

Carbide Tipped Bell Hanger Bit

- Used with rotation only machines equipped with a three jaw Jacobs type chuck.
- Drills have a hole in flute section for pulling wire through after holes are drilled.
- Used for drilling in soft or brittle masonry materials such as block or brick.
- $\frac{1}{2}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ " Bell Hangers have a $\frac{3}{8}$ " reduced shank.



PART NUMBER	DRILL SIZE	TWIST LENGTH	OVERALL LENGTH	CARTON QTY
52300	$\frac{1}{4}$ "	8"	13"	6
52301	$\frac{5}{16}$ "	8"	13"	6
52302	$\frac{3}{8}$ "	8"	13"	6
52303	$\frac{1}{2}$ "	8"	13"	6
52304	$\frac{3}{4}$ "	8"	13"	2
52305	$\frac{1}{4}$ "	14"	18"	6
52306	$\frac{5}{16}$ "	14"	18"	6
52307	$\frac{3}{8}$ "	14"	18"	6
52308	$\frac{1}{2}$ "	14"	18"	6
52318	$\frac{5}{8}$ "	14"	18"	2
52309	$\frac{3}{4}$ "	14"	18"	2
52310	$\frac{1}{4}$ "	20"	24"	4
52311	$\frac{5}{16}$ "	20"	24"	4
52312	$\frac{3}{8}$ "	20"	24"	4
52313	$\frac{1}{2}$ "	20"	24"	4
52314	$\frac{3}{8}$ "	28"	30"	4
52315	$\frac{1}{2}$ "	28"	30"	4



Slow Spiral Drill Bit

- Used with rotation only machines equipped with a three jaw Jacobs type chuck.
- Used for drilling in soft or brittle masonry materials such as block or brick.
- Slow spiral flute provides extra strength and quick dust removal.
- Tempered body for increased durability.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	SHANK DIAMETER	CARTON QTY
50300	1/8"	3"	1/8"	50
50301	3/16"	4"	3/16"	50
50302	1/4"	4"	1/4"	35
50303	5/16"	4"	1/4"	25
50304	3/8"	4"	1/4"	20
50305	1/2"	4"	1/4"	20
50306	5/8"	4"	1/4"	50
50307	3/16"	6"	3/16"	50
50308	1/4"	6"	1/4"	50
50309	5/16"	6"	1/4"	20
50310	3/8"	6"	1/4"	20
50311	7/16"	6"	1/4"	20
50312	1/2"	6"	3/8"	20
50313	9/16"	6"	3/8"	20
50314	5/8"	6"	3/8"	6
50315	1/4"	12"	1/4"	6
50316	5/16"	12"	1/4"	6
50317	3/8"	12"	3/8"	6
50318	1/2"	12"	3/8"	4
50319	5/8"	12"	3/8"	6
50320	1/4"	18"	1/4"	6
50321	5/16"	18"	5/16"	6
50322	3/8"	18"	3/8"	6
50323	1/2"	18"	3/8"	4
50324	5/8"	18"	3/8"	4
50325	3/4"	18"	3/8"	4
50335	7/8"	18"	3/8"	4
51370	1"	18"	3/8"	4
51326	1/4"	36"	1/4"	4
51327	5/16"	36"	5/16"	4
51328	3/8"	36"	3/8"	4
51329	1/2"	36"	3/8"	4
51340	5/8"	36"	3/8"	4
51341	1/2"	48"	1/4"	4
51342	5/16"	48"	5/16"	4
51343	3/8"	48"	3/8"	4
51344	1/2"	48"	3/8"	4

Fast Spiral Drill Bit

- Used with rotation only machines equipped with a three jaw Jacobs type chuck.
- Used for drilling in soft or brittle masonry materials such as block or brick.
- Tempered body for increased durability.

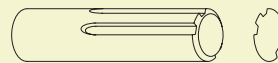


PART NUMBER	DRILL SIZE	OVERALL LENGTH	SHANK DIAMTER	CARTON QTY
50100	3/16"	4"	3/16"	50
50101	1/4"	4"	1/4"	35
50102	5/16"	4"	1/4"	25
50103	3/8"	4"	1/4"	20
50104	1/2"	4"	1/4"	20
50105	1/4"	6"	1/4"	50
50106	5/16"	6"	1/4"	50
50107	3/8"	6"	1/4"	20
50108	1/2"	6"	3/8"	20
50113	1/4"	12"	1/4"	6
50114	5/16"	12"	5/16"	6
50115	3/8"	12"	3/8"	6
50116	1/2"	12"	1/2"	6
50109	1/4"	18"	1/4"	6
50110	5/16"	18"	5/16"	6
50111	3/8"	18"	3/8"	6
50112	1/2"	18"	3/8"	6



Rotary Hammer Drill Bit for SDS Plus

- Used in a rotary hammer machine equipped with a SDS (Slotted Drive Shaft) chuck.
- Used for high speed drilling in masonry, stone, brick, and aggregates.
- The double fast-spiral fluting is designed to efficiently remove dust, resulting in faster drill time and less bind in the hole.
- The unique shank configuration fits most models of rotary hammer drills providing maximum drilling torque.
- Constructed from tungsten for extra long life.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	DRILL DEPTH	CARTON QTY
52100	5/32"	4 1/2"	2"	50
52101	5/32"	6 1/2"	4"	50
52102	3/16"	4 1/2"	2"	50
52103	3/16"	6 1/2"	4"	50
52104	3/16"	8"	6"	6
52105	3/16"	10"	7 1/2"	6
52106	3/16"	12"	9"	6
52107	3/16"	14"	12"	6
52108	3/16"	16 1/2"	14"	6
52109	7/32"	4 1/2"	2"	25
52110	7/32"	6 1/2"	4"	25
52111	7/32"	8 1/2"	6"	6
52112	7/32"	10"	7 1/2"	6
52113	7/32"	11"	9"	6
52114	7/32"	14"	12"	6
52115	7/32"	16"	14"	6
52116	1/4"	4 1/2"	2"	20
52117	1/4"	6 1/2"	4"	20
52118	1/4"	9"	6"	6
52119	1/4"	10"	7 1/2"	6
52120	1/4"	14"	11"	6
52121	1/4"	20"	17"	4
52122	5/16"	4 1/2"	2"	20
52123	5/16"	6 1/2"	4"	20
52124	5/16"	9"	6 1/2"	6
52155	5/16"	18"	14"	6
52125	3/8"	6 1/2"	4"	10
52126	3/8"	9"	6"	6
52127	3/8"	14"	11"	6
52128	3/8"	18"	14"	6
52160	7/16"	9"	4"	6
52129	7/16"	9"	6"	6
52130	7/16"	14"	11"	6
52170	7/16"	18"	14"	6
52131	1/2"	6 1/2"	4"	10
52132	1/2"	9"	6"	6
52133	1/2"	10"	7 1/2"	6
52134	1/2"	14"	10"	6
52135	1/2"	18"	14"	6
52136	1/2"	22"	18"	4
52137	9/16"	9"	6"	6
52138	5/8"	6 1/2"	4"	10
52139	5/8"	9"	6"	4
52140	5/8"	14"	10"	2
52141	5/8"	18"	14"	2
52142	5/8"	22"	18"	2
52143	1 1/16"	9"	5 1/2"	4

Rotary Hammer Drill Bit for SDS Plus (continued)

PART NUMBER	DRILL SIZE	OVERALL LENGTH	DRILL DEPTH	CARTON QTY
52144	3/4"	9"	5 1/2"	4
52145	3/4"	14"	10"	2
52146	3/4"	18"	14"	2
52147	3/4"	22"	18"	2
52148	27/32"	9"	5 1/2"	4
52149	7/8"	9"	5 1/2"	4
52150	7/8"	14"	10"	2
52151	13/16"	18"	14"	2
52152	1"	9"	5 1/2"	2
52153	1"	14"	10"	2
52154	1"	18"	14"	2

Bits compatible with the following machines:**AEG®**

APH14 PH210
PHE16RL PHE24
PHE20 PHE19RL
PHE26

B&D®

5009 5013K
5014K 5016
5053K 5054K
5056K 5057K

Metbo®

6010 6018
6020 6024
6026 6024
Porter Cable 639

Milwaukee®

5302 5303
5320 5324
5362 5365
5366 5368
5369

Kango®

200 285
327 422
426 430D

Bosch®

11207 11210
11211 11212
11213RK 11215
11221DVS
11222EVS/G
11224VSR
11228VSR

Red Head®

555 715

Ramset®

425

Makita®

HR160 HR1821
HR2000 HR2400
HR2511 8015DW

Hilti®

TE5 TE10A
TE12 TE12S
TE14 TE15ME
TE17 TE18
TE22P GP22
TE24

Hitachi®

DH22VB DH22VD
VR16 VRT22

Ryobi®

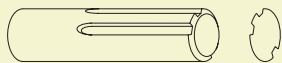
ED160 ED211

Fein®

6372 642

7 Piece SDS-Plus Set

- Red metal index box.
- Special tungsten carbide tip.
- Copper silver brazing of carbide tip.
- Special flute design improves penetration without blow back or compacting.
- Designed for use in masonry, stone, brick or aggregates.

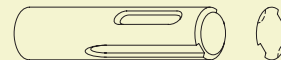


PART NUMBER	DESCRIPTION	CARTON QTY
58200	Each Kit Contains 1 each of the following SDS-Plus Masonry Drills: 3/16" x 4 1/2" 1/4" x 4 1/2" 5/16" x 4 1/2" 1/4" x 6 1/2" 5/16" x 6 1/2" 3/8" x 6 1/2" 1/2" x 6 1/2"	1



SDS Hex Bit for Concrete Screw

- Used in a rotary hammer machine equipped with a SDS (Slotted Drive Shaft) chuck.
- Suitable for use in masonry, stone and brick.
- Specifically designed for use in concrete screw installation. The bits have a $\frac{5}{16}$ " hex shoulder for use with standard concrete installation sleeves, which eliminate the need for drill adapters.

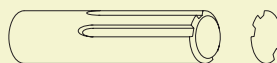
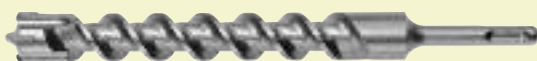


PART NUMBER	SIZE	DRILLING DEPTH	CARTON QTY
58501	$\frac{5}{32}$ " x 5" SDS Hex	2 $\frac{1}{2}$ "	20
58502	$\frac{5}{32}$ " x 7" SDS Hex	4 $\frac{1}{2}$ "	20
58503	$\frac{3}{16}$ " x 5" SDS Hex	2 $\frac{1}{2}$ "	20
58504	$\frac{3}{16}$ " x 7" SDS Hex	4 $\frac{1}{2}$ "	20



SDS-Plus X-Cutter

- For use in rotary hammer machines equipped with a SDS-Plus type chuck.
- The head has four cutting faces that reduces vibration up to 60% and noise up to 30%.
- Four-way head allows easy spotting and rounder holes.
- Fluting is formed with a taper core and progressive angle alignment. The flute angle begins behind the head at a flat angle and progresses to a steep angle at the shank end.
- The taper core improves the transmission of impact energy to the bit tip for faster drilling.
- The shaft is annealed to prevent breakage.
- Special tungsten carbide tip.
- Copper silver brazing of carbide head.
- Double spiral for fastest debris removal.
- Suitable for masonry, stone, brick and aggregates.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	DRILLING DEPTH	CARTON QTY
58100	$\frac{5}{8}$ "	10"	8"	4
58101	$\frac{5}{8}$ "	12"	10"	4
58102	$\frac{5}{8}$ "	18"	16"	2
58103	$\frac{3}{4}$ "	10"	8"	4
58104	$\frac{3}{4}$ "	12"	10"	4
58105	$\frac{3}{4}$ "	18"	16"	2
58106	$\frac{7}{8}$ "	8"	6"	4
58107	$\frac{7}{8}$ "	10"	8"	4
58108	$\frac{7}{8}$ "	12"	10"	4
58109	$\frac{7}{8}$ "	18"	16"	2
58110	1"	8"	6"	4
58111	1"	10"	8"	4
58112	1"	12"	10"	2
58113	1"	18"	16"	2
58114	1 $\frac{1}{8}$ "	10"	8"	1
58115	1 $\frac{1}{4}$ "	18"	16"	1

SDS MAX X-Cutter Carbide Hammer Drill Bit

- For use in rotary hammer machines equipped with a SDS Max type chuck.
- The head has four cutting faces that reduces vibration up to 60% and noise up to 30%.
- Four-way head allows easy spotting and rounder holes.
- Fluting is formed with a tapered core and progressive angle alignment. The flute angle begins behind the head at a flat angle and progresses to a steep angle at the shank end.
- The tapered core improves the transmission of impact energy to the bit tip for faster drilling.
- The shaft is annealed to prevent breakage.
- Special tungsten carbide tip.
- Copper silver brazing of carbide head.
- Designed for fastest debris removal.
- Suitable for masonry, stone, brick and aggregates.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	DRILL DEPTH	CARTON QTY
58600*	3/8"	13"	8"	6
58601*	1/2"	13"	8"	6
58602*	1/2"	17"	12"	6
58603*	1/2"	21"	15 1/2"	4
58604*	9/16"	13"	8"	4
58605*	9/16"	21"	15 1/2"	4
58606	5/8"	13"	8"	4
58607	5/8"	17"	12"	4
58608	5/8"	21"	15 1/2"	4
58609	5/8"	36"	31"	1
58610	1 1/16"	21"	15 1/2"	1
58611	3/4"	13"	8"	1
58612	3/4"	17"	12"	1
58613	3/4"	21"	15 3/4"	1
58614	3/4"	36"	32"	1
58615	13/16"	21"	17"	1
58616	7/8"	13"	9"	1
58617	7/8"	17"	12"	1
58618	7/8"	21"	17"	1
58619	7/8"	36"	32"	1
58620	1"	13"	8"	1
58621	1"	17"	12"	1
58622	1"	21"	17"	1
58623	1"	36"	32"	1
58625	1 1/8"	17"	13"	1
58626	1 1/8"	21"	17"	1
58627	1 1/8"	36"	32"	1
58628	1 3/16"	23"	18"	1
58629	1 1/4"	15"	11"	1
58630	1 1/4"	23"	17"	1
58631	1 1/4"	36"	32"	1
58632	1 3/8"	17"	12"	1
58633	1 3/8"	23"	17"	1
58634	1 3/8"	36"	32"	1
58635	1 1/2"	17"	13"	1
58636	1 1/2"	23"	17"	1
58637	1 3/4"	23"	18"	1
58638	2"	23"	18"	1

* 3/8", 1/2", and 9/16" diameter bits have a single tip and standard helical flute.

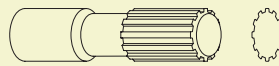
Bits compatible with the following machines:

AEG®	B&D®	Metbo®	Milwaukee®	Hilti®	Bosch®
PN4000E	5097K 5099K	6945	5308 5313 5314-21 5315-21 5315-22 5346-21	TE-F-52 TE-F-60 TE-F-72 TE-F-92 TE-F-54 TE-Y-55 TE-Y-74 TE-Y-75 TE-Y-76	11214EVS 11216 11223 11227E 11230EVS 11231 11235EVS 11240 11241EVS 11245EVS
Makita®	Dewalt®	Hitachi®			
HR4080C HR4500C HR5081C	541K D25500K 545K D25600K	DH40MA DH40MB DH50MB			



Spline Drive X Cutter SDS Drill

- For use in rotary hammer machines equipped with a Spline Drive type chuck.
- The head has four cutting faces that reduces vibration up to 60% and noise up to 30%.
- Four-way head allows easy spotting and rounder holes.
- Undercut helical fluting is formed with small lands to minimize contact with the wall of the drill hole.
- The taper core improves the transmission of impact energy to the bit tip for faster drilling.
- The shaft is annealed to prevent breakage.
- Special tungsten carbide tip.
- Copper silver brazing of carbide head.
- Double spiral for fastest debris removal.
- Suitable for masonry, stone, brick and aggregates.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	DRILLING DEPTH	CARTON QTY
58800	5/8"	10"	5"	4
58801	5/8"	16"	11"	4
58802	5/8"	22"	17"	4
58803	5/8"	29"	24"	1
58804	5/8"	36"	31"	1
58805	3/4"	10"	5"	4
58806	3/4"	16"	11"	4
58807	3/4"	22"	17"	1
58808	3/4"	29"	24"	1
58809	3/4"	36"	31"	1
58810	7/8"	16"	11"	1
58811	7/8"	22"	17"	1
58812	1"	16"	11"	1
58813	1"	22"	17"	1
58814	1"	29"	24"	1
58815	1"	36"	31"	1
58816	1 1/8"	16"	11"	1
58817	1 1/8"	22"	17"	1
58818	1 1/4"	16"	11"	1
58819	1 1/4"	22"	17"	1
58820	1 1/4"	29"	24"	1
58821	1 1/4"	36"	31"	1
58822	1 3/8"	16"	11"	1
58823	1 3/8"	22"	17"	1
58824	1 1/2"	22"	17"	1

Bits compatible with the following machines:

AEG®

PH38 PHD26
PHD38 PH240D

B&D®

5041 5042
5043 5044K
5045K 5059
5093K 5095K
5096K 5098K

Metbo®

RH66 RH99X
1129 1130
6030 6040
6046

Milwaukee®

5309 5311
5316 5318-21
5319-21 5321-22
5341 5343
5344 5345-21
5347 5348
5352

Kango®

430S 501S
637S 750S
950S 978S

Bosch®

11202 11203
11204 11205
11209 11214
11219 11220
11232EVS 11233EVS
11244E 11247
11248EVS 11314

Red Head®

747-2

Ramset®

442 445
475

Makita®

HR3851 HR4040C
HR5000

Dewalt®

530K 531K
532K 533K
D25650K D25550K
D25551K

Hitachi®

DH38YE(G) DH40FA
DH40FB DS50SB(K)

Ryobi®

ED382P ER382

Wacker®

EBH 10

Spline Drive SDS Rotary Hammer Drill Bit

- Used in a rotary hammer machine equipped with a Spline Drive chuck.
- Used for high speed drilling in masonry, stone, brick, and aggregates.
- Undercut helical fluting is formed with small lands to minimize contact with the wall of the drill hole.
- The unique shank configuration fits most models of rotary hammer drills providing maximum drilling torque.
- Constructed from tungsten for extra long life.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	DRILLING DEPTH	CARTON QTY
58700	3/8"	8"	3"	6
58701	3/8"	11"	6"	6
58702	3/8"	16"	11"	6
58703	7/16"	13"	8"	6
58704	1/2"	11"	6"	6
58705	1/2"	16"	11"	6
58706	1/2"	23"	18"	4
58707	1/2"	27"	22"	1
58708	1/2"	36"	31"	1
58709	9/16"	11"	6"	4
58710	9/16"	16"	11"	4
58711	9/16"	23"	18"	4
58712	9/16"	27"	22"	1
58713	5/8"	11"	6"	4
58714	5/8"	16"	11"	4
58715	5/8"	23"	18"	4
58716	5/8"	27"	22"	1
58717	5/8"	36"	31"	1
58718	11/16"	13"	8"	4
58719	11/16"	16"	11"	4
58720	3/4"	11"	6"	4
58721	3/4"	16"	11"	4
58722	3/4"	23"	18"	4
58723	3/4"	27"	22"	1
58724	3/4"	36"	31"	1
58725	27/32"	16"	11"	4
58726	7/8"	16"	11"	4
58727	7/8"	23"	18"	4
58728	7/8"	36"	31"	1
58729	1"	13"	8"	2
58730	1"	16"	11"	2
58731	1"	23"	18"	2
58732	1"	36"	31"	1
58733	1 1/8"	16"	11"	2
58734	1 1/8"	23"	18"	2
58735	1 1/4"	16"	11"	2
58736	1 1/4"	23"	18"	2
58737	1 1/4"	36"	31"	1
58738	1 3/8"	16"	11"	2
58739	1 3/8"	23"	18"	2
58740	1 1/2"	16"	11"	2
58741	1 1/2"	23"	18"	2
58742	1 3/4"	23"	18"	1
58743	2"	23"	18"	1

Ratio System Drilling

- A modular system that allows for angle drilling, drilling up to 6" diameter holes, and will drill up to 75" in depth.



Spline Adapter



SDS Max Adapter

ADAPTER FOR RATIO DRILLING SYSTEM

- Rotary hammer drills are the only machines capable of delivering the necessary torque to drill holes up to 6" diameter.
- Adapters are necessary for use with Rotary Hammer Machines.

PART NUMBER	DESCRIPTION	OVERALL LENGTH	USEABLE LENGTH	CARTON QTY
582000	Spline Adapter	7"	2"	1
582001	SDS-Max Adapter	7"	2"	1



PILOT DRILL BIT

- Pilot Drill Bit fastens to the Cruciform Drill Head or the Ratio Core Bit onto the extensions.
- Pilot Drill Bit ensures that drilling is in a straight line.



PART NUMBER	DESCRIPTION	CARTON QTY
582010	5/8" x 4 3/4" Pilot	1
582011	5/8" x 6 3/4" Pilot	1
582012*	1/2" x 6" Pilot	1

* Only the 1/2" x 6" Pilot Drill bit will work with the Ratio Core Bit.



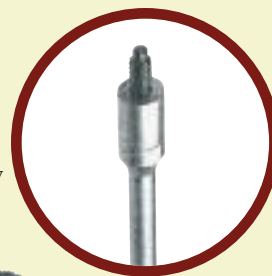
CRUCIFORM DRILL HEAD

- Contain tungsten carbide knobs which grind away at concrete.
- Interchangeable with all adapters and extensions.
- Drill bit is not included with drill head.

PART NUMBER	DESCRIPTION	OVERALL LENGTH	CARTON QTY
582020	1 1/2" Drill Head	1 1/2"	1
582021	1 3/4" Drill Head	1 1/2"	1
582022	2" Drill Head	1 1/2"	1
582023	2 5/8" Drill Head	1 1/2"	1
582024	3 1/8" Drill Head	1 1/2"	1
582025	3 1/2" Drill Head	1 1/2"	1
582026	4" Drill Head	1 1/2"	1
582027	4 1/2" Drill Head	1 1/2"	1
582028	5" Drill Head	1 1/2"	1
582029	6" Drill Head	1 1/2"	1

EXTENSIONS

- Used for drilling holes deeper than 3½" for Cruciform Drill head or 5" for the Ratio Core Bit.
- All extensions are interchangeable with each other, and can accept any adapter, Pilot Drill Bit, Cruciform Drill Head or Ratio Core Bit.



PART NUMBER	DESCRIPTION	OVERALL LENGTH	CARTON QTY
582030	Extension for Cruciform Drill Head and Core Bit	11"	1
582031	Extension for Cruciform Drill Head and Core Bit	18"	1
582032	Extension for Spiral Flute Only	18"	1

SPIRAL FLUTE

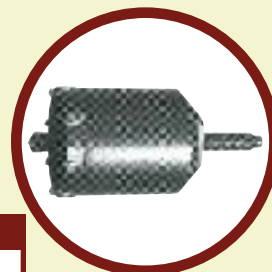
- Used when drilling vertically to ensure clearance of debris.
- Must be used with #582032 Spiral Flute Extension. Other extensions can then be added on if deeper drilling is required.
- When using a spiral flute, the diameter of the flute must match the diameter of the Cruciform Drill head being used.



PART NUMBER	DESCRIPTION	OVERALL LENGTH	CARTON QTY
582040	1½" Spiral Flute	16"	1
582041	1¾" Spiral Flute	16"	1
582042	2" Spiral Flute	16"	1
582043	2⅝" Spiral Flute	16"	1
582044	3⅛" Spiral Flute	16"	1

RATIO CORE BIT

- Used for short depth drilling.
- Extensions can be used if needed.
- Adapters and Pilots Drills must be used.



PART NUMBER	DESCRIPTION	OVERALL LENGTH	CARTON QTY
582050	1½" Core Bits	3"	1
582051	2" Core Bits	3"	1
582052	2½" Core Bits	3"	1
582053	3" Core Bits	3"	1
582054	3½" Core Bits	3"	1
582055	4" Core Bits	3"	1

SYSTEM COMBINATIONS

- Drill any hole from 1½" to 6" in diameter by choosing the appropriate Cruciform Drill Head.
- Drill up to a maximum depth of 75" by choosing the appropriate combination of components.

DRILLING DEPTH	COMPONENTS USED
4"	Adapter, Pilot Drill, Cruciform Head
14½"	Adapter, Pilot Drill, Cruciform Head, 11" Extension
21½"	Adapter, Pilot Drill, Cruciform Head, 18" Extensions
32½" – 75"	Adapter, Pilot Drill, Cruciform Head, Multiple Extensions, Spiral Flute

Carbide Core Bit

- Use with Spline or SDS Max rotary hammer machines to drill large diameter entry holes for pipe or conduit in floors or walls.
- The Bits enable a hammer drill or rotary drill to produce holes which are larger than the tool rating by cutting the only circumference of the hole.
- Core bits are machined from a single piece of forged Steel to withstand continuous hammering and sustain long life.
- The top or head of the bit is crowned to direct the hammering energy through the outside wall and into the cutting teeth.
- The carbide cutting tips are made with a slightly negative cutting angle for use with rotary hammer machines.



A-TAPER PILOT DRILL FOR EXTENTIONS



PART NUMBER	SIZE	CARTON QTY
590010	3/8" x 5" A Taper	1



4" TAPERED CARBIDE CORE BIT

PART NUMBER	DRILL SIZE	NUMBER OF TEETH	CARTON QTY
590030	1 1/2"	6	1
590040	2"	6	1
590050	2 1/2"	9	1
590060	3"	9	1
590070	3 1/2"	9	1
590080	4"	9	1
590090	5"	12	1



EXTENSIONS



PART NUMBER	SIZE	SHANK TYPE	CARTON QTY
590100	9"	Spline	1
590110	14"	Spline	1
590120	22"	Spline	1
590130	8"	SDS-MAX	1
590140	18"	SDS-MAX	1



EJECTOR KEY

PART NUMBER	SIZE	CARTON QTY
590020	Ejector Key	1

Carbide Bit for Concrete Screw

- Used in conjunction with drill driver kit and rotary drill for drilling holes in masonry.
- Precisely ground to assure proper hole diameters.
- The flat on the shank fits all concrete screw installation tools.



PART NUMBER	DIAMETER	LENGTH	SCREW DIAMETER INSTALLED	CARTON QTY
52900	5/32"	3 1/2"	3/16"	50
52901	5/32"	4 1/2"	3/16"	50
52903	3/16"	3 1/2"	1/4"	50
52904	3/16"	4 1/2"	1/4"	50

L Masonry Drill Bit

- Used with Percussion Drill Holder for hand drilling in brick and concrete.
- Drill bits produced with standard "A" taper to fit drill holder.
- Drills produced from hardened steel.
- Drills have spiral flute for easy removal of dust and debris and special point for cutting masonry.
- Drill holder is supplied with knockout pin for removal of drill bit from tool.



PART NUMBER	SIZE	OVERALL LENGTH	CARTON QTY
53120	3/16"	2 5/8"	6
53100	1/4"	3 1/4"	6
53101	1/4"	6"	6
53147	5/16"	4 1/4"	6
53130	5/16"	6"	6
53121	3/8"	5 1/16"	6
53112	1/2"	5 9/16"	6

High Speed Steel Step Drill Bit



#59600



#59601



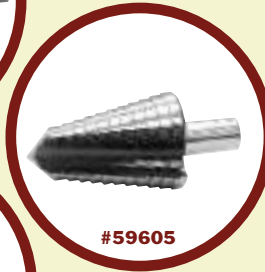
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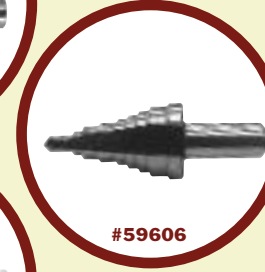
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#59605



#59606



#59607



#59608



#59609

- Used with rotation only machines equipped with a three jaw Jacobs type chuck.
- Each Step Bit drills a range of sizes. The further the bit advances the larger the diameter of the hole gets.
- Provides accurate control of hole size in materials up to 1/8" thick.
- Suitable for use in ferrous and non-ferrous shet metal, plastic, and wood.

PART NUMBER	NUMBER OF STEPS	RANGE	CARTON QTY
59600	13	1/8" - 1/2"	1
59601	6	3/16" - 1/2"	1
59602	9	1/4" - 3/4"	1
59603	12	3/16" - 7/8"	1
59604	12	7/16" - 1 1/8"	1
59605	11	3/4" - 1 3/8"	1
59606	3	3/8" - 3/4"	1
59607	2	7/8" - 1 1/8"	1
59608	5	7/8" - 1 3/8"	1
59609	1	7/8"	1

Bi-Metal Hole Saw

- Designed to cut wood, plastic, machinable metal, nail embedded wood, plywood, pipes and stainless steel.
- Teeth are constructed from M3 High Speed Steel (HSS) for faster cutting and longevity.
- Body is constructed from a tough alloy that is scratch proof and offer superior durability.
- Electron beam welded to combine speed with strength.
- 1½" cutting depth.
- Red finish.
- Arbor is not included.



PART NUMBER	DIAMETER	PIPE ENTRY SIZE	PIPE TAP SIZE	CARTON QTY
69100	9/16"			1
69101	5/8"			1
69102	11/16"			1
69103	3/4"	3/8"		1
69104	13/16"			1
69105	7/8"	1/2"	3/4"	1
69106	15/16"			1
69107	1"			1
69108	1 1/16"			1
69109	1 1/8"	3/4"	1"	1
69110	1 3/16"			1
69111	1 1/4"			1
69112	1 5/16"			1
69113	1 3/8"	1"		1
69114	1 7/16"			1
69115	1 1/2"		1 1/4"	1
69116	1 9/16"			1
69117	1 5/8"			1
69118	1 11/16"			1
69119	1 3/4"	1 1/4"	1 1/2"	1
69120	1 13/16"			1
69121	1 7/8"			1
69122	2"	1 1/2"		1
69123	2 1/16"			1
69124	2 1/8"			1
69125	2 1/4"		2"	1
69126	2 5/16"			1
69127	2 3/8"			1
69128	2 1/2"	2"		1
69129	2 9/16"			1
69130	2 5/8"		2 1/2"	1
69131	2 3/4"			1
69132	2 7/8"			1
69133	3"	2 1/2"		1
69134	3 1/8"		3"	1
69135	3 1/4"			1
69136	3 3/8"			1
69137	3 1/2"			1
69138	3 5/8"	3"		1
69139	3 3/4"		3 1/2"	1
69140	3 7/8"			1
69141	4"			1
69142	4 1/8"	3 1/2"		1
69143	4 1/4"			1
69144	4 3/8"			1
69145	4 1/2"	4"		1
69146	4 3/4"		4 1/2"	1
69147	5"			1
69148	5 1/4"			1
69149	5 1/2"			1
69150	5 3/4"			1
69151	6"			1

Recommended Hole Saw Speeds in RPM

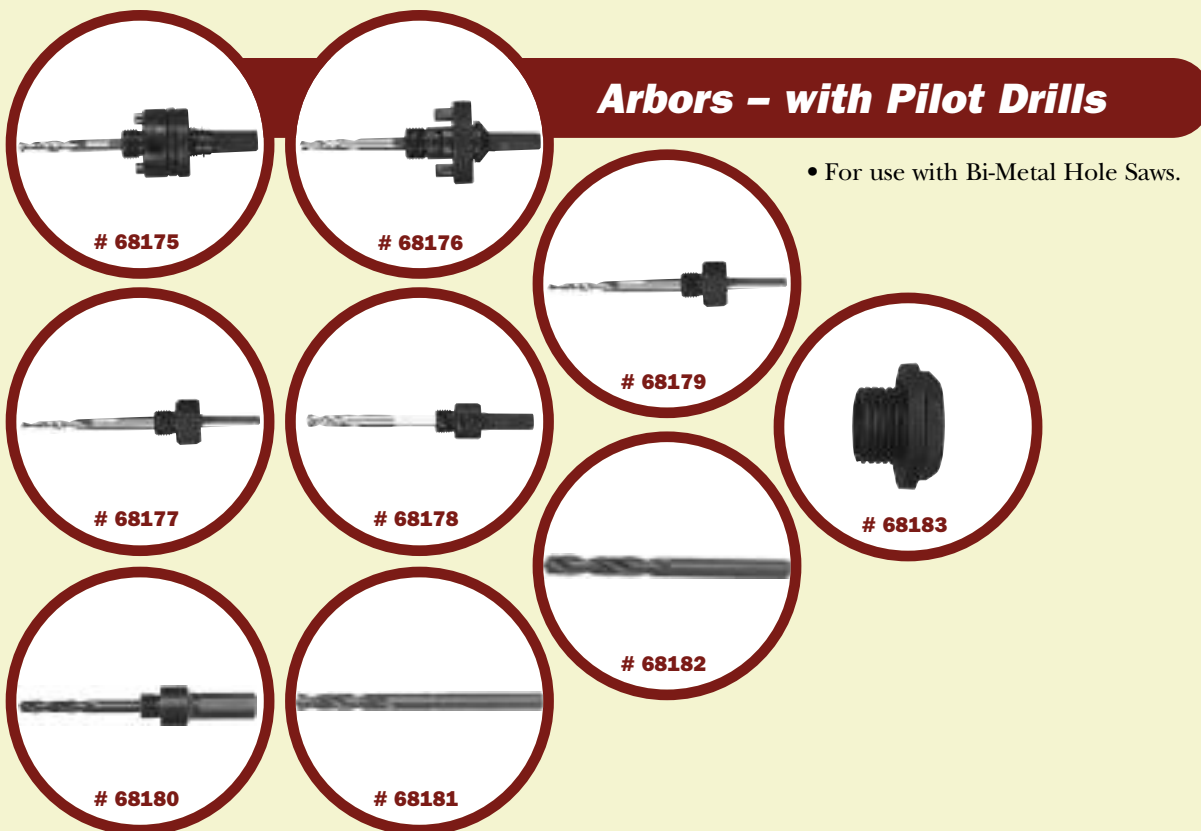
PART NUMBER	DIAMETER	MILD STEEL	TOOL & STAINLESS STEELS	CAST IRON	BRASS	ALUMINUM
69100	9/16"	550	300	400	790	900
69101	5/8"	530	275	365	730	825
69102	11/16"	500	250	330	665	750
69103	3/4"	460	230	300	600	690
69104	13/16"	425	210	280	560	630
69105	7/8"	390	195	260	520	585
69106	15/16"	370	185	245	495	555
69107	1"	350	175	235	470	525
69108	1 1/16"	325	160	215	435	480
69109	1 1/8"	300	150	200	400	450
69110	1 3/16"	285	145	190	380	425
69111	1 1/4"	275	140	180	360	410
69112	1 5/16"	260	135	175	345	390
69113	1 3/8"	250	125	165	330	375
69114	1 7/16"	240	120	160	315	360
69115	1 1/2"	230	115	150	300	345
69116	1 9/16"	220	110	145	290	330
69117	1 5/8"	210	105	140	280	315
69118	1 11/16"	205	100	135	270	305
69119	1 3/4"	195	90	130	260	295
69120	1 13/16"	190	95	125	250	285
69121	1 7/8"	180	90	120	240	270
69122	2"	170	85	115	230	255
69123	2 1/16"	165	80	110	220	245
69124	2 1/8"	160	80	105	210	240
69125	2 1/4"	150	75	100	200	230
69126	2 5/16"	145	75	100	195	225
69127	2 3/8"	140	70	95	190	220
69128	2 1/2"	135	70	90	180	205
69129	2 9/16"	130	65	85	175	200
69130	2 5/8"	130	65	85	170	195
69131	2 3/4"	125	60	80	160	185
69132	2 7/8"	120	60	80	160	180
69133	3"	115	55	75	150	170
69134	3 1/8"	110	55	70	145	165
69135	3 1/4"	105	50	70	140	155
69136	3 3/8"	100	50	65	130	150
69137	3 1/2"	95	45	65	125	145
69138	3 5/8"	95	45	60	120	140
69139	3 3/4"	90	45	60	120	135
69140	3 7/8"	90	45	60	115	130
69141	4"	85	40	55	115	125
69142	4 1/8"	85	40	55	110	120
69143	4 1/4"	80	40	55	100	115
69144	4 3/8"	80	40	50	100	110
69145	4 1/2"	75	35	50	100	105
69146	4 3/4"	70	35	45	90	95
69147	5"	65	30	40	85	90
69148	5 1/4"	60	30	35	80	85
69149	5 1/2"	60	30	35	80	85
69150	5 3/4"	55	25	35	75	80
69151	6"	55	25	35	75	80

Carbide Tip Hole Saw

- Designed to cut particle board, fiber-glass, cast iron, and formica.
- Saws have knockout holes for easy core removal.
- Teeth are constructed from high-strength Tungsten Carbide.
- 1½" cutting depth.
- Arbor is not included.



PART NUMBER	DIAMETER	PIPE ENTRY SIZE	PIPE TAP SIZE	CARTON QTY
69200	3/4"	3/8"		1
69201	13/16"			1
69202	7/8"	1/2"	3/4"	1
69203	15/16"			1
69204	1"			1
69205	1 1/16"			1
69206	1 1/8"	3/4"	1"	1
69207	1 3/16"			1
69208	1 1/4"			1
69209	1 5/16"			1
69210	1 3/8"	1"		1
69211	1 7/16"			1
69212	1 1/2"		1 1/4"	1
69213	1 9/16"			1
69214	1 5/8"			1
69215	1 11/16"			1
69216	1 3/4"	1 1/4"	1 1/2"	1
69217	1 13/16"			1
69218	1 7/8"			1
69219	2"	1 1/2"		1
69220	2 1/16"			1
69221	2 1/8"			1
69222	2 1/4"		2"	1
69223	2 5/16"			1
69224	2 3/8"			1
69225	2 1/2"	2"		1
69226	2 9/16"			1
69227	2 5/8"		2 1/2"	1
69228	2 3/4"			1
69229	2 7/8"			1
69230	3"	2 1/2"		1
69231	3 1/8"		3"	1
69232	3 1/4"			1
69233	3 3/8"			1
69234	3 1/2"			1
69235	3 5/8"	3"		1
69236	3 3/4"		3 1/2"	1
69237	3 7/8"			1
69238	4"			1
69239	4 1/8"	3 1/2"		1
69240	4 1/4"			1
69241	4 3/8"			1
69242	4 1/2"	4"		1
69243	4 3/4"		4 1/2"	1
69244	5"			1
69245	5 1/4"			1
69246	5 1/2"			1
69247	5 3/4"			1
69248	6"			1



Arbors – with Pilot Drills

- For use with Bi-Metal Hole Saws.

PART NUMBER	SIZE	SHANK DIAMETER	CARTON QTY
68175	7/16" Hex Positive Grip	5/8"-18 thread fits saws 1 1/4" and larger	1
68176	3/8" Hex Quick Change	5/8"-18 thread fits saws 1 1/4" and larger	1
68177	1/4" Round	1/2"-20 thread fits saws up to 1 3/16"	1
68178	3/8" Hex	1/2"-20 thread fits saws up to 1 3/16"	1
68179	1/4" Hex	1/2"-20 thread fits saws up to 1 3/16"	1
68180	7/16" Hex	1/2"-20 thread fits saws up to 1 3/16"	1
68181	4" High Speed Steel Pilot Bit	All Arbors	1
68182	3" High Speed Steel Pilot Bit	All Arbors	1
68183	Adapter	#68177 and #68178	1



Hole Saw Kits

- Cuts Holes in wood, plastic, pipe, stainless steel or any machinable metal including nail-embedded wood and plywood.

PART NUMBER	DESCRIPTION	BITS INCLUDED	ARBORS INCLUDED	CARTON QTY
69180	8 Piece Bi Metal Electrician Hole Saw Set	7/8", 1 1/8", 1 3/8", 1 3/4", 2, 2 1/2"	7/16" hex, 1/4" Pilot Bit 7/16" Quick Change	1
69181	Industrial/Maintenance Hole Saw Set	3/4", 7/8", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2"	1/4" Round, 1/4" Pilot Bit 7/16" Quick Change 1/4" Adapter	1
69182	Bi Metal Plumbers Hole Saw Set	3/4", 7/8", 1 1/8", 1 1/2", 1 3/4", 2 1/4"	1/4" Round, 1/4" Pilot Bit 7/16" Quick Change	1
69183	Master Electrician's Hole Saw Set	7/8", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/2", 3", 3 5/8", 4 1/8"	7/16" Positive Grip 7/16" Hex, 1/4" Hex 4 1/4" Pilot Bit 12" Extension	1

118° Split Point High Speed Drill Bit

- Used for everyday drilling jobs with a wide range of materials including steel, cast iron, forgings, wood, and plastic.
- M2 High Speed Steel, retains cutting life for longer time period.
- Polished flutes increase chip ejection in soft, ductile materials.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	SHANK DIAMETER	CARTON QTY
51700	1/64"	3/4"	3/16"	60
51701	1/32"	1 3/8"	1/2"	60
51702	3/64"	1 3/4"	3/4"	60
51703	1/16"	1 7/8"	7/8"	48
51704	5/64"	2"	1"	48
51705	3/32"	2 1/4"	1 1/4"	48
51706	7/64"	2 5/8"	1 1/2"	48
51707	1/8"	2 3/4"	1 5/8"	48
51708	9/64"	2 7/8"	1 3/4"	48
51709	5/32"	3 1/8"	2"	48
51710	11/64"	3 1/4"	2 1/8"	48
51711	3/16"	3 1/2"	2 5/16"	48
51712	13/64"	3 5/8"	2 7/16"	36
51713	7/32"	3 3/4"	2 1/2"	36
51714	15/64"	3 7/8"	2 5/8"	24
51715	1/4"	4"	2 3/4"	24
51716	17/64"	4 1/8"	2 7/8"	24
51717	9/32"	4 1/4"	2 15/16"	24
51718	19/64"	4 3/8"	3 1/16"	24
51719	5/16"	4 1/2"	3 3/16"	18
51720	21/64"	4 5/8"	3 5/16"	18
51721	11/32"	4 3/4"	3 7/16"	18
51722	23/64"	4 7/8"	3 1/2"	18
51723	3/8"	5"	3 5/8"	18
51724	25/64"	5 1/8"	3 3/4"	18
51725	13/32"	5 1/4"	3 1/8"	18
51726	27/64"	5 1/8"	3 15/16"	18
51727	7/16"	5 1/2"	4 1/16"	18
51728	29/64"	5 5/8"	4 3/16"	18
51729	15/32"	5 3/4"	4 5/16"	18
51730	31/64"	5 7/8"	4 3/8"	18
51731	1/16"	6"	7/8"	18
51732	1/8"	6"	1 5/8"	18
51733	9/64"	6"	1 3/4"	18
51734	5/32"	6"	2"	18
51735	11/64"	6"	2 1/8"	18
51736	3/16"	6"	2 5/16"	18
51737	13/64"	6"	2 7/16"	18
51738	7/32"	6"	2 1/2"	18
51739	15/64"	6"	2 5/8"	18
51740	1/4"	6"	2 3/4"	18
51741	17/64"	6"	2 7/8"	18
51742	9/32"	6"	2 15/16"	18
51743	19/64"	6"	3 1/16"	18
51744	5/16"	6"	3 3/16"	18
51745	21/64"	6"	3 5/16"	18
51746	11/32"	6"	3 7/16"	18
51747	23/64"	6"	3 1/2"	18
51748	3/8"	6"	3 5/8"	18

118' Split High Speed Drill Bit (continued)

PART NUMBER	DRILL SIZE	OVERALL LENGTH	SHANK DIAMETER	CARTON QTY
51749	25/64"	6"	33/4"	18
51750	13/32"	6"	37/8"	18
51751	27/64"	6"	315/16"	12
51752	7/16"	6"	41/16"	12
51753	29/64"	6"	43/32"	12
51754	15/32"	6"	45/16"	12
51755	31/64"	6"	43/8"	12
51756	1/2"	6"	41/2"	12
51757	1/8"	12"	15/8"	6
51758	5/32"	12"	2"	6
51759	3/16"	12"	25/16"	6
51760	7/32"	12"	21/2"	6
51761	1/4"	12"	23/4"	6
51762	9/32"	12"	215/16"	6
51763	5/16"	12"	33/16"	6
51764	11/32"	12"	37/16"	6
51765	3/8"	12"	35/8"	6
51766	13/32"	12"	37/8"	6
51767	7/16"	12"	41/16"	6
51768	15/32"	12"	45/16"	6
51769	1/2"	12"	41/2"	6
51770	3/16"	18"	25/16"	6
51771	1/4"	18"	23/4"	6
51772	5/16"	18"	33/16"	6
51773	3/8"	18"	35/8"	6
51774	7/16"	18"	41/16"	6
51775	1/2"	18"	41/2"	6

135° Split Point High Speed Drill Bit

- Used for everyday drilling jobs with a wide range of materials including steel, cast iron, forgings, wood, and plastic.
- Polished flutes increase chip ejection in soft, ductile materials.
- M2 High Speed Steel, retains cutting life for longer time period.



PART NUMBER	DRILL SIZE	DECIMAL EQUIVALENT	DRILLING LENGTH	FLUTE LENGTH	CARTON QTY
69401	1	.2280	3 ⁷ / ₈ "	2 ⁵ / ₈ "	12
69402	2	.2210	3 ⁷ / ₈ "	2 ⁵ / ₈ "	12
69403	3	.2130	3 ³ / ₄ "	2 ¹ / ₂ "	12
69404	4	.2090	3 ³ / ₄ "	2 ¹ / ₂ "	12
69405	5	.2055	3 ³ / ₄ "	2 ¹ / ₂ "	12
69406	6	.2040	3 ³ / ₄ "	2 ¹ / ₂ "	12
69407	7	.2010	3 ⁵ / ₈ "	2 ⁷ / ₁₆ "	12
69408	8	.1990	3 ⁵ / ₈ "	2 ⁷ / ₁₆ "	12
69409	9	.1960	3 ⁵ / ₈ "	2 ⁷ / ₁₆ "	12
69410	10	.1935	3 ⁵ / ₈ "	2 ⁷ / ₁₆ "	12
69411	11	.1910	3 ¹ / ₂ "	2 ⁵ / ₁₆ "	12
69412	12	.1890	3 ¹ / ₂ "	2 ⁵ / ₁₆ "	12
69413	13	.1850	3 ¹ / ₂ "	2 ⁵ / ₁₆ "	12
69414	14	.1820	3 ³ / ₈ "	2 ³ / ₁₆ "	12
69415	15	.1800	3 ³ / ₈ "	2 ³ / ₁₆ "	12
69416	16	.1770	3 ³ / ₈ "	2 ³ / ₁₆ "	12
69417	17	.1730	3 ³ / ₈ "	2 ³ / ₁₆ "	12
69418	18	.1695	3 ¹ / ₄ "	2 ¹ / ₈ "	12
69419	19	.1660	3 ¹ / ₄ "	2 ¹ / ₈ "	12
69420	20	.1610	3 ¹ / ₄ "	2 ¹ / ₈ "	12
69421	21	.1590	3 ¹ / ₄ "	2 ¹ / ₈ "	12
69422	22	.1570	3 ¹ / ₈ "	2"	12
69423	23	.1540	3 ¹ / ₈ "	2"	12
69424	24	.1520	3 ¹ / ₈ "	2"	12
69425	25	.1495	3"	1 ⁷ / ₈ "	12
69426	26	.1470	3"	1 ⁷ / ₈ "	12
69427	27	.1440	3"	1 ⁷ / ₈ "	12
69428	28	.1405	2 ⁷ / ₈ "	1 ³ / ₄ "	12
69429	29	.1360	2 ⁷ / ₈ "	1 ³ / ₄ "	12
69430	30	.1285	2 ³ / ₄ "	1 ⁵ / ₈ "	12
69431	31	.1200	2 ³ / ₄ "	1 ⁵ / ₈ "	12
69432	32	.1160	2 ³ / ₄ "	1 ⁵ / ₈ "	12
69433	33	.1130	2 ⁵ / ₈ "	1 ¹ / ₂ "	12
69434	34	.1110	2 ⁵ / ₈ "	1 ¹ / ₂ "	12
69435	35	.1100	2 ⁵ / ₈ "	1 ¹ / ₂ "	12
69436	36	.1065	2 ¹ / ₂ "	1 ⁷ / ₁₆ "	12
69437	37	.1040	2 ¹ / ₂ "	1 ⁷ / ₁₆ "	12
69438	38	.1015	2 ¹ / ₂ "	1 ⁷ / ₁₆ "	12
69439	39	.0095	2 ³ / ₈ "	1 ³ / ₈ "	12
69440	40	.0980	2 ³ / ₈ "	1 ³ / ₈ "	12
69441	41	.0960	2 ³ / ₈ "	1 ³ / ₈ "	12
69442	42	.0935	2 ¹ / ₄ "	1 ¹ / ₄ "	12
69443	43	.0890	2 ¹ / ₄ "	1 ¹ / ₄ "	12
69444	44	.0860	2 ¹ / ₈ "	1 ¹ / ₈ "	12
69445	45	.0820	2 ¹ / ₈ "	1 ¹ / ₈ "	12
69446	46	.0810	2 ¹ / ₈ "	1 ¹ / ₈ "	12
69447	47	.0785	2"	1"	12
69448	48	.0760	2"	1"	12
69449	49	.0730	2"	1"	12
69450	50	.0700	2"	1"	12
69451	51	.0670	2"	1"	12
69452	52	.0635	1 ⁷ / ₈ "	7 ⁷ / ₈ "	12
69453	53	.0595	1 ⁷ / ₈ "	7 ⁷ / ₈ "	12
69454	54	.0550	1 ⁷ / ₈ "	7 ⁷ / ₈ "	12
69455	55	.0520	1 ⁷ / ₈ "	7 ⁷ / ₈ "	12
69456	56	.0465	1 ³ / ₄ "	3 ³ / ₄ "	12
69457	57	.0430	1 ³ / ₄ "	3 ³ / ₄ "	12
69458	58	.0420	1 ⁵ / ₈ "	1 ¹ / ₁₆ "	12
69459	59	.0410	1 ⁵ / ₈ "	1 ¹ / ₁₆ "	12
69460	60	.0400	1 ⁵ / ₈ "	1 ¹ / ₁₆ "	12

High Speed Steel Drill Bit Sets

#256



#69500



#2588



HIGH SPEED STEEL DRILL BIT SET

PART NUMBER	NUMBER OF BITS	RANGE	CARTON QTY
255	8	1/16" – 1 1/64" by 64ths	1
2588	8	9/16" – 1" by 16ths	1
256	29	1/16" – 1/2" by 64ths	1
257	29	1/16" – 1/2" by 64ths Reduced Shank	1
69500	13	1/16" – 1/4" by 64ths	1
258	15	1/16" – 1/2" by 32nds	1
69506	20	#61 through #80	1
25821	21	1/16" – 3/8" by 64ths	1
69504	26	Letter A through Z	1
69505	60	#1 through #60	1

HIGH SPEED STEEL DRILL BIT KIT IN DIAL - A - BIT SET

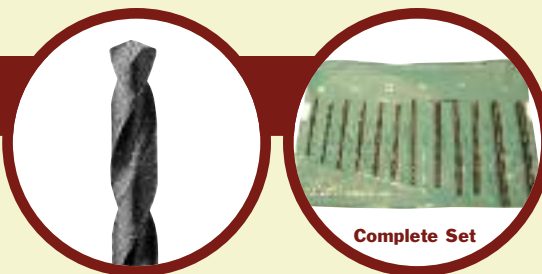
PART NUMBER	NUMBER OF BITS	RANGE	CARTON QTY
25813DD	13	1/16" – 1/4" by 64ths	1
25821DD	21	1/16" – 3/8" by 64ths	1

HIGH SPEED STEEL DRILL SET IN PLASTIC CASE

PART NUMBER	NUMBER OF BITS	RANGE	CARTON QTY
2587P	7	1/16" – 1/4" by 32nds	1
25810P	10	1/16" – 7/32" by 64ths	1
25813P	13	1/16" – 1/4" by 64ths	1

B Twist Drill Set

- Used when drilling in carbon steel, aluminum, and stainless steel.
- 135° split point allows bit to drill through hard, tough materials.



PART NUMBER	SIZE	LENGTH	BELL NUMBER	CARTON QTY
51500	.1065" (#36)	2 1/2"	400138012	50
51501	.1285" (#30)	2 3/4"	400138020	50
51502	.1495" (#25)	3"	400138038	50
51503	.1770" (#16)	3 3/8"		50
51504	.2010" (#7)	3 5/8"	400138053	50
51505	.2660" (H)	4 1/2"	400138061	50
51506	Complete Set with 2 of Each Bit Size (B Twist Drill Set)		400265310	35

Bell Hanger Bit for Wood

- Used with rotation only machines equipped with a three jaw Jacobs type chuck.
- Drills have a hole in flute section for pulling wire through after holes are drilled.
- Special point for fast drilling in wood.
- 1/2" Bell Hangers have a 3/8" reduced shank.
- Formed from a premium quality, extra hard, M2 Hi-Speed Steel (HSS).



PART NUMBER	DRILL SIZE	OVERALL LENGTH	CARTON QTY
52500	1/4"	12"	6
52501	5/16"	12"	6
52502	3/8"	12"	6
52503	1/2"	12"	6
52504	1/4"	18"	6
52505	5/16"	18"	6
52506	3/8"	18"	6
52507	1/2"	18"	6
52520	5/8"	18"	4
52519	3/4"	18"	4
52515	1"	18"	4
52508	1/4"	24"	4
52509	5/16"	24"	4
52510	3/8"	24"	4
52511	1/2"	24"	2
52512	1/4"	30"	1
52513	3/8"	30"	1
52514	1/2"	30"	1



Electrician's Stretch Bit

- Used for boring holes through studs within wall cavities and then "snaking" wire from either direction.
- Used with rotation only machines equipped with a three jaw Jacobs type chuck.
- Stretch Bits feature a flexible shaft to allow easy manipulation.
- Stretch Bits have an Auger type configuration with a self-feeding screw point and a long twist for fast chip removal.
- Bits have a hole at the both the tip and the top of the shank so wires can be snaked in either direction.
- The insulated steering guide helps steer the bit while it is hidden inside the wall cavity.



PART NUMBER	SIZE	SHANK SIZE	CARTON QTY
88990	1/4" x 54"	3/16"	1
88109	1/4" x 72"	3/16"	1
89100	3/8" x 54"	3/16"	1
89101	3/8" x 72"	3/16"	1
89102	1/2" x 54"	3/16"	1
89103	1/2" x 72"	3/16"	1
89104	9/16" x 54"	3/16"	1
89105	9/16" x 72"	3/16"	1
89106	3/4" x 54"	1/4"	1
89107	3/4" x 72"	1/4"	1



Steering Guide

PART NUMBER	DESCRIPTION	STD PKG
89108	Steering Guide	1



Hand Brace Bell Hanger Bit for Wood

- Used with hand brace for drilling through wood.
- Bit has a hole in flute section for pulling wire through after boring.
- Special point for fast drilling in wood.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	CARTON QTY
50500	3/16"	18"	6
50485	1/4"	12"	6
50501	1/4"	18"	6
50487	1/4"	24"	4
50502	5/16"	18"	6
50490	3/8"	12"	6
50503	3/8"	18"	6
50504	1/2"	18"	6
50505	3/4"	18"	4

Pole Step Drill Bit

- Used to drill pilot hole in preparation for driving in Spike Head Ploe Steps.
- Drill a $\frac{9}{16}$ " x 4" hole.
- Accomodates a $\frac{5}{8}$ " Impact Wrench

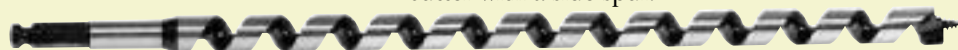


PART NUMBER	DESCRIPTION	CARTON QTY
69530	$\frac{9}{16}$ " x 4" Pole Step Drill Bit	6

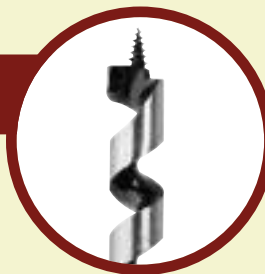


Impact Auger Bit

- Used with rotation only machines with a 3 jaw Jacobs type chuck or an impact wrench.
- Specially designed $\frac{7}{16}$ " shank for quick change chucks.
- Self-feeding screw point allows fast, effortless boring.
- Easily drill through nails embedded in wood.
- Single flute, with single cutter on cutter with a side spur.



PART NUMBER	BORE DIAMETER	OVERALL LENGTH	CHUCK SIZE	CARTON QTY
69300	$\frac{9}{16}$ "	17"	$\frac{9}{16}$ "	6
69301	$\frac{5}{8}$ "	17"	$\frac{9}{16}$ "	4
69302	$\frac{11}{16}$ "	17"	$\frac{9}{16}$ "	4
69340	$\frac{3}{4}$ "	17"	$\frac{9}{16}$ "	4
69304	$\frac{13}{16}$ "	17"	$\frac{9}{16}$ "	2
69305	$\frac{7}{8}$ "	17"	$\frac{9}{16}$ "	2
69306	$\frac{15}{16}$ "	17"	$\frac{9}{16}$ "	2
69307	1"	17"	$\frac{9}{16}$ "	2
69308	$\frac{11}{16}$ "	17"	$\frac{9}{16}$ "	1
69355	$\frac{11}{16}$ "	30"	$\frac{9}{16}$ "	6
69357	$\frac{13}{16}$ "	30"	$\frac{9}{16}$ "	6
69358	$\frac{15}{16}$ "	30"	$\frac{9}{16}$ "	6
69351	$\frac{11}{16}$ "	12"	$\frac{5}{8}$ "	6
69352	$\frac{13}{16}$ "	12"	$\frac{5}{8}$ "	6
69353	$\frac{11}{16}$ "	18"	$\frac{5}{8}$ "	6
69375	$\frac{13}{16}$ "	18"	$\frac{5}{8}$ "	6
69377	$\frac{11}{16}$ "	18"	$\frac{5}{8}$ "	6
69381	$\frac{11}{16}$ "	24"	$\frac{5}{8}$ "	6
69382	$\frac{13}{16}$ "	24"	$\frac{5}{8}$ "	6



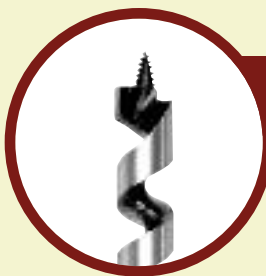
Electrician Power Bit

- Designed to fit between building studs for the installation of conduit and wire.
- Works well with angle power drills.
- Self feeding screw point.
- Shank has 2 set screw recesses for use with power bit extensions (see page T23).
- $5\frac{1}{2}$ " twist length.



PART NUMBER	BORE DIAMETER	OVERALL LENGTH	HEX SHANK	CARTON QTY
69309	$\frac{5}{8}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69310	$\frac{11}{16}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69311	$\frac{3}{4}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69312	$\frac{13}{16}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69313	$\frac{7}{8}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69314	1"	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69315	$\frac{11}{8}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1
69316	$\frac{11}{4}$ "	$8\frac{1}{2}$ "	$\frac{5}{16}$ "	1





Ship Head Auger Bit

- Used for high-speed drilling in wood.
- Specially designed to bore through telephone poles treated with creosote.
- Features a sharp rugged cutting edge, and a screw point.
- 7/16" Hex Shank diameter.



PART NUMBER	BORE DIAMETER	OVERALL LENGTH	CARTON QTY
52700	1/2"	8"	6
52701	9/16"	8"	6
52702	5/8"	8"	6
52703	11/16"	8"	6
52704	3/4"	8"	6
52705	13/16"	8"	6
52706	7/8"	8"	6
52707	15/16"	8"	6
52708	1"	8"	4
52709	1 1/8"	8"	4
52710	1 1/4"	8"	4
52711	1 3/8"	8"	4
52712	1 1/2"	8"	4

PART NUMBER	BORE DIAMETER	OVERALL LENGTH	CARTON QTY
52713	3/8"	18"	6
52714	7/16"	18"	6
52715	1/2"	18"	6
52716	9/16"	18"	4
52717	5/8"	18"	4
52718	11/16"	18"	4
52719	3/4"	18"	4
52720	13/16"	18"	2
52721	7/8"	18"	2
52722	15/16"	18"	2
52723	1"	18"	2
52724	1 1/8"	18"	1
52725	1 1/4"	18"	1
52726	1 3/8"	18"	1
52727	1 1/2"	18"	1



Carbide Tipped Fiberglass Pole Bit

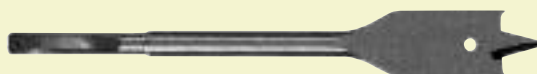
- Use with rotation only machines equipped with a three jaw Jacobs type chuck.
- Used for boring holes in composite or fiberglass poles
- Bits are manufactured from high grade Steel and have a carbide tipped point.
- For boring hollow poles only. Do not use in solid core poles.



PART NUMBER	DIAMETER	OVERALL LENGTH	FLUTE LENGTH	CARTON QTY
58302	11/16"	12"	6"	2
58304	1 1/16"	18"	6"	2
58312	1 3/16"	12"	6"	2
58314	1 5/16"	18"	6"	2

Spade Bit

- Intended for power drill use only, the centre point locates the bit and the flat steel on either side cuts away the timber.
- These bits are used to drill fairly large holes and they provide a flat bottomed hole (with a central point). They are ideal where the head of a screw/bolt needs to be recessed into the timber - always use this bit before drilling the clearance hole for the bolt.
- Hex shank prevents bit from slipping in chuck.
- Full length of bit is heat-treated.
- Larger bits require a fairly powerful drill to bore deep holes.
- Flat wood bits are not really suitable for enlarging an existing hole.



PART NUMBER	DIAMETER	LENGTH	CARTON QTY
69750	1/4"	6"	6
69751	5/16"	6"	6
69752	3/8"	6"	6
69753	1/2"	6"	6
69754	9/16"	6"	6
69755	5/8"	6"	6
69756	11/16"	6"	6
69757	3/4"	6"	6
69758	13/16"	6"	6
69759	7/8"	6"	6
69760	15/16"	6"	6
69761	1"	6"	6
69762	1 1/8"	6"	6
69763	1 1/4"	6"	6
69764	1 3/8"	6"	6
69766	3/8"	16"	6
69767	1/2"	16"	6
69768	5/8"	16"	6
69769	11/16"	16"	6
69770	3/4"	16"	6
69771	7/8"	16"	6
69772	1"	16"	6
69773	1 1/8"	16"	6
69774	1 3/8"	16"	6
69765	1 1/2"	16"	6

Extension for Auger Bit

- Provides added length for Auger Bits.
- Hex wrench and two set screws included.



PART NUMBER	SHANK DIAMETER	OVERALL LENGTH	HEAD DIAMETER	ACCEPTS BITS WITH HEX SHANK SIZE	CARTON QTY
51300	5/16"	18"	5/8"	5/16" to 11/32"	1
51301	7/16"	18"	7/8"	7/16" to 1/2"	1



Carbide Tipped Pole Bit

- Used for drilling deep holes in hard woods including CCA and creosoted utility poles.
- Double spur Carbide Tipped.
- Designed for use with rotation only drills or impact wrenches.



PART NUMBER	DRILL SIZE	OVERALL LENGTH	TWIST LENGTH	SHANK SIZE	CARTON QTY
51100	9/16"	24"	21"	5/8"	1
51101	11/16"	24"	21"	5/8"	1
51102	13/16"	24"	21"	5/8"	1
51103	15/16"	24"	21"	5/8"	1
51104	9/16"	24"	21"	7/16"	1
51105	11/16"	24"	21"	7/16"	1
51106	13/16"	24"	21"	7/16"	1
51107	15/16"	24"	21"	7/16"	1



Point Drill Bit

- Ideal for precision pre-drilling holes for easy screw insertion.
- Designed for use in wood, light metal and masonry.
- Spiral Flute designed for easy dust removal.
- Drill points for light metal have 135° split point to prevent drill from "skating".
- Drill points for wood are available in individual sizes or as a complete kit with sizes ranging from 1/16" to 11/64" by 1/16".
- All point drills have 11/64" diameter shank.



DRILL POINT FOR WOOD

PART NUMBER	SIZE	CARTON QTY
53110	1/16"	20
53150	5/64"	20
53146	3/32"	20
53152	7/64"	20
53154	1/8"	20
53156	9/64"	20
53158	5/32"	20
53145	11/64"	20
53160	Complete Set	1

DRILL POINT FOR LIGHT METAL

PART NUMBER	SIZE	CARTON QTY
53113	#30 (0.128")	20
53111	#33 (0.113")	20
53122	3/16"	20
53109	7/32"	20

CARBIDE TIP DRILL POINT

PART NUMBER	SIZE	CARTON QTY
53138	#30 (0.113")	20
53139	3/16"	20
53140	1/4"	20

Utility Knife with Quick Release

- Used to cut boxes, cardboard and lightweight materials.
- Manufactured from heavy-duty aluminum die cast.
- Accommodates international standard blades.
- Three blade positions.
- Equipped with an extra blade inside compartment.
- Butt of knife easily pulls out for quick blade change.
- Knife has smooth ergonomic design to assist installer.



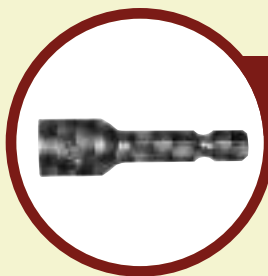
PART NUMBER	DESCRIPTION	CARTON QTY
6667	Utility Knife with Quick Release	12

15 in 1 Screwdriver

- Pull out rotating cap to store bits.
- 14 bit quick change system.
- High impact handle.
- 1/4" hex driver.



PART NUMBER	DESCRIPTION	BITS IN DRIVER	CARTON QTY
29400	15 in 1 Screwdriver	#0-#3 Phillips, #10 -#15 Star #1 - #2 Phillips, #20 - #25 Star #0 - #3 Square, #4-6 Slotted #1 - #2 Square;	1
29401	15 in 1 Tamperproof Screwdriver	#6 - #8 Spanner, #10 - #15 Star Pin #10 - #12 Spanner, #20 - #25 Star Pin 1/8" - 9/64" Hex Pin, #27 - #30 Star Pin 5/32" - 3/16" Hex Pin	1



Magnetic Hex Nut Setter

- Used to tighten hex nuts and to drive down hex tapping screws with automatic drill.
- One-piece construction.
- One quarter inch hex shank to fit the chuck of most drills.
- Manufactured from hardened multi-alloy tool steel.

PART NUMBER	HEX HEAD SIZE	LENGTH	CARTON QTY
8520	1/4"	13/4"	10
8521	5/16"	13/4"	10
8522	3/8"	13/4"	10
8523	7/16"	13/4"	10
8524	1/4"	2 1/8"	10
8525	5/16"	2 1/8"	10
8526	3/8"	2 1/8"	10
8527	7/16"	2 1/8"	10
8528	1/4"	2 9/16"	10
8529	5/16"	2 9/16"	10
8530	3/8"	2 9/16"	10
8531	7/16"	2 9/16"	10
8532	1/4"	4"	10
8533	5/16"	4"	10
8534	3/8"	4"	10
8535	7/16"	4"	10
8536	1/4"	6"	10
8537	5/16"	6"	10
8538	3/8"	6"	10
8539	7/16"	6"	10



L Wrench Kit

- 11 piece short arm hex key set.
- Black oxide finish.
- Manufactured from Hardened and Tempered Alloy Steel.
- Packed in vinyl pouch.

PART NUMBER	SIZES INCLUDED IN SET	CARTON QTY
29300	.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 1/4", 5/16"	1

Screw Driver Insert Set



PART NUMBER	DESCRIPTION	BITS IN DRIVER	CARTON QTY
29405	10 Piece Dial-A-Bit Insert Set	• #1, #2, #3 Phillips • 6-8, 8-10, 10-12 Slotted • #1, #2, #3 Square • 2⁵/₈" Bit Holder	1
29406	30 Piece Insert Bit Set with Plastic Case and Handle	• #1, #2, #3 Phillips • #0, #1, #2, #3 Square • #1, #2, #3 Posidrive • 5/64", 3/32", 7/64", 1/8", 9/64" Hex • 3-4, 4-5, 6-8, 8-10 Slotted • T10, T15, T20, T25, T30, T40 Star • 1" Long Socket Adapter • 3" Long Bit Holder	1

Magnetic Storage Handle

- Stainless Steel shaft.
- Magnetic screw drivers with insert bit storage handles.



PART NUMBER	DRIVE	DESCRIPTION	CARTON QTY
16600	1/4"	8" Magnetic Storage Handle	10
16601	5/16"	8" Magnetic Storage Handle	10

Special Application Magnetic Bit Holders (for 1/4" Inserts)

- Snap Lock Holder — pull back system locks in bits.
- Snap Lock Holder — sleeve extends up to 8" to hold screw while fastening.
- Flexible Bit Holder — can bend up to 90° for hard to reach areas.
- Lock Spring Out — quick insert/quick spring out. Locks in bits.



Sleeve Guide Holder



Snap Lock Holder

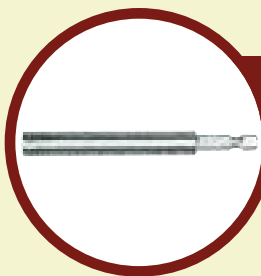


Lock Spring Out



Flexible Bit Holders

PART NUMBER	LENGTH	BODY DIA.	RETAINING RING	DESCRIPTION	CARTON QTY
16602	2"	9/16"	Yes/Lock	Snap Lock Holder	10
16603	3"	9/16"	Yes/Lock	Snap Lock Holder	10
16604	3"	7/16"	No	Sleeve Guide Holder	10
16605	5"	7/16"	No	Sleeve Guide Holder	10
16606	7 1/4"	1/2"	Yes/Ball	Flexible Bit Holder	10
16607	1 3/4"	13/16"	Lock	Lock Spring Out	10



Stainless Steel Magnetic Bit Holder

- 1/4" hex shank for use with electric drills and handheld drivers.
- For use with 1/4" insert bits.
- One piece construction for durability and strength.
- Magnetic Bit Holder has a retaining ring to prevent bits from slipping out of holder.

PART NUMBER	LENGTH	BODY DIAMETER	CARTON QTY
167881	1 13/16"	7/16"	10
167882	2 5/8"	7/16"	10
167886	3"	7/16"	10
167888	4"	7/16"	10
167889	6"	7/16"	10



Setting Tool for Drop-In Anchor

- Used to install Drop-In Anchors in concrete.

PART NUMBER	SIZE	TOOL LENGTH	CARTON QTY
1500ST	1/4"	5 5/16"	20
1501ST	3/8"	5 1/2"	5
1502ST	1/2"	6"	3
1503ST	5/8"	7"	3
1504ST	3/4"	7"	3



Setting Tool for Machine Screw Anchor

- Used to install Machine Screw Anchors in masonry.

PART NUMBER	TOOL SIZE	CARTON QTY
1400ST	#6	50
1401ST	#8	50
1402ST	#10	30
355ST	1/4"	20
1403ST	5/16"	10
1404ST	3/8"	5
356ST	1/2"	3

Hollow Wall Anchor Tool

- Used to install Anchor Wall Screws (hollow wall anchors) into drywall.
- Allows quick installation of Anchor Wall Screws, and reduces the chance of damaging the drywall.

PART NUMBER	DESCRIPTION	CARTON QTY
9998	Anchor Tool	1



Hammer Drive Tool

- Used to safely hammer drive pins into masonry.

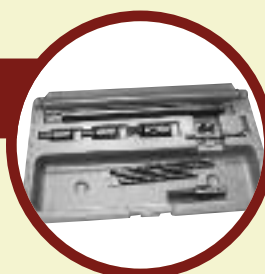
PART NUMBER	DESCRIPTION	CARTON QTY
9997	Heavy Duty Drive Tool	25



Drill Driver Kit

- Provides all the necessary tools to install B Steel Anchors (Concrete Screws).
- Each kit includes a 1/4" and 5/16" magnetic driver, sleeve, masonry bit adapter, Phillips bit adapter, 1/8" hex key, #2 and #3 Phillips bit.
- Manufactured in the United States.

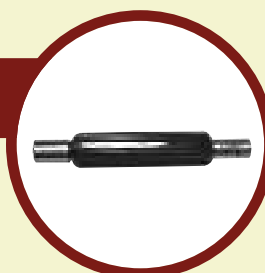
PART NUMBER	DESCRIPTION	BELL NUMBER	CARTON QTY
443	C Drill Driver Kit	402378236	1



3/8" - 7/16" Can Wrench

- Used in placing fuses in cable terminals and making various connections for installing CATV and telephone systems.
- Ergonomic plastic handle is both durable and easy to use.

PART NUMBER	DESCRIPTION	CARTON QTY
38716	3/8" - 7/16" Can Wrench	1



Spanner
Tamperproof

Square Recess



Hex Insert



Hex Tamperproof

Square Recess Insert Bits

PART NUMBER	DRIVE	SCREW SIZE	LENGTH	CARTON QTY
1632	Square Recess	#3-4	1"	10
1633	Square Recess	#5-7	1"	10
1634	Square Recess	#8-10	1"	10
1635	Square Recess	#12-14	1"	10
1636	Square Recess	#5-7	2"	3
1637	Square Recess	#5-7	2 ³ / ₄ "	10
1638	Square Recess	#5-7	3"	10
1639	Square Recess	#5-7	3 ¹ / ₂ "	10
1640	Square Recess	#5-7	4"	10
1641	Square Recess	#5-7	5"	10
1642	Square Recess	#5-7	6"	10
1643	Square Recess	#8-10	2"	10
1644	Square Recess	#8-10	2 ¹ / ₂ "	10
1645	Square Recess	#8-10	2 ³ / ₄ "	10
1646	Square Recess	#8-10	3"	10
1647	Square Recess	#8-10	3 ¹ / ₂ "	10
1648	Square Recess	#8-10	4"	10
1649	Square Recess	#8-10	5"	10
1650	Square Recess	#8-10	6"	10
1651	Square Recess	#12-14	2"	10
1652	Square Recess	#12-14	2 ³ / ₄ "	10
1653	Square Recess	#12-14	3 ¹ / ₂ "	10
1654	Square Recess	#12-14	4"	10
1655	Square Recess	#12-14	5"	10
1656	Square Recess	#12-14	6"	10
16571	Hex Insert	#2-3 Socket Cap or #8 Set Screw	1"	10
16572	Hex Insert	#4-5 Socket Cap or #10 Set Screw	1"	10
16573	Hex Insert	#6 Socket Cap Screw	1"	10
16574	Hex Insert	1/4" Set Screw	1"	10
16575	Hex Insert	#10 Socket Cap or 5/16" Set Screw	1"	10
16576	Hex Insert	1/4" Socket Cap or 3/8" Set Screw	1 1/4"	10
16577	Hex Insert	7/16" Set Screw	1 1/4"	10
16578	Hex Insert	5/16" Socket Cap or 1/2" Set Screw	1 1/4"	10
16579	Hex Tamperproof	#4-5 Socket Cap or #10 Set Screw	1"	10
16580	Hex Tamperproof	1/4" Socket Cap Screw	1"	10
16581	Hex Tamperproof	#8 Socket Cap Screw	1"	10
16582	Hex Tamperproof	#10 Socket Cap or 5/16" Set Screw	1"	10
16583	Hex Tamperproof	1/4" Socket Cap or 3/8" Set Screw	1"	10
16584	Hex Tamperproof	7/16" Set Screw	1"	10
16585	Hex Tamperproof	5/16" Socket Cap or 1/2" Set Screw	1"	10
16586	Hex Tamperproof	3/8" Socket Cap or 5/8" Set Screw	1"	10
16587	Spanner Tamperproof	#6	1"	10
16588	Spanner Tamperproof	#8	1"	10
16589	Spanner Tamperproof	#10	1"	10
16590	Spanner Tamperproof	#12	1"	10

Industrial Screwdriver Bit

- Used in conjunction with insert type screwdrivers and automatic drills.
- One-quarter inch hex shank to fit the chuck of most drills.
- Manufactured from hardened multi-alloy tool Steel
- A #2 Phillip drive is used for #6, #8 and #10 screws. A #3 Phillip drive is used for #12, #14 and #18 screws.

Phillip



Slotted



PART NUMBER	DRIVE	POINT NO./SCREW SIZE	LENGTH	CARTON QTY
1600	Phillip	2	1"	10
1601	Phillip	2	2 ³ / ₄ "	10
1602	Phillip	2	3"	10
1603	Phillip	2	3 ¹ / ₂ "	10
1604	Phillip	2	4"	10
1605	Phillip	2	5"	10
1606	Phillip	2	6"	10
1607	Phillip	3	1"	10
1608	Phillip	3	2 ³ / ₄ "	10
1609	Phillip	3	3"	10
1610	Phillip	3	3 ¹ / ₂ "	10
1611	Phillip	3	4"	10
1612	Phillip	3	5"	10
1613	Phillip	3	6"	10
1614	Slotted	#6-8	2"	10
1615	Slotted	#8-10	2"	10
1616	Slotted	#10-12	2"	10
1617	Slotted	#6-8	3"	10
1618	Slotted	#8-10	3"	10
1619	Slotted	#10-12	3"	10
1620	Slotted	#12-14	3"	10
1621	Slotted	#14-18	3"	10
1622	Slotted	#6-8	3 ¹ / ₂ "	10
1623	Slotted	#8-10	3 ¹ / ₂ "	10
1624	Slotted	#10-12	3 ¹ / ₂ "	10
1625	Slotted	#12-14	3 ¹ / ₂ "	10
1626	Slotted	#14-18	3 ¹ / ₂ "	10
1627	Slotted	#6-8	6"	10
1628	Slotted	#8-10	6"	10
1629	Slotted	#10-12	6"	10
1630	Slotted	#12-14	6"	10
1631	Slotted	#14-18	6"	10

