



BMG-300E

Single Head Grinder

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BMG-300E

Electric Powered Single Head Grinder

Diamatic BMG-300E is a single head 12" grinder that comes in 220V Single Phase or 3 phase power. The articulating head is perfect for edge grinding, allowing you to move to the left or right side. The BMG-300 is also very versatile with multiple tooling options and a variable speed control. The machine is lightweight and can be disassembled for easy transport. This grinder also pairs with a few different options of Diamatic dust collectors, providing a virtually dust free environment.

Working width	12" (300mm)
Production	400 sq ft per hour
Tooling Speed	150-1480 RPM
Motor Speed	580-1750 RPM
Power	3 HP/ 5 HP
Voltage	220V, 1 \emptyset , 60 Hz/230V-460V 3 \emptyset , 60 Hz
Power Cord	25 ft
Hose Connection	2"
Dimensions	L 21" x W 38" x H 53"
Weight	217 lbs (98.43kg)

Key Points

- Lightweight easy to mobilize
- Dust free operation
- Coating removal /Preparation/ Polishing
- Available in single phase or three phase motors
- Articulating head for both right and left edge grinding

Buffalo Diamond Wings

DOUBLE SEGMENT

Part No.	Grit	Segment	Bond	Color
BFL708320VS-2	18/20	Double	Super Soft	Gold
BFL708340VS-2	30/40	Double	Super Soft	Gold
BFL708380VS-2	60/80	Double	Super Soft	Gold
BFL708320XS-2	18/20	Double	Extra Soft	Black
BFL708340XS-2	30/40	Double	Extra Soft	Black
BFL708380XS-2	60/80	Double	Extra Soft	Black
BFL7083140XS-2	120/140	Double	Extra Soft	Black
BLF708320S-2	18/20	Double	Soft	Red
BFL708340S-2	30/40	Double	Soft	Red
BFL708380S-2	60/80	Double	Soft	Red
BFL7083140S-2	120/140	Double	Soft	Red
BFL708320-2	18/20	Double	Medium	Green
BFL708340-2	30/40	Double	Medium	Green
BFL708380-2	60/80	Double	Medium	Green
BFL7083140-2	120/140	Double	Medium	Green
BFL708320H-2	18/20	Double	Hard	Blue
BFL708340H-2	30/40	Double	Hard	Blue
BFL708380H-2	60/80	Double	Hard	Blue
BFL7083140H-2	120/140	Double	Hard	Blue
BFL708320XH-2	18/20	Double	Extra Hard	Orange
BLF708340XH-2	30/40	Double	Extra Hard	Orange
BFL708380XH-2	60/80	Double	Extra Hard	Orange
BFL7083140XH-2	120/140	Double	Extra Hard	Orange

SINGLE SEGMENT

Part No.	Grit	Segment	Bond	Color
DIA707320S-2	18/20	Single	Soft	Red
DIA707340S-2	30/40	Single	Soft	Red
DIA707380S-2	60/80	Single	Soft	Red
DIA7073140S-2	120/140	Single	Soft	Red
DIA707320-2	18/20	Single	Medium	Green
DIA707340-2	30/40	Single	Medium	Green
DIA707380-2	60/80	Single	Medium	Green
DIA7073140-2	120/140	Single	Medium	Green
DIA707320H-2	18/20	Single	Hard	Blue
DIA707340H-2	30/40	Single	Hard	Blue
DIA707380H-2	60/80	Single	Hard	Blue
DIA7073140H-2	120/140	Single	Hard	Blue

10 Segment Round Diamonds

Part No.	Grit	Segment	Bond	Color
DIA-18/20PLUG-X	18/20	10 Segment	Extra Soft	Black
DIA-30/40PLUG-X	30/40	10 Segment	Extra Soft	Black
DIA-60/80PLUG-X	60/80	10 Segment	Extra Soft	Black
DIA-120/140PLUG-X	120/140	10 Segment	Extra Soft	Black
DIA18/20PLUG-S	18/20	10 Segment	Soft	Red
DIA30/40PLUG-S	30/40	10 Segment	Soft	Red
DIA60/80PLUG-S	60/80	10 Segment	Soft	Red
DIA120/150PLUG-S	120/140	10 Segment	Soft	Red
DIA18/20PLUG	18/20	10 Segment	Medium	Green
DIA30/40PLUG	30/40	10 Segment	Medium	Green
DIA60/80PLUG	60/80	10 Segment	Medium	Green
DIA120/150PLUG	120/140	10 Segment	Medium	Green
DIA18/20PLUG-H	18/20	10 Segment	Hard	Blue
DIA30/40PLUG-H	30/30	10 Segment	Hard	Blue
DIA60/80PLUG-H	60/80	10 Segment	Hard	Blue
DIA120/150PLUG-H	120/140	10 Segment	Hard	Blue
DIA-18/20PLUG-XH	18/20	10 Segment	Extra Hard	Orange
DIA30/40PLUG-XH	30/40	10 Segment	Extra Hard	Orange
DIA60/80PLUG-XH	60/80	10 Segment	Extra Hard	Orange
DIA120/150PLUG-XH	120/140	10 Segment	Extra Hard	Orange

3" Resins

Flex Res

Part No.	Grit	Height	Color
DIAHYBRID50	50	12mm	Blue
DIAHYBRID100	100	12mm	Yellow
DIAHYBRID200	200	12mm	Orange
DIAHYBRID400	400	12mm	Red
DIAHYBRID800	800	12mm	Green
DIAHYBRID1500	1500	12mm	Aqua
DIAHYBRID3000	3000	12mm	Brown

Super Flex

Part No.	Grit	Height	Color
DIASUPERFLEX50	50	15mm	Blue
DIASUPERFLEX100	100	15mm	Yellow
DIASUPERFLEX200	200	15mm	Orange
DIASUPERFLEX400	400	15mm	Red
DIASUPERFLEX800	800	15mm	Green
DIASUPERFLEX1500	1500	15mm	Aqua
DIASUPERFLEX3000	3000	15mm	Brown

Refine I Elite

Part No.	Grit	Height	Color
DIAITS800100	100	3mm	Black
DIAITS800200	200	3mm	Blue
DIAITS800400	400	3mm	Red
DIAITS800800	800	3mm	White
DIAITS8001500	1500	3mm	Yellow
DIAITS8003000	3000	3mm	Green

Refine II Elite

Part No.	Grit	Height	Color
DIAITS80050-2	50	12mm	Blue
DIAITS800100-2	100	12mm	Yellow
DIAITS800200-2	200	12mm	Orange
DIAITS800400-2	400	12mm	Red
DIAITS800800-2	800	12mm	Green
DIAITS8001500-2	1500	12mm	Aqua
DIAITS8003000-2	3000	12mm	Brown

3" Transitional Tools

CERAMIC TRANSITIONAL PUCKS

Part No.	Grit	Bond	Step
PA-103030	30	Ceramic	#0
PA-103050	50	Ceramic	#1
PA-103100	100	Ceramic	#2
PA-103400	400	Ceramic	#3

SEMI METAL PUCKS

Part No.	Grit	Height	Color
DIASEMI30	30	10mm	Oilive
DIASEMI50	50	10mm	Blue
DIASEMI100	100	10mm	Yellow

Polycrystalline Diamonds

Part No.	Description	Direction
BG200995-2	Full Round Wing	Right
BG200995L-2	Full Round Wing	Left
BG200999-2	Quarter Round Wing	Right
BG200999L-2	Quarter Round Wing	Left
BG200997-2	Split Segment Wing	N/A