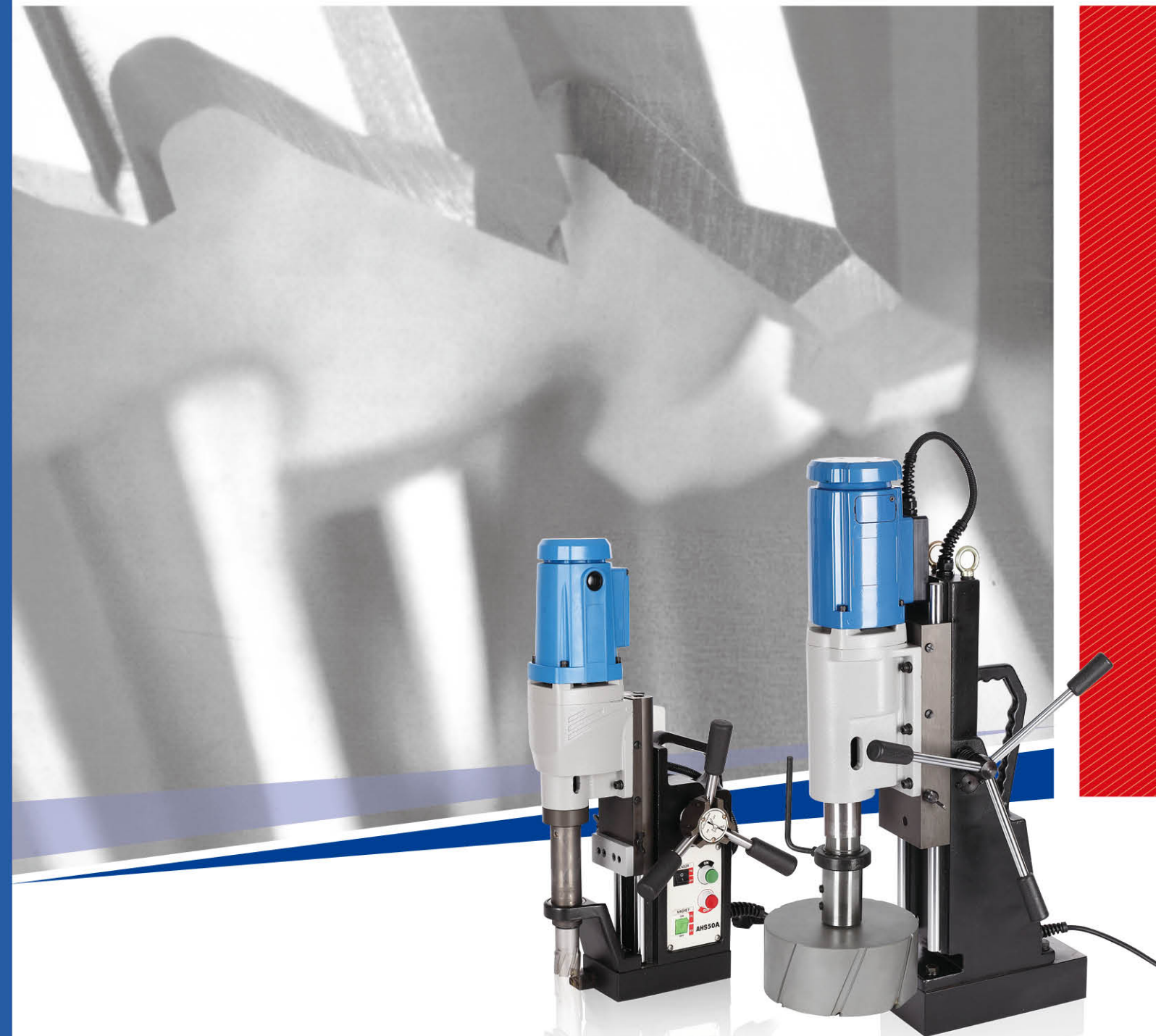


The world's toughest
portable Magnetic Drill!



Electro-Magnetic Hole Cutting
Machines-offering ultimate
portability and versatility



TruMag®
HOSAN TECHNOLOGIES CO., LTD.

HOSAN TECHNOLOGIES CO., LTD.

10-12 Dongtansandan 5-gil Dongtan Hwaseong Gyeonggi-do, Korea 18487
Tel : 82-31-376-1451 Fax : 82-31-376-1406 E-mail : trumag@naver.com Homepage : www.tool.co.kr

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HOSAN TECHNOLOGIES CO., LTD.



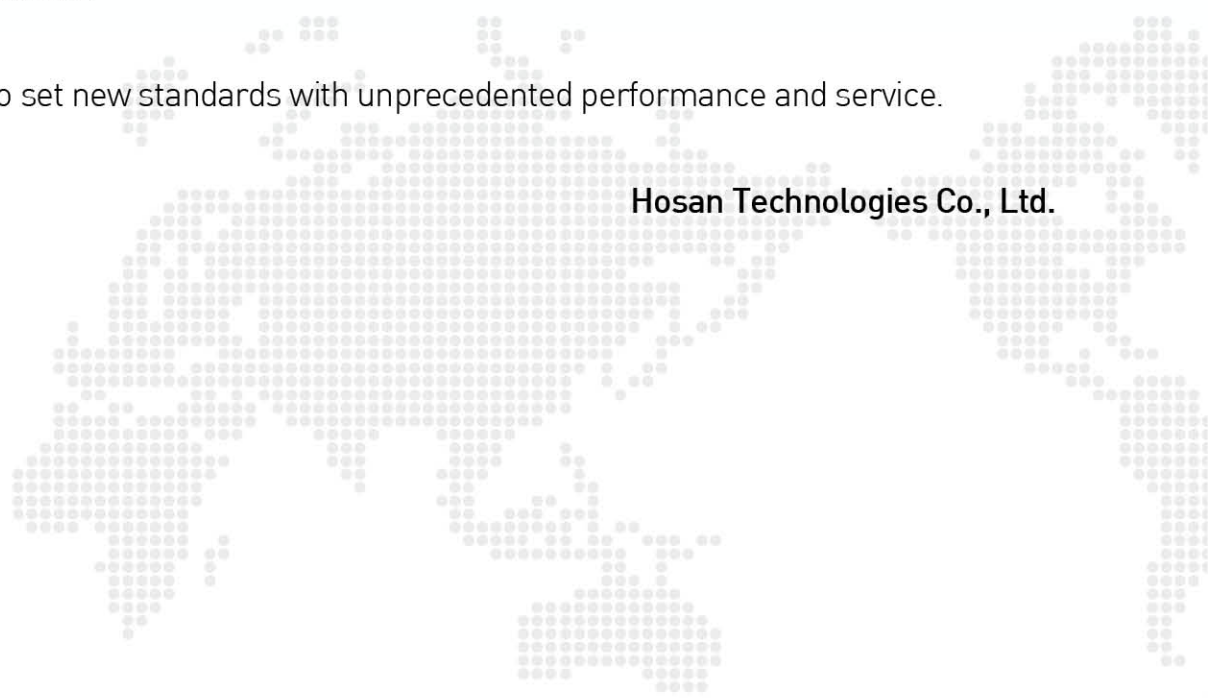
We at Hosan introduce a new generation of electro-magnetic drilling machines .

We have been specialized in this line sine 1994 and TruMag is the result of extensive research and continuous developement. We are proud of its unique design and greatly improved performance.

With its superior magnetic drilling M/C and quality cutters, TruMag will provide you cost effective solution for better hole making. All of TruMag machines are made of the most durable components which have passed all sorts of endurance tests.

TruMag is sold exclusively through a selective industrial distributor network all over the world. TruMag's customers receive the fullest support and service from us and our honorable distributors.

We are aiming to set new standards with unprecedented performance and service.

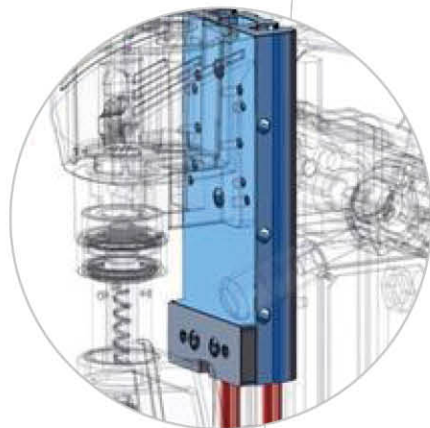


Hosan Technologies Co., Ltd.

We make differences!

1. Unique Sliding system - Patent

TruMag has very unique and stable sliding system.
It consists of 4 main parts ; Slide Board, Rail Bar, Adjustment Gib and Slide Brake.
It makes it possible to do quite more stable cutting than normal dove-tail system without any bad movement in sliding area.
It has passed 10,000 times sliding test in our lab.



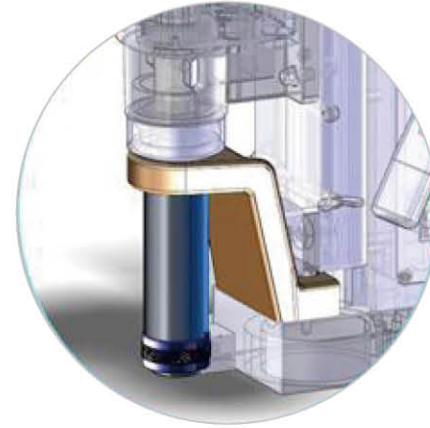
2. Powerful and Durable Motors

Each TruMag model, HS40, HS50, HS100 and H-TAP52 can cut max. 40, 50, 100 and 200mm dia. actually.
They have passed very severe and various tests of quality and durability ; EMC, actual cutting of many holes, temperature and noise...etc.
Even so, TruMag will be improved continuously with well equipped automatic facilities and top-level motor engineers.
We are doing all necessary inspections before delivery.



3. Auto-Chucking Arbor for annular cutters - Patent

TruMag has auto-chucking arbor for HS40A, AHS50A and HSP40. This is designed for normal annular cutters with 2 cuts in shank. Convenience and durability have been guaranteed !



4. Internal Cable

TruMag machines have internal cable system. Motor cable leads to top of main frame, cable-free in handling area. It gives you more safety and convenience.



5. Movement Sensor

In case of any change in magnetic field of electromagnet, the motor will stop immediately. This is to prevent unexpected danger during operating due to magnet force failure.

**** Sensor Switch :** This sensor is optional.
In case sensor is not necessary, you can switch it off.


**HS40/
HS40A**

Trumag HS40 is very compact and lightweight machine of only 12Kg, but can cut upto Ø40mm actually.
All Trumag machines have new sliding system exclusively designed by Hosan. It gives you highest stability without extra support and possibility to cut bigger holes.

* Available in 110/120V or 220/240V, AC 50-60Hz

* Supplied in case complete with ; Safety chain, Carabina and Hexagon key.

Main FEATURES

- Very compact and lightweight design- only 12Kg.
- Improved magnetic holding power.
- Weldon Shank.
- Auto-chucking arbor is option (HS40A)
- New sliding system - Patented.
- CE confirmed.

SPECIFICATIONS

• Height	345(485)mm
• Width	170mm
• Length	230mm
• Stroke	140mm
• Net Weight	12kg
• Magnet on 1" plate(Dead Lift)	840kgf
• Total power consumption	1,150Watt
• Speed(No load, RPM)	750
• Hole capacity	
- Twist Drill	Ø13mm
- Trumag cutter	Ø40mm



HS50

Trumag HS50 is medium capacity machine for cutting upto Ø50mm. All Trumag machines have new sliding system exclusively designed by Hosan. It gives you highest stability without extra support and possibility to cut bigger holes.

* Available in 110/120V or 220/240V, AC 50-60Hz

* Supplied in case complete with ; Arbor for cutters, Safety chain, Carabina and Hexagon key.

Main FEATURES

- 2 -speed motor.
- Improved magnetic holding power.
- Quick and easy conversion from twist drilling to cutting with Trumag cutters-MT2 Arbor.
- New sliding system - Patented.
- CE confirmed.



SPECIFICATIONS

• Height	430(620)mm
• Width	200mm
• Length	260mm
• Stroke	190mm
• Net Weight	17Kg
• Magnet on 1" plate(Dead Lift)	920Kgf
• Total power consumption	1,550Watt
• Speed(No load, RPM)	250/650
• Hole capacity	
- Twist Drill	Ø23mm
- Trumag cutter	Ø50mm

H-TAP20

Trumag H-TAP20 is reversible and very versatile machine for drilling, cutting and tapping.

All Trumag machines have new sliding system exclusively designed by Hosan. It gives you highest stability without extra support and possibility to cut bigger holes.

* Available in 110/120V or 220/240V, AC 50-60Hz

* Supplied in case complete with ; Arbor for cutters, Safety chain, Carabina and Hexagon key.

Main FEATURES

- Reversible motor for tapping.
- Speed adjustable.
- Quick and easy conversion from twist drilling to cutting with Trumag cutters-MT2 Arbor.
- Automatic motor stop in case of over-current.
- New sliding system - Patented.
- CE confirmed.
- Optional movement sensor.

SPECIFICATIONS

• Height	430(620)mm
• Width	200mm
• Length	260mm
• Stroke	190mm
• Net Weight	17Kg
• Magnet on 1" plate(Dead Lift)	920Kgf
• Total power consumption	1,550Watt
• Speed(No load, RPM)	112~250/270~650
• Hole capacity	
- Twist Drill	Ø23mm
- Trumag cutter	Ø50mm
- Tapping	M20



HS100

Trumag HS100 is higher capacity machine for cutting upto Ø100mm. HS100 is fitted with heavy duty motor unit of total power consumption of 2,000Watt.

All Trumag machines have new sliding system exclusively designed by Hosan. It gives you highest stability without extra support and possibility to cut bigger holes.

* Available in 110/120V or 220/240V, AC 50-60Hz

* Supplied in case complete with ; Arbor for cutters, Safety chain, Carabina and Hexagon key.

Main FEATURES

- Powerful double insulated motor of 4 -speed.
- Quick and easy conversion from twist drilling to cutting with Trumag cutters-MT3 Arbor.
- New sliding system - Patented.
- CE confirmed.

SPECIFICATIONS

• Height	530(790)mm
• Width	205mm
• Length	300mm
• Stroke	260mm
• Net Weight	26Kg
• Magnet on 1" plate(Dead Lift)	1,600Kgf
• Total power consumption	2,000W
• Speed(No load, RPM)	85/160/320/570
• Hole capacity	
- Twist Drill	Ø32mm
- Trumag cutter	Ø100mm

H-TAP30

Trumag H-TAP30 has heavy duty reversible motor unit, and can be used for tapping upto M30.

All Trumag machines have new sliding system exclusively designed by Hosan. It gives you highest stability without extra support and possibility to cut bigger holes.

* Available in 110/120V or 220/240V, AC 50-60Hz

* Supplied in case complete with ; Arbor for cutters, Safety chain, Carabina and Hexagon key.

Main FEATURES

- Reversible motor for tapping.
- Speed adjustable.
- Quick and easy conversion from twist drilling to cutting with Trumag cutters-MT3 Arbor.
- Automatic motor stop in case of over-current.
- New sliding system - Patented.
- CE confirmed.
- Optional movement sensor.

SPECIFICATIONS

• Height	530(790)mm
• Width	205mm
• Length	300mm
• Stroke	260mm
• Net Weight	26Kg
• Magnet on 1" plate(Dead Lift)	1,600Kgf
• Total power consumption	2,000W
• Speed(No load, RPM)	1st : 45~85
	2nd : 90~160
	3rd : 215~400
	4th : 300~570
• Hole capacity	
- Twist Drill	Ø32mm
- Trumag cutter	Ø100mm
- Tapping	M30



HR-TAP52

Trumag HR-TAP52 is the only machine to cut upto Ø200mm in the world, which has very heavy duty motor of about 3,000Watt. All Trumag machines have new sliding system exclusively designed by Hosan. It gives you highest stability without extra support and possibility to cut bigger holes.

- * Available in 110/120V or 220/240V, AC 50-60Hz
- * Supplied in case complete with ; Arbor for cutters, Safety chain, Carabina and Hexagon key.

Main FEATURES

- Reversible motor for tapping.
- Speed adjustable.
- Quick and easy conversion from twist drilling to cutting with Trumag cutters-MT5 Arbor.
- Gear slip system to prevent cutter breakage.
- Automatic motor stop in case of over-current.
- New sliding system - Patented.
- CE confirmed.
- Optional movement sensor.

SPECIFICATIONS

• Height	680(890)mm
• Width	280mm
• Length	455mm
• Stroke	330mm
• Net Weight	52Kg
• Magnet on 1" plate(Dead Lift)	2,200Kgf
• Total power consumption	3,000Watt
• Speed(No load, RPM)	20~50 / 50~110
• Hole capacity	
- Twist Drill	Ø55mm
- Trumag cutter	Ø200mm
- Tapping	M52



AHS50 / AHS50A

Trumag AHS50 is auto-feeding machine. It has all necessary safety system for self-feeding. Specially movement sensor will guarantee final safety against any unexpected accident.

- * Optional Arbor
AHS50 – MT2 Arbor
AHS50A – Auto-Chucking Straight Arbor.
- * Available in 110/120V or 220/240V, AC 50-60Hz
- * Supplied in case complete with ; Arbor for cutters, Safety chain, Carabina and Hexagon key.

Main FEATURES

- Very stable auto-feeding (15.5mm/min).
- Automatic speed adjustment during cutting.
- Automatic motor stop in case of over-current.
- CE confirmed.
- Optional movement sensor.

SPECIFICATIONS

	AHS50	AHS50A
• Height	430(620)mm	495(675)mm
• Width	245mm	245mm
• Length	325mm	325mm
• Stroke	190mm	180mm
• Net Weight	19Kg	20.5Kg
• Magnet on 1" plate(Dead Lift)	920Kgf	920Kgf
• Total power consumption	1,550Watt	1,550Watt
• Speed(No load, RPM)	250/650	250/650
• Hole capacity		
- Twist Drill	Ø23mm	
- Trumag cutter	Ø50mm	Ø50mm



AHS50



AHS50A

Trumag Cutters

ANNULAR HOLE CUTTERS in H.S.S. or T.C.T

Trumag Cutters have a geometry, enabling holes to be cut quickly and accurately.

Trumag Cutters are produced to the highest standard of quality and accuracy in our factory using state-of-the-art Walter C.N.C. machines



STANDARD PRODUCTION RANGE OF CUTTERS in H.S.S.

CUTTER dia.	25mm depth	50mm depth	75mm depth	CUTTER dia.	25mm depth	50mm depth	75mm depth
12	S12001	S12002		51	S51001	S51002	S51003
13	S13001	S13002		52	S52001	S52002	S52003
14	S14001	S14002		53	S53001	S53002	S53003
15	S15001	S15002		54	S54001	S54002	S54003
16	S16001	S16002		55	S55001	S55002	S55003
17	S17001	S17002		56	S56001	S56002	S56003
18	S18001	S18002		57	S57001	S57002	S57003
19	S19001	S19002		58	S58001	S58002	S58003
20	S20001	S20002	S20003	59	S59001	S59002	S59003
21	S21001	S21002	S21003	60	S60001	S60002	S60003
22	S22001	S22002	S22003	61	S61001	S61002	S61003
23	S23001	S23002	S23003	62	S62001	S62002	S62003
24	S24001	S24002	S24003	63	S63001	S63002	S63003
25	S25001	S25002	S25003	64	S64001	S64002	S64003
26	S26001	S26002	S26003	65	S65001	S65002	S65003
27	S27001	S27002	S27003	66	S66001	S66002	S66003
28	S28001	S28002	S28003	67	S67001	S67002	S67003
29	S29001	S29002	S29003	68	S68001	S68002	S68003
30	S30001	S30002	S30003	69	S69001	S69002	S69003
31	S31001	S31002	S31003	70	S70001	S70002	S70003
32	S32001	S32002	S32003	71	S71001	S71002	S71003
33	S33001	S33002	S33003	72	S72001	S72002	S72003
34	S34001	S34002	S34003	73	S73001	S73002	S73003
35	S35001	S35002	S35003	74	S74001	S74002	S74003
36	S36001	S36002	S36003	75	S75001	S75002	S75003
37	S37001	S37002	S37003	76	S76001	S76002	S76003
38	S38001	S38002	S38003	77	S77001	S77002	S77003
39	S39001	S39002	S39003	78	S78001	S78002	S78003
40	S40001	S40002	S40003	79	S79001	S79002	S79003
41	S41001	S41002	S41003	80	S80001	S80002	S80003
42	S42001	S42002	S42003	82	S82001	S82002	S82003
43	S43001	S43002	S43003	83	S83001	S83002	S83003
44	S44001	S44002	S44003	84	S84001	S84002	S84003
45	S45001	S45002	S45003	85	S85001	S85002	S85003
46	S46001	S46002	S46003	86	S86001	S86002	S86003
47	S47001	S47002	S47003	88	S88001	S88002	S88003
48	S48001	S48002	S48003	90	S90001	S90002	S90003
49	S49001	S49002	S49003	95	S95001	S95002	S95003
50	S50001	S50002	S50003	100	S100001	S100002	S100003

Trumag Range of industrial arbors and accessories extend to the factory and workshop giving all the advantages of Trumag cutters for a wide field of hole cutting requirements

ARBOR with COOLANT FEED

PART NO.	MT	SIZE	REMARKS
A201	MT2	3/4"	STANDARD
A301	MT3	3/4"	STANDARD
A302	MT3	1 1/4"	STANDARD
A402	MT4	1 1/4"	STANDARD
A502	MT5	1 1/4"	STANDARD
A201S	MT2	3/4"	ONE-TOUCH
A301S	MT3	3/4"	ONE-TOUCH

PILOT PIN

PART NO.	SIZE	CUTTER	REMARKS
PS001	6.35/5.3 x 77	H.S.S. 1"	STEPPED
PS002	6.35/5.3 x 90	H.S.S. 2"	STEPPED
PS003	6.35/5.3 x 116	H.S.S. 3"	STEPPED
PS201	7.98 x 77	H.S.S. 1" over Ø60mm	STRAIGHT
PT001	7.98 x 88	T.C.T. 35mm	STRAIGHT
PST002	7.98 x 90	H.S.S. over Ø60mm T.C.T. 2"	STRAIGHT
PST003	7.98 x 118	H.S.S. over Ø60mm T.C.T. 3"	STRAIGHT

TAPPING CHUCK

PART NO.	MT	STANDARD COLLET
SDT24-2	MT2	M6, M8, M10, M12, M16, M20, M24
SDT-33-3	MT3	M10, M12, M14, M16, M20, M24, M30



TABLE FOR HSS/CO CUTTERS

