

Magnetic Drilling Machine Accessories



INDUSTRIAL ARBORS

Designed to adapt conventional machines, drill presses, lathes, milling machines etc to accept Slugger Cutters. Coolant inducer provides coolant feed through to the centre of the cutter, where it is needed most.



Part No.	Description
SAIA2S	No 2 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 50mm Max DOC
SAIA3S	No 3 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 50mm Max DOC
SAIA3S-100	No 3 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 100mm Max DOC
SAIA3SW	No 3 Morse Taper with coolant inducer t/s 1-1/4" Shank Cutters 50mm Max DOC
SAIA3SW-100	No 3 Morse Taper with coolant inducer t/s 1-1/4" Shank Cutters 100mm Max DOC
SAIA4S	No 4 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 50mm Max DOC
SAIA4S-100	No 4 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 100mm Max DOC
SAIA4SW	No 4 Morse Taper with coolant inducer t/s 1-1/4" Shank Cutters 50mm Max DOC
SAIA4SW-100	No 4 Morse Taper with coolant inducer t/s 1-1/4" Shank Cutters 100mm Max DOC

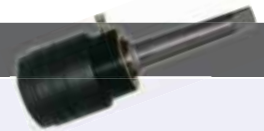
EXTENSION ARBORS

Please Note. For Throughholes, minimum cutter diameter is 34mm. Extension arbor Diameter 33.4mm



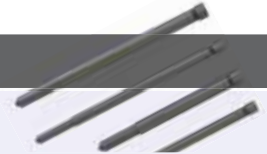
Part No.	Description
SAE025-6	25mm Extension Arbor t/s 6.35mm Dia. Pilot Pin
SAE050-6	50mm Extension Arbor t/s 6.35mm Dia. Pilot Pin
SAE075-6	75mm Extension Arbor t/s 6.35mm Dia. Pilot Pin
SAE100-6	100mm Extension Arbor t/s 6.35mm Dia. Pilot Pin
SAE025-8	25mm Extension Arbor t/s 8mm Dia. Pilot Pin
SAE050-8	50mm Extension Arbor t/s 8mm Dia. Pilot Pin
SAE075-8	75mm Extension Arbor t/s 8mm Dia. Pilot Pin
SAE100-8	100mm Extension Arbor t/s 8mm Dia. Pilot Pin
SAE050B	50mm Extension Arbor t/s 8mm Pin & 1-1/4" Shank
SAE100B	100mm Extension Arbor t/s 8mm Pin & 1-1/4" Shank

QUICK GRIP ARBORS



Part No.	Description
SAQCA-2MT	No 2 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 50mm Max DOC
SAQCA-3MT	No 3 Morse Taper with coolant inducer t/s 3/4" Shank Cutters 50mm Max DOC

PILOT PINS



Part No.	Description
SP16001	4.7mm t/s 12-14mm Short Series Cutters (25mm DOC)
SP16002	4.7mm t/s 12-14mm Long Series Cutters (50mm DOC)
SP16003	6.35mm t/s 15-52mm Short Series Cutters (25mm DOC)
SP16004	6.35mm t/s 15-52mm Long Series Cutters (50mm DOC)
SP16005	6.35mm t/s 19-52mm Extra Long Cutters (75mm DOC)
SP16008	6.35mm t/s 1-1/4" Shank Cutters (50mm DOC)
SP18050	8.0mm t/s Max50 Cutters (50mm DOC)
SP18075	8.0mm t/s Max50 Cutters (75mm DOC)
SP18100	8.0mm t/s Max50 Cutters (100mm DOC)

PILOT PINS TO SUIT EXTENSION ARBORS

Use Chart Below to Determine The Correct Pin For Your Application

Part No.	Description
SP16010	100mm Pilot Pin to suit Extension Arbor (6.35mm Dia.)
SP16011	125mm Pilot Pin to suit Extension Arbor (6.35mm Dia.)
SP16012	150mm Pilot Pin to suit Extension Arbor (6.35mm Dia.)
SP16013	175mm Pilot Pin to suit Extension Arbor (6.35mm Dia.)
SP18125	125mm Pilot Pin to suit Extension Arbor (8mm Dia.)
SP18150	150mm Pilot Pin to suit Extension Arbor (8mm Dia.)
SP18175	175mm Pilot Pin to suit Extension Arbor (8mm Dia.)
SP18200	200mm Pilot Pin to suit Extension Arbor (8mm Dia.)

PILOT PIN SELECTION CHART

Extension Length	Pilot Pin				
	6.35mm Pin	25mm	50mm	75mm	100mm
25mm D.O.C	SP16004	SP16005	SP16010	SP16011	
50mm D.O.C	SP16005	SP16010	SP16011	SP16012	
75mm D.O.C	SP16010	SP16011	SP16012	SP16013	
8.0mm Pin					
25mm D.O.C	SP18050	SP18075	SP18100	SP18125	
50mm D.O.C	SP18075	SP18100	SP18125	SP18150	
75mm D.O.C	SP18100	SP18125	SP18150	SP18175	
100mm D.O.C	SP18125	SP18150	SP18175	SP18200	

Magnetic Drilling Machine Accessories



DRILL CHUCK & ADAPTORS

Adapt your Slugger Machine to use standard straight shank twist drills



Part No.	Description
SA10215-14	13mm Drill Chuck & Adaptor HD t/s JM101
SA70102	13mm Drill Chuck & Adaptor HD t/s HM35 / HM40
SA10215-34	19mm Drill Chuck & Adaptor HD t/s USA5000
SA20102	13mm Drill Chuck & Arbor HD t/s SM2X2-MT2 / HM50
SA3344	19mm Drill Chuck & Arbor HD t/s SM3X3 and SM4X4

TAPPING HEAD

Reversible • Ball Clutch • Depth Control
Axial Float • Compression/Tension Float



Part No.	Description
SPTH102	3-12mm Tapping Head with #3 MT
SPTH103	3-20mm Tapping Head with #3 MT

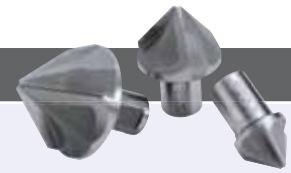
PIPE ATTACHMENT



Adapt your Slugger Machine to use on pipe.
Can be used on stainless steel.

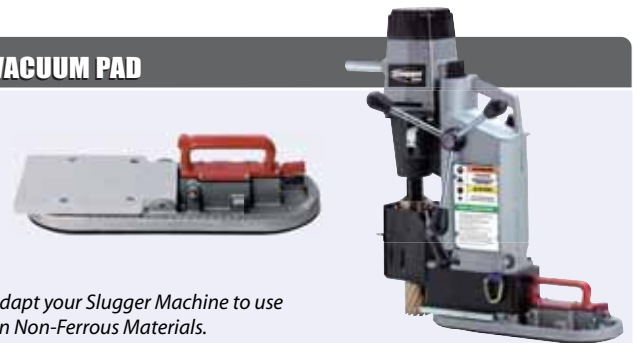
Part No.	Description
SAPA-1	For HM30 / HM35 / HM40 / HM50 / SM2X2-MT2 Suit pipe 80mm to 250mm dia. Single chain type Maximum Base Dimensions 95 x 204mm
SAPA-2	For USA5000EX / SM3X3 / SM4X4 Suit pipe 80mm to 250mm dia. Double chain type Maximum Base Dimensions 130 x 254mm

COUNTERSINKS



Part No.	Description
SCS90/30	30mm Countersink 3/4" Drive Straight Shank 90°
SCS90/40	40mm Countersink 3/4" Drive Straight Shank 90°
SCS90/55	55mm Countersink 3/4" Drive Straight Shank 90°

VACUUM PAD



Adapt your Slugger Machine to use on Non-Ferrous Materials.

Part No.	Description
DM110SP	Vac Pad for use with magnetic drill - L: 400mm W: 153mm H: 100mm - Supply min AIR: 2.0CFM @ 85psi - Surface does not have to be smooth, imperfections up to 3.0mm - Surface holding power is 3383N

MAGNETIC CLEAN UP TOOLS



Pick up & release scrap & ferrous metals.

Part No.	Description
MB-01	Permanent magnet. Stainless Steel Construction Lifting capacity: 6kg
MB-15	Wheels & adjustable handle Lifting capacity: 9kg



High Speed Steel Cutters



Highest Quality Genuine American Made Slugger Cutters
For use with Slugger Magnetic Drilling Machines
& other suitable Magnetic Drilling Machines



FEATURES :

- Made from the highest grade M2 Steel & produced on ultra modern CNC machinery
- Manufactured to exceed AISI / ASTM standards
- Fully ground with internal relief
- Drill unique and curved surfaces
- Produce reamed quality burr-free holes
- Allow overlap cuts on existing holes
- 7/16 - 9/16" & 12 - 14mm Diameter Cutters use a smaller diameter pilot pin to maintain cutter wall thickness & ensure strong cutters in these smaller sizes.

NOTE: For increased performance from Slugger Cutters, use with Slugger Cutting Fluid. See Page 15

METRIC	25mm DEPTH	50mm DEPTH	75mm DEPTH
Diameter	Part No.	Part No.	Part No.
12mm	SC1225	SC1250	-
13mm	SC1325	SC1350	-
14mm	SC1425	SC1450	-
15mm	SC1525	SC1550	-
16mm	SC1625	SC1650	-
16.5mm	SC16.525	SC16.550	-
17mm	SC1725	SC1750	-
18mm	SC1825	SC1850	-
19mm	SC1925	SC1950	SC1975
20mm	SC2025	SC2050	SC2075
21mm	SC2125	SC2150	SC2175
22mm	SC2225	SC2250	SC2275
23mm	SC2325	SC2350	SC2375
24mm	SC2425	SC2450	SC2475
25mm	SC2525	SC2550	SC2575
26mm	SC2625	SC2650	SC2675
27mm	SC2725	SC2750	SC2775
28mm	SC2825	SC2850	SC2875
29mm	SC2925	SC2950	SC2975
30mm	SC3025	SC3050	SC3075
31mm	SC3125	SC3150	SC3175
32mm	SC3225	SC3250	SC3275
33mm	SC3325	SC3350	SC3375
34mm	SC3425	SC3450	SC3475
35mm	SC3525	SC3550	SC3575
36mm	SC3625	SC3650	SC3675
37mm	SC3725	SC3750	SC3775
38mm	SC3825	SC3850	SC3875
39mm	SC3925	SC3950	SC3975
40mm	SC4025	SC4050	SC4075
41mm	SC4125	SC4150	SC4175
42mm	SC4225	SC4250	SC4275
43mm	SC4325	SC4350	SC4375
44mm	SC4425	SC4450	SC4475
45mm	SC4525	SC4550	SC4575
46mm	SC4625	SC4650	SC4675
47mm	SC4725	SC4750	SC4775
48mm	SC4825	SC4850	SC4875
49mm	SC4925	SC4950	SC4975
50mm	SC5025	SC5050	SC5075
51mm	SC5125	SC5150	SC5175
52mm	SC5225	SC5250	SC5275

IMPERIAL		1" DEPTH	2" DEPTH	3" DEPTH
Diameter	Conversion	Part No.	Part No.	Part No.
7/16"	11.11mm	SC7/16X1	SC7/16X2	-
1/2"	12.70mm	SC1/2X1	SC1/2X2	-
9/16"	14.28mm	SC9/16X1	SC9/16X2	-
5/8"	15.87mm	SC5/8X1	SC5/8X2	-
11/16"	17.46mm	SC11/16X1	SC11/16X2	-
3/4"	19.05mm	SC3/4X1	SC3/4X2	-
13/16"	20.63mm	SC13/16X1	SC13/16X2	-
7/8"	22.22mm	SC7/8X1	SC7/8X2	-
15/16"	23.81mm	SC15/16X1	SC15/16X2	-
1"	25.40mm	SC1X1	SC1X2	SC1X3
1-1/8"	28.57mm	SC1-1/8X1	SC1-1/8X2	-
1-1/4"	31.75mm	SC1-1/4X1	SC1-1/4X2	-
1-5/16"	33.55mm	SC1-5/16X1	SC1-5/16X2	-
1-3/8"	34.92mm	SC1-3/8X1	SC1-3/8X2	SC1-3/8X3
1-1/2"	38.10mm	SC1-1/2X1	SC1-1/2X2	SC1-1/2X3
1-9/16"	39.68mm	SC1-9/16X1	SC1-9/16X2	-
1-5/8"	41.27mm	SC1-5/8X1	SC1-5/8X2	-
1-3/4"	44.45mm	SC1-3/4X1	SC1-3/4X2	-
1-7/8"	47.62mm	SC1-7/8X1	SC1-7/8X2	-
2"	50.80mm	SC2X1	SC2X2	SC2X3
2-1/16"	52.37mm	SC2-1/16X1	SC2-1/16X2	-
2-1/8"	53.97mm	SC2-1/8X1	SC2-1/8X2	-
2-1/4"	57.15mm	SC2-1/4X1	SC2-1/4X2	SC2-1/4X3
2-1/2"	63.50mm	SC2-1/2X1	SC2-1/2X2	SC2-1/2X3

All In-between Imperial Sizes Are Available And Also Sizes Up To 3" Dia.
4" & 6" Depth Of Cut Also Available On Sizes 3/4" - 3" dia. (Ex Usa).

*NOTE: Actual Cutting Depth Is Approx 5mm Greater To Allow For Sharpening

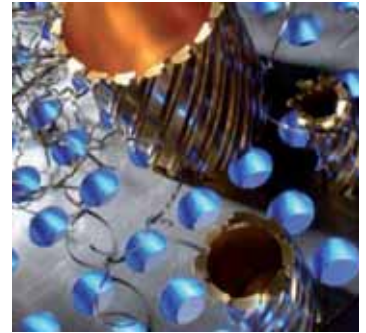
Please refer to page 13 for larger diameter & longer length Cutters

Specialty High Speed Steel Cutters



Slugger Helpful Tip

Maintain a working knowledge of the material being machined. Different materials require different feed rates, speeds and cutter types.



COBALT TITANIUM NITRIDE CUTTERS

Cobalt M42 suitable for Hardened Steel up to 350BNH (38HRC) ie: Hard Steels or Steel with 'Hard Spots'

TINI Coating (gold colour) has a hardness of 85HRC and coating thickness of 1-3 microns thus providing a harder surface, and reduced friction, giving longer life.



IMPERIAL 1" DEPTH

Diameter	Part No.
1/2"	SC1/2X1CTN
9/16"	SC9/16X1CTN
5/8"	SC5/8X1CTN
3/4"	SC3/4X1CTN
7/8"	SC7/8X1CTN
1"	SC1X1CTN

CHASSIS CUTTERS

AS PER COBALT TITANIUM NITRIDE CUTTERS WITH STACK GRINDING

Stack Grinding allows the cutter to go through 2 or more layers of material in one pass.

These cutters are ideally suited for drilling truck chassis.

NOTE: Stack Grinding can be provided on standard Slugger Cutters in Metric or Imperial sizes up to 30mm or 1-1/8"

IMPERIAL 1" DEPTH

Diameter	Part No.
1/2"	SC1/2X1COSG
9/16"	SC9/16X1COSG
5/8"	SC5/8X1COSG
3/4"	SC3/4X1COSG
7/8"	SC7/8X1COSG
1"	SC1X1COSG



TITANIUM CARBON NITRIDE CUTTERS

TICN coating (blue/grey in colour) is harder and tougher than other coating materials.

Consequently it has high resistance to edge chipping and abrasive wear.

TICN coating has a hardness of 90HRC and a coating thickness of 3 - 5 microns.

Suitable for Abrasive & Difficult Materials.

ie: Stainless Steel, Cast Iron, SI-Aluminium Alloys.



METRIC 25mm DEPTH 50mm DEPTH

Diameter	Part No.	Part No.
12mm	SC1225TICN	SC1250TICN
14mm	SC1425TICN	SC1450TICN
16mm	SC1625TICN	SC1650TICN
18mm	SC1825TICN	SC1850TICN
20mm	SC2025TICN	SC2050TICN
22mm	SC2225TICN	SC2250TICN
24mm	SC2425TICN	SC2450TICN
26mm	SC2625TICN	SC2650TICN
28mm	SC2825TICN	SC2850TICN
30mm	SC3025TICN	SC3050TICN
32mm	SC3225TICN	SC3250TICN

RAIL CUTTERS

Tungsten Carbide Tipped Specifically Designed for Drilling Railway Line & Suitable for drilling other hard materials such as wear plate & Bisalloy



METRIC 25mm DEPTH

Diameter	Part No.
22mm	MAXRAIL2225
26mm	MAXRAIL2625
28mm	MAXRAIL2825
30mm	MAXRAIL3025
32mm	MAXRAIL3225

NOTE: When drilling hard materials, use of Tap Magic Cutting Fluids will greatly improve Slugger Cutter performance. In horizontal positions (such as drilling truck chassis) Tap Magic "Extra Thick" is ideal as it adheres to the cutter

High Speed Steel Cutter Sets



8 PIECE SHORT SERIES METRIC SET

Diameter	Part No.	
SCSET-A	SC1425	SC2225
	SC1625	SP16001
	SC1825	SP16003
	SC2025	Cutter Case

13 PIECE SHORT SERIES METRIC SET

Part No.	Kit Includes		
SCSET-B	SC1225	SC2025	Cutter Case
	SC1325	SC2225	
	SC1425	SC2425	
	SC1625	SC2625	
	SC1725	SP16001	
	SC1825	SP16003	

8 PIECE LONG SERIES METRIC SET

Part No.	Kit Includes	
SCSET-C	SC1450	SC2250
	SC1650	SP16002
	SC1850	SP16004
	SC2050	Cutter Case

15 PIECE COMBINATION METRIC SET

Part No.	Kit Includes		
SCSET-D	Short Series	Long Series	Cutter Case
	SC1425	SC1450	SP16001
	SC1625	SC1650	SP16002
	SC1825	SC1850	SP16003
	SC2025	SC2050	SP16004
	SC2225	SC2250	

8 PIECE SHORT SERIES IMPERIAL SET



Part No.	Kit Includes	
SCSET-E	SC1/2X1	SC1X1
	SC5/8X1	SP16001
	SC3/4X1	SP16003
	SC7/8X1	Cutter Case

15 PIECE COMBINATION IMPERIAL SET

Part No.	Kit Includes		
SCSET-F	Short Series	Long Series	Cutter Case
	SC1/2X1	SC1/2X2	
	SC5/8X1	SC5/8X2	
	SC3/4X1	SC3/4X2	
	SC7/8X1	SC7/8X2	
	SC1X1	SC1X2	
	SP16001	SP16002	
	SP16003	SP16004	

9 PIECE CHASSIS CUTTER SET

Part No.	Kit Includes		
SCSET-COSG	SC1/2X1COSG	SC7/8X1COSG	Cutter Case
	SC9/16X1COSG	SC1X1COSG	
	SC5/8X1COSG	SP16001	
	SC3/4X1COSG	SP16003	

8 PIECE TICN SET

Part No.	Kit Includes	
SCSET-TICN	SC1425TICN	SC2225TICN
	SC1625TICN	SP16001
	SC1825TICN	SP16003
	SC2025TICN	Cutter Case

CUSTOMISED SETS AVAILABLE TO SUIT INDIVIDUAL CUSTOMER REQUIREMENTS. PLEASE CONTACT ITMS FOR FURTHER INFORMATION