



GRINDERS

QUICK TOOL REFERENCE GUIDE

SMALL ANGLE GRINDERS



GRINDERS

ITEM #	1375A	GWS8-45	GWS9-45	GWS10-45	GWS10-45P(D)	GWS13-50	GWS13-50P(D)	GWS13-50VS
								
WHEEL SIZE	4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-1/2"	5"	5"	5"
SWITCH TYPE	Lock-On	Lock-On	Lock-On	Lock-On	Multi-Grip Paddle (GWS10-45PD – No Lock-On)	Lock-On	Multi-Grip Paddle (GWS13-50PD – No Lock-On)	Lock-On
AMPERAGE	6.0	7.5	8.5	10.0	10.0	13.0	13.0	13.0
NO LOAD RPM	11,000	11,000	11,000	11,500	11,500	11,500	11,500	2,800–11,500
SPINDLE THREAD	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11
EPOXY-COATED FIELD WINDINGS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEALED SWITCH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SERVICE MINDER	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIBRATION CONTROL	No	No	No	Yes	Yes	Yes	Yes	Yes
ELECTRONIC CLUTCH	No	No	No	No	No	Yes	Yes	Yes
RESTART PROTECTION	No	No	No	No	No	Yes	Yes	Yes
GUARD	Screw type	Screw type	Screw type	Toolless	Toolless	Toolless	Toolless	Toolless
LENGTH	10-1/2"	11"	10-3/4"	11-1/2"	12"	12-1/2"	12"	12-1/4"
WEIGHT	3.75 lbs.	4.2 lbs.	3.9 lbs.	4.6 lbs.	4.6 lbs.	5.3 lbs.	5.4 lbs.	5.3 lbs.

SMALL ANGLE GRINDERS, TUCKPOINTING, CONCRETE SURFACING

ITEM #	GWS13-50VSP	1821/ 1821D	GWS13-60	GWS13-60PD	CSG15	1775E	AG50-10	AG50-10TG	GWS13-50TG
									
WHEEL SIZE	5"	5"	6"	6"	5" Concrete Surfacing	5" Tuckpoint Grinder	5"	5" Tuckpoint Grinder	5" Tuckpoint Grinder
SWITCH TYPE	Multi-Grip Paddle	Paddle (1821D—No Lock-On Switch)	Lock-On	Multi-Grip Paddle Switch No Lock-On	Lock-On	Lock-On	Lock-On	Lock-On	Lock-On
AMPERAGE	13.0	9.5	13.0	13.0	12.5	8.5	10.0	10.0	13.0
NO LOAD RPM	2,800–11,500	11,000	9,300	9,300	9,300	11,000	11,500	11,500	11,500
SPINDLE THREAD	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11	5/8"–11
EPOXY-COATED FIELD WINDINGS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEALED SWITCH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SERVICE MINDER	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIBRATION CONTROL	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
ELECTRONIC CLUTCH	Yes	No	Yes	Yes	No	No	No	No	Yes
RESTART PROTECTION	Yes	No	Yes	Yes	Yes	No	No	No	Yes
GUARD	Toolless	Toolless	Toolless	Toolless	Surfacing only	Tuckpointing only	Toolless	Toolless	Toolless
LENGTH	12-1/4"	13-3/4"	12-1/4"	12-1/2"	13-3/4"	11-3/4"	12"	12"	12-1/2"
WEIGHT	5.4 lbs.	5.1 lbs.	5.4 lbs.	5.6 lbs.	5.95 lbs.	6.4 lbs.	5.1 lbs.	5.1 lbs.	5.3 lbs.



GRINDERS

LARGE ANGLE GRINDERS

ITEM #	1893-6	1974-8/1974-8D	1994-6/1994-6D
			
WHEEL SIZE	9"	7"	9"
SWITCH TYPE	Lock-On	Lock-On (1974-8D—No Lock-On Switch)	Lock-On (1994-6D—No Lock-On Switch)
AMPERAGE	15.0	15.0	15.0
NO LOAD RPM	6,000	8,500	6,500
SPINDLE THREAD	5/8"–11	5/8"–11	5/8"–11
EPOXY-COATED FIELD WINDINGS	Yes	Yes	Yes
REINFORCED ARMATURE WINDINGS	Yes	Yes	Yes
SERVICE MINDER	Yes	Yes	Yes
VIBRATION CONTROL	Yes	Yes	Yes
GUARD	Toolless	Toolless	Toolless
LENGTH	17-1/2"	17-1/2"	17-1/2"
WEIGHT	11.9 lbs.	11.4 lbs.	11.8 lbs.



BOSCH
Invented for life

SMALL ANGLE GRINDERS

GRINDERS
SMALL ANGLE GRINDERS



LEGENDARY PERFORMANCE

When the job calls for grinding, there's only one name to know. Bosch. Whether it's concrete or metal, masonry or steel, Bosch has the right grinding solution. Power, productivity and user protection all come together in products that separate the real pros from the rest. When the job is critical, you need the grinder that's been there before—the one you know will perform. And that's Bosch.

4-1/2" ANGLE GRINDER 1375A



- ▶ Lock-On Side Switch—For extended-use applications
- ▶ Two-Position Auxiliary Handle—Specifically designed and angled to an ergonomic position for maximum comfort and control
- ▶ Epoxy-Coated Field Windings—Provides ultimate protection against abrasive dust and metal debris
- ▶ Service Minder Brushes—Eliminates guesswork, stops tool when preventative maintenance is required

INCLUDES

Grinding Wheel Guard **1619P07575**
 Auxiliary Handle **1602025027**
 Inner (Clamping) Flange **3603340503**
 Outer (Round Nut) Flange **3603340501**
 Spanner Wrench **1619P08927**
 Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V
AMPERAGE	6.0
NO LOAD RPM	11,000
WHEEL DIAMETER	4-1/2"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	10-1/2"
WEIGHT	3.75 lbs.

NOTE: May not be used with certain Bosch attachments and guards. See page 56 for compatibility.

SERVICE MINDER BRUSHES

Eliminates guesswork, stops tool when preventative maintenance is required.



4-1/2" ANGLE GRINDER

GWS8-45



Service Minder

- ▶ Ergonomic Slim Grip—Small grip circumference enhances control and comfort
- ▶ Lock-On Side Switch—For extended-use applications
- ▶ Directed Air Flow—Diverts dust away from switch and vital components to extend tool life
- ▶ Removable Brush Covers—For easy brush replacement

INCLUDES

Grinding Wheel Guard **1619P02792**
 Auxiliary Handle **1602025027**
 Inner (Clamping) Flange **1605708140**
 Outer (Round Nut) Flange **3603340503**
 Spanner Wrench **1607950052**
 Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V
AMPERAGE	7.5
NO LOAD RPM	11,000
WHEEL DIAMETER	4-1/2"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	11"
WEIGHT	4.2 lbs.

NOTE: May not be used with certain Bosch attachments and guards. See page 56 for compatibility.

4-1/2" ANGLE GRINDER

GWS9-45



Service Minder

- ▶ Lock-On Side Switch—For extended-use applications
- ▶ Two-Position Auxiliary Handle—Specifically designed and angled to an ergonomic position for maximum comfort and control
- ▶ Epoxy-Coated Field Windings—Provides ultimate protection against abrasive dust and metal debris
- ▶ Service Minder Brushes—Eliminates guesswork, stops tool when preventative maintenance is required

INCLUDES

Grinding Wheel Guard **1619P02792**
 Auxiliary Handle **1602025027**
 Inner (Clamping) Flange **1605703140**
 Outer (Round Nut) Flange **3603340503**
 Spanner Wrench **1607950052**
 Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V
AMPERAGE	8.5
NO LOAD RPM	11,000
WHEEL DIAMETER	4-1/2"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	10-3/4"
WEIGHT	3.90 lbs.

NOTE: May not be used with certain Bosch attachments and guards. See page 56 for compatibility.

4-1/2" ANGLE GRINDER

GWS10-45



Service Minder

- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Directed Air Flow—Diverts dust away from switch and vital components to extend tool life
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
 Outer Flange **3603340503**
 Vibration Control Side Handle **1602025052**
 Spanner Wrench **1607950052**
 4-1/2 In. Grinding Guard **1605510377**
 Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V AC/DC
AMPERAGE	10.0
NO LOAD RPM	11,500
WHEEL DIAMETER	4-1/2"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	11-1/2"
WEIGHT	4.6 lbs.

Dust collection attachments available on pages 56, 320 and 324.



Cordless options available on page 114.



4-1/2" ANGLE GRINDER

GWS10-45P

WORK FASTER

Powerful 10-amp motor delivers maximum productivity

LARGE SPINDLE LOCK

For greater convenience and easy accessory change

ROBUST GRINDING

For maximum user protection with toolless adjustments

LONG LIFE

Long-life carbon brushes, direct-cooled motor and overload protection ensure maximum life

PROTECTION SWITCH (PD ONLY)

Offers automatic shut-off when paddle switch is released

MULTIPLE-GRIP PADDLE SWITCH

Small grip diameter and multiple grip positions offer comfort and versatility for cutting or grinding

TWO-POSITION VIBRATION CONTROL HANDLE

Reduces vibration and offers uncompromised user comfort



GRINDERS
SMALL ANGLE GRINDERS



4-1/2" ANGLE GRINDER WITH PADDLE SWITCH

GWS10-45P



- ▶ Multi-Grip Paddle Switch—Allows multiple grip positions for optimal comfort and control
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Directed Air Flow—Diverts dust away from switch and vital components to extend tool life
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES:

Inner Flange **1605703140**
 Outer Flange **3603340503**
 Vibration Control Side Handle **1602025052**
 Spanner Wrench **1607950052**
 4-1/2 In. Grinding Guard **1605510377**
 Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V AC/DC
AMPERAGE	10.0
NO LOAD RPM	11,500
WHEEL DIAMETER	4-1/2"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12"
WEIGHT	4.6 lbs.

Dust collection attachments available on pages 56, 320 and 324.

4-1/2" ANGLE GRINDER WITH NO LOCK-ON PADDLE SWITCH

GWS10-45PD



Same features as GWS10-45P above.

- ▶ No Lock-On Multi-Grip Paddle Switch—Helps prevent accidental startups

Same specifications as GWS10-45P above.

Dust collection attachments available on pages 56, 320 and 324.



5" ANGLE GRINDER

GWS13-50



Cordless option available on page 115.



Service Minder

- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Advanced electronic package to protect the tool and motor
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
Outer Flange **3603340503**
Vibration Control Side Handle **1602025052**
Spanner Wrench **1607950052**
5 In. Grinding Guard **1605510378**
Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	11,500
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12-1/2"
WEIGHT	5.3 lbs.

Dust collection attachments available on pages 56, 320 and 324.

5" ANGLE GRINDER WITH PADDLE SWITCH

GWS13-50P



Service Minder

- ▶ Multi-Grip Paddle Switch—Allows multiple grip positions for optimal comfort and control
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Advanced electronic package to protect the tool and motor
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES:

Inner Flange **1605703140**
Outer Flange **3603340503**
Vibration Control Side Handle **1602025052**
Spanner Wrench **1607950052**
5 In. Grinding Guard **1605510378**
Abrasive Grinding Wheel

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	11,500
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12"
WEIGHT	5.4 lbs.

Dust collection attachments available on pages 56, 320 and 324.



5" ANGLE GRINDER WITH NO LOCK-ON PADDLE SWITCH

GWS13-50PD



Same features as GWS13-50P on page 47.

- ▶ No Lock-On Multi-Grip Paddle Switch—Helps prevent accidental startups

Same specifications as GWS13-50P on page 47.

Dust collection attachments available on pages 56, 320 and 324.



GRINDERS
SMALL ANGLE GRINDERS

5" ANGLE GRINDER

GWS13-50VS



- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Variable Speed Dial—Provides the ability to adjust speed for specific applications
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
Outer Flange **3603340503**
Vibration Control Side Handle **1602025052**
Spanner Wrench **1607950052**
5 In. Grinding Guard **1605510378**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	2,800–11,500
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"–11
WIRE WHEEL	4"
LENGTH	12-1/4"
WEIGHT	5.3 lbs.

Dust collection attachments available on pages 56, 320 and 324.



5" ANGLE GRINDER WITH PADDLE SWITCH

GWS13-50VSP



- ▶ Multi-Grip Paddle Switch—Allows multiple grip positions for optimal comfort and control
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Variable Speed Dial—Provides the ability to adjust speed for specific applications
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
Outer Flange **3603340503**
Vibration Control Side Handle **1602025052**
Spanner Wrench **1607950052**
5 In. Grinding Guard **1605510378**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	2,800–11,500
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"–11
WIRE WHEEL	4"
LENGTH	12-1/4"
WEIGHT	5.4 lbs.

Dust collection attachments available on pages 56, 320 and 324.





5" ANGLE GRINDER WITH RAT TAIL GRIP

1821



Service Minder

- ▶ Lock-On/Off Trigger Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ AC/DC Capability—Allows tool to plug into DC outlets such as welders and generators
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Grinding Wheel Guard **1605510378**
 Vibration Control Handle **1602025052**
 Inner (Clamping) Flange **3603340501**
 Outer (Round Nut) Flange **3603340503**
 Spanner Wrench **1607950052**

SPECIFICATIONS

RATING	120V AC/DC
AMPERAGE	9.5
NO LOAD RPM	11,000
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	13-3/4"
WEIGHT	5.1 lbs.

Dust collection attachments available on pages 56, 320 and 324.

5" ANGLE GRINDER WITH RAT TAIL GRIP

1821D



Service Minder

Same features as 1821 above.

- ▶ No Lock-on Trigger Switch—Helps prevent accidental startups

Same specifications as 1821 above.

Dust collection attachments available on pages 56, 320 and 324.



6" HIGH-PERFORMANCE GRINDER

GWS13-60



Service
Minder



- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Advanced electronic package to protect the tool and motor
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
Outer Flange **3603340503**
Vibration Control Side Handle
1602025052
Spanner Wrench **1607950052**
6 In. Grinding Guard **1605510379**
6 In. Cutting Guard **1605510382**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	9,300
WHEEL DIAMETER	6"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12-1/4"
WEIGHT	5.4 lbs.

Dust collection attachments available on pages 56, 320 and 324.

GRINDERS SMALL ANGLE GRINDERS

6" HIGH-PERFORMANCE GRINDER WITH PADDLE SWITCH

GWS13-60PD



Service
Minder



- ▶ No Lock-On Multi-Grip Paddle Switch—Allows multiple grip positions for optimal comfort and control
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Advanced electronic package to protect the tool and motor
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
Outer Flange **3603340503**
Vibration Control Side Handle
1602025052
Spanner Wrench **1607950052**
6 In. Grinding Guard **1605510379**
6 In. Cutting Guard **1605510382**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	9,300
WHEEL DIAMETER	6"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12-1/2"
WEIGHT	5.6 lbs.

Dust collection attachments available on pages 56, 320 and 324.

LARGE ANGLE GRINDERS

7" LARGE ANGLE GRINDER

1974-8

SOFT-START TECHNOLOGY

Reduces start-up torque for better control

BURST-PROOF QUICK-ADJUST GUARD

Provides additional user protection

RESTART PROTECTION

Helps prevent accidental tool start-up after power interruption

ROTATABLE HANDLE WITH SOFT GRIP

Delivers outstanding user control and comfort

VIBRATION CONTROL MAIN AND SIDE HANDLES

Provides added user comfort



HIGH PERFORMANCE-TO-WEIGHT RATIO

Combines powerful 15-amp motor with lightweight design



7" LARGE ANGLE GRINDER

1974-8



Service Minder



- ▶ Lock-On/Off Trigger Switch—For extended-use applications
- ▶ Lightweight—Reduces fatigue and enhances user comfort
- ▶ Three-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ AC/DC Capability—Allows tool to plug into DC outlets such as welders and generators

INCLUDES

Grinding Wheel Guard **1605510410**
 Vibration Control Handle **1602025051**
 Backing Flange **1605703127**
 Lock Nut **3603340503**
 Spanner Wrench **1607950062**

SPECIFICATIONS

RATING	120V AC/DC
AMPERAGE	15.0
MAX. MOTOR HP	4
NO LOAD RPM	8,500
WHEEL DIAMETER	7"
WIRE CUP WHEELS	Up to 3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	Up to 5"
LENGTH	17-1/2"
WEIGHT	11.4 lbs.

Dust collection attachments available on pages 56, 320 and 324.

GRINDERS
LARGE ANGLE GRINDERS



BOSCH
Invented for life



GRINDERS

LARGE ANGLE GRINDERS



9" LARGE ANGLE GRINDER

1893-6



- ▶ Lock-On/Off Trigger Switch—For extended-use applications
- ▶ Three-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ AC/DC Capability—Allows tool to plug into DC outlets such as welders and generators
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Grinding Wheel Guard **1605510354**
 Vibration Control Handle **1602025030**
 Backing Flange **1605703127**
 Lock Nut **3603340503**

SPECIFICATIONS

RATING	120V AC/DC
AMPERAGE	15.0
MAX. MOTOR HP	3
NO LOAD RPM	6,000
WHEEL DIAMETER	9"
WIRE CUP WHEELS	Up to 4"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	Up to 5"
LENGTH	17-1/2"
WEIGHT	11.9 lbs.

Dust collection attachments available on pages 56 and 324.

9" LARGE ANGLE GRINDER

1994-6



- ▶ Lock-On/Off Trigger Switch—For extended-use applications
- ▶ Lightweight—Reduces fatigue and enhances user comfort
- ▶ Main Handle Rotates 90°—For better control in cutting applications
- ▶ Three-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort

INCLUDES

Grinding Wheel Guard **1605510409**
 Vibration Control Handle **1602025051**
 Backing Flange **1605703127**
 Lock Nut **3603340503**
 Spanner Wrench **1607950062**

SPECIFICATIONS

RATING	120V AC/DC
AMPERAGE	15.0
MAX. MOTOR HP	4
NO LOAD RPM	6,500
WHEEL DIAMETER	9"
FLARED CUP WHEELS	Up to 5"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	Up to 5"
LENGTH	17-1/2"
WEIGHT	11.8 lbs.

Dust collection attachments available on pages 56 and 324.

9" LARGE ANGLE GRINDER

1994-6D



Same features as 1994-6 above.

- ▶ No Lock-On Trigger Switch—Helps prevent accidental startups

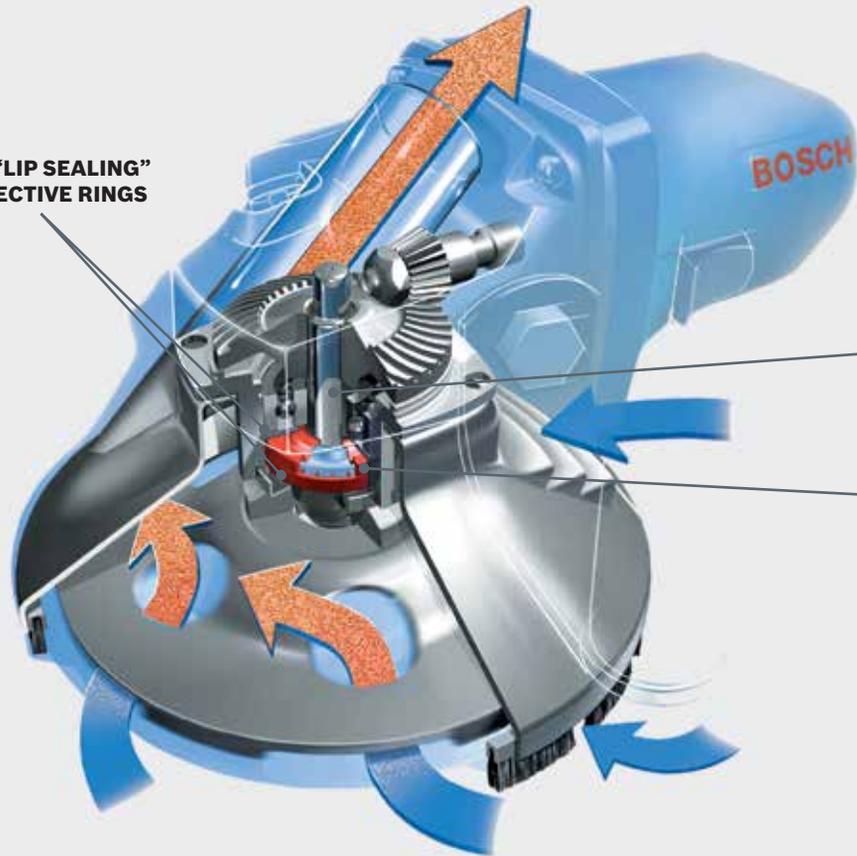
Same specifications as 1994-6 above.

Dust collection attachments available on pages 56 and 324.

EXCLUSIVE DUST PROTECTION SYSTEM

This concrete grinder comes equipped with the exclusive Bosch dust-proof system for a longer operational life. Epoxy-coated field windings aid motor endurance. The concrete surfacing grinder is well suited to the building trades, especially for refurbishing and de-burring exposed concrete, removing irregularities like formwork seams and protrusions. For smoothing floor pavement, removing graffiti and weather-worn paint, and cleaning concrete surfaces before protective paint finishes are applied, this grinder gets the job done.

TWO "LIP SEALING" PROTECTIVE RINGS



DOUBLE-SEALED BALL BEARINGS

GREASE FILLING



5" CONCRETE SURFACING GRINDER

CSG15



- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Four-stage dust sealing system for maximum gear protection
- ▶ Flush guard door allows grinding against walls
- ▶ Constant Response Circuitry—Provides soft-start, maintains constant speed under load and offers overload protection

INCLUDES

Backing Flange **1605703140**
 Lock Nut **3603340503**
 Spanner Wrench **3607950019**
 5 In. Diamond Cup Wheel **DC510**
 Brush Rings **3607031747**
 Carrying Case

SPECIFICATIONS

RATING	120V AC
AMPERAGE	12.5
NO LOAD RPM	9,300
WHEEL DIAMETER	5"
SPINDLE THREAD	5/8"-11
ARBOR SIZE	7/8"
WHEEL TYPE	Diamond cup wheel
LENGTH	13-3/4"
WEIGHT	5.95 lbs.

Dust collection attachments available on pages 320 and 324.

GRINDERS
SURFACE GRINDER

5" CONCRETE SURFACING KIT

18SG-5K



- ▶ 1821 5 In. Rat Tail Grinder—Powerful and durable for the most demanding jobs/compact and lightweight for all-day use
- ▶ 18SG-5E Dust Guard—Provides effective dust containment and features a removable nose piece for flush surfacing
- ▶ DC510 Diamond Cup—Designed for fast grinding of thick concrete layers

INCLUDES

120V 5 In. Angle Grinder **1821**
 Grinding Wheel Guard **1605510378**
 Vibration Control Handle **1602025052**
 Inner (Clamping) Flange **3603340501**
 Outer (Round Nut) Flange **3603340503**
 Spanner Wrench **1607950052**
 Abrasive Grinding Wheel **2610917845**
 Surface Grinding Dust Guard **18SG-5E**
 5 In. Diamond Cup Wheel **DC510**

VAC-series vacuums, attachments and accessories are available on pages 320, 321, 322 and 324.

TUCKPOINTING

5" TUCKPOINT GRINDER

1775E



- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Specially Designed Guard System—For tuckpointing applications with dust extraction. Exceeds UL®, OSHA and NIOSH standards
- ▶ Constant Response Circuitry—Provides soft-start, maintains constant speed under load and offers overload protection

INCLUDES

Tuckpointing Guard **3605510049**
 Auxiliary Handle **1602025027**
 Clamping Flange **3603340501**
 Round Nut **3603340503**
 Spanner Wrench **1607950052**
 5 In. Tuckpointing Wheel **DD500**
 Vacuum Adapter **VAC002**
 Hex Key Wrench **1907950006**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	8.5
NO LOAD RPM	11,000
WHEEL DIAMETER	4" to 5"
SPINDLE THREAD	5/8"-11
DEPTH OF CUT—4" WHEEL	0–0.75"
DEPTH OF CUT—5" WHEEL	0–1.25"
ARBOR SIZE	7/8"
WHEEL TYPE	Diamond tuckpointing wheel
LENGTH	11-3/4"
WEIGHT	6.4 lbs.

Dust collection attachment available on page 324.

5" TUCKPOINT GRINDER

AG50-10TG



Service Minder

- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Specially Designed Guard System—For tuckpointing applications with dust extraction. Exceeds UL®, OSHA and NIOSH standards
- ▶ Constant Response Circuitry—Provides soft-start, maintains constant speed under load and offers overload protection
- ▶ Toolless Wheel Access—Allows quick access for wheel changes

INCLUDES

Inner Flange **1605703153**
 Outer Flange **3603340516**
 Vibration Control Side Handle **1602025065**
 Spanner Wrench **1607950065**
 5 In. Grinding Guard **1605510378**
 5 In. Tuckpointing Guard **TG502**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	10.0
NO LOAD RPM	11,500
WHEEL DIAMETER	5"
SPINDLE THREAD	5/8"-11
LENGTH	12.0"
WEIGHT	5.1 lbs.

Dust collection attachments available on pages 56 and 324.

5" ANGLE GRINDER

AG50-10



Service Minder

- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Directed Air Flow—Diverts dust away from switch and vital components to extend tool life
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703153**
 Outer Flange **3603340516**
 Vibration Control Side Handle **1602025065**
 Spanner Wrench **1607950065**
 5 In. Grinding Guard **1605510378**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	10.0
NO LOAD RPM	11,500
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12"
WEIGHT	5.1 lbs.

Dust collection attachments available on pages 56 and 324.

5" TUCKPOINT GRINDER

GWS13-50TG



Service Minder

- ▶ Lock-On/Off Side Switch—For extended-use applications
- ▶ Two-Position Vibration Control Handle—Reduces vibration up to 60%, provides uncompromising user comfort
- ▶ Advanced electronic package to protect the tool and motor
- ▶ Toolless Adjustable Guard—Quick guard installation and adjustments

INCLUDES

Inner Flange **1605703140**
 Outer Flange **3603340503**
 Vibration Control Side Handle **1602025052**
 Spanner Wrench **1607950052**
 5 In. Grinding Guard **1605510378**
 5 In. Tuckpointing Guard **TG502**

SPECIFICATIONS

RATING	120V AC
AMPERAGE	13.0
NO LOAD RPM	11,500
WHEEL DIAMETER	5"
WIRE CUP BRUSH	3"
SPINDLE THREAD	5/8"-11
WIRE WHEEL	4"
LENGTH	12-1/2"
WEIGHT	5.3 lbs.

Dust collection attachments available on pages 56 and 324.



ATTACHMENTS

CUTTING/DUST COLLECTION ATTACHMENTS

**GRINDERS
ATTACHMENTS**



Type 1A (ISO 41)
with Foot



GA50UC



GA50DC



Type 1A (ISO41)
with Foot

ITEM #	DESCRIPTION
18DC-5E*	5" dust collection attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS13-50/VSP/P/PD, AG series and 1800 series; 18V cordless grinders: GWS18V-45C/PC/PSC
18DC-6E	6" dust collection attachment compatible with 6" small angle grinders: GWS13-60/PD, AG series and 1800 series
GA50UC	5" dust collection attachment compatible with 4-1/2" and 5" small angle grinders: GWS series, AG series and 1800 series
GA50DC*	5" dust collection attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS13-50/VSP/P/PD, AG series and 1800 series

*Not compatible with 1375, GWS 8-Series, GWS 9-Series small angle grinders.

ITEM #	DESCRIPTION
19DC-7	7" dust-extraction guard
19DC-9	9" attachment
1605510215*	12" attachment

*For use with models 1364 and 1364K only

SURFACING/ DUST COLLECTION ATTACHMENTS



ITEM #	DESCRIPTION
18SG-5E* 5" SHROUD	5" concrete surfacing attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS18V-45/P/PSC, GWS13-50/VSP/P/PD, AG series and 1800 series. Includes Brush Rings Set 2605510226

*Not compatible with 1375, GWS 8-Series, GWS 9-Series small angle grinders.



ITEM #	DESCRIPTION
18SG-7 7" SHROUD	7" concrete surfacing attachment for use with 1853-5, 1853-6, 1873-6, 1873-8, 1873-8D, 1893-6 and 1893-6D (only with 7" wheel), 1994-6 and 1994-6D (only with 7" wheel). Includes Brush Rings Set 2610002854



No Dust Collection



With Dust Collection

CUTTING GUARDS



Type 1A (ISO 41)

ITEM #	DESCRIPTION
18CG-45E	4-1/2" guard compatible with 4-1/2" small angle grinders: GWS10-45/P/PD, AG series and 1800 series
18CG-5E	5" guard compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS13-50/VSP/P/PD, AG series and 1800 series; 18V cordless grinders: GWS18V-45C/PC/PSC
18CG-6E	6" guard compatible with 6" small angle grinders: GWS13-60/PD, AG series and 1800 series
19CG-7	Cutting guard compatible with Bosch 7" grinders
19CG-9	Cutting guard compatible with Bosch 9" grinders

TUCKPOINTING ATTACHMENT



ITEM #	DESCRIPTION
TG500	5" tuckpoint attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS13-50/VSP/P/PD, AG series and 1800 series; 18V cordless grinders: GWS18V-45C/PC/PSC
TG502	5" tuckpoint attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS13-50/VSP/P/PD, AG series and 1800 series; 18V cordless grinders: GWS18V-45C/PC/PSC

RIGHT BLADE, RIGHT JOB

Optimized Bosch diamond blades get it right the first time

Bosch uses the highest-quality diamonds available to produce its optimized formulas. Bosch diamond blades are made for the application, whether that's hard concrete, masonry or asphalt.

Sandwich tuckpointing blades from Bosch offer tall segments, a superior diamond formulation and advanced metal powders. The end result is a fast, efficient blade design that lasts longer, regardless of the job.

Bosch diamond cup wheels are built for versatility. In sizes from 4 to 7 In., these cups deliver superior concrete surface grinding performance, whether removing material or finishing.

And Bosch diamond blades cut concrete, green concrete or asphalt using the industry's most advanced diamond formulation. This technology delivers up to three times longer life and greater speed than standard diamond blades.



GRINDERS
DIAMOND BLADES

DIAMOND BLADE SELECTION CHART

MATERIAL	SEGMENTED RIM UNIVERSAL ROUGH CUT	SEGMENTED RIM HARD MATERIAL	SEGMENTED RIM SOFT MATERIAL	TURBO RIM SMOOTH CUT	CONTINUOUS RIM CLEAN CUT	CONTINUOUS RIM EXTRA CLEAN CUT
GREEN CONCRETE	●	○	●	○	○	○
NORMAL CONCRETE	●	○	○	●	○	○
HARD/REINFORCED CONCRETE	●	●	○	○	○	○
BRICK	●	●	○	●	○	○
MASONRY/BLOCK	●	●	●	●	○	○
CONCRETE PAVERS	●	○	●	●	○	○
ASPHALT	●	○	●	○	○	○
LIMESTONE	○	○	●	●	○	○
MARBLE	○	○	○	●	●	○
GRANITE	○	○	○	●	●	○
PORCELAIN TILE	○	○	○	○	●	○
CERAMIC TILE	○	○	○	○	●	●
GLASS TILE	○	○	○	○	○	●

● = Recommended ● = Acceptable ○ = Not Recommended

DIAMOND BLADE MAXIMUM SPEEDS AND CUT DEPTH

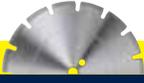
BLADE DIAMETER	MAXIMUM RPM	CUT DEPTH*	BLADE DIAMETER	MAXIMUM RPM	CUT DEPTH*
4"	14,600	1"	10"	7,650	3-3/4"
4-1/2"	13,300	1-1/4"	12"	6,400	4"
5"	12,250	1-1/2"	14"	5,500	5"
7"	8,500	2-1/2"			

*Cut depths are approximate and vary per tool



BOSCH
Invented for life

DIAMOND BLADES



SEGMENTED RIM UNIVERSAL ROUGH CUT

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
PREMIUM						
DB441C	1	Concrete, block, brick	Small angle grinder	4"	.079"	7/8", 20mm, 5/8"
DB4541C	1	Concrete, block, brick	Small angle grinder	4-1/2"	.079"	7/8", 20mm, 5/8"
DB541H	1	Concrete, block, brick	Small angle grinder	5"	.079"	7/8", 20mm, 5/8"
DB741C	1	Concrete, block, brick	Large angle grinder, circular saw	7"	.091"	7/8", DKO*
DB1041C	1	Concrete, block, brick	Brick/paver saw*	10"	.098"	7/8", 5/8"
DB1241C	1	Concrete, block, brick	High-speed saw	12"	.110"	1", 20mm
DB1441C	1	Concrete, block, brick	High-speed saw	14"	.125"	1", 20mm
STANDARD						
DB441S	1	Pavers, soft brick, concrete/block	Small angle grinder	4"	.079"	7/8", 5/8"
DB441SB3	3	Pavers, soft brick, concrete/block	Small angle grinder	4"	.079"	7/8", 5/8"
DB4541S	1	Pavers, soft brick, concrete/block	Small angle grinder	4-1/2"	.079"	7/8"
DB4541SB3	3	Pavers, soft brick, concrete/block	Small angle grinder	4-1/2"	.079"	7/8"
DB741SD	1	Pavers, soft brick, concrete/block	Large angle grinder, circular saw	7"	.063"	7/8", DKO*
DB741SB3	3	Pavers, soft brick, concrete/block	Large angle grinder, circular saw	7"	.063"	7/8", DKO*
DB1041S	1	Pavers, soft brick, concrete/block	Brick/paver saw*	10"	.071"	7/8", 5/8"
DB1241S	1	Pavers, soft brick, concrete/block	High-speed saw	12"	.079"	1", 20mm
DB1441S	1	Pavers, soft brick, concrete/block	High-speed saw	14"	.079"	1", 20mm



SEGMENTED RIM HARD MATERIAL

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
STANDARD						
DB4564S	1	Reinforced concrete, brick, stone	Small angle grinder	4-1/2"	.063"	7/8"
DB564S	1	Reinforced concrete, brick, stone	Small angle grinder	5"	.063"	7/8"
DB764SD	1	Reinforced concrete, brick, stone	Large angle grinder, circular saw	7"	.079"	7/8", DKO*
DB1264S	1	Reinforced concrete, brick, stone	High-speed saw	12"	.083"	1", 20mm
DB1464S	1	Reinforced concrete, brick, stone	High-speed saw	14"	.083"	1", 20mm



SEGMENTED RIM SOFT MATERIAL

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
STANDARD						
DB4565S	1	Green concrete, asphalt, masonry	Small angle grinder	4-1/2"	.071"	7/8"
DB565S	1	Green concrete, asphalt, masonry	Small angle grinder	5"	.071"	7/8"
DB765SD	1	Green concrete, asphalt, masonry	Large angle grinder, circular saw	7"	.087"	7/8", DKO*
DB1265S	1	Green concrete, asphalt, masonry	High-speed saw	12"	.110"	1", 20mm
DB1465S	1	Green concrete, asphalt, masonry	High-speed saw	14"	.118"	1", 20mm

*⚠️WARNING: Use only with machines designed for wet sawing and on a GFCI-protected circuit (if the machine is electrical)

NOTE: All diamond cutting wheels require use of Type 1A (ISO 41) guarding.

*DKO = diamond knockout

See page 56 for appropriate metal or masonry cutting guard.



TURBO RIM SMOOTH CUT

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
PREMIUM						
DB442C	1	Stone, concrete, brick	Small angle grinder	4"	.075"	7/8", 20mm, 5/8"
DB4542C	1	Stone, concrete, brick	Small angle grinder	4-1/2"	.075"	7/8", 20mm, 5/8"
DB542H	1	Stone, concrete, brick	Small angle grinder	5"	.075"	7/8", 20mm, 5/8"
DB742C	1	Stone, concrete, brick	Large angle grinder, circular saw	7"	.087"	7/8", DKO ⁺
STANDARD						
DB442S	1	Masonry, concrete, stone	Small angle grinder	4"	.087"	7/8", 5/8"
DB442SB3	3					
DB4542S	1	Masonry, concrete, stone	Small angle grinder	4-1/2"	.087"	7/8"
DB4542SB3	3					
DB742SD	1	Masonry, concrete, stone	Large angle grinder, circular saw	7"	.118"	7/8", DKO ⁺
DB742SB3	3					



THIN RIM SMOOTH CUT

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
DB466	1	Porcelain, ceramic, granite	Small angle grinder	4"	.055"	7/8", 20mm, 5/8"
DB4566	1	Porcelain, ceramic, granite	Small angle grinder, tile cutter	4-1/2"	.055"	7/8"
DB566	1	Porcelain, ceramic, granite	Small angle grinder	5"	.055"	7/8"



CONTINUOUS RIM CLEAN CUT

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
PREMIUM						
DB443C	1	Ceramic, granite, marble	Small angle grinder, tile cutter	4"	.063"	7/8", 20mm, 5/8"
DB4568	1	Marble	Small angle grinder, tile cutter	4-1/2"	.080"	7/8", 20mm, 5/8"
DB743C	1	Ceramic, granite, marble	Tile saw*	7"	.075"	5/8"
DB768	1	Marble	Large angle grinder, tile saw*	7"	.080"	7/8", DKO ⁺
DB766	1	Porcelain, granite, marble	Tile saw*	7"	.063"	5/8"
DB866	1	Porcelain, ceramic, granite	Tile saw	8"	.063"	5/8"
DB1066	1	Porcelain, granite, marble	Tile saw*	10"	.063"	5/8"
STANDARD						
DB443S	1	Ceramic, slate	Small angle grinder, tile cutter	4"	.059"	7/8", 5/8"
DB4543S	1	Ceramic, slate	Small angle grinder, tile cutter	4-1/2"	.063"	7/8"
DB543S	1	Ceramic, slate	Small angle grinder	5"	.063"	7/8"
DB743S	1	Ceramic, slate	Tile saw*	7"	.063"	5/8"
DB843S	1	Ceramic, slate	Tile saw*	8"	.063"	5/8"
DB1043S	1	Ceramic, slate	Tile saw*	10"	.063"	5/8"



CONTINUOUS RIM EXTRA CLEAN CUT

ITEM #	QTY.	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
DB4569	1	Glass tile, ceramic tile	Tile saw	4-1/2"	.047"	7/8"
DB769	1	Glass tile, ceramic tile	Tile saw	7"	.051"	5/8"
DB869	1	Glass tile, ceramic tile	Tile saw	8"	.051"	5/8"
DB1069	1	Glass tile, ceramic tile	Tile saw	10"	.051"	5/8"

* ⚠ WARNING: Use only with machines designed for wet sawing and on a GFCI-protected circuit (if the machine is electrical)

NOTE: All diamond cutting wheels require use of Type 1A (ISO 41) guarding.

*DKO = diamond knockout

See page 56 for appropriate metal or masonry cutting guard.



GRINDERS
DIAMOND BLADES



BOSCH
Invented for life

V-GROOVE DIAMOND BLADES



GRINDERS V-GROOVE DIAMOND BLADES



OPTIMIZED CUTTING SEGMENTS
For up to three times the life

OPTIMIZED DIAMOND FORMULA
For up to twice the cutting speed

V-SHAPED SEGMENT
For faster crack chasing

STANDARD BORE HOLE
Fits most popular grinders

Bosch V-Groove Diamond Blades feature an optimized diamond formulation to deliver speed and life when routing and widening cracks in concrete.

SEGMENTED RIM UNIVERSAL ROUGH CUT

ITEM #	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
VG4541	Concrete, mortar	Small angle grinder	4-1/2"	.375"	7/8"
VG741	Concrete, mortar	Large angle grinder	7"	.375"	7/8"

NOTE: All diamond cutting wheels require use of Type 1A (ISO 41) guarding.

See page 56 for appropriate masonry cutting guard.

TUCKPOINTING DIAMOND BLADES



Provides thorough cleaning and extended life in grout- and mortar-removal applications.

ITEM #	QTY.	DESCRIPTION	APPLICATION	TOOL TYPE	DIAMETER	SEGMENT THICKNESS	ARBOR
SINGLE BLADE							
DD400	1	Premium segmented tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	4"	.250"	7/8", 5/8"
DD450	1	Premium segmented tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	4-1/2"	.250"	7/8"
DD500	1	Premium segmented tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	5"	.250"	7/8", 5/8"
DOUBLE BLADE (SANDWICH)							
DD4510H	1	Premium sandwich tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	4-1/2"	.250"	7/8"
DD510H	1	Premium sandwich tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	5"	.250"	7/8"
DD4510S	1	Standard sandwich tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	4-1/2"	.250"	7/8"
DD4510SB10	10	Standard sandwich tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	4-1/2"	.250"	7/8"
DD510S	1	Standard sandwich tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	5"	.250"	7/8"
DD510SB10	10	Standard sandwich tuckpointing	Mortar removal	Small angle grinder with tuckpointing attachment or use with dedicated tuckpointing machines like Bosch GWS13-50TG*	5"	.250"	7/8"

*See pages 55–56 for appropriate tuckpointing tools and attachments.



MORTAR KNIFE

The Bosch Mortar Knife is based on an exclusive design that combines a blunt point with a sharpened knife edge. The knife has an 8 In. working length that allows it to plunge deep into mortar while a sharp straight edge cuts away debris quickly and easily without jamming. Mortar knife widths of 1/8 In., 1/4 In. and 3/8 In. assure a precise fit between brick, block and stone—with a reduced risk of damage.

See page 21 for more information on Mortar Knife.



DIAMOND CUP WHEELS DOUBLE ROW SEGMENTED



GRINDERS
DIAMOND CUP WHEELS



PREMIUM DOUBLE ROW SEGMENTS
Provides quicker material removal

OPTIMIZED SEGMENT HEIGHT
Minimizes dust and debris

OPTIMIZED BOND/ FORMULA
For longer life

DIAMOND CUP WHEELS TURBO ROW



OPTIMIZED HOLE PATTERN
Fast dust removal

PREMIUM TURBO SEGMENTS
Provides smooth, consistent finish



Segmented



Turbo

Bosch offers turbo and segmented diamond cup wheels optimized for material removal and fine finishing on a variety of surfaces.

ITEM #	APPLICATION	TOOL TYPE	DIAMETER	ARBOR
DOUBLE ROW SEGMENTED				
DC410H	General purpose, fast removal	Small angle grinder	4"	5/8"-11 Hub
DC4510H	General purpose, fast removal	Small angle grinder	4-1/2"	5/8"-11 Hub
DC500	Paint and coatings	Small angle grinder, CSG15	5"	7/8"
DC510	General purpose, fast removal	Small angle grinder, CSG15	5"	7/8"
DC510H	General purpose, fast removal	Small angle grinder	5"	5/8"-11 Hub
DC520	Abrasive material	Small angle grinder, CSG15	5"	7/8"
DC710H	General purpose, fast removal	Large angle grinder	7"	5/8"-11 Hub
TURBO ROW				
DC430H	Smooth finish	Small angle grinder	4"	5/8"-11 Hub
DC430S	Smooth finish	Small angle grinder	4"	5/8"-11 Hub
DC4530H	Smooth finish	Small angle grinder	4-1/2"	5/8"-11 Hub
DC4530S	Smooth finish	Small angle grinder	4-1/2"	5/8"-11 Hub
DC530	Smooth finish	Small angle grinder, CSG15	5"	7/8"
DC530H	Smooth finish	Small angle grinder	5"	5/8"-11 Hub
DC530S	Smooth finish	Small angle grinder	5"	5/8"-11 Hub
DC530SG	Smooth finish	Small angle grinder	5"	7/8"
DC730H	Smooth finish	Large angle grinder	7"	5/8"-11 Hub
DC730S	Smooth finish	Large angle grinder	7"	7/8"

NOTE: Use only with full surfacing guard or Bosch dust guards

DIAMOND CUP WHEEL SELECTION CHART

MATERIAL	ITEM #			
	DC500	DC410H(S), DC4510H, DC510(H), DC710H	DC520	DC430H(S), DC4530H, DC530(H), DC730H, DC530S, DC530SG, DC530
ASPHALT	○	○	●	○
CONCRETE, OLD	◐	●	◐	●
CONCRETE, FRESH (ABRASIVE)	○	○	●	○
LIMESTONE, SOFT	○	◐	●	◐
LIMESTONE, HARD	◐	●	○	◐
BRICK	○	●	○	●
MORTAR/PLASTER	○	●	●	◐
STONE	○	○	○	●
PAINT/COATINGS	●	○	○	○

●=Recommended ◐=Acceptable ○=Not Recommended



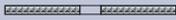
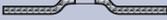


BONDED ABRASIVES

Bosch offers a wide range of bonded abrasive wheels for cutting, grinding and blending applications in metal work. Bosch abrasives are made with an optimized grain type and hardness for exceptional durability in tough environments.



BONDED ABRASIVE WHEEL TYPES

	TYPE 1A (ISO 41)	TYPE 27A (ISO 42)	TYPE 27	TYPE 29
APPLICATION	Cutting	Cutting	Grinding	Blending, Grinding
SHAPE	 Straight Wheel	 Depressed Center Wheel	 Depressed Center Wheel	 Flexible Wheel, Flap Disc
DESCRIPTION	Used at a 90° angle. For cutting only, no grinding	Used at a 90° angle for light cut-off work	For use on flat surfaces for weld preparation. Best used at a 30° angle	For blending and stock removal on uneven surfaces. Best used at a 10° angle

BONDED ABRASIVE GRAIN TYPES

ALUMINUM OXIDE: A tough, block-shaped grain used for cutting metals and other high tensile-strength materials without excessive fracturing

ALUMINUM ZIRCONIUM: A fine, dense crystalline grain that can be used for rugged stock removal

SILICON CARBIDE: A hard, sharp abrasive suited for non-metallic materials such as concrete

RAPIDO

THIN CUTTING ABRASIVE WHEELS

- ▶ Up to 50% faster
- ▶ Requires less force
- ▶ Excellent for vibration-free cutting/no burring



BONDED ABRASIVE WHEELS

METAL CUTTING AND GRINDING ABRASIVE WHEELS

METAL

ITEM #	DIAMETER	ARBOR	MAX. RPM	TOOL	APPLICATION	GRIT
TYPE 1A (ISO 41) CUTTING						
						
TCW1S400	4" x .040"	5/8"	15,250	Small angle grinder	Rapido™ fast cutting stainless	60 Grit Aluminum Oxide Special Grain
TCW1S450	4-1/2" x .040"	7/8"	13,280	Small angle grinder	Rapido™ fast cutting stainless	
TCW1S500	5" x .040"	7/8"	12,200	Small angle grinder	Rapido™ fast cutting stainless	
TCW1S6XT	6" x .040"	7/8"	10,200	Small angle grinder	Rapido™ fast cutting stainless	46 Grit Aluminum Oxide Special Grain
TCW1S600	6" x 1/16"	7/8"	10,200	Small angle grinder	Rapido™ fast cutting stainless	
CWDG1M415	4" x .045"	5/8"	19,000	Straight grinder	Metal cutting	46 Grit Aluminum Oxide Special Grain
CW1M450	4-1/2" x 3/32"	7/8"	13,280	Small angle grinder	Metal cutting	
CC1M700	7" x 1/8"	5/8"	8,500	Large angle grinder	Metal cutting	24 Grit Aluminum Oxide Grain
CC1M700A	7" x 3/32"	7/8"	8,500	Large angle grinder	Metal cutting	
CWPS1M1400	14" x 5/32"	1"	5,500	High-speed saw	Metal cutting	
CWPS1M1420	14" x 5/32"	20mm	5,500	High-speed saw	Metal cutting	36 Grit Aluminum Oxide Grain
CWCS1M145C	14" x 3/32"	1"	4,400	Cutoff machine	Metal stud/stainless cutting	
CC1CM700A	7" x 1/8"	5/8"	8,600	Large angle grinder	Masonry cutting	30 Grit Silicon Carbide

NOTE: All cutting wheels require use of Type 1A (ISO 41) guarding. Abrasive cutoff wheels must be rated at least the speed recommended on the tool label. See page 56 for appropriate metal or masonry cutting guard.

TYPE 27A (ISO 42) CUTTING

						
TCW27S450	4-1/2" x .040"	7/8"	13,280	Small angle grinder	Rapido™ fast cutting stainless	60 Grit Aluminum Oxide Special Grain
TCW27S500	5" x .040"	7/8"	12,200	Small angle grinder	Rapido™ fast cutting stainless	
TCW27S600	6" x 1/16"	7/8"	10,200	Small angle grinder	Rapido™ fast cutting stainless	46 Grit Aluminum Oxide Special Grain
TCW27S700	7" x 1/16"	7/8"	8,800	Large angle grinder	Rapido™ metal/stainless cutting	
TCW27S900	9" x 5/64"	7/8"	6,600	Large angle grinder	Rapido™ metal/stainless cutting	

NOTE: All cutting wheels require use of Type 1A (ISO 41) guarding. See page 56 for appropriate metal cutting guard.

TYPE 27 GRINDING

						
GW27LM450	4-1/2" x 1/4"	7/8"	13,280	Small angle grinder	Long-life grinding	30 Grit Aluminum Zirconium Grain
CG27LM450	4-1/2" x 1/8"	7/8"	13,280	Small angle grinder	Long-life cutting, light grinding	
CG27M450	4-1/2" x 3/32"	7/8"	13,280	Small angle grinder	Cutting, light grinding	24 Grit Aluminum Oxide Grain
CG27M451	4-1/2" x 3/32"	5/8"-11	13,280	Small angle grinder	Cutting, light grinding	
CG27M701	7" x 1/8"	5/8"-11	8,500	Large angle grinder	Cutting, light grinding	
GW27M450	4-1/2" x 1/4"	7/8"	13,280	Small angle grinder	Grinding	30 Grit Aluminum Oxide Grain
GW27M451	4-1/2" x 1/4"	5/8"-11	13,280	Small angle grinder	Grinding	
GW27M500	5" x 1/4"	7/8"	12,200	Small angle grinder	Grinding	
GW27M600	6" x 1/4"	7/8"	10,200	Small angle grinder	Grinding	
GW27M700	7" x 1/4"	7/8"	8,500	Large angle grinder	Grinding	
GW27M701	7" x 1/4"	5/8"-11	8,500	Large angle grinder	Grinding	
GW27M901	9" x 1/4"	5/8"-11	6,600	Large angle grinder	Grinding	

TYPE 29 BLENDING AND GRINDING

						
FD2945040	4-1/2"	7/8"	13,280	Small angle grinder	Blending, grinding	40 Grit Aluminum Zirconium
FD2945060	4-1/2"	7/8"	13,280	Small angle grinder	Blending, grinding	
FD2945080	4-1/2"	7/8"	13,280	Small angle grinder	Blending, grinding	80 Grit Aluminum Zirconium
FD29450120	4-1/2"	7/8"	13,280	Small angle grinder	Blending, grinding	
FD2960060	6"	7/8"	10,200	Small angle grinder	Blending, grinding	60 Grit Aluminum Zirconium
FD2960080	6"	7/8"	10,200	Small angle grinder	Blending, grinding	

GRINDERS
BONDED ABRASIVE WHEELS



BOSCH
Invented for life

CUP BRUSHES AND WIRE WHEELS

CUP BRUSHES

- ▶ **WB504-WB511** are knotted wire cup brushes designed specifically for portable tools. Useful for removing weld scale, burrs and corrosion, or preparing surfaces for painting
- ▶ **WB524-WB526** are crimped wire cup brushes with carbon steel bristles that provide softer brushing action than knotted wire cup brushes



ITEM #	DESCRIPTION	DIAMETER	ARBOR	MAX. RPM	MATERIAL	WIRE GAUGE
WB504	Knotted wire single row cup brush	3"	5/8"-11	12,500	Stainless steel	0.02
WB509	Knotted wire single row cup brush	3"	5/8"-11	12,500	Carbon steel	0.02
WB510	Knotted wire cup brush	4"	5/8"-11	8,500	Carbon steel	0.02
WB511	Knotted wire cup brush	6"	5/8"-11	6,600	Carbon steel	0.02
WB524	Crimped wire cup brush	3"	5/8"-11	12,500	Carbon steel	0.012
WB525	Crimped wire cup brush	4"	5/8"-11	8,500	Carbon steel	0.014
WB526	Crimped wire cup brush	6"	5/8"-11	6,600	Carbon steel	0.014

WIRE WHEELS*

- ▶ **WB569** is a crimped wire wheel made from the highest-quality crimped tempered steel with maximum wire density to ensure longer life. Used for de-burring gears, removing oxides and scale, flash removal and edge blending
- ▶ **WB554** and **WB559** are stiff stringer bead knotted wire wheels with extremely narrow tufted faces that provide aggressive action. A maximum number of knots ensure longer life. Ideal for bead weld preparation and excellent for confined areas such as cross-country pipelines and pipe fabrication. Also useful for brushing expansion joints and narrow grooves
- ▶ **WB539** and **WB544** are full cable knotted wire wheels with narrow faces for more difficult brushing applications that excel in tight places for jobs like cleaning welds on angles or corners. Rugged construction and precision balancing permits high RPM usage



ITEM #	DESCRIPTION	DIAMETER	ARBOR	MAX. RPM	MATERIAL	WIRE GAUGE
WB539	Full cable knotted wire wheel	4"	5/8"-11	20,000	Stainless steel	0.02
WB544	Full cable knotted wire wheel	4"	5/8"-11	20,000	Carbon steel	0.02
WB554	Stringer bead knotted wire wheel	4"	5/8"-11	20,000	Stainless steel	0.02
WB559	Stringer bead knotted wire wheel	4"	5/8"-11	20,000	Carbon steel	0.02
WB569	Crimped wire wheel	4"	5/8"-11	12,500	Tempered steel	0.014

*Wire wheels require Type 27 guard

GRINDING POINTS AND ROTARY RASPS

GRINDING POINTS

Recommended for grinding and shaping metals.

- ▶ Constructed of aluminum oxide for fast removal of all types of metal
- ▶ 1/4 In. shank fits most die grinders and drills



ITEM #	DESCRIPTION	THICKNESS	USEABLE LENGTH	MAX. RPM	QTY.
GP701	Round pointed tree head	3/4"	1-1/8"	22,000	1
GP702	Pointed tree head	11/16"	1-1/4"	22,000	1
GP710	Flat-top cylindrical head	3/4"	1-1/4"	22,000	1
GP711	Wheel shaped head	1"	3/8"	22,000	1

ROTARY RASPS

For rasping or filing wood.

- ▶ Special alloy steel is hardened and tempered for increased durability and long life
- ▶ Precision cutting edges will not clog or load up
- ▶ 1/4 In. shank fits most drills



ITEM #	DESCRIPTION	THICKNESS	USEABLE LENGTH	MAX. RPM	QTY.
RR681	Flat-top cylindrical head	5/8"	1-3/8"	5,000	1
RR682	Domed cylindrical head	5/8"	1-3/8"	5,000	1

ANGLE GRINDER ACCESSORIES

BACKING PADS



ITEM #	DESCRIPTION	DIAMETER	ARBOR	MAX. RPM
MG0450	Backing pad with nut	4-1/2"	5/8"-11	12,500
MG0500	Backing pad with nut	5"	5/8"-11	11,500

WOOL BONNET

The wool bonnet is suitable for dry polishing and resists tearing and humidity.



ITEM #	DIAMETER	MAX. RPM
1608610000	7"	2,000