)		302-04240-901-002
Single flat, 17.9 mm (shallow flat type B1)		302-04240-903-003
Two flats, 17.8 mm (shallow flat type B2)		302-04240-903-004



Pilot Pins

Description:	Dimensions	Part Number
Pilot Pin for 12-17 mm TCT 35L cutters	TCT - 90L x Ø 6.34 mm	305-00016-000-009
Pilot Pin for 18-60 mm TCT 35L cutters	TCT - 90L x Ø 7.98 mm	305-00016-000-008
Pilot Pin for 12-17 mm TCT 50L cutters	TCT - 106L x Ø 6.34 mm	305-00016-000-010
Pilot Pin for 18-60 mm TCT 50L cutters	TCT - 108L x Ø 7.98 mm	305-00016-000-011
Pilot Pin for 12-100 mm HSS 30L cutters	HSS - 77L x Ø 6.34 mm	305-00016-000-002
Pilot Pin for 12-100 mm HSS 50L cutters	HSS - 103L x Ø 6.34 mm	305-00016-000-003



Chuck Adaptors (to mount chuck to motor spindle)

Description:	Mount	Application	Part Number
Chuck Adaptor for 5/8" Chucks	M27-3.0 / 5/8"-16	MD500/2	302-04020-901-014

Description:	Mount	Application	Part Number
Chuck Adaptor for 5/8" Chucks	MT3 / 5/8"-16	MD750/4, MDS750/4, MD120/4	0202-0016-00000-001
Chuck Adaptor for B16 Taper Mount Chucks	MT3 / B16		302-04020-901-009



Drill Chucks & Chuck Keys

Description & Clamping Capacity	Mount	Application	Part Number
5/8" Chuck (w/ Key) (1 mm~16 mm)	5/8"-16	EVP180, MD750/4, MDS750/4, MD500/2, MD120/4	305-00014-000-002
1/2" Chuck (w/ Key) (1 mm~13 mm)	1/2"-20	EV21, SMD351H, SMD351L, SMD352, SMD502, ST50, TP2000	305-00014-000-001



Magnetic Chip Collector

(Push in the plunger to activate magnetic force to collect chips, Pull back the plunger to release the chips.)

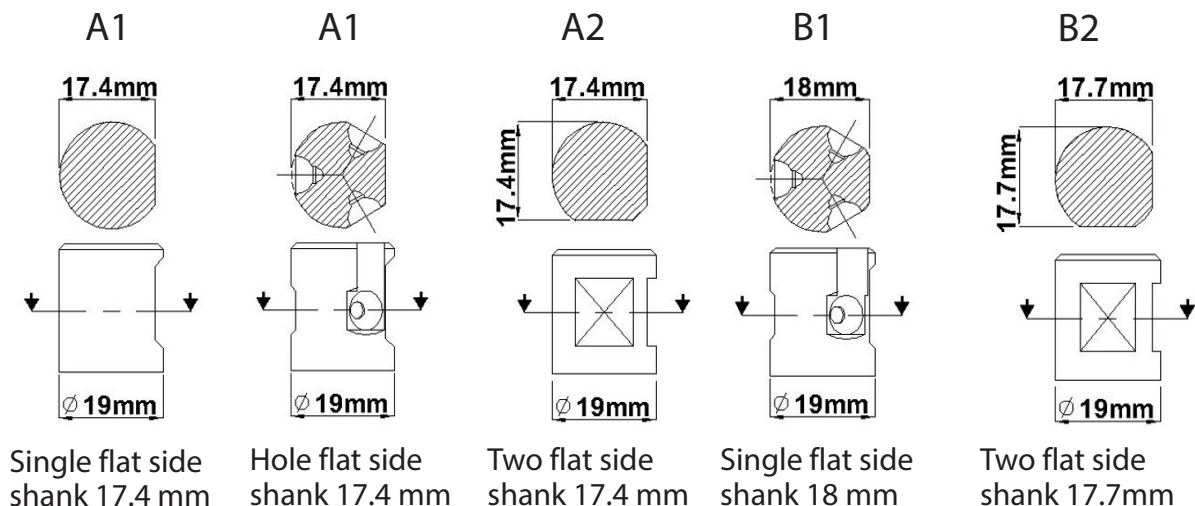
Dimensions	Part Number
400 mm x 25 mm	305-00173-000-001



Quick-Release Arbor Type

Quick-release arbors must be selected to be compatible with the cutter shank type available in your market.

There are 4 basic types: (type A1 is our default type)



Magnetic Drilling Accessories

TCT Annular Cutters

With 19.05 mm (3/4") Universal Shank

(Sizes 65 mm ~ 75 mm with 31.75 mm (1-1/4") Universal Shank)

35 mm Length Cutters

Spec.	Park Number
12 mm x 35L	305-00161-000-096
13 mm x 35L	305-00161-000-099
14 mm x 35L	305-00161-000-001
15 mm x 35L	305-00161-000-002
16 mm x 35L	305-00161-000-003
17 mm x 35L	305-00161-000-004
18 mm x 35L	305-00161-000-005
19 mm x 35L	305-00161-000-006
20 mm x 35L	305-00161-000-007
21 mm x 35L	305-00161-000-008
22 mm x 35L	305-00161-000-009
23 mm x 35L	305-00161-000-010
24 mm x 35L	305-00161-000-011
25 mm x 35L	305-00161-000-012
26 mm x 35L	305-00161-000-013
27 mm x 35L	305-00161-000-014
28 mm x 35L	305-00161-000-015
29 mm x 35L	305-00161-000-016
30 mm x 35L	305-00161-000-017

35 mm Length Cutters

Spec.	Park Number
31 mm x 35L	305-00161-000-018
32 mm x 35L	305-00161-000-019
33 mm x 35L	305-00161-000-020
34 mm x 35L	305-00161-000-021
35 mm x 35L	305-00161-000-022
36 mm x 35L	305-00161-000-023
37 mm x 35L	305-00161-000-024
38 mm x 35L	305-00161-000-025
39 mm x 35L	305-00161-000-026
40 mm x 35L	305-00161-000-027
41 mm x 35L	305-00161-000-028
42 mm x 35L	305-00161-000-029
43 mm x 35L	305-00161-000-030
44 mm x 35L	305-00161-000-031
45 mm x 35L	305-00161-000-032
46 mm x 35L	305-00161-000-033
47 mm x 35L	305-00161-000-034
48 mm x 35L	305-00161-000-035
49 mm x 35L	305-00161-000-036
50 mm x 35L	305-00161-000-037



Long-wearing Tungsten Carbide Tips

(Sizes 50L x 76 mm up to 100 mm available on request.)

50 mm Long Reach Cutters

Spec.	Park Number
16 mm x 50L	305-00161-000-097
17 mm x 50L	305-00161-000-098
18 mm x 50L	305-00161-000-038
19 mm x 50L	305-00161-000-039
20 mm x 50L	305-00161-000-040
21 mm x 50L	305-00161-000-041
22 mm x 50L	305-00161-000-042
23 mm x 50L	305-00161-000-043
24 mm x 50L	305-00161-000-044
25 mm x 50L	305-00161-000-045
26 mm x 50L	305-00161-000-046
27 mm x 50L	305-00161-000-047
28 mm x 50L	305-00161-000-048
29 mm x 50L	305-00161-000-049
30 mm x 50L	305-00161-000-050
31 mm x 50L	305-00161-000-051
32 mm x 50L	305-00161-000-052
33 mm x 50L	305-00161-000-053
34 mm x 50L	305-00161-000-054
35 mm x 50L	305-00161-000-055
36 mm x 50L	305-00161-000-056
37 mm x 50L	305-00161-000-057
38 mm x 50L	305-00161-000-058
39 mm x 50L	305-00161-000-059
40 mm x 50L	305-00161-000-060
41 mm x 50L	305-00161-000-061
42 mm x 50L	305-00161-000-062
43 mm x 50L	305-00161-000-063
44 mm x 50L	305-00161-000-064
45 mm x 50L	305-00161-000-065

50 mm Long Reach Cutters

Spec.	Park Number
46 mm x 50L	305-00161-000-066
47 mm x 50L	305-00161-000-067
48 mm x 50L	305-00161-000-068
49 mm x 50L	305-00161-000-069
50 mm x 50L	305-00161-000-070
51 mm x 50L	305-00161-000-071
52 mm x 50L	305-00161-000-072
53 mm x 50L	305-00161-000-073
54 mm x 50L	305-00161-000-074
55 mm x 50L	305-00161-000-075
56 mm x 50L	305-00161-000-076
57 mm x 50L	305-00161-000-077
58 mm x 50L	305-00161-000-078
59 mm x 50L	305-00161-000-079
60 mm x 50L	305-00161-000-080
61 mm x 50L	305-00161-000-081
62 mm x 50L	305-00161-000-082
63 mm x 50L	305-00161-000-083
64 mm x 50L	305-00161-000-084

31.75 mm (1-1/4") Shank

Spec.	Park Number
65 mm x 50L	305-00161-000-085
66 mm x 50L	305-00161-000-086
67 mm x 50L	305-00161-000-087
68 mm x 50L	305-00161-000-088
69 mm x 50L	305-00161-000-089
70 mm x 50L	305-00161-000-090
71 mm x 50L	305-00161-000-091
72 mm x 50L	305-00161-000-092
73 mm x 50L	305-00161-000-093
74 mm x 50L	305-00161-000-094
75 mm x 50L	305-00161-000-095

(Sizes 35L x 51 mm up to 100 mm available on request.)

HSS Annular Cutters with 19.05 mm (3/4") Weldon Shank

30 mm Length Cutters		
Spec.	Park Number	
12 mm x 30L	305-00162-000-001	
13 mm x 30L	305-00162-000-002	
14 mm x 30L	305-00162-000-003	
15 mm x 30L	305-00162-000-004	
16 mm x 30L	305-00162-000-005	
17 mm x 30L	305-00162-000-006	
18 mm x 30L	305-00162-000-007	
19 mm x 30L	305-00162-000-008	
20 mm x 30L	305-00162-000-009	
21 mm x 30L	305-00162-000-010	
22 mm x 30L	305-00162-000-011	
23 mm x 30L	305-00162-000-012	
24 mm x 30L	305-00162-000-013	
25 mm x 30L	305-00162-000-014	
26 mm x 30L	305-00162-000-015	
27 mm x 30L	305-00162-000-016	
28 mm x 30L	305-00162-000-017	
29 mm x 30L	305-00162-000-018	
30 mm x 30L	305-00162-000-019	



Resharpenable HSS tool steel cutters

(Sizes 50L x 76 mm up to 100 mm available on request.)

30 mm Length Cutters		
Spec.	Park Number	
31 mm x 30L	305-00162-000-020	
32 mm x 30L	305-00162-000-021	
33 mm x 30L	305-00162-000-022	
34 mm x 30L	305-00162-000-023	
35 mm x 30L	305-00162-000-024	
36 mm x 30L	305-00162-000-025	
37 mm x 30L	305-00162-000-026	
38 mm x 30L	305-00162-000-027	
39 mm x 30L	305-00162-000-028	
40 mm x 30L	305-00162-000-029	
41 mm x 30L	305-00162-000-030	
42 mm x 30L	305-00162-000-031	
43 mm x 30L	305-00162-000-032	
44 mm x 30L	305-00162-000-033	
45 mm x 30L	305-00162-000-034	
46 mm x 30L	305-00162-000-035	
47 mm x 30L	305-00162-000-036	
48 mm x 30L	305-00162-000-037	
49 mm x 30L	305-00162-000-038	
50 mm x 30L	305-00162-000-039	

(Sizes 30L x 51 mm up to 100 mm available on request.)

50 mm Length Cutters		
Spec.	Park Number	
12 mm x 50L	305-00162-000-040	
13 mm x 50L	305-00162-000-041	
14 mm x 50L	305-00162-000-042	
15 mm x 50L	305-00162-000-043	
16 mm x 50L	305-00162-000-044	
17 mm x 50L	305-00162-000-045	
18 mm x 50L	305-00162-000-046	
19 mm x 50L	305-00162-000-047	
20 mm x 50L	305-00162-000-048	
21 mm x 50L	305-00162-000-049	
22 mm x 50L	305-00162-000-050	
23 mm x 50L	305-00162-000-051	
24 mm x 50L	305-00162-000-052	
25 mm x 50L	305-00162-000-053	
26 mm x 50L	305-00162-000-054	
27 mm x 50L	305-00162-000-055	
28 mm x 50L	305-00162-000-056	
29 mm x 50L	305-00162-000-057	
30 mm x 50L	305-00162-000-058	

50 mm Length Cutters		
Spec.	Park Number	
31 mm x 50L	305-00162-000-059	
32 mm x 50L	305-00162-000-060	
33 mm x 50L	305-00162-000-061	
34 mm x 50L	305-00162-000-062	
35 mm x 50L	305-00162-000-063	
36 mm x 50L	305-00162-000-064	
37 mm x 50L	305-00162-000-065	
38 mm x 50L	305-00162-000-066	
39 mm x 50L	305-00162-000-067	
40 mm x 50L	305-00162-000-068	
41 mm x 50L	305-00162-000-069	
42 mm x 50L	305-00162-000-070	
43 mm x 50L	305-00162-000-071	
44 mm x 50L	305-00162-000-072	
45 mm x 50L	305-00162-000-073	
46 mm x 50L	305-00162-000-074	
47 mm x 50L	305-00162-000-075	
48 mm x 50L	305-00162-000-076	
49 mm x 50L	305-00162-000-077	
50 mm x 50L	305-00162-000-078	