







## Hammer Quick Reference Guide



							
Item #	<b>1191VSR(K)</b>	<b>1194VSR(K)</b>	<b>1199VSR(K)</b>	<b>11258VSR</b>	<b>11250VSR</b>	<b>11221DVS</b>	<b>11253VSR</b>
Drive System	Round	Round	Round	SDS-plus®	SDS-plus®	SDS-plus®	SDS-plus®
Hammer Classification	Hammer Drill	Hammer Drill	Hammer Drill	Rotary	Rotary	Combination	Combination
Amperage	7	8	8.5	4.8	6	6.9	7.2
Impact Energy (ft.-lbs.)	N/A	N/A	N/A	1.6	1.6	1.6	2.2
Max. Concrete Capacity	5/8"	3/4"	3/4"	5/8"	3/4"	7/8"	1"
Optimal Range	1/8" - 5/16"	1/8" - 3/8"	1/8" - 3/8"	1/8" - 5/16"	5/32" - 5/8"	3/16" - 5/8"	3/16" - 5/8"
Core Bits	N/A	N/A	N/A	N/A	1-1/2"	2-1/2"	2-1/2"
No Load RPM	0-3,000	0-1,000 / 0-2,600	0-1,100 / 0-3,000	0-1,700	0-1,100	0-1,040	0-1,300
No Load BPM	0-48,000	0-16,000 / 0-41,600	0-18,000 / 0-48,000	0-4,400	0-4,400	0-5,750	0-5,800
Modes of Operation	Rotation Only Hammer Drill	Rotation Only Hammer Drill	Rotation Only Hammer Drill	Rotation Only Rotary Hammer	Rotation Only Rotary Hammer	Rotation Only Rotary Hammer Hammer Only	Rotation Only Rotary Hammer Hammer Only
Length	11"	16"	13.25"	11.9"	13.25"	16.5"	14.8"
Weight	4.1 lbs.	5.3 lbs.	6 lbs.	4.6 lbs.	5.4 lbs.	8.5 lbs.	6.4 lbs.

						
Item #	<b>11224VSR(C)*</b>	<b>11255VSR</b>	<b>11239VS</b>	<b>11236VS</b>	<b>11222EVS(G)</b>	<b>11320VS</b>
Drive System	SDS-plus®	SDS-plus®	SDS-plus®	SDS-plus®	SDS-plus®	SDS-plus®
Hammer Classification	Combination	Combination	Combination	Combination	Combination	Chipping
Amperage	6.9	7.2	7.2	7.5	7.8	6.5
Impact Energy (ft.-lbs.)	1.6	2.2	2.4	2.6	2.6	3.2
Max. Concrete Capacity	7/8"	1"	1"	1-1/8"	1-1/8"	N/A
Optimal Range	3/16" - 5/8"	3/16" - 5/8"	3/16" - 3/4"	1/4" - 7/8"	1/4" - 7/8"	N/A
Core Bits	2-1/2"	2-1/2"	3"	3"	3"	N/A
No Load RPM	0-1,100	0-1,300	0-1,050	0-850	300-700	N/A
No Load BPM	0-6,150	0-5,800	0-4,000	0-3,900	1,650-3,900	N/A
BPM	N/A	N/A	N/A	N/A	N/A	3,500
Modes of Operation	Rotation Only Rotary Hammer Hammer Only	Rotation Only Rotary Hammer Hammer Only	Rotation Only Rotary Hammer	Rotation Only Rotary Hammer Hammer Only	Rotation Only Rotary Hammer Hammer Only	Hammer Only
Length	17.5"	17.3"	12.9"	15.25"	15.25"	14.75"
Weight	6.5 lbs.	6.7 lbs.	7.8 lbs.	9.3 lbs.	10.1 lbs.	7.9 lbs.

## Rotary Hammers

						
Item #	11240	11247	11241EVS	11248EVS	11263EVS	11245EVS
Drive System	SDS-max®	Spline/Round Hex	SDS-max®	Spline/Round Hex	SDS-max®	SDS-max®
Hammer Classification	Combination	Combination	Combination	Combination	Combination	Combination
Amperage	10	10	11	11	13.5	14
Impact Energy (ft.-lbs.)	5.2	5.2	6.2 / 7.4	6.2 / 7.4	9.6 / 11.1	13.3
Max. Concrete Capacity	1-9/16"	1-9/16"	1-9/16"	1-9/16"	1-3/4"	2"
Optimal Range	1/2" - 1-3/8"	1/2" - 1-3/8"	1/2" - 1-3/8"	1/2" - 1-3/8"	5/8" - 1-9/16"	3/4" - 1-3/4"
Through Hole Bits	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3-1/8"	3-1/8"
Core Bits	4"	4"	4"	4"	6"	6"
No Load RPM	400	400	170-340	170-340	145-280	120-250
No Load BPM	3,000	3,000	1,700-3,300	1,700-3,300	1,350-2,800	1,100-2,500
Modes of Operation	Rotary Hammer Hammer Only	Rotary Hammer Hammer Only	Rotation Only Rotary Hammer	Rotary Hammer Hammer Only	Rotary Hammer Hammer Only	Rotary Hammer Hammer Only
Length	17.25"	17.25"	18"	18"	21"	23.5"
Weight	13.2 lbs.	13.6 lbs.	14 lbs.	14.4 lbs.	17.9 lbs.	24.5 lbs.

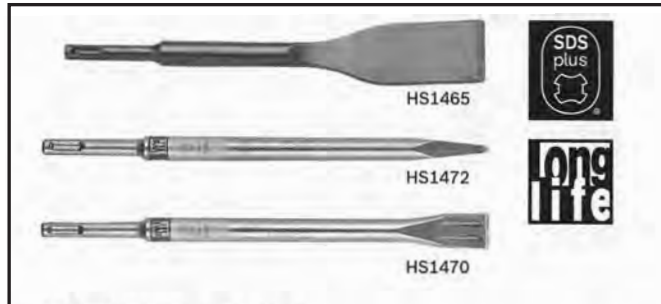
							
Item #	11387	11388	11318EVS	11316EVS	11317EVS	11335K	11304(K)
Drive System	Round Hex	SDS-max®	SDS-max®	SDS-max®	3/4" Hex	1-1/8" Hex Collar	1-1/8" Hex Collar
Hammer Classification	Demolition	Demolition	Demolition	Demolition	Demolition	Breaker	Breaker
Amperage	10	10	11	14	12.8	15	15
Impact Energy (ft.-lbs.)	5.9	5.9	8.8	4.4 - 18.4	4 - 16.5	34	43
BPM	2,800	2,800	1,300-3,000	900-1,890	850-1,800	1,300	1,400
Modes of Operation	Hammer Only	Hammer Only	Hammer Only	Hammer Only	Hammer Only	Hammer Only	Hammer Only
Length	17.5"	17.5"	17.75"	22.5"	22"	30.4"	29.75"
Weight	12 lbs.	11.6 lbs.	12.5 lbs.	22.5 lbs.	22 lbs.	38 lbs.	64 lbs.

## Round Hex / Spline Hammer Steel



Bosch offers a full assortment of round hex/spline hammer steel points and chisels.

Item #	Description	Size	Quantity
HS1809	Bushing tool one piece	16 tooth head, 1-3/4" square x 9-1/4"	1
HS1809B10	Bushing tool one piece	16 tooth head, 1-3/4" square x 9-1/4"	10
HS1810	Scaling chisel	3" x 12"	1
HS1810B10	Scaling chisel	3" x 12"	10
HS1811	Flat chisel	1" x 12"	1
HS1811B20	Flat chisel	1" x 12"	20
HS1812	Flat chisel	1" x 18"	1
HS1812B10	Flat chisel	1" x 18"	10
HS1813	Bull point	12"	1
HS1813B20	Bull point	12"	20
HS1814	Bull point	18"	1
HS1814B10	Bull point	18"	10
HS1815	Scraping chisel	2" x 12"	1
HS1816	Scaling chisel	1-1/2" x 12"	1
HS1817	Scaling chisel	2" x 12"	1
HS1817B10	Scaling chisel	2" x 12"	10
HS1521	Bushing head	16 tooth head, 1-3/4" square	1
HS1818	Bushing head shank	12"	1
HS1820	Seam tool	1-1/8" x 15"	1
HS1821	Slotting tool	1-1/8" x 15"	1
HS1822	Clay spade	4-1/2" x 16"	1
HS1822B3	Clay spade	4-1/2" x 16"	3
HS1824	Ground rod driver	5/8" & 3/4" rods	1
HS1826	Pointed spade	4-1/2" x 16"	1
HS1827	Tamper plate shank	12"	1
HS1828	Tamper plate	5" x 5"	1



### SDS-plus® Hammer Steel

Bosch offers a full assortment of SDS-plus® hammer steel points and chisels.

- HS1470 is the new long life SDS-plus® Viper flat chisel featuring an innovative cutting chisel that further disperses the energy of each impact. 30% longer service life and 15% higher material removal
- HS1472 is the new long life SDS-plus® pointed chisel, 30% longer service life and 15% higher material removal
- HS1465 is the new SDS-plus® tile chisel which allows removal of tiles at a faster rate and with much less effort. Bosch's new tile chisel removes material up to 40% quicker than conventional tile chisels. Ideal for smaller grout joints and specially shaped for prying and removing tiles in one piece

Item #	Description
HS1415	10° point
HS1420	3/4" x 10" chisel
HS1425* <small>NEW!</small>	1-1/2" x 10" wide chisel <i>self-sharpening</i>
HS1427* <small>NEW!</small>	2-1/2" x 10" wide chisel <i>self-sharpening</i>
HS1430	1/4" x 7" wood chisel
HS1435	1/2" x 7" wood chisel
HS1440	3/4" x 7" wood chisel
HS1445	1" x 7" wood chisel
HS1450	1-1/4" x 7" wood chisel
HS1465	1-1/2" x 10" Tile chisel
HS1470 <small>NEW!</small>	3/4" x 10" Viper flat chisel ( <i>long life</i> )
HS1472 <small>NEW!</small>	10° point ( <i>long life</i> )
HS1475	10° Gouging chisel
HS1480	8° Carbide tipped point
HS1485	1-1/2" x 5-3/4" Stubby scaling chisel
HS1490	5-3/4" Stubby point
HS1495	3/4" x 5-3/4" Stubby flat chisel



### SDS-max® Hammer Steel

Bosch offers a full assortment of SDS-max® hammer steel points and chisels.



Item #	Description	Size	Quantity
HS1903	R-Tec flat chisel	1" x 16"	1
HS1903B10	R-Tec flat chisel	1" x 16"	10
HS1904	R-Tec bull point	16"	1
HS1904B10	R-Tec bull point	16"	10
HS1934* <small>NEW!</small>	R-Tec Star Point chisel <i>self-sharpening</i>	16"	1
HS1934B10* <small>NEW!</small>	R-Tec Star Point chisel <i>self-sharpening</i>	16"	10
HS1906	Asphalt cutter	5" x 15"	1
HS1909	Bushing tool, one piece	16 tooth head, 1-3/4" square x 9-1/4"	1
HS1910	Scaling chisel	3" x 12"	1
HS1911	Flat chisel	1" x 12"	1
HS1911B20	Flat chisel	1" x 12"	20
HS1912	Flat chisel	1" x 18"	1
HS1912B10	Flat chisel	1" x 18"	10
HS1913	Bull point	12"	1
HS1913B20	Bull point	12"	20
HS1914	Bull point	18"	1
HS1914B10	Bull point	18"	10
HS1915 <small>NEW!</small>	Tile chisel	2" x 12"	1
HS1916	Scaling chisel	1-1/2" x 12"	1
HS1917 <small>NEW!</small>	Scaling chisel <i>self-sharpening</i>	2" x 14"	1
HS1918	Floor scraper	6" x 25"	1
HS1920	Seam tool	1-1/8" x 15"	1
HS1921	Slotting tool	1-1/8" x 15"	1
HS1922	Clay spade	4-1/2" x 17"	1
HS1924	Ground rod driver	5/8" & 3/4" rods	1
HS1926	Round spade	4-1/2" x 16"	1
HS1927	Tamper plate shank	12"	1
HS1928	Winged channel chisel	1" x 15"	1
HS1929	Gouge	1" x 12"	1
HS1828	Tamper plate	5" x 5"	1

## Multi-fit Hammer Bits



**Made in Germany**



Hammer bits in our multi fit system feature the same ultra efficient tip and flute design as found on our SDS Max and Spline shank hammer bits. The benefits are 30% faster drilling, 27% longer bit life and complete flexibility as part of the Multi-fit system!

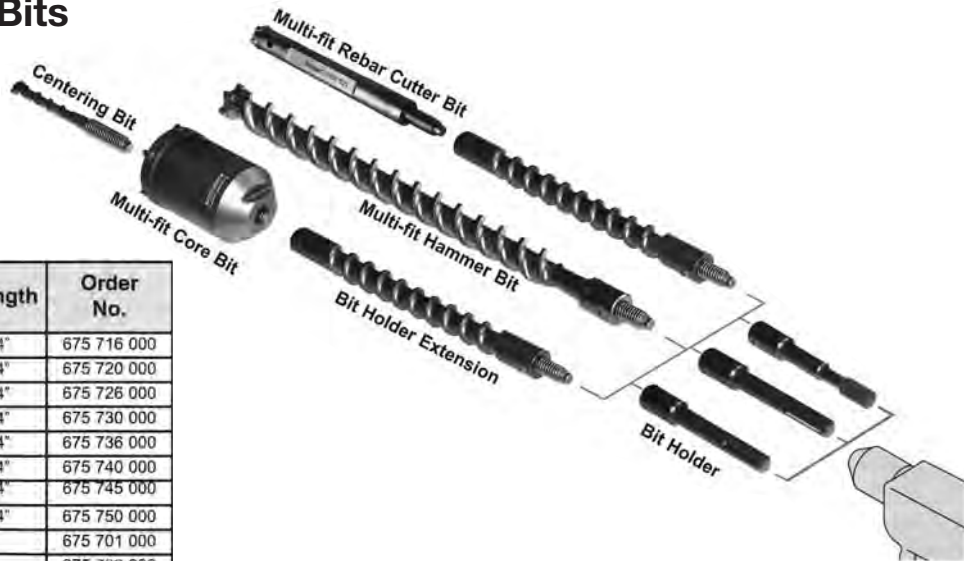


Replacement threaded bolt for Multi-fit hammer bits and bit holder extension.

Tools Capacity	Tip	Diameter		Drilling Depth	Overall Length	Order No.
		Inch	mm			
KHE 54 KHE 55 KHE 75 KHE 32	2 cutters	3/8"	10	6"	9"	675 212 000
		1/2"	13	4"	7"	675 016 000
		1/2"	13	10"	13"	675 216 000
		1/2"	13	16"	19"	675 316 000
		1/2"	13	22"	25"	675 516 000
	3 cutters Vmax	5/8"	16	4"	7"	675 020 000
		5/8"	16	10"	13"	675 220 000
		5/8"	16	16"	19"	675 320 000
		3/4"	19	4"	7"	675 024 000
		3/4"	19	10"	13"	675 224 000
3/4"		19	16"	19"	675 324 000	
3/4"		19	22"	25"	675 524 000	
7/8"		23	10"	13"	675 028 000	
7/8"		23	16"	19"	675 328 000	
1"		26	10"	13"	675 100 000	
1"	26	16"	19"	675 400 000		
1"	26	22"	25"	675 600 000		
1 1/8"	28	16"	19"	675 404 000		
1 1/4"	32	10"	13"	675 108 000		
1 1/4"	32	16"	19"	675 408 000		
1 1/4"	32	22"	25"	675 608 000		
1 3/8"	35	16"	19"	675 412 000		
Bit Holder Extension 1" x 11"						675 702 000
Threaded bolt						675 703 000

(Individually packaged in resistant plastic twist-off tube.)

## Multi-fit Core Bits








Tools Capacity	Diameter Inch	Diameter mm	Length	Order No.
KHE 55 KHE 75	1 1/2"	38	4"	675 716 000
	2"	51	4"	675 720 000
	2 1/2"	63	4"	675 726 000
	3"	63	4"	675 730 000
	3 1/2"	89	4"	675 736 000
	4"	102	4"	675 740 000
KHE 75	4 1/2"	114	4"	675 745 000
	5"	127	4"	675 750 000
Center bit 6"				675 701 000
Bit Holder Extension 1" x 11"				675 702 000
Bit Holder Spline				675 910 000
Bit Holder SDS Max				675 915 000

(Individually packaged in resistant plastic twist-off tube.)

## Multi-fit Universal Concrete Bits System

### Multi-fit Bit Holder

Bit Holders	For Hammer Model	Order No.
 <p><b>SDS Plus 675 934 000</b> Overall Length 4 1/2"</p>	<b>AEG</b>	
	PH-200D, PH210, PHE 16RL-N, PHE 19RL, PHE 20 RL-N, PHE 26	675 934 000
	PH-240D, PH -350, PH-350D, PHD 26, PH 38, PHD 38	675 910 000
	<b>B &amp; D</b>	
	5013K, 5014, 5014K, 5016-09, 5054K, 5056K, 5057K	675 934 000
	5041-09, 5042-09, 5043-09, 5044, 5045K, 5059, 5093K, 5095K, 5096K, 5098K	675 910 000
	5097K, 5099K	675 915 000
	<b>Dewalt</b>	
	DW 563K, DW 566K, DW 567K	675 934 000
	DW 530K, DW 531K, DW 532K, DW 533K	675 910 000
 <p><b>SDS Max 675 915 000</b> Overall Length 7 1/4"</p>	DW 541K, DW 545K	675 915 000
	<b>Bosch</b>	
	11201	675 907 000
	11202, 11203, 11204, 11205, 11209, 12202, 11219 EVS, 11220 EVS, 1122 4E, 11233 EVS, 11310	675 910 000
	11207, 11210 VS, 11210 VSR, 11211 VS, 11212 VSR,	675 934 000
	11213 R, 11222 EVS, 11224 VSR, 11228 VSR, 11234 VSR, 11236 VS	675 934 000
	11214 EVS, 11216 EVS, 11309 EVS, 11311 EVS, 11312, 11223 EVS, 11230 EVS,	675 915 000
	11231 EVS, 11235 EVS, 5045, 5059	675 915 000
	<b>Hilti</b>	
	TE-1, TE-5A, TE-15C, TE-25, TE-25S, TE-5, TE-10, TE-10A, TE-12,	675 934 000
TE-14, TE-15, TE-17, TE-18, TE-22, TE-24	675 934 000	
TE-52, TE-54, TE-55, TE-60, TE-72, TE-74, TE-75, TE-92, TE-94	675 915 000	
 <p><b>Spline 675 910 000</b> Overall Length 7"</p>	<b>Hitachi</b>	
	VRT-22, DH22VB, DH24PB, DH18VBK, DH24VDK, DH25VK	675 934 000
	DH38YA, DH40FA, DH50SB	675 910 000
	<b>Kango</b>	
	200, 285, 327, 350, 422, 426, 430D	675 934 000
	430C, 500, 501, 625, 627, 628, 637, 750X	675 916 000
	950	675 931 000
	HM1100C	675 915 000
	<b>Makita</b>	
	HR1800, HR1820, HR2000, HR2010, HR2410, HR2420, HR2430,	675 934 000
HR2450, HR2455, HR3000	675 934 000	
HR3851, HR4040C, HR5000	675 910 000	
HR4000C, HR5001, HR4500C	675 915 000	
 <p><b>Hex. Shank 675 936 000</b> Overall Length 7"</p>	<b>Milwaukee</b>	
	5303-20, 5320-20, 5324-20, 5362-1, 6362-6, 6366-1, 6366-6, 6368-6, 6369-1	675 934 000
	5313-20	675 915 000
	5311, 5311-6, 5316, 5316-6, 5317-6, 5341, 5343, 5347-6, 5352	675 910 000
	<b>Metabo</b>	
	BHE 6011S, BHE 6015S, BHE 6021S, BHE 6024, KHE 26, KHE-D28, KHE 32,	675 934 000
	BHE 22, BHE-D28, UHE 22, UHE 28	675 934 000
	KHE 55, KHE 75	675 915 000
	KHE 54	675 910 000
	<b>Phillips</b>	
555, 175	675 934 000	
700, 747	675 907 000	
747-2	675 910 000	
 <p><b>Round Hex. Shank 9/16"</b> Overall Length 6 1/2" - 675 916 000 <b>Round Hex. Shank 3/4"</b> Overall Length 8" - 675 931 000</p>	<b>Porter Cable</b>	
	97 765	675 934 000
	<b>Ramset</b>	
	342, 345, 375, CP9F(Spline shank series)	675 910 000
	325, 332	675 934 000
	<b>Wacker</b>	
	EHB-10	675 936 000
	<b>Walter</b>	
	1111, 11118	675 934 000
	1126, 1130	675 907 000
1128, 1131	675 910 000	
1150	675 936 000	



**36V 1" SDS-plus®  
Rotary Hammer**

- 1" solid bit capacity
- 2.5" core bit capacity



<u>Part No.</u>	<u>Length</u>	<u>Impact Energy (ft.lbs)</u>
<b>BOS11536VSR</b>	15"	2.2

**Top Handle Jig Saw  
with Case**

- Rating - 120V
- 3-position dust blower
- Adjustable die-cast aluminum footplate



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1587AVSK</b>	10" - 5/8"	5.0

**Barrel Grip Jig Saw  
with Case**

- Rating - 120V
- 3-position dust blower
- Adjustable die-cast aluminum footplate



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1584AVSK</b>	10" - 5/8"	5.0

**4-1/2" Small Angle Grinder**

- Rating - 120V AC
- 5/8"-11 Spindle Thread
- Spile Lock - For quick wheel changes



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1375A</b>	10" - 1/2"	6.0

**14 Gauge Shear**

- Rating - 120V AC
- Planetary gear drive - more power per round



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1506</b>	10" - 1/4"	4.6

**14 Gauge Nibbler**

- Rating - 120V AC
- Small Gear Head - Allows cutting in confined areas.



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1530</b>	10" - 1/4"	4.6

**16 Gauge Shear**

- Rating - 120V AC



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1500C</b>	7" - 1/2"	4.2

**1/2" Drill With Dual  
Torque Ranges**

- Rating - 120V AC



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1169VSR</b>	12-1/4"	5.2

**3/8" Right Angle Drill**

- Rating - 120V AC



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1132VSR</b>	11-3/4"	3.8

**1/2" High-Speed Drill**

- Rating - 120V AC



<u>Part No.</u>	<u>Length</u>	<u>Amperage</u>
<b>BOS1013VSR</b>	10-9/10"	6.5
<b>BOS1014VSR</b>	11"	6.5

**Milwaukee® 1/2" Magnum Drill**



<b>Part No.</b>	<u>Description</u>
<b>MIL0234-6</b>	<ul style="list-style-type: none"> <li>· 1/2" keyed chuck</li> <li>· Variable speed (0-850)</li> <li>· Reversible</li> </ul>

**Milwaukee® 1 1/2" Rotary Hammer Spine Shank**



<b>Part No.</b>	<u>Description</u>
<b>MIL5318-21</b>	<ul style="list-style-type: none"> <li>· Solid bits to 1 1/2"</li> <li>· Core bits to 6"</li> <li>· Electronic speed control</li> <li>· Soft shift stop - rotation</li> <li>· Slip clutch</li> <li>· Includes case</li> </ul>

**Milwaukee® 1/2" Right Angle Drill**



<b>Part No.</b>	<u>Capacity</u>	<u>Spindle Diameter and Thread</u>	<u>Length</u>
<b>MIL3107</b>	1/2"	1/2"-20	16 3/4"
<b>MIL3102-6</b>	1/2"	1/2"-20	16 3/4"
<b>MIL3002-1</b>	1/2"	1/2"-20	16 3/4"

**Milwaukee® 1 1/2" Rotary Hammer SDS - Max Style**



<b>Part No.</b>	<u>Description</u>
<b>MIL5314-21</b>	<ul style="list-style-type: none"> <li>· Solid bits to 1 1/2"</li> <li>· Core bits to 6"</li> <li>· Electronic speed control</li> <li>· Soft shift stop - rotation</li> <li>· Slip clutch</li> <li>· Includes case</li> </ul>

**Milwaukee® 1/2" Hammer Drill**



<b>Part No.</b>	<u>Description</u>
<b>MIL5378-20</b>	<ul style="list-style-type: none"> <li>· 1/2" keyed chuck</li> <li>· Variable 2 - speed</li> <li>· Reversible</li> </ul>
<b>MIL5378-21</b>	· As above plus case

**Heavy-Duty Shears**



- 6.8 AMPs
- 360° Swivel head for optimal positioning

<b>Part No.</b>	<u>Length</u>	<u>Width</u>	<u>Speed</u>
<b>MIL6852-20</b>	12.3"	2.7"	RMP/SPM 0-2500

**Milwaukee® 1" SDS Rotary Hammer Drill**



<b>Part No.</b>	<u>Description</u>
<b>MIL5362-6</b>	<ul style="list-style-type: none"> <li>· Masonry bit to 1"</li> <li>· Core bit to 3 1/2"</li> <li>· Reversing switch</li> <li>· D-Handle style</li> <li>· Slip clutch</li> <li>· Variable speed</li> <li>· Includes case</li> </ul>

**Heavy-Duty Sawzall® Kits**



<b>Part No.</b>	<u>Length of Stroke</u>	<u>Overall Length</u>
<b>MIL6509-22</b>	3/4"	17.3"



<b>Part No.</b>	<u>Solid Bit Capacity</u>	<u>Core Bit Capacity</u>
<b>MIL5363-21</b>	1"	2 1/2"

**Heavy-Duty 14" Dry Cut-off Machine**



<b>Part No.</b>	<u>Arbor Size</u>	<u>O.D. Pipe Diameter</u>
<b>MIL6190-20</b>	1"	5 3/8"

**Heavy-Duty Compact Electromagnetic Drill Presses**

- 26.5 lbs
- 90 AMPs



Part No.	Length	Speed RPM
MIL4270-20	9 3/8"	450
MIL4270-21	9 3/8"	450

**Steel Tank Vacuum Cleaner**

- Wet/Dry Pickup Capabilities
- Steel
- 16" dia tank
- 11 gallon capacity



Part No.	Max air flow Cu.Ft./min.	Sealed Suction in Water
MIL8911	94	84"
MIL8912	92	134"

**Adjustable Clutch Screwdrivers and Screwdriver Accessories**

- 6.5 AMPs



Part No	Bit Shank	Length
MIL6581-20	1/4" HEX	12 3/4"

**Stainless Steel Tank Vacuum Cleaner**

- Wet/Dry Pickup Capabilities
- Stainless Steel
- 16" dia tank
- 15 gallon capacity



Part No.	Max air flow Cu.Ft./min.	Sealed Suction in Water
MIL8925	92	134"

**Milwaukee® Diamond Drilling Rig**

- Part No.**      Description  
**MIL4120-22**    · Large base stand (4120)  
                      · Vac. Pump (49-50-0200)  
                      · Meter Box  
                      · Coring motor (4096)



**Milwaukee® Orbital Super-Sawzall™**

- Part No.**      Description  
**MIL6536-21**    · 13 Amp motor  
                      · 0-3000 RPM  
                      · 1 1/4" stroke  
                      · With Quik-Lok cord  
                      · Includes case



**Milwaukee® 7 1/4" Circular Saw Kit**

- Part No.**      Description  
**MIL6390-21**    · Tilt lok main handle  
                      · Blade right  
                      · Spindle lok button  
                      · Bevels to 50°  
                      · Comes with case & Carbide blade
- MIL6394-21**    · As above plus electric brake



**Milwaukee® 18 Gauge Shear**

- Part No.**      Description  
**MIL6850**        · 18 Ga. (.0478") steel  
                      · 20 Ga. (.0355") stainless  
                      · 360 swivel head  
                      · Trigger speed control  
                      · Cut 15' per minute



**Milwaukee®  
Deep Cut Band Saw**



<u>Part No.</u>	<u>Capacity Round</u>	<u>Length</u>
MIL6232-6	4 3/4"	19 3/4"

**Milwaukee® V28™  
Impact Wrench Kit**



<u>Part No.</u>	<u>Description</u>
MIL0779-22	<ul style="list-style-type: none"> <li>·Reversible battery pack</li> <li>·Non-Slip soft-grip handle</li> <li>·Magnesium gearcase</li> <li>·Flat head detent pin</li> <li>·1450 &amp; 0-2450 RPM</li> <li>·325 Ft. lbs. of torque</li> <li>·Hanger bracket with ring</li> <li>·Includes battery, charge &amp; case</li> </ul>

**Milwaukee® V28™  
Sawzall® Recip-Saw Kit**



<u>Part No.</u>	<u>Description</u>
MIL0719-22	<ul style="list-style-type: none"> <li>·1 1/8" stroke</li> <li>·2 speed gear box</li> <li>·with Quik-Lok™ blade clamp</li> <li>·Vari-Speed 2 finger trigger</li> <li>·Non-Slip soft-grip handle</li> <li>·Includes battery, charger, rip fence &amp; case</li> </ul>

**Milwaukee® V28™  
Deep Throat Band Saw Kit**



<u>Part No.</u>	<u>Description</u>
MIL0729-21	<ul style="list-style-type: none"> <li>·Cuts as fast as corded tool</li> <li>·LED light aids cutting</li> <li>·4 3/4" x 4 3/4" cutting capacity</li> <li>·Non-Slip soft-grip handle</li> <li>·2 Finger trigger speed control</li> <li>·2 speed gear box</li> <li>·200 Plus cuts of 1" conduit</li> <li>·Includes battery, charger &amp; case</li> </ul>

**Milwaukee® V28™  
1/2" Hammer Drill**



<u>Part No.</u>	<u>Description</u>
MIL0724-24	<ul style="list-style-type: none"> <li>·2 speed gear box</li> <li>·600 IN-lbs. of torque</li> <li>·20 clutch settings</li> <li>·1/2" keyless chuck</li> <li>·Reversible battery pack</li> <li>·Non-Slip soft grip handle</li> <li>·with Clip-Lok tool system</li> <li>·Includes battery, charger &amp; case</li> </ul>

**Milwaukee® V28™ Combo Tool Kit**



<u>Part No.</u>	<u>Description</u>
MIL0928-29	<ul style="list-style-type: none"> <li>·1/2" hammer drill</li> <li>·Sawzall® recip saw</li> <li>·6 1/2" circular saw</li> <li>·Work light</li> <li>·Charger, 2 batteries</li> <li>·Clip-Lok™ system</li> <li>·#2 Phillips Bit</li> <li>·6 1/2" 24T carbide blade</li> <li>·Rip Fence</li> <li>·2 pack sawzall blade</li> <li>·Heavy duty contractor bag</li> </ul>

**Milwaukee® V28™ 6 1/2"  
Circular Saw Kit**



<u>Part No.</u>	<u>Description</u>
MIL0724-24	<ul style="list-style-type: none"> <li>·with 24T carbide blade</li> <li>·with electric brake</li> <li>·Non-Slip soft grip handle</li> <li>·50° bevel capacity</li> <li>·Includes battery, charger, rip fence &amp; case</li> </ul>

**Milwaukee® Cordless  
Tool Accessories**



<u>Part No.</u>	<u>Description</u>
MIL48-11-1011	2.4v, NI-CAD battery
MIL48-11-1967	12v, 1.3Ah battery
MIL48-11-1970	12v, 2.4 Ah battery
MIL48-11-1014	14.4v, 1.7Ah battery
MIL48-11-1024	14.4v, 2.4Ah battery
MIL48-11-2230	18v, 2.4Ah battery
MIL48-11-2830	28v Lithium battery
MIL48-59-0300	2.4v 1 Hour charge
MIL48-59-0181	2.4v Vehicle charger
MIL48-59-0255	12v, 14.4 18v charger
MIL48-59-0186	12v, 14.4V 18v vehicle charger
MIL48-59-2801	28v charger

**Milwaukee®  
Job Site Radio**



**Part No.**      Description  
**MIL49-24-0200** · Operates on standard AC  
or Milwaukee® 12V, 14.4V  
or 18V battery packs  
· Batteries not included  
· AM/FM digital tuner

**Milwaukee®  
Close Quarter Drills**



<b>Part No.</b>	<u>Capacity</u>	<u>Spindle Diameter and Thread</u>	<u>Length</u>
<b>MIL0375-6</b>	3/8"	1/2" - 20"	6 1/2"

**SDS Plus Rotary Hammers**



<b>Part No</b>	<u>Capacity</u>	<u>Maximum Tightening Torque</u>	<u>Length</u>
<b>MILBHE22</b>	7/8"	97" lbs.	13"
<b>MILKHE26</b>	1"	142" lbs.	16 3/4"

**Hole-Hawg® Drill**



<b>Part No.</b>	<u>Capacity</u>	<u>Spindle Diameter</u>	<u>Length</u>
<b>MIL1675-6</b>	1/2"	5/8" round	6 1/2"



**Impact Hammer Drills**



<b>Part No.</b>	<u>Capacity</u>	<u>Maximum Tightening Torque</u>	<u>Length</u>
<b>MILSBE750</b>	3/4"	163/53" lbs.	13 1/2"

**Drywall Screwdriver**



<b>Part No.</b>	<u>Bit Shank Size</u>	<u>Length</u>
<b>MIL6742-20</b>	1/4" HEX	12 3/4"

**Angle Grinders**



<b>Part No.</b>	<u>Maximum Tightening Torque</u>	<u>Length</u>
<b>MILW6115</b>	14" lbs.	11"
<b>MILW7115</b>	19" lbs.	11"
<b>MILWP7115</b>	21" lbs.	12"
<b>MILW10125</b>	27" lbs.	12"

**Milwaukee®  
Diamond Coring Ring**

- Cast aluminum base with 4 leveling screws for fast accurate leveling adjustment
- Solid rubber 5" wheels



<b>Part No.</b>	<u>Description</u>	<u>Height</u>
<b>MIL4115-22</b>	Durable Precision-Ground 2 1/2" Steel Column	43 1/2"

## DEWALT

### XRP™ HAMMERDRILLS



1/2" (13mm) 18V Cordless Hammerdrill/Drill/Driver Kit    1/2" (13mm) 18V Cordless Hammerdrill/Drill/Driver Kit    1/2" (13mm) 14.4V Cordless Hammerdrill/Drill/Driver Kit    1/2" (13mm) 14.4V Cordless Hammerdrill/Drill/Driver Kit

SPECIFICATIONS	DC925KA/VA*	DC926KA/VA*	DC935KA/VA*	DC936KA/VA*
Voltage	<b>18V</b>	<b>18V</b>	<b>14.4V</b>	<b>14.4V</b>
Max.. Power	510 UWO	510 UWO	335 UWO	335 UWO
# of Speed Settings	3	3	3	3
Max.. RPM	0-450/0-1,500/0-2,000	0-450/0-1,500/0-2,000	0-450/0-1,450/0-1,800	0-450/0-1,450/0-1,800
Max.. BPM	0-7,650/0-25,500/0-34,000	0-7,650/0-25,500/0-34,000	0-7,650/0-24,650/0-30,600	0-7,650/0-24,650/0-30,600
Chuck Size	1/2"	1/2"	1/2"	1/2"
Chuck Type	Self-tightening	Self-tightening	Self-tightening	Self-tightening
Tool Weight	6.2 lbs	6.2 lbs	5.4 lbs	5.4 lbs
Charger/Batteries	1 hour / (2) 18V XRP™	1 hour / (2) 18V XRP™	1 hour / (2) 14.4V XRP™	1 hour / (2) 14.4V XRP™
Includes	360° side handle	360° side handle		

## DEWALT

### XRP™ DRILL/DRIVERS



1/2" (13mm) 18V Cordless Drill/Driver Kit    1/2" (13mm) 14.4V Cordless Drill/Driver Kit    1/2" (13mm) 12V Cordless Drill/Driver Kit

SPECIFICATIONS	DC920KA	DC930KA	DC940KA
Voltage	<b>18V</b>	<b>14.4V</b>	<b>12V</b>
Max. Power	510 UWO	335 UWO	290 UWO
# of Speed Settings	3	3	3
Max. RPM	0-450/0-1,500/0-2,000	0-450/0-1,450/0-1,800	0-450/0-1,450/0-1,800
Chuck Size	1/2"	1/2"	1/2"
Chuck Type	metal, single sleeve ratcheting	metal, single sleeve ratcheting	metal, single sleeve ratcheting
Tool Weight	6.0 lbs	5.3 lbs	5.0 lbs
Charger/Batteries	1 hour / (2) 18V XRP™	1 hour / (2) 14.4V XRP™	1 hour / (2) 12V XRP™
Includes	360° side handle		

## DEWALT

### SDS HAMMERS



36V Cordless 1" SDS Rotary Hammer Kit    24V Cordless 7/8" SDS Hammer Kit    18V Cordless 7/8" SDS Hammer Kit

SPECIFICATIONS	DC233KL	DC223KA	DC212KA
Voltage	<b>36V</b>	<b>24V</b>	<b>18V</b>
No Load Speed	0-1,150 rpm	0-1,100 rpm	0-1,100 rpm
Blows/Min	0-4,400 bpm	0-4,100 bpm	0-4,100 bpm
Concrete Maximum	1"	7/8"	7/8"
Concrete Optimum	1/4-5/8"	5/32"-1/2"	5/32"-1/2"
Tool Length	10.5"	10.5"	10.5"
Tool Weight	7.8 lbs	8.4 lbs	7.6 lbs
Charger/Batteries	1 hour / (2) 36V	1 hour / (2) 24V	1 hour / (2) 18V XRP™
Includes	360° side handle, depth rod	360° side handle, depth rod	360° side handle, depth rod

## DEWALT

### BATTERIES/ CHARGERS



CAT #	VOLTAGE	1 Hour Charger w/ Auto. Tune-Up™ Mode	Dual Port 1 Hour Charger	15 Minute Charger	Worksite Radio/Charger	1 Hour Fan Cooled Charger	1 Hour Charger	1 Hour Vehicle Charger	1 Hour Fan Cooled Vehicle Charger
		DW9116	DW9216	DW9117	DC011	DW0246	DC9000	DW9109	DW0249
DC9360	<b>36V</b>	X	X	X	X	X	60	X	X
DW0242	<b>24V</b>	X	X	X	X	60	X	X	60
DC9096	<b>18V</b>	60	60	20	60	X	X	60	X
DC9091	<b>14.4V</b>	60	60	20	60	X	X	60	X
DC9071	<b>12V</b>	60	60	20	60	X	X	60	X
DW9061	<b>9.6V</b>	45	45	15	45	X	X	45	X
DW9057	<b>7.2V</b>	30	30	12	30	X	X	30	X

**DEWALT**

**IMPACT DRIVERS**



KITBOX

**18V Cordless Impact Driver Kit**



KITBOX

**14.4V Cordless Impact Driver Kit**



KITBOX

**12V Cordless Impact Driver Kit**



KITBOX

**9.6V Cordless Impact Driver Kit**

SPECIFICATIONS	DW056K-2	DW054K-2	DW052K-2	DW050K-2
Voltage	<b>18V</b>	<b>14.4V</b>	<b>12V</b>	<b>9.6V</b>
Drive Size	1/4" hex shank	1/4" hex shank	1/4" hex shank	1/4" hex shank
	quick release	quick release	quick release	quick release
No Load Speed	0-2,400 rpm	0-2,400 rpm	0-2,400 rpm	0-2,400 rpm
Impacts/Min	0-3,000 bpm	0-3,000 bpm	0-3,000 bpm	0-3,000 bpm
Max. Torque	1,170 in-lbs	1,150 in-lbs	1,000 in-lbs	900 in-lbs
Max. Torque	98 ft-lbs	96 ft-lbs	83 ft-lbs	75 ft-lbs
Tool Length	6-1/2"	6-1/2"	6-1/2"	6-1/2"
Tool Weight	4.9 lbs	4.1 lbs	3.75 lbs	3.5 lbs
Charger/Batteries	1 hour / (2) 18V XRP™	1 hour / (2) 14.4V	1 hour / (2) 12V	1 hour / (2) 9.6V

**HITACHI**



Part No.	DV18DMR	DV14DMR	DS14DVF2	DS12DVF2	DN12DYK	DS9DVF2
No-Load Speed	0-400/1,800rpm	0-400/1,750rpm	0-400/1,200rpm	0-350/1,050rpm	0-800rpm	0-280/0-840rpm
Chuck/Arbor Size	1/2" Keyless	1/2" Keyless	3/8" Keyless	3/8" Keyless	3/8" Keyless	3/8" Keyless
Multi-Stage Clutch	Yes-22	Yes-22	Yes-22	Yes-22	N/A	Yes-22
Impact Rate	0-21,600bpm	0-21,000bpm	N/A	N/A	N/A	N/A
Max Torque	550in-lbs	460in-lbs	213in-lbs	195in-lbs	80in-lbs	168in-lbs
Capacity	Concrete: 5/8" Wood: 2" Steel: 1/2"	Concrete: 1/2" Wood: 9/16" Steel: 1-3/4"	Wood: 1" Steel: 15/32"	Concrete: 13/16" Steel: 15/32"	Wood: 11/16" Steel: 3/8"	Wood: 23/32" Steel: 3/8"
Battery Ah	3.0	2.0	1.2	1.2	2.0	1.2
Tool Weight	6.0 lbs	5.5 lbs	3.8 lbs	3.4 lbs	3.1 lbs	3.2 lbs



Part No.	G12SE2	G13SE2	G13SC2	G18SE3
Amps	9.5	9.5	11.0	15.0
Wheel Diameter	4-1/2"L	5"	5"	7"
Switch Type	Paddle	Paddle	Trigger	Trigger
Max Watts Out	1,900	1,200	2,100	2,300
No-Load Speed	10,000rpm	11,000rpm	10,000rpm	8,500rpm
Spindle Thread	5/8 x 11	5/8 x 11	5/8 x 11	5/8 x 11
Spindle Lock	Yes	Yes	Yes	Yes
Sealed Switch	Yes	Yes	Yes	Yes
Tool Length	12-5/8"	12-5/8"	15-13/32"	18-13/16"
Weight	4.2 lbs	4.2 lbs	6.2 lbs	11 lbs

### 7-1/4" Circular Saw

• Built-in LED Job Light



**Part No.**  
5007F  
5007FA  
5007FK  
5007FAK

All 5007F Series tools feature an on board L.E.D. light illuminating the cutting line

- LED light switch operates independently from the trigger
- Flat motor housing increases stability when changing blades
- Heavy gauge aluminum base with ruler markings

**STANDARD EQUIPMENT**

**5007F INCLUDES:** 24T Carbide tipped blade (721262-C), Wrench #13 (782016-4), Rip fence (164095-8)

**5007FA INCLUDES:** Same as 5007F, plus electric blade brake

**5007FK INCLUDES:** Same as 5007F, plus plastic carrying case (824473-1)

**5007FAK INCLUDES:** Same as 5007F, plus electric blade brake & Plastic carrying case (824473-1)

**SPECIFICATIONS**

Blade diameter	7-1/4" (185 mm)
Arbor	5/8" (16 mm)
Max. cutting capacities:	
90°	2-3/8" (60 mm)
45°	1-3/4" (46 mm)
No load speed	5,800 RPM
AMPS (120 V)	15.0
Overall length	12" (305 mm)
Net weight	11.1 lbs. (5 kg)
Shipping weight:	
5007F / 5007FA	15.4 lbs. (7.0 kg)
5007FK / 5007FAK	16.1 lbs. (7.3 kg)

### 2-1/4 H.P. Router

• Electronic Speed Control



**Part No.**  
RD1101

Accepts standard sized router template guides

- Electronic speed control maintains constant speed even under load
- Sub-base accepts industry standard template guides
- Durable flat top for stability when changing bits
- Soft start feature for smooth start-ups
- Industrial cam-lock for fast and easy depth adjustment and removal of motor

**STANDARD EQUIPMENT**

**INCLUDED:** 1/4" Collet cone (193214-9), 1/2" Collet cone (193215-7), 2 Ea. wrench 27 (781031-5), wrench 8 (781213-9)

**SPECIFICATIONS**

Collet capacities	1/2" & 1/4"
No load speed	8000 - 24,000 RPM
AMP (120 V)	11.0
Overall height	8-3/4" (223 mm)
Net weight	7.9 lbs. (3.6 kg)
Shipping weight	12.7 lbs. (5.8 kg)

### 3/8" X 21" Belt Sander

• Electronic, Variable Speed



**Part No.**  
9032

Power File/Sander enables work in awkward, confined areas

- Range of sanding arms and sanding belt widths, 1/4", 3/8", 1/2"
- Precise adjustment for the belt with knob on the sander
- Belt can be easily replaced by pulling lever on the tool
- Sanding arms can be swiveled 90° - 10°
- Convenient slim tension roller with a diameter of only 14 mm enables you to do sanding and filing in confined spots
- Dust-free work with optional dust extraction system

**STANDARD EQUIPMENT**

**INCLUDED:** Abrasive belt 2/Pk of 10 (A-3446/9), Arm assembly 3/8" x 21" (125158-5)

**SPECIFICATIONS**

Belt size	3/8" x 21" (9 mm x 533 mm)
Belt speed	980 - 5,600 ft/min
Max. sanding depth	4-5/16" (110 mm)
AMPS (120 V)	5.0
Overall length	16-1/2" (420 mm)
Net weight	3.3 lbs. (1.5 kg)
Cord length	8.2 ft. (2.5 m)
Shipping weight	6.3 lbs. (2.9 kg)

**OPTIONAL EQUIPMENT**

1/4" Arm assembly (125127-7)  
1/2" Arm assembly (125159-3)

### 4" X 24" Belt Sander



**Part No.**  
9403

Dust bag swivels 360° for more convenient operation

- Powerful motor for high production use
- Design allows flush sanding to walls
- Large front grip is positioned for operator comfort
- Cord is located on the upper portion of the handle for operator convenience

**STANDARD EQUIPMENT**

**INCLUDED:** Abrasive belt (80 grit; 742122-9), Dust bag (122562-9)

**SPECIFICATIONS**

Belt size	4" x 24" (100 mm x 610 mm)
Belt speed	1,640 ft/min
AMPS (120 V)	11.0
Overall length	13-7/8" (353 mm)
Cord length	16.4 ft. (5 m)
Net weight	13.0 lbs. (5.9 kg)
Shipping weight	15.4 lbs. (7.0 kg)

**Makita**

### 14" Portable Cut-off Saw

• Mitres 45° Left and Right



**Part No.**  
2414DB

**AC/DC**

- Quick release vice
- Lock-off button
- Guide plate adjusts 45° right and left and moves to 3 locations for various sizes of materials
- Spark guard for operators safety
- Adjustable depth stop for precise, repeatable cutting depth

**STANDARD EQUIPMENT**

**INCLUDED:** 1 Ea. Abrasive wheel (A-90168), Socket wrench (782210-8), 2 Ea. Lock off button (411478-6), Quick vise (134548-1), Adapter ring (257185-5)

**SPECIFICATIONS**

Blade diameter	14" (355 mm)
Arbor	1" (26 mm)
No load speed	3,800 RPM
AMPS (120 V)	15.0
Overall length	19-3/4" (500 mm)
Net weight	36.6 lbs. (16.7 kg)
Shipping weight	43.0 lbs. (19.5 kg)

### 5" Random Orbit Sander

• Electronic Speed Control



**Part No.**  
BO5012K

**Hook and Loop Pad**

- Ergonomically designed rubberized palm grip
- Fast random-orbit action for aggressive sanding
- Efficient through-the-pad dust collection system

**STANDARD EQUIPMENT**

**INCLUDED:** 1 ea. Abrasive disc #120 (794520-1), Dust bag (166047-5), Plastic carrying case (824562-2)

**SPECIFICATIONS**

Pad diameter	4-13/16" (122 mm)
Abrasive disc diameter	5" (127 mm)
Orbits per minute	4,000 - 12,000 OPM
Orbit diameter	1/8" (32 mm)
AMPS (120 V)	2.0
Overall length	7-1/16" (179 mm)
Net weight	2.6 lbs. (1.2 kg)
Shipping weight	6.2 lbs. (2.8 kg)

**1/2" Cordless Hammer Driver Drill**

· Variable 3-Speed, Reversible



**Part No.**  
**BHP451**

Features new Lithium-Ion Battery (LXT)

Hammer with Rotation / Rotation only

- 16 torque settings; delivers up to 560 in./lbs. of torque
- Three speed gearing for more efficiency
- Two built in L.E.D. lights
- Shift lock drive converts from Hammer to Drill to Driver mode
- All metal gears for more efficient power transmission
- Ergonomic soft grip design for vibration absorption and comfortable operation

**STANDARD EQUIPMENT**

**INCLUDED:** 2 Ea. 18 VDC (3.0Ah) Li-Ion batteries (BL1830 (194205-3)), Charger DC18SC (194214-2), Grip (122759-8), Plastic carrying case (824754-3), 2 Bits 2-45 (784637-8), Depth gauge (122576-4)

**SPECIFICATIONS**

Battery	18 VDC (3.0 Ah) Li-Ion
Capacities: Steel	1/2" (13 mm)
Masonry	5/8" (15.8 mm)
No load speed: 1st speed	0 - 300 RPM
2nd speed	0 - 600 RPM
3rd speed	0 - 1,700 RPM
Maximum torque	560 in./lbs.
Overall length	9-7/8" (250 mm)
Net weight	4.9 lbs. (2.2 kg)
Shipping weight	14.4 lbs. (6.5 kg)

**1/2" Cordless Driver Drill**

Variable speed, Reversible



**Part No.**  
**BDF450**

Features New Lithium-Ion Battery (LXT)

- 16 torque settings; delivers up to 320 in./lbs. of torque
- All metal gears for more efficient power transmission
- Ergonomic soft grip design for vibration absorption and comfortable operation

**STANDARD EQUIPMENT**

**INCLUDED:** 2 Ea. 18 VDC (3.0Ah) Li-Ion batteries (BL1830 (194205-3)), Charger DC18SC (194214-2), Phillips Bit 2-65 (784203-1), 1/2" Keyless Drill Chuck (763193-1), Plastic carrying case (824753-5)

**SPECIFICATIONS**

Battery	18 VDC (3.0 Ah) Li-Ion
Capacities: Steel	1/2" (13 mm)
Wood	1-1/16" (27mm)
No load speed: High	0 - 1,400 RPM
Low	0-400 RPM
Maximum torque	320 in./lbs
Overall length	7-3/8" (186 mm)
Net weight	3.7 lbs (1.7 kg)

**Cordless Hybrid™ Impact-Hammer-Driver-Drill**

· 4-Function 1/4" Hex Drive



**Part No.**  
**BTP130**  
**BTP130Z**

Features new Lithium-Ion Battery (LXT)

- Impact Driver, Hammer Drill, Drill and Screwdriver all packed in one
- One touch mode selection provides ultimate versatility
- Built in LED job light

**STANDARD EQUIPMENT**

**INCLUDED:** 2 Ea. 14.4V (3.0Ah) Li-Ion Batteries (BL1430 (194066-1)),

Charger DC18SC (194213-4), Plastic carrying case (824753-3)

**INCLUDED:** (BTP130Z) Tool Only, Battery and Charger Sold Separately

Shown with optional bit

**SPECIFICATIONS**

Battery	14.4 VDC (3.0 Ah) Li-Ion
Hex shank	1/4"
Impacts per minute: Impact driver mode	0-3,200 ipm
Hammer drill mode	28,800 ipm
No load speed: Impact driver mode	0-2,400 RPM
Drill mode (hi/lo)	0-2,400 / 0-700 RPM
Screwdriver mode	0-2,400 RPM
Maximum fastening torque: Impact driver mode	1,200 in./lbs (135 N-m)
Drill mode	89 in./lbs (10 N-m)
Overall length	7-3/8" (186 mm)
Net weight	3.8 lbs. (1.7 kg)

**5/8" Cordless Rotary Hammer**

**Part No.**  
**BHR162**  
**BHR162Z**



SDS-Plus Shank

Hammering & Rotation / Rotation only

- Built in torque limiter stops drill bit rotation if bit hits reinforcements
- 360° swivel side handle
- Ergonomic soft grip design
- Built in LED job light

**STANDARD EQUIPMENT**

**INCLUDED:** 2 Ea. 14.4 VDC (3.0Ah) Lithium-Ion Batteries (BL1430 (194066-1)),

Charger (DC18SC), Side handle, Depth gauge (415486-9),

Plastic carrying case (824765-8)

**INCLUDED:** (BHR162Z) Tool Only, Battery and Charger Sold Separately

Shown with optional bit

**SPECIFICATIONS**

Battery	14.4 VDC (3.0 Ah) Li-Ion
Capacities: Steel	1/2" (13 mm)
Wood	5/8" (16 mm)
Masonry	5/8" (16 mm)
No load speed	0-1,500 RPM
Blows per minute	0-5,000 BPM
Overall length	11-11/16" (296 mm)
Net weight	4.6 lbs. (2.1 kg)

**3/4" Impact Wrench**

· Reversible



**Part No.**  
**6906**

Square Drive

- Hi-tech motor for heavy duty applications
- Rocker type reversing switch for easy one handed forward/reverse operation
- Side handle Adjusts 360° for operator convenience at any angle
- Heavy duty rubber bumper in front

**STANDARD EQUIPMENT**

**INCLUDED:** Steel carrying case (182604-1), Grip assembly (122464-9)

Shown with optional socket

**SPECIFICATIONS**

Square drive	3/4"
Capacities: Bolt size	5/8" - 7/8" (16 mm - 22 mm)
Impacts per minute	1,600 IPM
No load speed	1,700 RPM
Fastening Torque	433 ft. /lbs. (587 N-m)
AMPS (120 V)	9.0
Overall length	12-7/8" (327 mm)
Net weight	11.0 lbs. (5.0 kg)
Shipping weight	21.0 lbs. (9.5 kg)

**1/2" Drill**

Reversible



**Part No.**  
**6013BR**  
**6013BRK**

Unique design and handle positioning for a variety of mixing and drilling applications

- Rocker switch for easy one handed reversing
- 550 RPM with double gear reduction for added torque
- Rear handle rotates 360°

**STANDARD EQUIPMENT**

**6013BR INCLUDES:** Side handle (152492-0), Drill chuck (763047-2A),

Chuck key (763411-7A)

**6013BRK INCLUDES:** Same as 6013BR plus plastic carrying case (824440-6)

**SPECIFICATIONS**

Capacities: Steel	1/2" (13 mm)
Wood	1-3/8" (36 mm)
No load speed	550 RPM
AMPS (120 V)	6.3
Overall length	13-3/8" (340 mm)
Net weight	6.2 lbs. (2.8 kg)
Shipping weight: 6013BR	7.5 lbs. (3.4 kg)
6013BRK	12.0 lbs. (5.4 kg)

**169 cc Inverter  
Generator /2 800W**  
*Electronic Start*



**Part No.**  
**G2800I**

- Receptacles: Duplex 120 V (20 AMP), Locking 120 V (20 AMP),
- GENERATOR  
Brushless design, Full copper windings  
AC & DC circuit breakers
- 4 STROKE ENGINE - 10W-30 oil  
Recoil starter  
Idle switch features full power mode, Low oil automatic shut-off  
Auto decompression / Electronic Ignition

STANDARD EQUIPMENT  
INCLUDED: Tool-kit (277-90301-10)

**SPECIFICATIONS**

Output current (120 V)	2 800 W (23.3 AMP)
AC Voltage	60 Hz (120 V/ 240 V)
DC Voltage	12 VDC (8.3 AMP)
Displacement	169 cc.
Max. power	6.0 HP
No load speed	3,600 RPM
Fuel tank capacity	3.4 Gal (15.0 L)
Continuous operation	9.1 hrs. (at high RPM)
Noise level	67 db
Dimensions (L x W x H)	19.2" x 17" x 18.7"
Dry weight	82 lbs. (37 kg)

**7.5 H.P. Water & Trash Pump**



**Part No.**  
**EW320R**

- 92" Total Head (Total height at sea level, to which water can be raised above original water level)
- For pumping water with solid objects up to 1-7/32" diameter
- Mechanical seal made of Silicone-Carbide
- Impeller made from high chrome cast iron
- Super low noise muffler
- Electronic sensor shuts off engine if oil is low
- Cover plate easily removes for inspection or servicing
- Powered by Robin Engines, Engine model # EY280,B

STANDARD EQUIPMENT  
INCLUDED: Wrench kit (EY234-90301-00), Strainer (10481-00000-25)

**SPECIFICATIONS**

Suction / discharge diameter	3" (76.2 mm)
Total head	92' (28 m)
Suction head	26' (7.8 m)
Max. pumping capacity:	
Liters per hour	77,900 LPH
Gallons per hour	20,580 GPH
Maximum power	7.5 H.P.
Fuel mix	No fuel mixing
4-Stroke oil	10W-30
Fuel tank capacity	1.2 Gal. (5.5 L)
Dimensions (L x W x H)	27.2" x 19.1" x 23.6"
Weight	99.2 lbs. (45 kg)



**Air Compressor Kit**  
*• Oil Lubricated, quieter operation*



**Part No.**  
**MAC5200KIT3**  
**MAC5200KIT2**  
**MAC5200KIT1**

- MAC5200KIT3 INCLUDES:
- 3 HP AIR Compressor (MAC5200)
  - 3-1/2" Framing Nailer 15" Round Head (AN901)

- MAC5200KIT2 INCLUDES:
- 3 HP AIR Compressor (MAC5200)
  - 3-1/2" Framing Nailer 31" Round Head (AN942)

- MAC5200KIT1 INCLUDES:
- 3 HP AIR Compressor (MAC5200)
  - 3-1/2" Framing Nailer 22" Round Head (AN922)

ALL MODELS INCLUDE: 50' P.V.C. Air Hose (YYVAH50)  
1/4" x 1/4" Female coupler (YY311018-A),  
1/4" x 1/4" Air fitting/Female (YY311002-A/B)

**SPECIFICATIONS**

Motor	3.0 H.P.
Pump	Oil-lubricated
Tank	5.2 gal ( 19.7 L)
Performance (90 PSI)	6.5 CFM
Noise level	90 dB
AMPS (120 V)	13.8
Dimensions: (L x W x H, with handle folded)	
29" x 19" x 19 - 1/2" (737 mm x 483 mm x 495 mm)	
Maximum pressure	140 PSI
Net weight	88.0 lbs. (39.9 kg)
Shipping weight	106.0 lbs. (48.1 kg)

**4"/4-1/2"/5" Angle Grinder**  
*• Labyrinth Construction, Variable Speeds*



**Part No.**  
**9556PB**  
**9557PB,**  
**9557PBK**  
**9558PB**

- "SJS" spring clutch protects the operator from accidental wheel lock
- Labyrinth construction seals motor and bearings from contamination
- Removable side handle can be mounted on either side
- Conveniently located thumb switch for operator comfort
- Electronic limiter, stops the electric current when accidental overload on the machine, and protects motor from burning

STANDARD EQUIPMENT  
INCLUDED: Side handle (152490-4), 4-1/2" Grinding wheel 36 grit (741458-1), Lock nut wrench 28 (782412-6), Wheel cover (163418-7), Inner flange (224368-2), Lock nut 5/8-11 (224566-8)

**SPECIFICATIONS**

Max. Capacities:	
Grinding wheel	4-1/2" (115 mm)
Wire brush	3" (75 mm)
Diamond wheel	4-1/2" (115 mm)
Spindle thread	5/8" - 11 UNC
No load speed	2,800 - 11,000 RPM
AMPS (120 V)	12.0
Overall length	11-3/4" (299 mm)
Net weight	4.0 (1.8 kg)
Shipping weight	7.7 lbs. (3.5 kg)

**5" Angle Grinder**  
*AC/DC*



**Part No.**  
**9005B**  
**9005BY**  
**9005BZ**

- Makita's most popular 5" Grinder
- 9005B Features lock-on button
- 9005BY Features lock-off button
- 9005BZ Features two stage safety switch
- Powerful 10 AMP motor yet light weight for high production work with less fatigue

STANDARD EQUIPMENT  
9005B/ 9005BY/ 9005BZ INCLUDES: 5" Grinding wheel 24 grit (741407-B), Wheel guard (164554-2), Side handle (152492-0), Inner flange (224368-2), (9005BY Inner Flange) 45 (224378-9), Lock nut (224568-4), Lock nut wrench (782412-6)

**SPECIFICATIONS**

Max. Capacities:	
Grinding wheel	5" (125 mm)
Wire cup brush	3-1/2" (90 mm)
Sanding disc	5" (125 mm)
Spindle thread	5/8" - 11 UNC
No load speed	10,000 RPM
AMPS (120 V)	10.0
Overall length	14" (356 mm)
Net weight	6.6 lbs. (3.0 kg)
Shipping weight	8.5 lbs. (3.9 kg)

**1/2" Impact Wrench**  
*Reversible*



**Part No.**  
**6905B**

- Square Drive
- Precision machined gears for long life and production usage
- Convenient rocker switch for easy reversing
- Heavy duty rubber bumper in front

STANDARD EQUIPMENT  
INCLUDED: Tool only  
Shown with Optional Socket

**SPECIFICATIONS**

Square drive	1/2"
Capacities:	
Bolt size	1/2" - 3/4" (13 mm - 20 mm)
Impacts per minute	2,000 IPM
No load speed	1,700 RPM
Fastening Torque	217 ft. /lbs. (294 N-m)
AMPS (120 V)	4.0
Overall length	10-1/4" (270 mm)
Net weight	6.0 lbs. (2.7 kg)
Shipping weight	7.0 lbs. (3.2 kg)


## CORDLESS POWER TOOL ACCESSORIES

### BATTERIES & CHARGER'S



Voltage	Ah	Type	Style	Model	Part No.	
<b>24V</b>						
24 V	2.0 Ah	MAKSTAR	MAKSTAR	B2420	193737-7	
24 V	3.3 Ah	Ni-MH	MAKSTAR	B2433	193740-8	
<b>18V</b>						
18 V	1.3 Ah	Ni-Cad	Pod	PA18	194227-3	TWIN PACK
18 V	2.0 Ah	Ni-Cad	Pod	1822	192827-3	
18 V	2.6 Ah	Ni-MH	Pod	1834	193159-1	
18 V	3.0 Ah	Ni-MH	Pod	1835	193140-2	
18 V	1.5Ah	Li-Ion	Slide	BL1815	195309-1	
18 V	3.0 Ah	Li-Ion	Slide	BL1830	194205-3	
18 V	3.0 Ah	Li-Ion	Slide	BL1830	194230-4	TWIN PACK
<b>14.4V</b>						
14.4 V	1.3 Ah	Ni-Cad	Pod	PA14	638350-9-2	TWIN PACK
14.4 V	2.0 Ah	Ni-Cad	Pod	1422	192600-1	
14.4 V	2.6 Ah	Ni-MH	Pod	1434	193158-3	
14.4 V	2.7 Ah	Ni-MH	MAKSTAR	BH1427	193992-1	
14.4 V	3.0 Ah	Ni-MH	Pod	1434	193139-7	
14.4 V	3.0 Ah	Li-Ion	Slide	BL1430	194066-1	
14.4 V	3.0 Ah	Li-Ion	Slide	BL1430	194397-8	TWIN PACK
<b>12V</b>						
12 V	1.3 Ah	Ni-Cad	Pod	PA12	638347-8-2	TWIN PACK
12 V	1.3 Ah	Ni-Cad	Hybrid Stick	1210	632277-5	
12 V	1.3 Ah	Ni-Cad	Pod	1220	192681-5	
12 V	3.3 Ah	Ni-MH	MAKSTAR	BH1233	193349-6	
12 V	1.3 Ah	Ni-Cad	Pod	1250	193969-6	
12 V	2.0 Ah	Ni-Cad	Pod	1202	192536-4	
12 V	2.0 Ah	Ni-Cad	Pod	1222	192598-2	
12 V	3.0 Ah	Ni-MH	Pod	1235	193138-9	
12 V	2.0 Ah	Ni-MH	MAKSTAR	BH1220	193346-2	
12 V	2.6 Ah	Ni-MH	Pod	1234	193157-5	
12 V	3.3 Ah	Ni-MH	MAKSTAR	BH1233	193349-6	
<b>9.6V</b>						
9.6 V	1.3 Ah	Ni-Cad	Stick	9000	632007-4	TWIN PACK
9.6 V	1.3 Ah	Ni-Cad	Pod	PA09	638344-4-2	
9.6 V	1.3 Ah	Ni-Cad	Pod	9100	192019-4	
9.6 V	1.3 Ah	Ni-Cad	Pod	9120	192638-6	
9.6 V	2.0 Ah	Ni-MH	MAKSTAR	BH9020A	193531-7	
9.6 V	2.0 Ah	Ni-Cad	Stick	9002	192533-0	
9.6 V	2.0 Ah	Ni-Cad	Pod	9122	192596-6	
9.6 V	2.6 Ah	Ni-MH	Pod	9134	193156-7	
9.6 V	3.0 Ah	Ni-MH	Pod	9135	193137-1	
9.6 V	2.0 Ah	Ni-MH	Makstar	BH9020A	193531-7	
9.6 V	3.3 Ah	Ni-MH	Makstar	BH9033A	193536-7	
<b>7.2V</b>						
7.2 V	1.3 Ah	Ni-Cad	Stick	7000	632002-4	
7.2 V	2.0 Ah	Ni-Cad	Stick	7002	192532-2	
7.2 V	1.0 Ah	Li-Ion	Stick	BL7010	194356-2	

	Voltage Range	Ah	Type	Part No.	Description
<b>MAKSTAR</b> Adaptors and Accessories	7.2 V - 24 V	1.3 Ah - 3.3 Ah	Ni-Cad & Ni-MH	DC24SA	
	-	-	Ni-Cad & Ni-MH	193205-0	ADP 01 - Adapts MAKSTAR charger to charge reg. Makita bats
	-	-	Ni-MH	193681-8	ADP 03 - Reads and refreshes MAKSTAR batteries
	-	-	-	193689-2	B&P 24 - 24 V Battery belt mount
<b>STANDARD</b>	7.2 V - 14.4 V	1.3 Ah - 3.0 Ah	Ni-Cad & Ni-MH	DC1414	-
	7.2 V - 18 V	1.3 Ah - 3.0 Ah	Ni-Cad & Ni-MH	DC1804	-
<b>RAPID</b>	9.6 V - 14.4 V	1.3 Ah - 3.0 Ah	Ni-Cad & Ni-MH	DC1439	Rapid Charger
<b>AUTOMOTIVE</b>	7.2 V - 18 V	1.3 Ah - 3.0 Ah	Ni-Cad & Ni-MH	DC1822	-
<b>BUILD IN</b>	4.8 V	1.3 Ah	Ni-Cad	CACDC4100	-
	7.2 V	1.3 Ah	Ni-Cad	113051-5	DC7020
<b>Li-Ion</b>	7.2 V - 18 V	1.3 - 3.0 Ah	Li-Ion/ Ni-Cd / NiMH	DC18RA	Charges Li-Ion Next Generation Batteries
	7.2 V - 18 V	1.3 - 3.3 Ah	Li-Ion/ Ni-Cd / NiMH	DC18SC	



**(UNIVERSAL)**  
Battery Adapter 193205-0  
To Charge Pod Style Ni-MH  
Batteries

**Airtools JET**

**3/4" Square Drive  
 Impact Wrench  
 YW19CP (400303)  
 Standard Duty**

- For automotive, farm maintenance and light industrial uses
- Maximum Torque: 500 FT - LBS



**1/2" Square Drive  
 Impact Wrench  
 AW500HD (400239)  
 Standard Duty**

- For automotive applications and general shop use
- High power to weight ratio
- Maximum Torque: 320 FT - LBS



**5" High Speed Sander  
 VS125A (403102)**

- Complete with 3", 4-1/2" and 5" backing plates
- Built-in power regulator



<u>Part No.</u>	<u>Backing Plate</u>
905301	3"
905302	4-1/2"
905303	5"

**Orbital Sander  
 OS232 (403303)**

- Ideal for finishing furniture and auto body repair
- Uses 3-3/4" x 9" abrasive strips



<u>Part No.</u>	<u>Description</u>
905311	Pad assembly

**4" Angle Grinder  
 AG40L (402304)**

- Light weight
- Side handle, guard, wrenches, grinding wheel



**5" Heavy Duty Angle Grinder  
 AG50SD (402312)**

- Powerful .9 horsepower motor design for heavy duty industrial jobs
- 5" air angle grinder
- Side handle, guard, wrenches



**3/8" Reversible Drill  
 ADX38OR (404415)  
 Standard Duty**

- Excellent for a wide range of drilling jobs



**1/2" Reversible Drill  
 AD12HDR (404425)  
 Heavy Duty -  
 with keyless chuck**

- 800 R.P.M
- Ball and needle bearing construction
- Minimum hose size is 3/8"



<u>Part No.</u>	<u>Chuck Capacity</u>	<u>Spindle Size</u>
404415	3/8"	3/8" - 24
404419	3/8"	3/8" - 24
404423	1/2"	3/8" - 24
404424	1/2"	3/8" - 24

**16" Scroll Saws**

- Capacity - 16"
- Maximum thickness - 2"
- Blade Length - 5"
- Motor - 1.5 Amp.

**Part No.**  
**KC-161SSC**



**6" x 48" Belt & 9" Disc Sander**

- Belt - 6" x 48"
- Disc - 9"
- Voltage - 110 V, 1 phase, 60Hz
- Motor - 8.5 Amp.

**Part No.**  
**KC-706L**



**8" Drill Press**

- Chuck Capacity - 1/2"
- Swing - 8"
- Stroke - 2"
- Table Size - 6 1/2" x 6 1/2"
- Voltage - 110V, 1 phase, 60Hz
- Motor - 2.5 Amp.

**Part No.**  
**KC-108C**



**6" Woodworking Jointer**

- Capacity - 6"
- Diameter of the cutterhead - 2 1/2"
- Voltage - 110/220 V, 1 phase, 60Hz
- Motor - 15 Amp. @110V  
7.5 Amp. @220V

**Part No.**  
**KC-150C**



**Dust Collector**

- Air Suction - 600 (CFM / Pi. <sup>3</sup> min)
- Static Pressure (inch of water) - 8.5
- Voltage - 110 V, 1 phase, 60Hz
- Motor - 1 HP / CV

**Part No.**  
**KC-2105C**

