

# sgspro



Base Metal Range

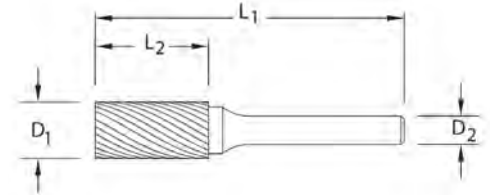


# sgspro BASE METAL RANGE (BM)

Introducing the new Base Metal Bur range from ATA.

Designed specifically for general deburring applications on metals less than 250 HB\*.

The geometry has been specifically designed for use on Low Carbon Steels, Copper and Brass materials.



## Features & Benefits:

Advanced cutting geometry

- Allowing rapid stock removal
- Increasing production output
- Resulting in a smoother operation
- Breaking down the material removed efficiently

CNC Machined

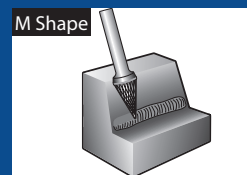
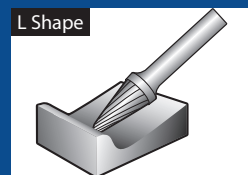
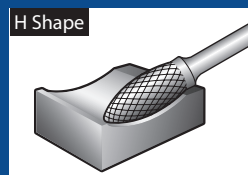
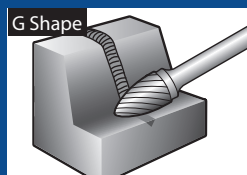
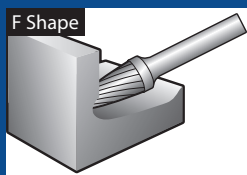
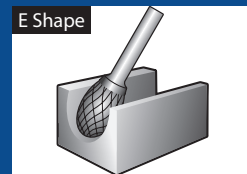
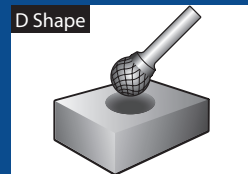
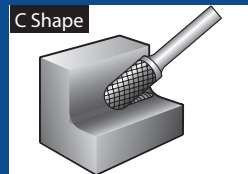
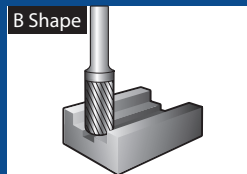
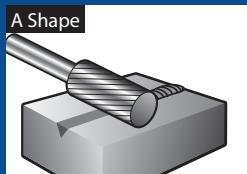
- High consistent quality

Combination of an ATA air tool with a Base Metal geometry –

- Delivering a guaranteed smoother grinding operation
- Maximizes productivity

\*Hardness Brinell

D1	Cutting Diameter
L2	Length of Cut
D2	Shank Diameter
L1	Overall Length



## SHAPE SA



Cylinder without Endcut - *Shape SA*

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SA-2	5/16	3/4	1/4	2-1/2	30300
SA-3	3/8	3/4	1/4	2-1/2	30310
SA-5	1/2	1	1/4	2-3/4	30320

## SHAPE SB



Cylinder with Endcut - *Shape SB*

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SB-2	5/16	3/4	1/4	2-1/2	30330
SB-3	3/8	3/4	1/4	2-1/2	30340
SB-5	1/2	1	1/4	2-3/4	30350

## SHAPE SC



Ball Nosed Cylinder - *Shape SC*

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SC-2	5/16	3/4	1/4	2-1/2	30360
SC-3	3/8	3/4	1/4	2-1/2	30370
SC-5	1/2	1	1/4	2-3/4	30380



Wear Eye Protection!



Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



Wear Protective Mask

## SHAPE SD



Ball Shape - *Shape SD*

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SD-2	5/16	1/4	1/4	2	30390
SD-3	3/8	5/16	1/4	2-1/16	30400
SD-5	1/2	7/16	1/4	2-1/8	30410

## SHAPE SE



Oval Shape - *Shape SE*

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SE-3	3/8	5/8	1/4	2-3/8	30420
SE-5	1/2	7/8	1/4	2-5/8	30430

## SHAPE SF



Ball Nosed Tree - *Shape SF*

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SF-3	3/8	3/4	1/4	2-1/2	30440
SF-5	1/2	1	1/4	2-3/4	30450

## SHAPE SG



Pointed Tree - Shape SG

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SG-2	5/16	3/4	1/4	2-1/2	30460
SG-3	3/8	3/4	1/4	2-1/2	30470
SG-5	1/2	1	1/4	2-3/4	30480

## SHAPE SH



Flame - Shape SH

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SH-5	1/2	1-1/4	1/4	3	30490

## SHAPE SL



Ball Nosed Cone - Shape SL

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SL-2	5/16	7/8	1/4	2-3/4	30500
SL-3	3/8	1-1/16	1/4	3	30510
SL-4	1/2	1-1/8	1/4	3	30520



Wear Eye Protection!



Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



Wear Protective Mask

## SHAPE SM



Cone Shape - Shape SM

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	EDP No.
SM-4	3/8	5/8	1/4	2-1/2	30530
SM-5	1/2	1	1/4	2-3/4	30540

## BM RANGE SPEED GUIDE

	Material Groups	HB*	B.S	EN	DIN
Steel	Magnetic Soft	<120	230M07, 050A12	EN1, EN2 Leadloy	RFe60
	Structural case carburising	<200	060A35, 080M40, 4360-50B	EN3A, 4,6,7,8 32	st37-2, 16MnCr5, St50-2
Cast Iron	Lameller graphite	<150	grade 150, grade 400	Grey cast iron soft	GG10, GG40
	Nodular graphite, malleable	<200	420/12, P440/7, 700/2, 30g/72	S.G. iron Mehanite	GGG40, GGG70, GTS45-
Brass, Copper, Bronze	Unalloyed	<100	C101	Commercially Pure	E-Cu57, SE-Cu
	β - Brass, Bronze	<200	CZ120, CZ109, PB104	2.1030, 2.1080	CuZn39Pb2, CuZn40
	Y - Brass	<200	CZ108, CZ106		CuZn37, CuZn28

Head Diameter	1/4"	5/16"	3/8"	1/2"	Suggested Air Tool Ranges
Max. RPM	65,000	60,000	55,000	35,000	
Steel	35,000 - 45,000	30,000 - 40,000	22,500 - 35,000	20,500 - 30,000	S, SD, SM & SMD Die Grinder Ranges
Cast Iron	22,500 - 45,000	20,000 - 40,000	15,000 - 35,000	11,000 - 30,000	
Brass, Copper, Bronze	22,500 - 45,000	20,000 - 40,000	15,000 - 35,000	11,000 - 30,000	

\*Hardness Brinell

Recommended speeds are based on standard shank length of 1-3/4" max overhang of 3/8"

Maximum recommended speeds for extended length shanks is 15,000rpm

Please note that all cuts available are not displayed in this product catalog. Please contact ATA Customer Service to discuss your specific requirements.



- The use of eye, face, and ear protection is strongly recommended.
- Extended shank burs are only recommended for use in well maintained handheld grinders.
- Stabilize extended shank burs by lightly contacting the workpiece prior to starting the grinder.
- Blue discoloring of steel shanks indicates excessive heat due to overuse. Continued use could cause injury.

# SAFETY

## INSTRUCTIONS

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