

Grinder & Metalworking Tools & Accessories



1810PS
Small Angle Grinder



*Editors' Choice
Best Value Award
"Well-constructed,
solid tool that
operated smoothly"*

*Taunton's Tool Guide 2007
1710/1810PS Small Angle Grinder
July/Aug 2007*

Section Guide

Tools

Small Angle Grinders	156-159
Large Angle Grinders	159-160
Concrete Surfacing & Tuckpoint Grinder	161
Cutoff Machines	162
Die Grinders	162-163
Gauge Shears	163-164
Gauge Nibblers.....	165





Accessories





Grinding Wheels	166-178
Diamond Abrasive Blades	179-184



BOSCH

Small Angle, Tuckpointing, Concrete Surfacing

				
Item #	1375A	1347A	1800	1810PS/1810PSD
Classification	Small Angle Grinder	Small Angle Grinder	Small Angle Grinder	Small Angle Grinder
Switch Type	Lock-on	Lock-on	Lock-on	Paddle (1801PSD - No lock-on switch)
Amperage	6	6	7.5	8
No Load RPMs	11,000	11,000	11,000	11,000
Wheel Size	4-1/2"	4-1/2"	4-1/2"	4-1/2"
Spindle Thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Epoxy Coated Field Windings	Yes	No	Yes	Yes
Sealed Switch	Yes	No	Yes	Yes
Length	10-1/2"	9-3/4"	11-1/4"	11-1/4"
Weight	3.75 lbs.	4.6 lbs.	4.3 lbs.	4.3 lbs.
Vibration Control™	—	—	Yes	Yes

				
Item #	1801	1811PS/1811PSD	1803EVS	1806E
Classification	Small Angle Grinder	Small Angle Grinder	Small Angle Grinder	Small Angle Grinder
Switch Type	Lock-on	Paddle (1811PSD - No lock-on switch)	Lock-on	Lock-on
Amperage	9.5	9	9	12
No Load RPMs	11,000	11,000	2,800-11,000	9,300
Wheel Size	5"	5"	5"	6"
Spindle Thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Epoxy Coated Field Windings	Yes	Yes	Yes	Yes
Sealed Switch	Yes	Yes	Yes	Yes
Length	11-3/4"	11-3/4"	11-3/4"	11-3/4"
Weight	4.8 lbs.	4.8 lbs.	4.5 lbs.	5 lbs.
Vibration Control™	Yes	Yes	Yes	Yes
Kickback Stop™	—	—	Yes	Yes
Restart Protection	—	—	Yes	Yes
Guard	Tool Free	Tool Free	Tool Free	Tool Free

Medium Angle, Tuckpointing, Concrete Surfacing

	NEW 	NEW 		
Item #	1821/1821D	1824E/1824ED	1775E	1773AK
Classification	Medium Angle Grinder	Medium Angle Grinder	Tuckpoint Grinder	Concrete Surfacing
Switch Type	Paddle (1821D - No lock-on switch)	Paddle (1824ED - No lock-on switch)	Lock-on	Lock-on
Amperage	9.5	12	8.5	10
No Load RPMs	11,000	9,300	11,000	11,100
Wheel Size	5"	5"	5"	5"
Spindle Thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Epoxy Coated Field Windings	Yes	Yes	Yes	Yes
Sealed Switch	Yes	Yes	Yes	Yes
Length	14-3/4"	14-3/4"	11-3/4"	13-3/4"
Weight	5.1 lbs.	5.3 lbs.	6.4 lbs.	5.95 lbs.
Vibration Control™	Yes	Yes	—	—
Kickback Stop™	—	Yes	—	—
Restart Protection	—	Yes	—	—
Guard	Tool Free	Tool Free	Tool Free	Tool Free

Large Angle

						
Item #	1853-5	1853-6	1873-6	1873-8/1873-8D	1893-6/1893-6D	1894-6/1894-6D
Classification	Large Angle Grinder	Large Angle Grinder	Large Angle Grinder	Large Angle Grinder	Large Angle Grinder	Large Angle Grinder
Switch Type	Lock-on	Lock-on	Lock-on	Lock-on (1873-8D - No lock-on switch)	Lock-on (1893-6D - No lock-on switch)	Lock-on (1894-6D - No lock-on switch)
Amperage	15	15	15	15	15	15
No Load RPMs	5,000	6,000	6,000	8,500	6,000	6,000
Wheel Size	7" or 9"	7" or 9"	7"	7"	9"	9"
Spindle Thread	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
Reinforced Armature Windings	Yes	Yes	Yes	Yes	Yes	Yes
Length	17-1/2"	17-1/2"	17-1/2"	17-1/2"	17-1/2"	19"
Weight	10.5 lbs.	10.5 lbs.	11.5 lbs.	11.5 lbs.	11.9 lbs.	13.3 lbs.
Vibration Control™	Yes – Side/Main	Yes – Side/Main	Yes – Side/Main	Yes – Side/Main	Yes – Side/Main	Yes – Side/Main
Guard	Tool Free	Tool Free	Tool Free	Tool Free	Tool Free	Tool Free

Abrasive Cutoff

Item #	1364	1365	3814
Classification	Abrasive Cutoff Grinder	Abrasive Cutoff Grinder	Abrasive Cutoff Grinder
Switch Type	N/A	N/A	N/A
Amperage	15	15	15
No Load RPMs	5,000	4,300	3,900
Wheel Size	12"	14"	14"
Spindle Thread	5/8"-11	5/8"-11	5/8"-11
Epoxy Coated Field Windings	Yes	Yes	N/A
Reinforced Armature Windings	Yes	Yes	No
Length	24-1/2"	24-1/2"	11-1/4"
Weight	24.5 lbs.	27 lbs.	42 lbs.



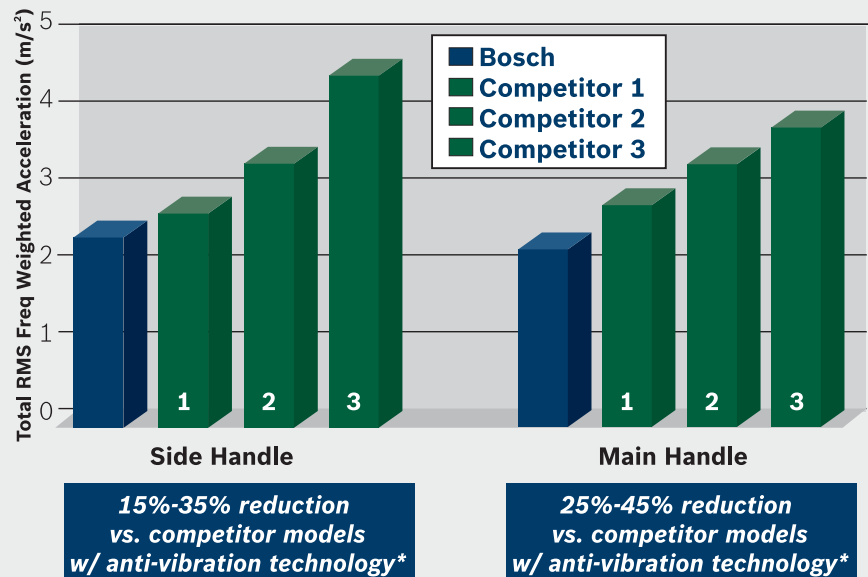
How is Vibration Measured?

Vibration is measured on 3 axes for both the side and main handles in m/s^2 (Vibration absorbed by the body at point of contact in meters/second²)

Tests show Bosch vibration levels are substantially lower than the competition!

* Certified by – an independent organization specializing in vibration testing

Ultimate User Comfort



* 7 inch LAG testing

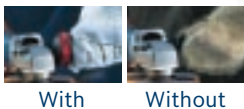
Bosch Grinders:

Best in Class Safety, Comfort, and Lifetime.



Comfort

Anti-Vibration Side and Main* Handles reduce vibration by up to 70% -Best in Industry



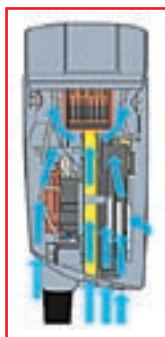
Slim housing design provides optimal gripping diameter**

Precision Spiral Bevel Gears provide smooth operation



Lifetime

Improved DIRECTED AIRFLOW system directs air to most critical components to reduce heat buildup



Sealed Switch Keeps out dust and debris



Epoxy Coated Field Winding Keeps out dust and debris



Service Minder Brushes Shut tool off if maintenance is required

Safety

Mechanical Systems



NEW Tool Free Impact Resistance Guard System

No Lock-on Switch offerings for both small and large angle grinders

Electronic Systems

Industry First Electronic KickBack STOP shuts tool off if the wheel should bind



Restart Protection disables tool if power is disrupted

Constant Response™ Circuitry maintains constant speed under load

* 7 - 9" Grinders only
** 4-1/2" - 6" Grinders only

1375A

4-1/2" Small Angle Grinder



Features

- 6 Amps, 11,000 RPM
- Lock-on/off switch - For extended use applications
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy coated field windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8" -11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle lock - For quick wheel changes
- 2-Position auxiliary handle - Specifically designed and angled to a "natural" position for maximum comfort and control

Specifications

Rating	120V AC
Amperage	6.0
Max. Motor HP	1.0
No Load RPM	11,000
Wheel Diameter	4-1/2"
Wire Cup Brush	3"
Spindle Thread	5/8"-11
Wire Wheel	4"
Length (in.)	10-1/2"
Weight (lbs.)	3.75

Includes

Guard	2 610 906 260
Auxiliary Handle	1 602 025 027
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043
Abrasive Wheel	2 608 600 506



See pages 167-170, 173, 175-177, 179-182 for grinder accessories.

1347A

4-1/2" Small Angle Grinder



Features

- 6 Amps, 11,000 RPM
- Lock-on/off switch - For extended use applications
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Precision spiral bevel gears - Quality engineering and construction for smooth power transmission
- 5/8" -11 Spindle - For quick wheel changes
- Spindle lock - Wide flexibility for mounting most popular accessories
- 2-Position auxiliary handle - Specifically designed and angled to a "natural" position for maximum comfort and control

Specifications

Rating	120V AC
Amperage	6.0
Max. Motor HP	1
No Load RPM	11,000
Wheel Diameter	4-1/2"
Wire Cup Brush	3"
Spindle Thread	5/8"-11
Wire Wheel	4"
Length (in.)	9-3/4"
Weight (lbs.)	4.6

Includes

Guard	2 610 906 260
Auxiliary Handle	1 602 025 027
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 034
Abrasive Wheel	2 608 600 506



See pages 167-170, 173, 175-177, 179-182 for grinder accessories.

1800

4-1/2" Angle Grinder



VIBRATION CONTROL

Features

- Lock-on/off switch - For extended use applications
- AC/DC capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy Coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8" -11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle Lock - For quick wheel changes
- Tool-free adjustable guard - Quick guard installation and adjustments
- Directed Air Flow - Unique design diverts dust away from switch and vital components

Specifications

Rating	120V AC/DC
Amperage	7.5
Max. Motor HP	1.1
No Load RPM	11,000
Wheel Diameter	4-1/2"
Wire Cup Brush	3"
Spindle Thread	5/8"-11"
Wire Wheel	4"
Length (in.)	11-1/4"
Weight (lbs.)	4.3

Includes

Guard	1 605 510 377
Vibration Dampening Side Handle	1 602 025 052
Flange Kit (inner & outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043
Abrasive Wheel	2 6010 917 844



See pages 167-170, 173, 175-177, 179-182 for grinder accessories.

Paddle Switch & Angle Grinders

Specifications

	1810PS	1810PSD
Rating	120V AC/DC	120V AC
Amperage	8.0	8.0
Max. Motor HP	1.1	1.1
No Load RPM	11,000	11,000
Wheel Diameter	4 1/2"	4 1/2"
Wire Cup Brush	3"	—
Spindle Thread	5/8"-11"	5/8"-11"
Wire Wheel	4"	—
Length (in.)	11-1/4"	11-1/4"
Weight (lbs.)	4.3	4.3

Includes

Guard	1 605 510 377
Vibration Dampening Side Handle	1 602 025 052
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043

1810PS

Abrasive Wheel	2 610 917 844
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1810PSD

Abrasive Wheel	2 608 600 506
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See pages 167–170, 173, 175–177, 179–182 for grinder accessories.

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- AC/DC capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy Coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8" -11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle lock - For quick wheel changes
- Tool-free adjustable guard - Quick guard installation and adjustments
- Directed Air Flow - Unique design diverts dust away from switch and vital components

1810PSD also features

- No lock-on switch to conform with OSHA regulations

1810PS 4-1/2" Paddle Switch Grinder

1810PSD 4-1/2" Paddle Switch Grinder (not shown)



VIBRATION CONTROL

Specifications

	1811PS	1811PSD
Rating	120V AC/DC	120V AC/DC
Amperage	9.0	9.0
Max. Motor HP	1.8	1.8
No Load RPM	11,000	11,000
Wheel Diameter	5"	5"
Wire Cup Brush	3"	3"
Spindle Thread	5/8"-11"	5/8"-11"
Wire Wheel	4"	4"
Length (in.)	11-3/4"	11-3/4"
Weight (lbs.)	4.8	4.8

Includes

Guard	1 605 510 378
Vibration Dampening Side Handle	1 602 025 052
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043
Abrasive Wheel	2 610 917 845



See pages 167–170, 173, 175–177, 179–182 for grinder accessories.

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- AC/DC Capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy Coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- Directed Air Flow - Unique design diverts dust away from switch and vital components
- 5/8" -11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle Lock - For quick wheel changes
- Tool-free adjustable guard - Quick guard installation and adjustments

1811PSD also features

- No lock-on switch to conform with OSHA regulations

1811PS 5" Paddle Switch Grinder

1811PSD 5" Paddle Switch Grinder (not shown)



VIBRATION CONTROL

Specifications

Rating	120V AC/DC
Amperage	9.5
Max. Motor HP	1.8
No Load RPM	11,000
Wheel Diameter	5"
Wire Cup Brush	3"
Spindle Thread	5/8"-11"
Wire Wheel	4"
Length (in.)	11-3/4"
Weight (lbs.)	4.8

Includes

Guard	1 605 510 378
Vibration Dampening Side Handle	1 602 025 052
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043
Abrasive Wheel	2 610 917 845



See pages 167–170, 173, 175–177, 179–182 for grinder accessories.

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- AC/DC capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy Coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8" -11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle Lock - For quick wheel changes
- Tool-free adjustable guard - Quick guard installation and adjustments
- Directed Air Flow - Unique design diverts dust away from switch and vital components

1801

5" Angle Grinder



VIBRATION CONTROL

1803EVS

5" Angle Grinder (variable speed)



**KICK
BACK
STOP**

**VIBRATION
CONTROL**

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Variable speed dial - Provides the ability to adjust speed for specialty applications
- Constant-Response™ Circuitry - Provides soft-start, maintains constant speed under load, provides overload protection
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy Coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8" - 11 spindle - Wide flexibility for mounting most popular accessories
- Spindle Lock - For quick wheel changes
- Tool-free adjustable guard - Quick guard installation and adjustments
- Kickback Stop™ - Shuts the tool down should the wheel get into a bind situation
- Directed Air Flow - Unique design diverts dust away from switch and vital components
- Restart Protection - Shuts the tool down should the power supply be interrupted

Specifications

Rating	120V AC/DC
Amperage	9.0
Max. Motor HP	1.8
No Load RPM	2,800-11,000
Wheel Diameter	5"
Wire Cup Brush	3"
Spindle Thread	5/8"-11"
Wire Wheel	4"
Length (in.)	11-1/4"
Weight (lbs.)	4.5

Includes

Guard	1 605 510 378
Vibration Dampening Side Handle	1 602 025 052
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043
Abrasive Wheel	2 610 917 845



See pages 167-170, 173, 175-177, 179-182 for **grinder** accessories.

NEW! 1821 5" Rat Tail Grinder

1821D 5" Rat Tail Grinder (not shown)



**VIBRATION
CONTROL**

Features

- Powerful & Durable - For the most demanding jobs / compact and light weight for all day use
- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Comfort Grip Rear Handle Trigger
- Epoxy Coated Field Windings - Provides the ultimate protection against abrasive dust and metal debris
- Sealed Switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Tool-Free Adjustable Guard - Quick guard installation and adjustments
- AC/DC Capability - Extends the versatility of the tool by working from DC outlets such as welders and generators

1821D also features

- No lock-on switch to conform with OSHA regulations

Specifications

Rating	120V AC/DC
Amperage	9.5
Max. Motor HP	1.8
No Load RPM	11,000
Wheel Diameter	5"
Wire Cup Brush	3"
Spindle Thread	5/8"-11"
Wire Wheel	4"
Length (in.)	14-3/4"
Weight (lbs.)	5.1

Includes

Guard	0 605 510 378
Vibration Dampening Side Handle	1 602 025 052
5" Grinding wheel (2)	2 610 917 845
Flange Kit	2 610 906 323
Spanner Wrench	1 607 950 043



See pages 167-170, 173, 175-177, 179-182 for **grinder** accessories.

Rat Tail & Angle Grinders

Specifications

Rating	120V
Amperage	12
Max. Motor HP	2.0
No Load RPM	11,000
Wheel Diameter	5"
Wire Cup Brush	3"
Spindle Thread	5/8"-11"
Wire Wheel	4"
Length (in.)	14-3/4"
Weight (lbs.)	5.3

Includes

Guard	0 605 510 378
Vibration Dampening Side Handle	1 602 025 052
5" Grinding wheel (2)	2 610 917 845
Flange Kit	2 610 906 323
Spanner Wrench	1 607 950 043



See pages 167-170, 173, 175-177, 179-182 for grinder accessories.

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- Powerful & Durable - For the most demanding jobs / compact and light weight for all day use
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Kickback Stop™ - Shuts tool off should the wheel get into a bind situation
- Comfort Grip Rear Handle Trigger
- Epoxy Coated Field Windings - Provides the ultimate protection against abrasive dust and metal debris
- Restart Protection - Shuts the tool off should the power supply be interrupted
- Constant Response™ Circuitry - Provides soft-start, constant speed under load and overload protection
- Sealed Switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Tool-Free Adjustable Guard - Quick guard installation and adjustments

1824ED also features

- No lock-on switch to conform with OSHA regulations

NEW! 1824E 5" Mid Size Rat Tail Grinder

1824ED 5" Mid Size Rat Tail Grinder (not shown)



KICKBACK STOP

VIBRATION CONTROL

Specifications

Rating	120V
Amperage	12.0
Max. Motor HP	2
No Load RPM	9,300
Wheel Diameter	6"
Wire Cup Brush	3"
Spindle Thread	5/8"-11"
Wire Wheel	4"
Length (in.)	11-3/4"
Weight (lbs.)	5.0

Includes

Guard	1 605 510 379
Vibration Dampening Side Handle	1 602 025 052
Flange Kit (inner and outer wheel flanges)	2 610 906 323
Spanner Wrench	1 607 950 043
Abrasive Wheel	2 610 917 846
Large Backing Flange	1 605 703 127



See pages 167-171, 173, 175-177, 179-182 for grinder accessories.

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 2-Position Vibration Control™ Handle - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Constant Response™ Circuitry - Provides soft-start, maintains constant speed under load, provides overload protection
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy Coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8" - 11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle Lock - For quick wheel changes
- Tool-free adjustable guard - Quick guard installation and adjustments
- Kickback Stop™ - Shuts the tool down should the wheel get into a bind situation
- Restart Protection - Shuts the tool down should the power supply be interrupted
- Directed Air Flow - Unique design diverts dust away from switch and vital components

1806E

6" Angle Grinder



KICKBACK STOP

VIBRATION CONTROL

Specifications

	1853-5	1853-6
Rating	120V AC/DC	120V AC/DC
Amperage	15	15
Max. Motor HP	3	3
No Load RPM	5,000	6,000
Wheel Diameter	7" or 9"	7" or 9"
Spindle Thread	5/8"-11	5/8"-11
Wire Wheel	up to 6"	up to 5"
Flared Cup Wheels	up to 6"	up to 5"
Length (in.)	17.5"	17.5"
Weight (lbs.)	10.5	10.5

Includes

Vibration Control™ Auxiliary Handle	1 602 025 030
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See pages 167-171, 173-177, 179-182 for grinder accessories.

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- 15 Amps, 5,000 RPM
- Vibration Control™ Side and Main Handles - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Metal Gear Cover - Maximum durability
- AC/DC Capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Epoxy-coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- Precision spiral bevel gears - Quality engineering and construction for smooth power transmission
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required

1853-5 7"/9" Large Angle Sander

1853-6 7"/9" Large Angle Sander (not shown)



VIBRATION CONTROL

1873-8 7" Large Angle Grinder with Rat Tail Handle

1873-8D 7" Large Angle Grinder with Rat Tail Handle (not shown)



VIBRATION CONTROL

1873-8D also features

- No lock-on switch to conform with OSHA regulations

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- Vibration Control™ Side and Main Handles - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- AC/DC capability - Extends tool versatility by working from DC outlets such as welders and generators
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- 5/8" - 11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle lock - For quick wheel changes
- 3-Position auxiliary handle - Specifically designed for multiple hand positions, provides maximum versatility and control
- Reinforced armature windings - Protects the motor against abrasive dust and metal debris
- Ergonomic design - Slim handle for a comfortable fit, with on-handle switch for easy operation
- Epoxy-coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- Precision spiral bevel gears - Quality engineering and construction for smooth power transmission

Specifications

Rating	120V AC/DC
Amperage	15
Max. Motor HP	3
No Load RPM	8,500
Wheel Diameter	7"
Spindle Thread	5/8"-11
Wire Wheel	up to 5"
Flared Cup Wheels	up to 5"
Length (in.)	17.5"
Weight (lbs.)	11.5

Includes

Vibration Control™ Auxiliary

Handle	1 602 025 030
Wheel Guard	1 605 510 353

See pages 167–171, 173–177, 179–182 for **grinder accessories.**

1873-6 7" Large Angle Grinder with Rat Tail Handle

1893-6D 9" Large Angle Grinder with Rat Tail Handle (not shown)



VIBRATION CONTROL

1893-6D also features

- No lock-on switch to conform with OSHA regulations

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- Vibration Control™ Side and Main Handles - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- AC/DC capability - Extends tool versatility by working from DC outlets such as welders and generators
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- 5/8" - 11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle lock - For quick wheel changes
- 3-Position auxiliary handle - Specifically designed for multiple hand positions, provides maximum versatility and control
- Reinforced armature windings - Protects the motor against abrasive dust and metal debris
- Ergonomic design - Slim handle for a comfortable fit, with on-handle switch for easy operation
- Epoxy-coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- Precision spiral bevel gears - Quality engineering and construction for smooth power transmission

Specifications

	1873-6	1893-6
Rating	120V AC/DC	120V AC/DC
Amperage	15	15
Max. Motor HP	3	3
No Load RPM	6,000	6,000
Wheel Diameter	7"	9"
Spindle Thread	5/8"-11	5/8"-11
Wire Wheel	up to 5"	up to 5"
Flared Cup Wheels	up to 5"	up to 5"
Length (in.)	17.5"	17.5"
Weight (lbs.)	11.5	11.9

Includes

Vibration Control™ Auxiliary

Handle	1 602 025 030
7" Wheel Guard	1 605 510 353
9" Wheel Guard	1 605 510 354

(1893-6 Only)

Backing Flange and Lock Nut Kit	2 610 906 326
Hex Key Wrench	1 607 950 038

See pages 167–171, 173–177, 179–182 for **grinder accessories.**

1894-6 9" Large Angle Grinder with D-Handle

1894-6D 9" Large Angle Grinder with D-Handle (not shown)



VIBRATION CONTROL

1894-6D also features

- No lock-on switch to conform with OSHA regulations

Features

- Lock-off Switch - Avoids accidental start up
- Lock-on Switch - For extended use applications
- Vibration Control™ Side and Main Handles - Reduces vibration up to 60%, providing uncompromising user comfort for extended periods of work
- Rear handle rotates to optimize user comfort in all applications
- Tool-free Adjustment Guard - Quick guard installation and adjustments
- Metal Gear Cover - Maximum durability
- AC/DC capability - Extends tool versatility by working from DC outlets such as welders and generators
- Service Minder™ Brushes - Eliminates guesswork, stops tool when preventive maintenance is required
- Epoxy-coated Field Windings - Provides ultimate protection against abrasive dust and metal debris
- Precision spiral bevel gears - Quality engineering and construction for smooth power transmission

Specifications

Rating	120V AC/DC
Amperage	15
Max. Motor HP	4.5
No Load RPM	6,000
Wheel Diameter	9"
Spindle Thread	5/8"-11
Wire Wheel	up to 5"
Flared Cup Wheels	up to 5"
Length (in.)	19"
Weight (lbs.)	13.3

Includes

Vibration Control™ Auxiliary

Handle	1 602 025 030
Wheel Guard	1 605 510 354

See pages 167–171, 173–177, 179–182 for **grinder accessories.**

Surfacing & Tuckpoint Grinders

Specifications

Rating	120V AC
Amperage	10
No Load RPM	11,000
Wheel Diameter	5"
Spindle Thread	5/8" - 11
Length (in.)	13.75"
Weight (lbs.)	5.95

Includes

Auxiliary Handle.....	3 601 303 017
Flange Kit.....	3 600 210 125
Spanner Wrench.....	1 607 950 043
5" Diamond Cup Wheel.....	DC510
Vacuum Adapter.....	VAC002
3 Extra Brush Rings.....	2 600 290 026
Carrying Case.....	3 605 438 057

See page 183 for grinder accessories.

Features

- 10 Amps; 11,000 RPM
- Lock-on/off switch - For extended use applications
- Double sealed ball bearings and two "lip-sealing" protective rings - Added protection against dust contamination
- Constant-Response™ Circuitry - Provides soft-start, maintains constant speed under load, provides overload protection
- Automatic restart protection - Protects against automatic restart after a power failure. Ensures that tool is intentionally powered on each time.
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life
- Service Minder™ Brushes - Eliminates guesswork, stops the tool when preventative maintenance is required
- Epoxy coated field windings - Provides ultimate protection against abrasive dust and debris
- 5/8" - 11 spindle - Wide flexibility for mounting most popular accessories
- Spindle lock - For quick wheel changes
- Wrap around auxiliary handle - For easy handling

1773AK

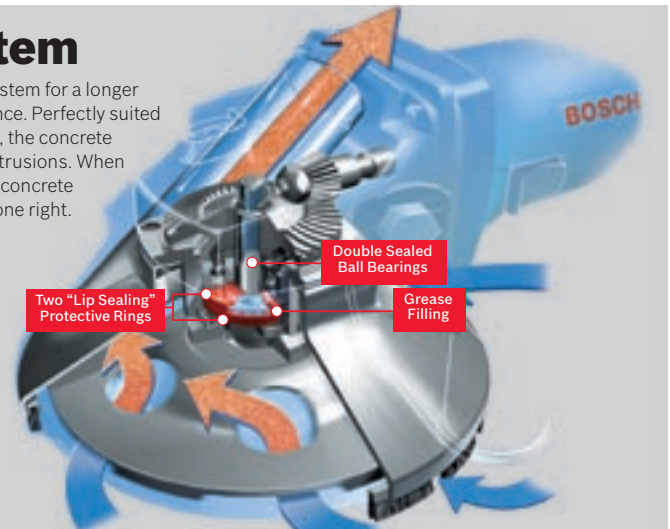
5" Concrete Surfacing Grinder



Carrying Bag Included

Exclusive Dust Protection System

This new concrete grinder comes equipped with the Bosch exclusive dust-proof system for a longer operational life than ever before. Epoxy coated field windings ensure motor endurance. Perfectly suited to the building trades, especially for refurbishing and de-burring exposed concrete, the concrete surfacing grinder is also ideal for removing irregularities, formwork seams, and protrusions. When smoothing floor pavement, removing graffiti and weather worn paint, and cleaning concrete surfaces before protective paint finishes are applied, this grinder will get the job done right.



Specifications

Rating	120V AC
Amperage	8.5
Depth of Cut - 4" Wheel	0 to .75"
Depth of Cut - 5" Wheel	0 to 1.25"
RPM (loaded)	11,000
Wheel Diameter	4" or 5"
Spindle Thread	5/8" - 11
Length (in.)	11.25"
Wheel Type - Diamond Tuckpointing Wheel	
Weight (lbs.)	6.4

Includes

Tuckpointing Guard.....	TG500
Inner Flange.....	2 610 992 248
Outer Flange.....	2 610 910 341
Auxiliary Handle.....	1 602 025 027
Spanner Wrench.....	1 607 950 052
Hex Key Wrench.....	1 907 950 006
5" Tuckpointing Wheel.....	DD500
Vacuum Adapter.....	VAC002

See page 181 for grinder accessories.

Features

- Powerful 8.5 Amp 11,000 RPM motor
- Specially designed guard system - For tuckpointing applications with dust extraction. Meets and exceeds UL®, OSHA and NIOSH standards.
- Dust extraction port - Results in cleaner job when used with provided vacuum adapter VAC002.
- Large viewing window - Provides the ability to view working area for better control and accuracy.
- Variable depth adjustment - Allows spring loaded guard to be adjusted to desired depth while springing back over tuckpointing wheel for added protection.
- Tool-free blade access - Allows quick access for wheel changes
- Lock-on/off switch - For extended use applications
- Constant Response™ Circuitry - Provides soft-start, maintains constant speed under load, provides overload protection
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life.
- Service Minder™ Brushes - Eliminates guesswork, stops the tools when preventative maintenance is required
- Epoxy coated field windings - Provides ultimate protection against abrasive dust and metal debris
- 5/8"-11 Spindle - Wide flexibility for mounting most popular accessories
- Spindle lock - For quick wheel changes

1775E

5" Tuckpoint Grinder



1364

12" Abrasive Cutoff Machine


Features

- 15.0 Amps, 5,000 RPM
- Natural debris removal - Wheel rotation carries sparks, dust and debris away from the operator
- AC/DC capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Reinforced armature windings - Protects motor against abrasive dust and metal debris
- Service Minder™ Brushes - Eliminate guesswork, stops the tool when preventative maintenance is required
- Reversible handle - Wraparound side handle mounts left or right for added convenience and versatility
- Large footplate - Improves stability and allows greater depth of cut, smooth on both sides for guiding
- Reversible fire position - Tool comes set up in fire forward position, but is easily changed to fire reverse position without additional accessories

Specifications

Rating	120V AC/DC
Amperage	15.0
Max. Motor HP	4.7
No Load RPM	5,000
Wheel Diameter	12"
Depth of Cut	3-7/8"
Spindle Thread	5/8"-11
Length (in.)	24-1/2"
Weight (lbs.)	24-1/2

Includes

Wrap Around Side Handle ...	1 607 000 247
Wheel Guard	2 605 510 133
Adjustable Footplate	2 608 190 025
Inside Flange.....	1 605 703 067
7/8" Arbor Locking Nut.....	2 610 917 054
1" Arbor Locking Nut.....	1 603 340 011
3/8" Allen Wrench.....	1 607 950 038
Outside Flange	1 605 703 068

Replacement Equipment

6mm Allen Wrench.....	1 907 950 007
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1365

14" Abrasive Cutoff Machine


Features

- 15 Amps, 4,300 RPM
- Natural debris removal - Wheel rotation carries sparks, dust and debris away from the operator
- AC/DC capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Reinforced armature windings - Protects motor against abrasive dust and metal debris
- Service Minder™ Brushes - Eliminate guesswork, stops the tool when preventative maintenance is required
- Reversible handle - Wrap around side handle mounts left or right for added convenience and versatility
- Large footplate - Improves stability and allows greater depth of cut, smooth on both sides for guiding
- Reversible fire position - Tool comes set up in fire forward position, but is easily changed to fire reverse position without additional accessories

Specifications

Rating	120 V AC/DC
Amperage	15.0
Max. Motor HP	4.7
No Load RPM	4300
Wheel Diameter	14"
Depth of Cut	4-7/8"
Spindle Thread	5/8"-11
Length (in.)	24-1/2"
Weight (lbs.)	27

Includes

Auxiliary Handle.....	1 607 000 247
Wheel Guard	2 605 510 132
Adjustable Footplate	2 608 190 025
Inside Flange.....	1 605 703 078
7/8" Arbor Locking Nut.....	2 610 917 054
1" Arbor Locking Nut.....	1 603 340 011
3/8" Allen Wrench.....	1 607 950 038
Outside Flange	1 605 703 077

Replacement Equipment

6mm Allen Wrench.....	1 907 950 007
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1210

Utility Die Grinder


Features

- 4.6 Amps, 27,000 RPM
- Lock-on/off switch - For extended use applications
- 43 mm flange diameter

Specifications

Rating	120V AC
Amperage	4.6
No Load RPM	27,000
Collet Capacity	1/8"-1/4"
Mounted Point	Up to 1" Dia.
Polishing Wheel	Up to 2" Dia.
Length (in.)	9.4"
Weight (lbs.)	3.25

Includes

1/4" Collect	2 608 570 048
Wrench.....	1 607 950 525
Shaft Lock Pin.....	2 603 101 035



Die Grinders & Gauge Shears

Specifications

Rating	120V AC
Amperage	4.6
No Load RPM	27,000
Collet Capacity	1/8"-1/4"
Mounted Point	Up to 1" Dia.
Polishing Wheel	Up to 2" Dia.
Length (in.)	13"
Weight (lbs.)	3.2

Includes

1/4" Collet..... 2 608 570 085



See page 175 for grinder accessories.

Features

- 4.6 Amps, 27,000 RPM
- Lock-on/off switch - For extended use applications
- Compact design - Slim tool housing comfortably fits in the hand
- Metal gear housing - Withstands job-site abuse
- 4" spindle length - Designed for interior die grinding
- 35 mm flange diameter

1215

Die Grinder



Specifications

Rating	120V AC/DC
Amperage	8.4
No Load RPM	16,000
Collet Capacity	1/4"
Mounted Point	Up to 2" Dia.
Polishing Wheel	Up to 2" Dia.
Length (in.)	21"
Weight (lbs.)	6.6

Includes

1/4" Collect 2 608 570 014
22mm Wrench..... 1 607 950 505
14mm Wrench..... 1 607 950 511



See page 175 for grinder accessories.

Features

- 8.4 Amps, 16,000 RPM
- Metal gear housing - Withstands job-site abuse
- AC/DC capability - Extends the versatility of the tool by working from DC outlets such as welders and generators
- Trigger bar with lock off switch - More control plus ease of use during demanding jobs

1209

Die Grinder



Specifications

Rating	120V AC
Amperage	4.2
Cutting Capacity	
Aluminum	14 Gauge
Mild Steel	16 Gauge
Stainless Steel	20 Gauge
Curve Cutting-Minimum Radius	1-1/4"
No Load SPM	5,000
Length (in.)	11-3/4"
Weight (lbs.)	4.2

Includes

Cutting Blade 16 Gauge..... 2 608 635 243
Allen Wrench 2.5mm..... 1 907 950 003
Stationary Blade Set..... 2 608 635 410

Features

- 4.2 Amps, 5,000 SPM
- Lock-on/off switch - For extended use applications
- Compact design - Slim tool housing comfortably fits in the hand
- Reversible side blades - For extended blade life
- Cutting blade changes quickly and without tool - for convenience
- Fast cutting mechanism cuts at 28 feet/minute
- Epoxy coated field windings - Provides ultimate protection against metal debris
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life

1521

16 Gauge Shear



Specifications

Rating	120V AC
Amperage	4.2
Max. Motor HP	0
Cutting Capacity	
Aluminum	14 Gauge (.075")
Mild Steel	16 Gauge (.060")
Stainless Steel	20 Gauge (.036")
Curve Cutting-Minimum Radius	7/8"
No Load SPM	5,000
Length (in.)	7-1/2"
Weight (lbs.)	4.6

Includes

Blade Set 2 608 635 243
Feeler Gauge..... 2 607 970 009
Allen Wrench 3mm..... 1 907 950 004
Steel Deflector..... 3 609 202 083

Features

- 4.2 Amps, 5,000 SPM
- Lock-on/off switch - For extended use applications
- Steel deflector - For hand protection
- Compact design - Slim tool housing comfortably fits in the hand
- Low vibration - For operator comfort
- Visible blade allows precise pattern cutting - extends blade life
- Easy blade adjustment when switching material thickness
- Epoxy coated field windings - Provides ultimate protection against metal debris
- Sealed switch - Keeps debris out of the switch mechanism and extends switch life

1500C

16 Gauge Shear

Unishear®



1506

14 Gauge Shear

Unishear®

Features

- 4.6 Amps, 2,400 SPM
- Planetary gear drive - More power per pound
- Upper blade is double-edged - When first edge is worn, simply reverse blade
- Mushroom top handle - For extra control under heavy cutting loads easily removed for cutting in confined areas
- Lightweight and well balanced - For excellent control
- Low vibration - For operator comfort
- Visible blade - Allows precise pattern cutting
- Easy blade adjustment when switching material thickness

Specifications

Rating	120V AC
Amperage	4.6
Cutting Capacity	
Aluminum	.150"
Mild Steel	14 (.075")
Stainless Steel	16 (.060")
Curve Cutting-Minimum Radius	3/4"
No Load SPM	2,400
Length (in.)	10-1/4"
Weight (lbs.)	6

Includes

Upper/Lower Blade Set..... 2 607 010 025
 5mm Allen Wrench..... 1 907 950 006

1507

10 Gauge Shear

Unishear®

Features

- 8.6 Amps, 1,770 SPM
- Two-handed control - For heavy cutting jobs
- Top handle with large rocker switch
- Low vibration - For operator comfort
- Visible blade - Allows precise cutting

Specifications

Rating	120V AC
Amperage	8.6
Max. Motor HP	0
Cutting Capacity	
Aluminum	.157"
Mild Steel	10G (.135")
Stainless Steel	12G (.105")
Curve Cutting-Minimum Radius	1"
No Load SPM	1,770
Length (in.)	10"
Weight (lbs.)	10

Includes

Angled Gauge..... 1 607 970 016
 Feeler Gauge..... 1 607 970 015
 Turning Pin 1 607 990 001
 5mm Allen Wrench..... 1 907 950 006
 Upper Blade..... 3 608 635 000
 Lower Blade..... 3 608 635 002
 3mm Allen Wrench..... 1 907 950 004
 10mm Open End Wrench..... 1 907 950 504

Replacement Equipment

Replacement Upper Blade... 3 608 635 000
 Replacement Lower Blade... 3 608 635 002

1508

8 Gauge Shear

Unishear®

Features

- 9.2 Amps, 1,250 SPM
- Excellent for high alloy steel cutting
- Top handle with large rocker switch
- Low vibration - For operator comfort
- Visible blade - Allows precise cutting
- Auxiliary handle mounts on either side - For right-or left-handers

Specifications

Rating	120V AC
Amperage	9.2
Max. Motor HP	0
Cutting Capacity	
Aluminum	.196"
Mild Steel	8G (.165")
Stainless Steel	10G (.135")
Curve Cutting-Minimum Radius	2"
No Load SPM	1,250
Length (in.)	13.5"
Weight (lbs.)	15

Includes

Angle Gauge..... 1 607 970 016
 Feeler Gauge..... 1 607 970 015
 Turning Pin 1 607 990 001
 5mm Allen Wrench..... 1 907 950 006
 Lower Blade..... 3 608 635 002
 3mm Allen Wrench..... 1 970 950 004
 10mm Open End Wrench..... 1 970 950 504
 Upper Blade..... 3 608 635 000

Replacement Equipment

Auxiliary Handle..... 2 602 025 075
 Replacement Upper Blade... 3 608 635 000
 Replacement Lower Blade... 3 608 635 002

Specifications

Rating	120V AC
Amperage	3.2
Cutting Capacity	
Mild Steel	18 ga. (.048")
Most Aluminum	.080"
Stainless Steel	20 ga. (.036")
Cutting Radius	1-9/16"
No Load SPM	2,500
Cutting Width	.200" (5mm)
Length (in.)	11-1/4"
Weight (lbs.)	3.9

Includes

Die.....	2 608 639 028
Punch.....	2 608 639 027
26 Gauge Die.....	3 608 639 035

Features

- 3.2 Amps, 2,500 SPM
- Unique cutting head design - For multiple types of corrugated steel
- Ejects chips downward away from operator and workpiece - For operator safety
- Paddle switch w/lock-on - For better operator comfort and control
- Compact design - Slim tool housing comfortably fits in the hand
- 3-Position head cuts forward, left and right
- Easy replacement of cutting die and punch
- Flat stock, corrugated, trapezoidal or full square stock - All cut efficiently
- Small gear head - Allows cutting in confined areas
- No adjustment required when switching material thickness

1529B

18 Gauge Nibbler



Specifications

Rating	120V AC
Amperage	5
Cutting Capacity	
Mild Steel	16 ga. (.060")
Most Aluminum	.100"
Stainless Steel	18 ga. (.048")
Cutting Radius	2"
No Load SPM	1,700
Cutting Width	.200" (5mm)
Length (in.)	10-1/2"
Weight (lbs.)	4.6

Includes

Die.....	2 608 639 904
Punch.....	2 608 639 013

Features

- 5 Amps, 1,700 SPM
- Punch is resharpenable - For extended life
- Ejects chips downward - Away from workpiece and operator
- Lightweight and portable
- 3-Position head cuts forward, left and right
- Flat stock, corrugated, trapezoidal or full square stock - all cut efficiently
- No adjustment required when switching material thickness
- Small gear head - Allows cutting in confined areas

1534

16 Gauge Nibbler



Specifications

Rating	120V AC
Amperage	4.6
Cutting Capacity	
Mild Steel	14 ga. (.075")
Most Aluminum	.100"
Stainless Steel	16 ga. (.066")
Cutting Radius	1-3/16"
No Load SPM	2,400
Cutting Width	15/64" (6mm)
Length (in.)	10-1/4"
Weight (lbs.)	4.6

Includes

Die.....	2 608 639 023
Punch.....	2 608 639 024

Features

- 4.6 Amps, 2400 SPM
- Burr-free edges - No finishing
- Full swivel die available - For cutting in all directions
- Corrugated, trapezoidal or full square stock - All cut efficiently with a simple cutter change
- Small gear head - Allows cutting in confined areas
- No adjustment required when switching material thickness
- Worn cutters are changed in minutes with adjustable wrench

1530

14 Gauge Nibbler



Specifications

Rating	120V AC
Amperage	5
Cutting Capacity	
Mild Steel	10 ga. (.135")
Most Aluminum	.165"
Stainless Steel	12 ga. (.105")
Cutting Radius	2-1/2"
No Load SPM	1,000
Cutting Width	1/4"
Length (in.)	11-1/2"
Weight (lbs.)	8.1

Includes

Die.....	2 608 639 026
Punch.....	2 608 639 025
Side Handle.....	2 602 025 075
4mm Hex Key.....	1 907 950 005

Features

- 5 Amps, 1000 SPM
- Punch can be resharpened for extended life
- Adjustable punch guide - Accommodates different gauge sheets for vibration-free cutting
- Ejects chips downward away from operator and workpiece
- Reversible side hand with extension - For selection of secure and comfortable holding positions
- Flat stock and corrugated stock are cut efficiently with standard punch and die
- Small gear head - Allows cutting in confined areas

1533A

10 Gauge Nibbler



Raw Materials and Compounds of a Grinding / Cutting Wheel

Label

Information burned in during manufacturing process and remains on wheel for life of wheel.

Industry color-coded system

Fiberglass reinforcement

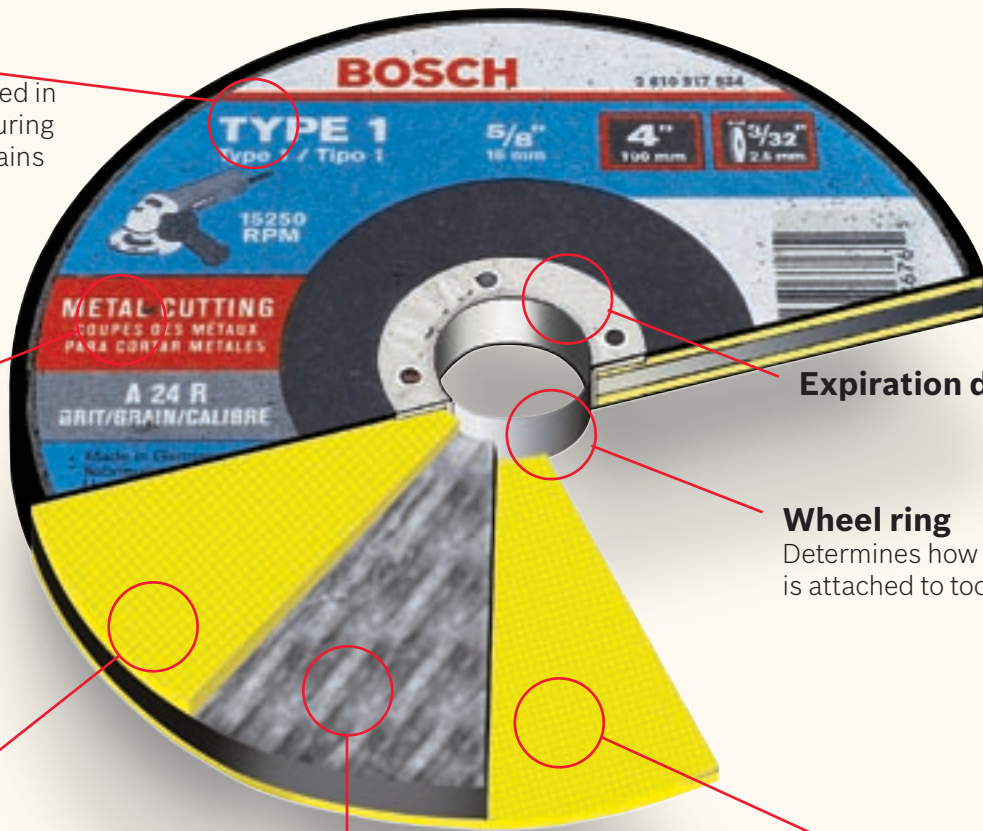
Provides extra strength to use wheel at maximum RPM and withstands lateral pressure.

Abrasive grains (mass)

Abrasive grains are particles of man-made abrasive compounds. Bosch uses only high-quality grains.

Additional fiberglass reinforcement

Some grinding wheels may have up to four fiberglass reinforcement layers.



Expiration date

Wheel ring

Determines how wheel is attached to tool.

Typical Construction of Wheels

Portable tool cutting wheels

- Fiberglass reinforcement, laminated with paper.
- Abrasive grain (mass).
- Fiberglass reinforcement.
- Label.
- Ring.

Stationary cutting wheels

- Small fiberglass reinforcement, laminated with paper.
- Abrasive grain (mass).
- Large fiberglass reinforcement.
- Abrasive grain (mass).
- Small fiberglass reinforcement.
- Label.
- Ring.

Grinding wheels (up to a thickness of 8 mm)

- Fiberglass reinforcement, laminated with paper.
- Abrasive grain (mass).
- Fiberglass reinforcement.
- Abrasive grain (mass).
- Fiberglass reinforcement.
- Label.
- Ring.

Industry Color-Coded System

■ Metal / General Purpose

■ Stainless

■ Asphalt

■ Concrete / Masonry


■ Pipeline

■ Aluminum

ANSI Standard Marking System

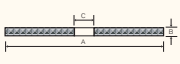
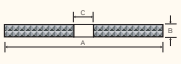
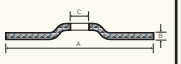
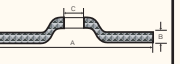
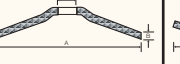
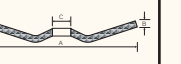
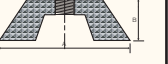
The following chart is an example of the ANSI standard marking system for identifying Bosch grinding wheels and other bonded abrasives:

Sample of typical marking: **A 30 T-BF**

A	30	T	BF
Primary Grain Used to Make the Wheel A = Aluminum oxide AS = Aluminum oxide special C = Silicon carbide CS = Silicon carbide special Z = Aluminum zirconium	Size of the Abrasive Grain Very coarse 8-12 Coarse 14-24 Medium 30-60 Fine 70-180 Dust fine 200-800	Hardness of Bond Soft Medium Hard  N P R S T	Type of Bond Used B ___ Resinoid BF ___ Resinoid Reinforced

Wheel Configurations and Uses

Bonded abrasive wheels have different configurations depending upon the tool on which the wheel is used and the desired end results. Below are the configurations that a wheel can have.

Type 1A (ISO 41) CUTTING	Type 1 GRINDING	Type 27A CUTTING	Type 27 BLENDING GRINDING	Type 28 GRINDING	Type 29 BLENDING GRINDING	Type 11 GRINDING
						
Straight Wheel	Straight Wheel	Depressed Center Wheel	Depressed Center Wheel	Saucer-shaped Wheel	Flexible Wheel Flap Disc	Flared Cup Wheel
Type 1A (ISO 41) Used at a 90° angle for cutting only. No grinding.	Bench or Type 1 Used for edge grinding at a 50°-90° angle. Not for cutting applications.	Type 27A To be used at a 90° angle for light cut-off work.	Type 27 For use on flat surfaces for weld prep, usually on bar stock or angle iron. Tool best used at a 30° angle. No cutting.	Type 28 To be used for weld preparation and de-burring surfaces. Tool usually used at a 15° angle, to cover greater surface area and allow better visibility.	Type 29 For blending and stock removal on uneven surfaces, best used at a 10° angle. This allows user to use one wheel for grinding and finishing.	Type 11 Steel-Concrete Used for removing excess material and build-up on large flat surfaces, allowing for maximum surface area coverage – tool used perpendicular to work.

A = Wheel diameter B = Wheel width or thickness C = Wheel bore

Selection Guide Grinding Wheel Materials and Compounds

1. Abrasive Grains

Abrasive grains are particles of man-made abrasive compounds. While some manufacturers use recycled grains, Bosch abrasives use only high quality, virgin grains that are made to our specifications. The chemical structure of the grains determines the physical properties of the grains (i.e., shape, sharpness, hardness, friability). Common grain types used in making bonded abrasives include:



A - Aluminum Oxide - A tough, blocky shaped grain used for cutting metals and other high tensile strength materials without excessive fracturing.

C - Silicon Carbide - A very hard and very sharp abrasive suited for non-metallic materials such as concrete.

Z - Aluminum Zirconium - A very fine, dense crystalline grain which can be used for rugged stock removal.

SG - Seeded Gel - A very fine, dense crystalline grain which can be used for rugged stock removal.

2. Bonding Agent

The bonding agent that holds the grains together determines the resistance of the wheel. Bosch abrasives use a resinoid bond that is formulated to meet the unique specifications of each product.

3. Reinforcement

The reinforcement material provides extra strength to use the wheel at maximum RPMs and withstand lateral pressure that is applied during use. Bosch uses multiple layers of long, stranded fiberglass that are woven to form an exceptionally strong reinforcement layer specific to the application.

Combining the 3 Components

During the manufacturing process, these three components are combined to form a grinding wheel. The grains and bonding agents are measured, combined and pressed in an automated hydraulic press. Bosch abrasives labels are also incorporated into the manufacturing process and therefore remain intact throughout the life of the wheel.

Bosch premium grade wheels are constructed of high quality abrasive grains, bonding coats and backings for metal, concrete, masonry, pipeline, asphalt and stainless steel cutting. Easy-to-read labels are incorporated into the manufacturing process and therefore remain intact throughout the life of the wheel. While some manufacturers use recycled grains, Bosch uses only superior virgin grains made to exact specifications. Carefully formulated resinoid bonds are applied to meet the unique specifications of each wheel. Multiple layers of long, stranded fiberglass are woven to form an exceptionally strong reinforcement layer specific to the application.

Grinding Wheels: Angle Grinders

Thin Cutting / Rapido Type 1A (ISO 41) Grinding Wheels

Rapido thin cutting wheels provide up to 50% less cutting time and require less force. Excellent for vibration free cutting and no burring to avoid rework.

AS60INOX-BF - Aluminum oxide grain specially formulated for use with stainless steel, 60 grit grain size. Resin bond and fiberglass reinforcing.

AS46INOX-BF - Aluminum oxide grain specially formulated for use with stainless steel, 46 grit grain size. Resin bond and fiberglass reinforcing.

C60R-BF - Silicon carbide grain, 60 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.



RAPIDO

Item #	Diameter	Arbor	Max. RPM	Grit	Application
TCW1S400	4" x .040"	5/8"	15,250	AS60INOX-BF	Metal / stainless steel cutting
TCW1S450	4-1/2" x .040"	7/8"	13,280	AS60INOX-BF	Metal / stainless steel cutting
TCW1S500	5" x .040"	7/8"	12,200	AS60INOX-BF	Metal / stainless steel cutting
TCW1S6XT	6" x .040"	7/8"	10,200	AS60INOX-BF	Metal / stainless steel cutting
TCW1S600	6" x 1/16"	7/8"	10,200	AS46INOX-BF	Metal / stainless steel cutting
TCW1C400	4" x .045"	5/8"	15,250	C60R-BF	Concrete / masonry cutting
TCW1C450	4-1/2" x .045"	7/8"	13,280	C60R-BF	Concrete / masonry cutting
TCW1C500	5" x .045"	7/8"	12,200	C60R-BF	Concrete / masonry cutting

Thin Cutting / Rapido Type 27A Grinding Wheels

Rapido thin cutting wheels provide up to 50% less cutting time and require less force. Excellent for vibration free cutting and no burring to avoid rework.

AS60INOX-BF – Aluminum oxide grain specially formulated for use with stainless steel, 60 grit grain size. Resin bond and fiberglass reinforcing.

AS46INOX-BF – Aluminum oxide grain specially formulated for use with stainless steel, 46 grit grain size. Resin bond and fiberglass reinforcing.

C60R-BF – Silicon carbide grain, 60 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
TCW27S400	4" x .040"	5/8"	15,250	AS60INOX-BF	Metal / stainless steel cutting
TCW27S450	4-1/2" x .040"	7/8"	13,280	AS60INOX-BF	Metal / stainless steel cutting
TCW27S500	5" x .040"	7/8"	12,200	AS60INOX-BF	Metal / stainless steel cutting
TCW27S600	6" x 1/16"	7/8"	10,200	AS46INOX-BF	Metal / stainless steel cutting
TCW27S700	7" x 1/16"	7/8"	8,600	AS46INOX-BF	Metal / stainless steel cutting
TCW27S900	9" x 5/64"	7/8"	6,600	AS46INOX-BF	Metal / stainless steel cutting
TCW27C400	4" x .045"	5/8"	15,250	C60R-BF	Concrete / masonry cutting
TCW27C450	4-1/2" x .045"	7/8"	13,280	C60R-BF	Concrete / masonry cutting
TCW27C500	5" x .045"	7/8"	12,200	C60R-BF	Concrete / masonry cutting

Type 1A (ISO 41) Grinding Wheels

A24R-BF – Aluminum oxide grain, 24 grit grain size, in the middle range on the bond hardness scale. Resin bond and fiberglass reinforcing.

C24R-BF – Silicon carbide grain, 24 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
CW1M400	4" x 3/32"	5/8"	15,250	A24R-BF	Metal cutting
CW1M450	4-1/2" x 3/32"	7/8"	13,280	A24R-BF	Metal cutting
CW1M500	5" x 3/32"	7/8"	12,200	A24R-BF	Metal cutting
CW1M600	6" x 3/32"	7/8"	10,200	A24R-BF	Metal cutting
CW1C400	4" x 3/32"	5/8"	15,250	C24R-BF	Masonry cutting
CW1C450	4-1/2" x 3/32"	7/8"	13,280	C24R-BF	Masonry cutting
CW1C500	5" x 3/32"	7/8"	12,200	C24R-BF	Masonry cutting
CW1C600	6" x 3/32"	7/8"	10,200	C24R-BF	Masonry cutting



Type 27A Grinding Wheels

A24R-BF – Aluminum oxide grain, 24 grit grain size, in the middle range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AZ30S-BF – Aluminum zirconium grain, 30 grit grain size, in the medium to hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AS30INOX-BF – Aluminum oxide grain specially formulated for use with stainless steel, 30 grit grain size. Resin bond and fiberglass reinforcing.

A30T-BF – Aluminum oxide grain, 30 grit grain size, toward the hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.

C24R-BF – Silicon carbide grain, 24 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
CG27M400	4" x 3/32"	5/8"	15,250	A24R-BF	Metal cutting / light grinding
CG27M450	4-1/2" x 3/32"	7/8"	13,280	A24R-BF	Metal cutting / light grinding
CG27M451	4-1/2" x 3/32"	5/8"-11	13,280	A24R-BF	Metal cutting / light grinding
CG27M500	5" x 3/32"	7/8"	12,200	A24R-BF	Metal cutting / light grinding
CG27M600	6" x 3/32"	7/8"	10,200	A24R-BF	Metal cutting / light grinding
CG27M700	7" x 1/8"	7/8"	8,600	A24R-BF	Metal cutting / light grinding
CG27M701	7" x 1/8"	5/8"-11	8,600	A24R-BF	Metal cutting / light grinding
CG27M900	9" x 1/8"	7/8"	6,600	A24R-BF	Metal cutting / light grinding
CG27M901	9" x 1/8"	5/8"-11	6,600	A24R-BF	Metal cutting / light grinding
CG27LM450	4-1/2" x 1/8"	7/8"	13,280	AZ30S-BF	Long life metal cutting / light grinding
CG27LM500	5" x 1/8"	7/8"	12,200	AZ30S-BF	Long life metal cutting / light grinding
CG27LM600	6" x 1/8"	7/8"	10,200	AZ30S-BF	Long life metal cutting / light grinding
CG27LM601	6" x 1/8"	5/8"-11	10,200	AZ30S-BF	Long life metal cutting / light grinding
CG27LM700	7" x 1/8"	7/8"	8,600	AZ30S-BF	Long life metal cutting / light grinding
CG27LM701	7" x 1/8"	5/8"-11	8,600	AZ30S-BF	Long life metal cutting / light grinding
CG27LM900	9" x 1/8"	7/8"	6,600	AZ30S-BF	Long life metal cutting / light grinding
CG27C450	4-1/2" x 3/32"	7/8"	13,280	C24R-BF	Concrete / masonry cutting / light grinding
CG27C451	4-1/2" x 3/32"	5/8"-11	13,280	C24R-BF	Concrete / masonry cutting / light grinding
CG27C500	5" x 3/32"	7/8"	12,200	C24R-BF	Concrete / masonry cutting / light grinding
CG27C501	5" x 3/32"	5/8"-11	12,200	C24R-BF	Concrete / masonry cutting / light grinding
CG27C600	6" x 3/32"	7/8"	10,200	C24R-BF	Concrete / masonry cutting / light grinding
CG27C700	7" x 1/8"	7/8"	8,600	C24R-BF	Concrete / masonry cutting / light grinding
CG27C701	7" x 1/8"	5/8"-11	8,600	C24R-BF	Concrete / masonry cutting / light grinding
CG27C900	9" x 1/8"	7/8"	6,600	C24R-BF	Concrete / masonry cutting / light grinding
CG27S450	4-1/2" x 3/32"	7/8"	13,280	AS30INOX-BF	Stainless / metal cutting / light grinding
CG27S500	5" x 3/32"	7/8"	12,200	AS30INOX-BF	Stainless / metal cutting / light grinding
CG27S600	6" x 3/32"	7/8"	10,200	AS30INOX-BF	Stainless / metal cutting / light grinding
CG27S601	6" x 3/32"	5/8"-11	10,200	AS30INOX-BF	Stainless / metal cutting / light grinding
CG27S700	7" x 1/8"	7/8"	8,600	AS30INOX-BF	Stainless / metal cutting / light grinding
CG27S701	7" x 1/8"	5/8"-11	8,600	AS30INOX-BF	Stainless / metal cutting / light grinding
CG27P450	4-1/2" x 5/32"	7/8"	13,280	A30T-BF	Pipeline cutting / light grinding
CG27P500	5" x 5/32"	7/8"	12,200	A30T-BF	Pipeline cutting / light grinding
CG27P501	5" x 5/32"	5/8"-11	12,200	A30T-BF	Pipeline cutting / light grinding
CG27P600	6" x 5/32"	7/8"	10,200	A30T-BF	Pipeline cutting / light grinding
CG27P700	7" x 5/32"	7/8"	8,600	A30T-BF	Pipeline cutting / light grinding
CG27P701	7" x 5/32"	5/8"-11	8,600	A30T-BF	Pipeline cutting / light grinding
CG27P900	9" x 5/32"	7/8"	6,600	A30T-BF	Pipeline cutting / light grinding

Type 27 Grinding Wheels

A30T-BF – Aluminum oxide grain, 30 grit grain size, toward the hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AZ30S-BF – Aluminum zirconium grain, 30 grit grain size, in the medium to hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AS30INOX-BF – Aluminum oxide grain specially formulated for use with stainless steel, 30 grit grain size. Resin bond and fiberglass reinforcing.

AS46ALU-BF – Aluminum oxide grain specially formulated for use with aluminum, 46 grit grain size. Resin bond and fiberglass reinforcing.

CS30S-BF – Silicon carbide special grain, 30 grit grain size, in the medium to hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
GW27M400	4" x 1/4"	5/8"	15,250	A30T-BF	Metal grinding
GW27M450	4-1/2" x 1/4"	7/8"	13,280	A30T-BF	Metal grinding
GW27M451	4-1/2" x 1/4"	5/8"-11	13,280	A30T-BF	Metal grinding
GW27M500	5" x 1/4"	7/8"	12,200	A30T-BF	Metal grinding
GW27M501	5" x 1/4"	5/8"-11	12,200	A30T-BF	Metal grinding
GW27M600	6" x 1/4"	7/8"	10,200	A30T-BF	Metal grinding
GW27M601	6" x 1/4"	5/8"-11	10,200	A30T-BF	Metal grinding
GW27M700	7" x 1/4"	7/8"	8,600	A30T-BF	Metal grinding
GW27M701	7" x 1/4"	5/8"-11	8,600	A30T-BF	Metal grinding
GW27M900	9" x 1/4"	7/8"	6,600	A30T-BF	Metal grinding
GW27M901	9" x 1/4"	5/8"-11	6,600	A30T-BF	Metal grinding
GW27LM450	4-1/2" x 1/4"	7/8"	13,280	AZ30S-BF	Long life metal grinding
GW27LM451	4-1/2" x 1/4"	5/8"-11	13,280	AZ30S-BF	Long life metal grinding
GW27LM500	5" x 1/4"	7/8"	12,200	AZ30S-BF	Long life metal grinding
GW27LM600	6" x 1/4"	7/8"	10,200	AZ30S-BF	Long life metal grinding
GW27LM700	7" x 1/4"	7/8"	8,600	AZ30S-BF	Long life metal grinding
GW27LM701	7" x 1/4"	5/8"-11	8,600	AZ30S-BF	Long life metal grinding
GW27LM900	9" x 1/4"	7/8"	6,600	AZ30S-BF	Long life metal grinding
GW27C450	4-1/2" x 1/4"	7/8"	13,280	CS30S-BF	Concrete / masonry grinding
GW27C451	4-1/2" x 1/4"	5/8"-11	13,280	CS30S-BF	Concrete / masonry grinding
GW27C500	5" x 1/4"	7/8"	12,200	CS30S-BF	Concrete / masonry grinding
GW27C501	5" x 1/4"	5/8"-11	12,200	CS30S-BF	Concrete / masonry grinding
GW27C600	6" x 1/4"	7/8"	10,200	CS30S-BF	Concrete / masonry grinding
GW27C700	7" x 1/4"	7/8"	8,600	CS30S-BF	Concrete / masonry grinding
GW27C701	7" x 1/4"	5/8"-11	8,600	CS30S-BF	Concrete / masonry grinding
GW27C900	9" x 1/4"	7/8"	6,600	CS30S-BF	Concrete / masonry grinding
GW27C901	9" x 1/4"	5/8"-11	6,600	CS30S-BF	Concrete / masonry grinding
GW27S450	4-1/2" x 1/4"	7/8"	13,280	AS30INOX-BF	Stainless / metal grinding
GW27S451	4-1/2" x 1/4"	5/8"-11	13,280	AS30INOX-BF	Stainless / metal grinding
GW27S500	5" x 1/4"	7/8"	12,200	AS30INOX-BF	Stainless / metal grinding
GW27S501	5" x 1/4"	5/8"-11	12,200	AS30INOX-BF	Stainless / metal grinding
GW27S600	6" x 1/4"	7/8"	10,200	AS30INOX-BF	Stainless / metal grinding
GW27S700	7" x 1/4"	7/8"	8,600	AS30INOX-BF	Stainless / metal grinding
GW27S701	7" x 1/4"	5/8"-11	8,600	AS30INOX-BF	Stainless / metal grinding
GW27S900	9" x 1/4"	7/8"	6,600	AS30INOX-BF	Stainless / metal grinding
GW27AL450	4-1/2" x 1/4"	7/8"	13,280	AS46ALU-BF	Aluminum grinding
GW27AL451	4-1/2" x 1/4"	5/8"-11	13,280	AS46ALU-BF	Aluminum grinding
GW27AL500	5" x 1/4"	7/8"	12,200	AS46ALU-BF	Aluminum grinding
GW27AL501	5" x 1/4"	5/8"-11	12,200	AS46ALU-BF	Aluminum grinding
GW27AL600	6" x 1/4"	7/8"	10,200	AS46ALU-BF	Aluminum grinding
GW27AL700	7" x 1/4"	7/8"	8,600	AS46ALU-BF	Aluminum grinding
GW27AL701	7" x 1/4"	5/8"-11	8,600	AS46ALU-BF	Aluminum grinding
GW27AL900	9" x 1/4"	7/8"	6,600	AS46ALU-BF	Aluminum grinding

Abrasive Wheels for Circular Saws

A24R-BF – Aluminum oxide grain, 24 grit grain size, in the middle range on the bond hardness scale. Resin bond and fiberglass reinforcing.

C24R-BF – Silicon carbide grain, 24 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.

A/CS30R-BF – Aluminum oxide and silicon carbide blended grain, 30 grit grain size, in the middle range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AS30INOX-BF – Aluminum oxide grain specially formulated for use with stainless steel, 30 grit grain size. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
CC1M600	6" x 3/32"	5/8" ◇	10,200	A24R-BF	Metal cutting
CC1M700	7" x 1/8"	5/8" ◇	8,600	A24R-BF	Metal cutting
CC1M800	8" x 1/8"	5/8" ◇	7,600	A24R-BF	Metal cutting
CC1C650	6" x 3/32"	5/8" ◇	10,200	C24R-BF	Concrete / masonry cutting
CC1C700	7" x 1/8"	5/8" ◇	8,600	C24R-BF	Concrete / masonry cutting
CC1C800	8" x 1/8"	5/8" ◇	7,600	C24R-BF	Concrete / masonry cutting
CC1MC600	6" x 3/32"	5/8" ◇	10,200	A/CS30R-BF	Multi-material cutting
CC1MC700	7" x 1/8"	5/8" ◇	8,600	A/CS30R-BF	Multi-material cutting
CC1S600	6" x 3/32"	5/8" ◇	10,200	AS30INOX-BF	Stainless / metal cutting
CC1S700	7" x 1/8"	5/8" ◇	8,600	AS30INOX-BF	Stainless / metal cutting



Abrasive Wheels for Cutoff Machines

A24N-BF - Aluminum oxide grain, 24 grit grain size, in the soft range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AS36T-BF - Aluminum oxide grain specially formulated for use with stainless steel, 36 grit grain size, in the hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AS36TX-BF - Aluminum oxide grain specially formulated for cutting studs, 36 grit grain size, in the hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Wheel Diameter	Arbor Size	Max. RPM	Grit	Application
CWCS1M1000	10" x 1/8"	5/8"	6,100	A24N-BF	Metal cutting
CWCS1M1200	12" x 7/64"	1"	5,100	A24N-BF	Metal cutting
CWCS1M14SC	14" x 3/32"	1"	4,400	AS36TX-BF	Stud cutting, stainless steel
CWCS1M1400	14" x 1/8"	1"	4,400	A24N-BF	Metal cutting
CWCS1S1200	12" x 7/64"	1"	6,400	AS36T-BF	Stainless steel, ferrous metals
CWCS1S1400	14" x 1/8"	1"	4,400	AS36T-BF	Stainless steel, ferrous metals

Portable / High Speed Wheels

A24R-BF – Aluminum oxide grain, 24 grit grain size, in the middle range on the bond hardness scale. Resin bond and fiberglass reinforcing.

AC24R-BF – Aluminum oxide / silicon carbide blended grain specially formulated for ductile cutting, 24 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.

C24R-BF – Silicon carbide grain, 24 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.

CS30Asphalt-BF – Silicon carbide grain specially formulated for use with asphalt. 30 grit grain size, resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
CWPS1M1200	12" x 5/32"	1"	6,400	A24R-BF	Metal cutting
CWPS1M1220	12" x 5/32"	20 mm for Stihl	6,400	A24R-BF	Metal cutting
CWPS1M1400	14" x 5/32"	1"	5,500	A24R-BF	Metal cutting
CWPS1M1420	14" x 5/32"	20 mm for Stihl	5,500	A24R-BF	Metal cutting
CWPS1C1200	12" x 5/32"	1"	6,400	C24R-BF	Concrete / masonry cutting
CWPS1C1220	12" x 5/32"	20 mm for Stihl	6,400	C24R-BF	Concrete / masonry cutting
CWPS1C1400	14" x 5/32"	1"	5,500	C24R-BF	Concrete / masonry cutting
CWPS1C1420	14" x 5/32"	20 mm for Stihl	5,500	C24R-BF	Concrete / masonry cutting
CWPS1A1200	12" x 5/32"	1"	6,400	CS30Asphalt-BF	Asphalt / green concrete cutting
CWPS1A1220	12" x 5/32"	20 mm for Stihl	6,400	CS30Asphalt-BF	Asphalt / green concrete cutting
CWPS1A1400	14" x 5/32"	1"	5,500	CS30Asphalt-BF	Asphalt / green concrete cutting
CWPS1A1420	14" x 5/32"	20 mm for Stihl	5,500	CS30Asphalt-BF	Asphalt / green concrete cutting
CWPS1D1200	12" x 5/32"	1"	6,400	AC24R-BF	Ductile cutting
CWPS1D1220	12" x 5/32"	20 mm for Stihl	6,400	AC24R-BF	Ductile cutting
CWPS1D1400	14" x 5/32"	1"	5,500	AC24R-BF	Ductile cutting
CWPS1D1420	14" x 5/32"	20 mm for Stihl	5,500	AC24R-BF	Ductile cutting

Stationary Wheels

A30N-BF – Aluminum oxide grain, 30 grit grain size, in the soft to medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.

CS24R-BF – Silicon carbide special grain, 24 grit grain size, in the medium range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
CSS1M1000	10" x 1/8"	1"	6,100	A30N-BF	Metal cutting
CSS1M1200	12" x 1/8"	1"	6,400	A30N-BF	Metal cutting
CSS1M1400	14" x 1/8"	1"	5,500	A30N-BF	Metal cutting
CSS1M1600	16" x 5/32"	1"	4,800	A30N-BF	Metal cutting
CSS1C1000	10" x 1/8"	1"	6,100	CS24R-BF	Concrete / masonry cutting
CSS1C1200	12" x 1/8"	1"	6,400	CS24R-BF	Concrete / masonry cutting
CSS1C1400	14" x 1/8"	1"	5,500	CS24R-BF	Concrete / masonry cutting



Type 29 Flap Discs

Flap discs combine aggressive sanding properties with soft, low-vibration running. The advantages are a high material removal rate, high surface quality and smooth polish with less noise when compared to fiber sanding discs.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
FD2940040	4"	5/8"	15,250	Z 40 grit	Metal blending and grinding
FD2940060	4"	5/8"	15,250	Z 60 grit	Metal blending and grinding
FD2940080	4"	5/8"	15,250	Z 80 grit	Metal blending and grinding
FD2945040	4-1/2"	7/8"	13,280	Z 40 grit	Metal blending and grinding
FD2945060	4-1/2"	7/8"	13,280	Z 60 grit	Metal blending and grinding
FD2945080	4-1/2"	7/8"	13,280	Z 80 grit	Metal blending and grinding
FD29450120	4-1/2"	7/8"	13,280	Z 120 grit	Metal blending and grinding
FD2945160	4-1/2"	5/8"-11	13,280	Z 60 grit	Metal blending and grinding
FD2950040	5"	7/8"	12,200	Z 40 grit	Metal blending and grinding
FD2950060	5"	7/8"	12,200	Z 60 grit	Metal blending and grinding
FD2950080	5"	7/8"	12,200	Z 80 grit	Metal blending and grinding
FD29500120	5"	7/8"	12,200	Z 120 grit	Metal blending and grinding
FD2950160	5"	5/8"-11	12,200	Z 60 grit	Metal blending and grinding
FD2960040	6"	7/8"	10,200	Z 40 grit	Metal blending and grinding
FD2960060	6"	7/8"	10,200	Z 60 grit	Metal blending and grinding
FD2960080	6"	7/8"	10,200	Z 80 grit	Metal blending and grinding
FD29600120	6"	7/8"	10,200	Z 120 grit	Metal blending and grinding
FD2960160	6"	5/8"-11	10,200	Z 60 grit	Metal blending and grinding
FD2970040	7"	7/8"	8,600	Z 40 grit	Metal blending and grinding
FD2970060	7"	7/8"	8,600	Z 60 grit	Metal blending and grinding
FD2970080	7"	7/8"	8,600	Z 80 grit	Metal blending and grinding
FD29700120	7"	7/8"	8,600	Z 120 grit	Metal blending and grinding
FD2970160	7"	5/8"-11	8,600	Z 60 grit	Metal blending and grinding

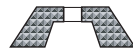


Type 11 for Large Angle Grinders Only

Type 11 flared wheel cups are excellent for cleaning castings, mold marks and removing flashing.

A16PB – Aluminum oxide grain, 16 grit grain size, in the soft to medium range on the bond hardness scale. Resin bond.

C16PB – Silicon carbide grain, 16 grit grain size, in the soft to medium range on the bond hardness scale. Resin bond.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
FCW11M401	4" x 2"	5/8"-11	9,000	A16PB	Metal grinding / HD stock removal
FCW11M501	5" x 2"	5/8"-11	7,200	A16PB	Metal grinding / HD stock removal
FCW11M601	6" x 2"	5/8"-11	6,000	A16PB	Metal grinding / HD stock removal
FCW11C401	4" x 2"	5/8"-11	9,000	C16PB	Concrete / masonry grinding
FCW11C501	5" x 2"	5/8"-11	7,200	C16PB	Concrete / masonry grinding
FCW11C601	6" x 2"	5/8"-11	6,000	C16PB	Concrete / masonry grinding

Type 28 Grinding Wheels

AS30S-BF – Aluminum oxide special grain, 30 grit grain size, in the medium to hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.

CS30S-BF – Silicon carbide special grain, 30 grit grain size, in the medium to hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
GW28M700	7" x 1/4"	7/8"	8,600	AS30S-BF	Metal grinding
GW28M701	7" x 1/4"	5/8"-11	8,600	AS30S-BF	Metal grinding
GW28M900	9" x 1/4"	7/8"	6,600	AS30S-BF	Metal grinding
GW28C700	7" x 1/4"	7/8"	8,600	CS30S-BF	Concrete / masonry grinding
GW28C900	9" x 1/4"	7/8"	6,600	CS30S-BF	Concrete / masonry grinding

Type 29 Flexible Wheels

Flexible grinding wheels are ideal for contour and edge work when performing medium to light grinding and stock removal.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
GW29M45024	4-1/2" x 1/8"	7/8"	13,280	Rondex A24 grit	Metal blending and grinding
GW29M45036	4-1/2" x 1/8"	7/8"	13,280	Rondex A36 grit	Metal blending and grinding
GW29M50024	5" x 1/8"	7/8"	12,200	Rondex A24 grit	Metal blending and grinding
GW29M50036	5" x 1/8"	7/8"	12,200	Rondex A36 grit	Metal blending and grinding
GW29C45024	4-1/2" x 1/8"	7/8"	13,280	Rondex C24 grit	Masonry grinding
GW29C45036	4-1/2" x 1/8"	7/8"	13,280	Rondex C36 grit	Masonry grinding
GW29C50024	5" x 1/8"	7/8"	12,200	Rondex C24 grit	Masonry grinding
GW29C50036	5" x 1/8"	7/8"	12,200	Rondex C36 grit	Masonry grinding



Die Grinder / Straight Grinder Wheels

AS46T-BF – Aluminum oxide special grain, 46 grit grain size, in the hard range on the bond hardness scale. Resin bond and fiberglass reinforcing.



Item #	Diameter	Arbor	Max. RPM	Grit	Application
■ CWDG1M203	2" x 1/16"	3/8"	30,500	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M252	2-1/2" x .045"	1/4"	30,500	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M253	2-1/2" x .045"	3/8"	30,500	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M311	3" x .045"	1/4"	24,400	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M313	3" x .045"	3/8"	24,400	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M303	3" x 1/16"	3/8"	24,400	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M411	4" x .045"	1/4"	19,000	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M413	4" x .045"	3/8"	19,000	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M403	4" x 1/16"	3/8"	19,000	AS46T-BF	Metal / stainless steel cutting
■ CWDG1M415	4" x .045"	5/8"	19,000	AS46T-BF	Metal / stainless steel cutting

NOTE: Diameters greater than 2" require guards and must be used on straight grinders.



Bench Grinder Wheels

Bosch premium grade bench grinding wheels are constructed of high quality abrasive grains, bonding coats and backings for superior metal grinding.

- Constructed of aluminum oxide with vitrified bond for long life. Excellent for sharpening tools and for light stock removal



Item #	Diameter	Arbor	Max. RPM	Grit	Application
BGW155036	5" x 1/2"	1/2"	4,900	36	Sharpening tools and light stock removal
BGW155060	5" x 1/2"	1/2"	4,900	60	Sharpening tools and light stock removal
BGW157560	5" x 3/4"	1/2"	4,900	60	Sharpening tools and light stock removal
BGW1575100	5" x 3/4"	1/2"	4,900	100	Sharpening tools and light stock removal
BGW167536	6" x 3/4"	1/2"	4,100	36	Sharpening tools and light stock removal
BGW167560	6" x 3/4"	1/2"	4,100	60	Sharpening tools and light stock removal
BGW1675100	6" x 3/4"	1/2"	4,100	100	Sharpening tools and light stock removal
BGW160136	6" x 1"	1/2"	4,100	36	Sharpening tools and light stock removal
BGW160160	6" x 1"	1/2"	4,100	60	Sharpening tools and light stock removal
BGW1601100	6" x 1"	1/2"	4,100	100	Sharpening tools and light stock removal

Brushes & Wire Wheels

Cup Brushes

Bosch offers a full selection of crimped and knotted wire cup brushes.

- **WB503, WB504** and **WB508-511** are knotted wire cup brushes designed specifically for portable tools. Useful for removing weld scale, burrs and corrosion or preparing surfaces for painting
- **WB523-526** are crimped wire cup brushes with carbon steel bristles that provide softer brushing action than knotted wire cup brushes



Item #	Diameter	Arbor	Max. RPM	Material	Wire Gauge	Description
WB503	3"	1/2"-13	12,500	Stainless steel	0.020	Knotted single row cup brush
WB504	3"	5/8"-11	12,500	Stainless steel	0.020	Knotted single row cup brush
WB508	3"	1/2"-13	12,500	Carbon steel	0.020	Knotted single row cup brush
WB509	3"	5/8"-11	12,500	Carbon steel	0.020	Knotted single row cup brush
WB510	4"	5/8"-11	8,500	Carbon steel	0.020	Knotted wire cup brush
WB511	6"	5/8"-11	6,600	Carbon steel	0.020	Knotted wire cup brush
WB523	3"	1/2"-13	12,500	Carbon steel	0.012	Crimped wire cup brush
WB524	3"	5/8"-11	12,500	Carbon steel	0.012	Crimped wire cup brush
WB525	4"	5/8"-11	8,500	Carbon steel	0.014	Crimped wire cup brush
WB526	6"	5/8"-11	6,600	Carbon steel	0.014	Crimped wire cup brush

Wire Wheels

Bosch offers a full selection of wire wheels.

- **WB568** and **WB569** are crimped wire wheels made from the highest quality crimped tempered steel with maximum wire density to ensure longer life. Use for de-burring gears, removing oxides and scale, flash removal and edge blending
- **WB553, WB554, WB558** and **WB559** are stiff stringer bead knotted wire wheels with extremely narrow tufted faces that provide aggressive action. A maximum number of knots ensures longer life. Ideal for bead weld preparation and excellent for confined areas such as cross country pipe lines and pipe fabrication. Also useful for brushing expansion joints and narrow grooves
- **WB538, WB539, WB543** 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 #	Diameter	Arbor	Max. RPM	Material	Wire Gauge	Description
WB538	4"	1/2"-13	20,000	Stainless steel	0.020	Full cable knotted wire wheel
WB539	4"	5/8"-11	20,000	Stainless steel	0.020	Full cable knotted wire wheel
WB543	4"	1/2"-13	20,000	Carbon steel	0.020	Full cable knotted wire wheel
WB544	4"	5/8"-11	20,000	Carbon steel	0.020	Full cable knotted wire wheel
WB553	4"	1/2"-13	20,000	Stainless steel	0.020	Stringer bead knotted wire wheel
WB554	4"	5/8"-11	20,000	Stainless steel	0.020	Stringer bead knotted wire wheel
WB558	4"	1/2"-13	20,000	Carbon steel	0.020	Stringer bead knotted wire wheel
WB559	4"	5/8"-11	20,000	Carbon steel	0.020	Stringer bead knotted wire wheel
WB568	4"	1/2"-13	12,500	Tempered steel	0.014	Crimped wire wheel
WB569	4"	5/8"-11	12,500	Tempered steel	0.014	Crimped wire wheel

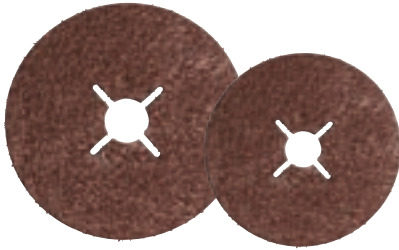
Angle Grinder Accessories

Wool Bonnet

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

Item #	Description	Diameter	Max. RPM
1 608 610 000	Wool bonnet	7"	2,000





Abrasive Sanding Discs

Bosch abrasive sanding discs are made from aluminum oxide for aggressive cutting. The .030" premium fiber withstands heavy-duty use and the arbor hole slots let the disc lie flatter.

Item #	Diameter	Grit	Max. RPM	Quantity
GS424	4-1/2"	24	12,500	5
GS436	4-1/2"	36	12,500	5
GS450	4-1/2"	50	12,500	5
GS480	4-1/2"	80	12,500	5
GS490	4-1/2"	120	12,500	5
GS524	5"	24	11,500	5
GS536	5"	36	11,500	5
GS550	5"	50	11,500	5
GS580	5"	80	11,500	5
GS590	5"	120	11,500	5
GS724	7"	24	8,500	5
GS736	7"	36	8,500	5
GS750	7"	50	8,500	5
GS780	7"	80	8,500	5
GS790	7"	120	8,500	5
T4220	4-1/2"	24	12,500	25
T4223	4-1/2"	50	12,500	25
T4224	4-1/2"	60	12,500	25
T4225	4-1/2"	80	12,500	25
T4226	4-1/2"	100	12,500	25
T4227	4-1/2"	120	12,500	25
T4228	4-1/2"	36	12,500	25
T4230	5"	24	11,500	25
T4233	5"	50	11,500	25
T4234	5"	60	11,500	25
T4235	5"	80	11,500	25
T4236	5"	100	11,500	25
T4237	5"	120	11,500	25
T4238	5"	36	11,500	25
T4240	7"	24	8,500	25
T4243	7"	50	8,500	25
T4244	7"	60	8,500	25
T4245	7"	80	8,500	25
T4246	7"	100	8,500	25
T4247	7"	120	8,500	25
T4248	7"	36	8,500	25



Backing Pads

Bosch backing pads fit most major brands of angle grinders. Use the appropriate backing pad and nut (if applicable).

Item #	Description	Overall 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
BP700	Sanding backing pad assembly	7"	5/8"-11	8,500
BP900	Sanding backing pad assembly	9"	5/8"-11	6,500



Cup Wheel Guards

Cup wheel guards are for use with large grinders only when using Type 11 flared cup wheels.

Item #	For Use With
T3004	Type 11 4" flared cup wheel
T3005	Type 11 5" flared cup wheel
T3006	Type 11 6" flared cup wheel

Diamond Blades The pro's clear cut choice

From the highest quality diamonds to superior Swiss manufacturing, each **BOSCH** diamond blade combines legendary engineering and extensive real-world testing to give you the highest level of performance for every application.

Exclusive Laser Fusion technology

- Superior diamond retention
- Uniform diamond distribution
- 30% faster cutting
- Longer blade life

Exclusive progressive segment spacing

- Cleaner, cooler cuts
- Reduces noise and vibration

Top-grade diamonds

Bosch laser weld technology

- Exceptional bonding
- Longer blade life
- Strict quality control
- 20% faster cutting than standard blades

Bosch laser weld advantage

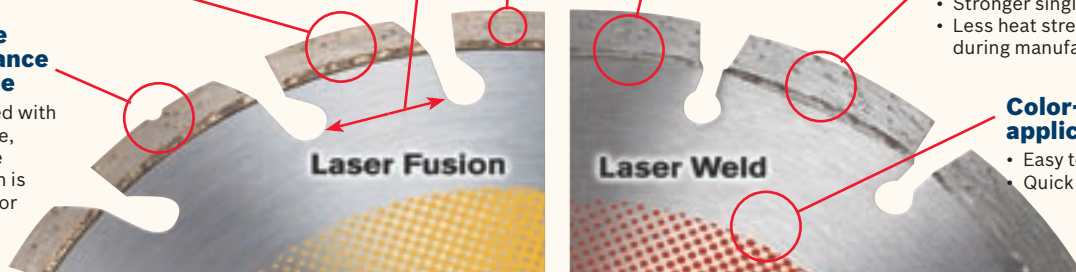
- Stronger single step weld
- Less heat stress on blade during manufacturing

Exclusive performance guarantee

If dissatisfied with performance, return blade before notch is worn away for money back

Color-coded application

- Easy to understand
- Quick reference



All BOSCH Diamond Blades are conveniently color coded by application

General Purpose	Tile	Hard Material	Special
Concrete Block Brick Stone Pavers Fire brick Steel reinforced concrete	Ceramic tile Porcelain Slate Marble Grade 5 tile Exterior tile	Granite Aged concrete Brick paver Steel reinforced concrete Stone flooring 5000 PSI concrete	Asphalt Sandstone Green concrete Iron / rebar Marble Tuck-point mortar

NOTE: A diamond blade is a Type 1 abrasive cutting wheel.

Diamond Blade Maximum Speeds

Blade Diameter (in.)	Blade Diameter (mm)	Maximum RPM	Maximum Perispherical Speed (m/s)
4	105	14,500	80
4-1/2"	115	13,200	80
5	125	12,200	80
6	150	10,100	80
7	180	8,500	80
9	230	6,600	80
12	300	6,300	100
14	350	5,400	100
16	400	4,700	100

A Diamond Blade For Every Job



Segmented

- 8 progressive segment blades feature exclusive Laser Fusion.
- Segmented gullets clear the cutting path to provide faster, cleaner, cooler cuts.
- Superior cutting speed through rough materials.
- Blade design reduces noise and vibration.

Ideal for cutting:

- Asphalt
- Pavers
- Green concrete
- Concrete
- Block



Turbo

- Constant contact with material produces smoother cuts than segmented blades.
- Sintered continuous rim with a serrated cutting edge.

Ideal for cutting:

- Concrete
- Bricks
- Pavers
- Sandstone



Continuous Rim

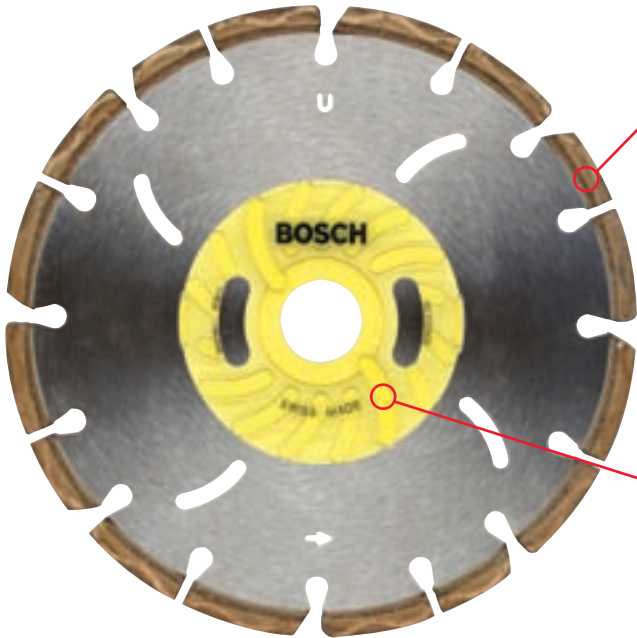
- Chip-free ultra smooth cutting.
- Wet or dry use.

Ideal for cutting:

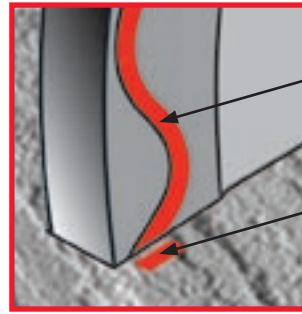
- Ceramic tile
- Granite
- Slate
- Porcelain

NEW! **SPEEDWAVE™** Segmented Blades

Now Bosch extends its long tradition of continuous innovation with the introduction of the new SPEEDWAVE™ line of segmented blades.



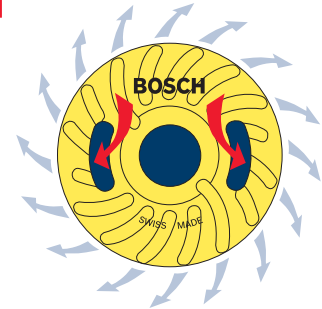
The name SPEEDWAVE™ refers to the unique wave-shaped segments. They reduce surface friction and provide outstanding cutting speed



Wave pattern

Reduced surface contact area moves as blade turns

One-of-a-kind cooling disc ventilates the blade to reduce vibration, improve cutting speed and extend blade life



Item #	Description	Application	Tool Type	Diameter	Arbor
DBSW4561	Segmented Diamond Blade	Concrete, block, brick, stone, steel reinforced concrete	Small angle	4-1/2"	5/8" + 7/8"
DBSW561	Segmented Diamond Blade	Concrete, block, brick, stone, steel reinforced concrete	Small angle	5"	5/8" + 7/8"
DBSW761	Segmented Diamond Blade	Concrete, block, brick, stone, steel reinforced concrete	Large angle	7"	5/8" + 7/8"
DBSW961	Segmented Diamond Blade	Concrete, block, brick, stone, steel reinforced concrete	Large angle	9"	5/8" + 7/8"

Diamond Abrasive **Blades**

General Purpose Diamond Abrasive Blades

Bosch high-performance diamond blades are designed to cut faster and last longer. From the highest quality diamonds to the easy-to-understand color coding system, each blade combines legendary engineering and extensive real-world testing to provide the highest level of performance for every application. Patented Laser Fusion blades set the Bosch line apart from the competition. The exclusive process uses a precision laser application to fuse a proprietary mix of diamonds and metal bonding material directly to the steel blade core. This unsurpassed bonding delivers superior diamond retention and distribution along with greatly increased cutting speeds up to 30% faster than standard blades in the same price range. Cuts are consistently cleaner and blade life is ultimately maximized.

- Laser Fusion blades are backed by an unprecedented exclusive performance guarantee. If dissatisfied with performance, simply return the blade before the notch is worn away for a full refund
- Laser weld technology creates exceptional bonding and deep diamond distribution resulting in longer blade life and 20% faster cutting. The advantage of the single step laser weld is less heat stress during manufacturing which forges a stronger blade
- Specially segmented gullets in the blade clear the cutting path to provide faster, cleaner, cooler cuts allowing for superior cutting speed through rough materials. On Laser Fusion blades with exclusive progressive segment spacing, every fifth segment is raised for more aggressive cutting
- Turbo rims on blades designed for cutting pavers, marble, slate, and fire brick are sintered with a serrated cutting edge and stay in constant contact with material to produce smoother cuts
- General purpose diamond blades appropriate for cutting materials such as concrete, block, brick, stone, steel reinforced concrete, pavers, marble, slate and fire brick are conveniently color coded in yellow



Item #	Description	Application	Tool Type	Diameter	Arbor
DB461	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DB4561	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB561	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	5"	7/8" + 5/8"
DB661	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	6"	7/8" + 5/8"
DB761	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Circular saws / large angle grinders	7"	5/8" ◇
DB961	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Large angle grinders	9"	7/8" & 5/8"
DB1261	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Cut-off machines	12"	1" & 20 mm
DB1461	Laser Fusion Progressive Segmented	Concrete, block, brick, stone, steel reinforced concrete	Cut-off machines	14"	1" & 20 mm

General Purpose Diamond Abrasive Blades Cont'd.



Item #	Description	Application	Tool Type	Diameter	Arbor
DB441	Premium Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DW400	Premium Segmented	Cutting brick, tile, stone, masonry and many other materials	Small angle grinders	4-1/8"	20 mm with 7/8" knockout
DB4541	Premium Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB541	Premium Segmented	Concrete, block, brick, stone, steel reinforced concrete	Small angle grinders	5"	7/8" + 5/8"
DB741	Premium Segmented	Concrete, block, brick, stone, steel reinforced concrete	Circular saws / large angle grinders	7"	5/8" ⬠
DB1241	Premium Segmented	Concrete, block, brick, stone, steel reinforced concrete	Cut-off machines	12"	1" & 20 mm
DB1441	Premium Segmented	Concrete, block, brick, stone, steel reinforced concrete	Cut-off machines	14"	1" & 20 mm
DB463	Premium Plus Turbo	Pavers, marble, slate, fire brick	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DB4563	Premium Plus Turbo	Pavers, marble, slate, fire brick	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB563	Premium Plus Turbo	Pavers, marble, slate, fire brick	Small angle grinders	5"	7/8" + 5/8"
DB763	Premium Plus Turbo	Pavers, marble, slate, fire brick	Circular saws / large angle grinders	7"	5/8" ⬠
DB963	Premium Plus Turbo	Pavers, marble, slate, fire brick	Large angle grinders	9"	7/8" & 5/8"
DB1263	Premium Plus Turbo	Pavers, marble, slate, fire brick	Cut-off machines	12"	1" & 20 mm
DB1463	Premium Plus Turbo	Pavers, marble, slate, fire brick	Cut-off machines	14"	1" & 20 mm
DB442	Premium Turbo	Pavers, marble, slate, fire brick	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DB4542	Premium Turbo	Pavers, marble, slate, fire brick	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB542	Premium Turbo	Pavers, marble, slate, fire brick	Small angle grinders	5"	7/8" + 5/8"
DB742	Premium Turbo	Pavers, marble, slate, fire brick	Circular saws	7"	5/8" ⬠



Diamond Abrasive Blades for Special Applications

- Continuous rims on blades designed for cutting marble deliver chip-free ultra smooth cutting in wet or dry applications
- Diamond blades appropriate for cutting special materials such as soft abrasive, soft brick, asphalt, green concrete, duct tile, iron / rebar, marble and tuck-point mortar are conveniently color coded in red

Item #	Description	Application	Tool Type	Diameter	Arbor
DB4565	Premium Plus Segmented	Soft abrasive, soft brick, asphalt	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB765	Premium Plus Segmented	Soft abrasive, soft brick, asphalt	Circular saws / large angle grinders	7"	5/8" ⬠
DB1265	Premium Plus Segmented	Asphalt, green concrete	Walk behinds	12"	1" & 20 mm
DB1465	Premium Plus Segmented	Asphalt, green concrete	Walk behinds	14"	1" & 20 mm
DB1267	Premium Plus Segmented	Duct tile, iron / rebar	Cut-off machines	12"	1" & 20 mm
DB1467	Premium Plus Segmented	Duct tile, iron / rebar	Cut-off machines	14"	1" & 20 mm
DB468	Premium Plus Continuous	Marble	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DB4568	Premium Plus Continuous	Marble	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB568	Premium Plus Continuous	Marble	Wet saws / small angle grinders*	5"	7/8" + 5/8"
DB768	Premium Plus Continuous	Marble	Circular saws / large angle grinders*	7"	5/8" ⬠
DB968	Premium Plus Continuous	Marble	Wet saws / large angle grinders*	9"	7/8" & 5/8"
DD400	Premium Segmented	Tuck-point mortar	Small angle grinders	4"	7/8" & 5/8"
DD500	Premium Segmented	Tuck-point mortar	Small angle grinders	5"	7/8" & 5/8"

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

Diamond Abrasive **Blades**

Diamond Abrasive Blades for Hard Material

Diamond blades appropriate for cutting hard materials such as granite, aged concrete, brick paver, steel reinforced concrete, stone flooring and 5000 PSI concrete are conveniently color coded in silver.



Item #	Description	Application	Tool Type	Diameter	Arbor
DB4564	Premium Plus Segmented	Hard material	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB564	Premium Plus Segmented	Hard material	Small angle grinders	5"	7/8" + 5/8"
DB664	Premium Plus Segmented	Hard material	Small angle grinders	6"	7/8" + 5/8"
DB764	Premium Plus Segmented	Hard material	Circular saws / large angle grinders	7"	5/8" ⬡
DB964	Premium Plus Segmented	Hard material	Large angle grinders	9"	7/8" & 5/8"
DB1264	Premium Plus Segmented	Hard material	Cut-off machines	12"	1" & 20 mm
DB1464	Premium Plus Segmented	Hard material	Cut-off machines	14"	1" & 20 mm

Diamond Abrasive Blades for Tile

Diamond blades appropriate for cutting tile-type materials such as ceramic tile, porcelain, slate, marble, grade 5 tile and exterior tile are conveniently color coded in green.



Item #	Description	Application	Tool Type	Diameter	Arbor
DB466	Premium Plus Continuous	Tile	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DB4566	Premium Plus Continuous	Tile	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB666	Premium Plus Continuous	Tile	Small angle grinders	6"	7/8" + 5/8"
DB766	Premium Plus Continuous	Tile	Large angle grinders*	7"	5/8"
DB866	Premium Plus Continuous	Tile	Wet saws*	8"	5/8"
DB1066	Premium Plus Continuous	Tile	Wet saws*	10"	5/8"
DB443	Premium Continuous	Tile	Small angle grinders	4"	7/8" + 20 mm + 5/8"
DB4543	Premium Continuous	Tile	Small angle grinders	4-1/2"	7/8" + 20 mm + 5/8"
DB743	Premium Continuous	Tile	Wet saws / large angle grinders*	7"	5/8"

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

Diamond Cup Wheel Quick Selection Chart

Material	Asphalt	Basalt	Concrete, old	Concrete, fresh (abrasive)	Concrete pipes, stone	Pumice stone	Concrete pipes, stone	Screed concrete	Aerated concrete	Plaster, plaster board	Gneis, granite	Cast asphalt	Hard casting forms	Limestone, soft	Limestone, hard	Clinker stone, soft	Bricks	Mortar, plaster	Natural limestone	Natural slate	Poroton	Porphyry	Quartzite	Sandstone	Slag stone	Travertine	Cement fiber boards	Thermo-plastic protective paint finishes	Item #	
			•		•	•			•						•				•				•	•			•	Item # DC500		
		•	•		•	•	•	•	•	•	•	•		•	•		•	•	•				•	•	•		•	Item # DC510		
	•	•	•	•	•	•	•	•	•	•		•		•				•	•	•			•	•				Item # DC520		
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• Optimal Choice • Possible



Diamond Cup Wheels

Bosch offers a solution for grinding on every surface.

- DC500 is ideal for sanding thin layers of thermo-plastic protective paint finishes on concrete and fiberglass. The medium-hard metal bonding and wide segment spacing have been designed for low working temperatures to prevent protective paint finish from smearing during grinding
- DC510 is ideal for quick grinding down of thick concrete layers. The optimized cobalt bonding has been equipped with tungsten carbide and thus allows even the toughest use so roughing concrete is no longer a problem
- DC520 is ideal for large-area material removal of lime plaster, hard finish plaster, sandstone and abrasive concrete. The hard metal bonding even resists loads caused by strongly abrasive materials
- DC530 is ideal for creating fine surfaces on granite building materials, artificial stone and concrete. The surrounding turbo grinding ring enables fine grinding results for finishing work. Also works great on edges and corners without breakage
- DW400 is ideal for cutting brick, tile, stone, masonry and other materials. Employs the highest quality diamonds and specially segmented gullets which clear the cutting path to provide faster, cleaner, cooler cuts allowing for superior cutting speed through rough materials

Item #	Description	Application	Diameter	Arbor	Max. RPM
DC500	10 Segment	Sanding thin layers of thermo-plastic protective paint	5"	7/8"	12,200
DC510	11 Segment	Quick grinding of thick concrete layers	5"	7/8"	12,200
DC520	11 Segment	Large-area material removal	5"	7/8"	12,200
DC530	Turbo	Creating fine surfaces on granite	5"	7/8"	12,200