



Quarrying

Plug Drills

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Quarrying Supplies

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Plug Drills

PNEUMATIC ROCK DRILLS

4102 HARPER

12 lb Class
D-Handle
7/8" Hex X 3-1/4" Chuck



DS Item #	Description
24014729	Harper 4102 Rock Drill 12 Lb Class

4103 HARPER

15 lb Class
D-Handle
Latch Retainer
3/4" Hex x 3 1/4" Chuck



DS Item #	Description
24014772	Harper 4103 Rock Drill 15 lb Class

BBD12D ATLAS COPCO

12 lb Class
D-Handle
Latch Retainer
3/4" Hex x 4-1/4" Shank
Shown with silencer option
Model BBD12DC
Comes with Cap Retainer



DS Item #	Description
24014776	Atlas Copco BBD12 Rock Drill 12 lb Class

SECTION 23. QUARRYING

DS TECH TIP

PNEUMATIC ROCK DRILL REFERENCE CHART

Drill Model	Weight	Length	Air Required	BPM	Retainer	Hex & Chuck
4102	12 Lbs	14-1/2"	28 CFM	3200	Chuck	7/8" x 3-1/4"
4103	19 Lbs	18-3/8"	33.3 CFM	2550	Latch	7/8" x 3-1/4"
4105	7.5 Lbs	14-1/2"	24.7 CFM	2600	Chuck	.573 hex (U7)
BBD12D	23 Lbs	22-7/32"	47 CFM	2580	Latch	3/4" x 4-1/4"
BBD12DC	23 Lbs	22-1/32"	47 CFM	2580	Cap	3/4" x 4-1/4"

Depending on the Model of your specific unit, the drill bit (chuck size) may have to be verified. Please measure the Hex size and length.

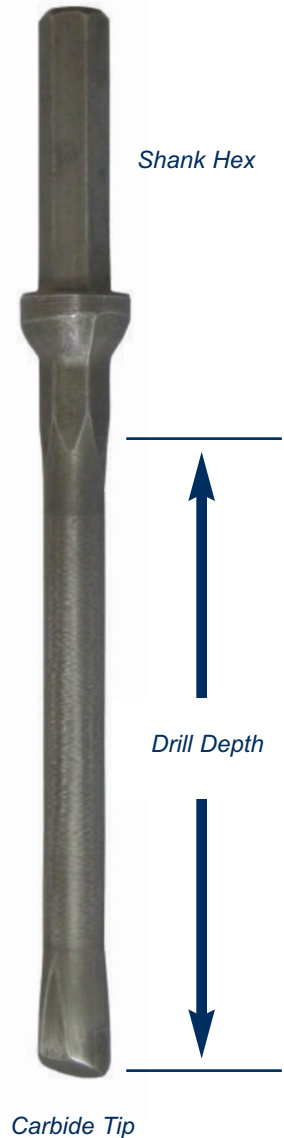


Quarrying Supplies

INTEGRAL PLUG DRILL BIT

Integral plug drill bits are available in a variety of hole sizes (CT), drill depths (DD) and shank sizes for your specific Rock Drill. Verify the shank Hex size and length to assure you receive the correct bit for your unit.

DS Item #	Description	Carbide Tip	Drill Depth	Shank Size
25115005	Plug Drill Bit	3/4" CT	6"	3/4" x 3-1/4" HEX
25115006	Plug Drill Bit	5/8" CT	5"	3/4" x 4-1/4" HEX
25115009	Plug Drill Bit	3/4" CT	12"	7/8" x 4-1/4" HEX
25115010	Plug Drill Bit	3/4" CT	7"	3/4" x 3-1/4" HEX
25115011	Plug Drill Bit	7/8" CT	14"	3/4" x 3-1/4" HEX
25115012	Plug Drill Bit	1-1/4" CT	14"	3/4" x 3-1/4" HEX
25115020	Plug Drill Bit	5/8" CT	7"	3/4" x 3-1/4" HEX
25115021	Plug Drill Bit	3/4" CT	7"	3/4" x 3-1/4" HEX
25115022	Plug Drill Bit	3/4" CT	17"	3/4" x 3-1/4" HEX
25115023	Plug Drill Bit	7/8" CT	7"	3/4" x 3-1/4" HEX
25115024	Plug Drill Bit	7/8" CT	9"	3/4" x 3-1/4" HEX
25115025	Plug Drill Bit	1" CT	12"	3/4" x 3-1/4" HEX
25115030	Plug Drill Bit	1/2" CT	6"	7/8" x 3-1/4" HEX
25115031	Plug Drill Bit	5/8" CT	6"	7/8" x 3-1/4" HEX
25115032	Plug Drill Bit	3/4" CT	7"	7/8" x 3-1/4" HEX
25115033	Plug Drill Bit	7/8" CT	7"	7/8" x 3-1/4" HEX
25115034	Plug Drill Bit	1" CT	8"	7/8" x 3-1/4" HEX
25115035	Plug Drill Bit	1-1/8" CT	13"	7/8" x 3-1/4" HEX
25115036	Plug Drill Bit	1-1/4" CT	13"	7/8" x 3-1/4" HEX
25115040	Plug Drill Bit	5/8" CT	7"	3/4" x 4-1/4" HEX
25115041	Plug Drill Bit	3/4" CT	7"	3/4" x 4-1/4" HEX
25115042	Plug Drill Bit	7/8" CT	8"	3/4" x 4-1/4" HEX
25115043	Plug Drill Bit	1" CT	9"	3/4" x 4-1/4" HEX
25115044	Plug Drill Bit	3/4" CT	16"	3/4" x 4-1/4" HEX
25115050	Plug Drill Bit	3/4" CT	7"	7/8" x 4-1/4" HEX
25115051	Plug Drill Bit	3/4" CT	17"	7/8" x 4-1/4" HEX
25115052	Plug Drill Bit	7/8" CT	7"	7/8" x 4-1/4" HEX
25115053	Plug Drill Bit	7/8" CT	11"	7/8" x 4-1/4" HEX
25115054	Plug Drill Bit	7/8" CT	17"	7/8" x 4-1/4" HEX
25115055	Plug Drill Bit	1" CT	13"	7/8" x 4-1/4" HEX



To sharpen your Carbide Bits, Silicone Carbide Green Grinding Wheels or Specific Diamond pads are recommended. **See Hand Tool Maintenance in section 22 Hand Carving & Cutting Tools.**



For Wedge & Shims, **See Splitting Equipment in section 22 Hand Carving & Cutting Tools.**



Quarrying Supplies

U7 STYLE DRILL BITS



DS Item #	Description
25115000	1/2" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015095	1/2" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015108	9/16" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015109	9/16" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015104	5/8" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015105	5/8" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015102	3/4" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015103	3/4" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015106	7/8" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015107	7/8" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015100	1" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015101	1" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015098	1-1/8" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015099	1-1/8" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX
26015096	1-1/4" CT 8" DD x 13" Overall U7 shank 9/16" 1-3/4 HEX
26015097	1-1/4" CT 12" DD x 16" Overall U7 shank 9/16" 1-3/4 HEX

CLECO DRILL STYLE BITS



DS Item #	Description
26015313	1/4" CT x 4-1/2" DD cleco hollow drill (solid)
26015325	5/16" CT x 4-1/2" DD cleco hollow drill
26015321	3/8" CT x 4-1/2" DD cleco hollow drill
26015308	1/2" CT x 2-1/4" DD cleco hollow drill
26015309	1/2" CT x 4-1/2" DD cleco hollow drill
26015310	1/2" CT x 6-1/2" DD cleco hollow drill
26015311	1/2" CT x 8-1/2" DD cleco hollow drill
26015326	5/8" CT x 3-1/2" DD cleco hollow drill
26015327	5/8" CT x 4-1/2" DD cleco hollow drill
26015328	5/8" CT x 6-1/2" DD cleco hollow drill
26015329	5/8" CT x 8-1/2" DD cleco hollow drill
26015317	3/4" CT x 4" DD cleco hollow drill
26015316	3/4" CT x 4-1/2" DD cleco hollow drill
26015318	3/4" CT x 6-1/2" DD cleco hollow drill
26015319	3/4" CT x 8" DD cleco hollow drill
26015330	7/8" CT x 4-1/2" DD cleco hollow drill
26015315	1" CT x 4-1/2" DD cleco hollow drill
26015314	1-1/4" CT x 4-1/2" DD cleco hollow drill

SECTION 23. QUARRYING

TAPERED DRILL STEEL

Tapered Drill Steel is used for deeper holes, and is not practical for all hand held drills. They are available in different lengths to allow drilling in stages exchanging the same bit to each drilling stage.

12° Taper (bit end)
7/8" x 4-1/4" Hex Shank

The most popular bits are the Cross Bit and Button Bit type, the 12° taper match that of the drill steel.



BITS

DS Item #	Description
25114887	1-1/4" Cross Bit (12° taper)
25114884	1-1/2" Cross Bit (12° taper)
25114881	1-1/4" Button Bit (12° taper), long skirt
25114951	1-1/4" Button Bit (12° taper) gold

RODS

DS Item #	Description
25114931	2 ft. Drill Depth
25114932	4 ft. Drill Depth
25114913	6 ft. Drill Depth
25114914	8 ft. Drill Depth
25114907	10 ft. Drill Depth
25114908	12 ft. Drill Depth
25114910	14 ft. Drill Depth
25114911	16 ft. Drill Depth
25114912	18 ft. Drill Depth

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