

DRAG BIT



4-Wing



3-Wing

Three and four-wing drag bits are used when rotary drilling through hollow stem auger or with standard mud/air rotary functions in formations not requiring hard rock bits. A rod box to rod box sub is required for pin down tool strings, see subs, in this section. Sizes are identified by the hole diameter they drill. Larger sizes available on special order.

Description	Lb/Kg	Part No.
2" (51mm), AW Pin.....	2 (.9)	005725
2-1/4" (57mm), AW Pin.....	2 (.9)	005726
2-1/2" (64mm), AW Pin.....	3 (1.4)	005727
2-3/4" (70mm), AW Pin.....	4 (1.8)	005728
3" (76mm), NW Pin.....	4 (1.8)	006720
3-1/4" (83mm), NW Pin.....	5 (2.3)	006721
3-1/2" (89mm), NW Pin.....	6 (2.7)	006722
3-3/4" (95mm), NW Pin.....	6 (2.7)	006723
4" (102mm), 2-3/8" (60mm) API Reg Pin.....	7 (3.2)	005733
4-1/4" (108mm), 2-3/8" (60mm) API Reg Pin.....	7 (3.2)	005734
4-1/2" (114mm), 2-3/8" (60mm) API Reg Pin.....	8 (3.6)	005735
4-3/4" (121mm), 2-3/8" (60mm) API Reg Pin.....	9 (4.1)	006650
5" (127mm), 2-3/8" (60mm) API Reg Pin.....	14 (6.4)	006651
5-1/4" (133mm), 3-1/2" (89mm) API Reg Pin.....	16 (7.3)	006652
5-1/2" (140mm) API Reg Pin.....	17 (7.7)	006653
5-5/8" (143mm), 3-1/2" (89mm) API Reg Pin.....	18 (8.2)	006654
6" (152mm), 3-1/2" (89mm) API Reg Pin.....	19 (8.6)	006655
2" (51mm), AW Pin.....	2 (.9)	005708
2-1/4" (57mm), AW Pin.....	2 (.9)	005709
2-1/2" (64mm), AW Pin.....	3 (1.4)	005710
2-3/4" (70mm), AW Pin.....	4 (1.8)	005711
3" (76mm), NW Pin.....	5 (2.3)	006724
3-1/4" (83mm), NW Pin.....	6 (2.7)	006725
3-1/2" (89mm), NW Pin.....	6 (2.7)	006726
3-3/4" (95mm), NW Pin.....	7 (3.2)	006727
4" (102mm), 2-3/8" (60 mm) API Reg Pin.....	8 (3.6)	005716
4-1/4" (108mm), 2-3/8" (60mm) API Reg Pin.....	9 (4.1)	005717
4-1/2" (114mm), 2-3/8" (60 mm) API Reg Pin.....	10 (4.5)	005718
4-3/4" (121mm), 2-3/8" (60mm) API Reg Pin.....	11 (5)	006661
5" (127mm), 2-3/8" (60mm) API Reg Pin.....	17 (7.7)	006662
5-1/4" (133mm), 3-1/2" (89mm) API Reg Pin.....	19 (8.6)	006663
5-1/2" (140mm), 3-1/2" (89mm) API Reg Pin.....	19 (8.6)	006664
5-5/8" (143mm), 3-1/2" (89mm) API Reg Pin.....	20 (9.1)	006665
6" (152mm), 3-1/2" (89mm) API Reg Pin.....	21 (9.5)	006666

Key: * Designates weights less than 1 lb (.5kg)

† Consult Factory

5

3-CONE ROLLER ROCK CHISEL BIT



4-Wing



3-Wing

Important: When ordering, be sure to specify A or D type formations to be drilled:

- A** = soft formations of shale, anhydrites, gypsum, talc, chalk-fast cutting.
- D** = hard formations such as limestone, cherry limestone, dolomite and abrasive sandstone.

For water drilling specify "Fluid Type" or for air drilling specify "Air Flush." A Rod Box To Rod Box Sub is required for pin down tool strings, see Subs in this section. Sizes are identified by the hole diameter they drill. Other sizes and formation types available upon request.

Description	Lb/Kg	Part No.
2-7/8" (73mm), NW Pin	3 (1.4)	006728
2-15/16" (75mm), NW Pin	3 (1.4)	006729
3-1/8" (79mm), NW Pin	4 (1.8)	006730
3-1/4" (83mm), NW Pin	5 (2.3)	006731
3-1/2" (89mm), 2-3/8" (60mm) API Reg Pin	4 (1.8)	005746
3-3/4" (95mm), 2-3/8" (60mm) API Reg Pin	6 (2.7)	001525
3-7/8" (98mm), 2-3/8" (60mm) API Reg Pin	3 (1.4)	005747
4-1/4" (108mm), 2-3/8" (60mm) API Reg Pin	9 (4.1)	001526
4-1/2" (89mm), 2-3/8" (60mm) API Reg Pin	10 (4.5)	005750
4-3/4" (121mm), 2-7/8" (73mm) API Reg Pin	14 (6.4)	001527
5-5/8" (143mm), 3-1/2" (89mm) API Reg Pin	21 (9.5)	001528
6-1/4" (89mm), 2-3/8" (60mm) API Reg Pin	26 (11.8)	001529

3-CONE TUNGSTEN CARBIDE ROLLER BIT



Tough roller cone rock bits with carbide inserts set in a heat-treated body. Available with chisel buttons (shown) and dome buttons. For water drilling specify "Fluid Type" or for air drilling specify "Air Flush." Rod Box To Rod Box Adapters are required for pin down tool strings, see Adapters in this section. Sizes are identified by the hole diameter they drill.

FLUID FLUSH TYPE

Description	Lb/Kg	Part No.
3" (76mm), Chisel, NW Pin	3 (1.4)	180379-02
3-1/8" (79mm), Chisel, NW Pin	4 (1.8)	180379-03
3-1/4" (83mm), Chisel, NW Pin	3 (1.4)	180379-04
2-15/16" (75mm), Small Dome, NW Pin	3 (1.4)	180381-01
3" (76mm), Small Dome, NW Pin	3 (1.4)	180381-02
3-1/8" (79mm), Small Dome, NW Pin	4 (1.8)	180381-03
3-1/4" (83mm), Small Dome, NW Pin	3 (1.4)	180381-04
2-15/16" (75mm), Medium Dome, NW Pin	3 (1.4)	180380-01
3" (76mm), Medium Dome, NW Pin	3 (1.4)	180380-02
3-1/8" (79mm), Medium Dome, NW Pin	4 (1.8)	180380-03
3-1/4" (83mm), Medium Dome, NW Pin	3 (1.4)	180380-04
3-1/2" (89mm), Chisel,		
2-3/8" (60mm) API Reg Pin	4 (1.8)	180379-05
3-3/4" (95mm), Chisel,		
2-3/8" (60mm) API Reg Pin	6 (2.7)	180379-06
3-7/8" (98mm), Chisel,		
2-3/8" (60mm) API Reg Pin	6 (2.7)	180379-07
4" (102mm), Chisel,		
2-3/8" (60mm) API Reg Pin	8 (3.6)	180379-08
4-1/8" (105mm), Chisel,		
2-3/8" (60mm) API Reg Pin	8 (3.6)	180379-09
4-1/4" (108mm), Chisel,		
2-3/8" (60mm) API Reg Pin	9 (4.1)	180379-10
4-1/2" (114mm), Chisel,		
2-3/8" (60mm) API Reg Pin	9 (4.1)	180379-11
3-1/2" (89mm), Small Dome,		
2-3/8" (60mm) API Reg Pin	4 (1.8)	180381-05
3-3/4" (95mm), Small Dome,		
2-3/8" (60mm) API Reg Pin	6 (2.7)	180381-06
3-7/8" (98mm), Small Dome,		
2-3/8" (60mm) API Reg Pin	6 (2.7)	180381-07
4" (102mm), Small Dome,		
2-3/8" (60mm) API Reg Pin	8 (3.6)	180381-08
4-1/8" (105mm), Small Dome,		
2-3/8" (60mm) API Reg Pin	8 (3.6)	180381-09
4-1/4" (108mm), Small Dome,		
2-3/8" (60mm) API Reg Pin	9 (4.1)	180381-10

Continued on next page

DRILL ROD, SUBS, ROTARY TOOLS, AND BITS

5

4-1/2" (114mm), Small Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180381-11
3-1/2" (89mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	4 (1.8).....	180380-05
3-3/4" (95mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180380-06
3-7/8" (98mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180380-07
4" (102mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180380-08
4-1/8" (105mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180380-09
4-1/4" (108mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180380-10
4-1/2" (114mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180380-11
4-3/4" (121mm), Chisel, 2-7/8" (73mm) API Reg Pin	11 (5).....	180379-12
4-7/8" (124mm), Chisel, 2-7/8" (73mm) API Reg Pin	14 (6.4).....	180379-13
5" (127mm), Chisel, 2-7/8" (73mm) API Reg Pin	19 (8.6).....	180379-14
5-1/8" (130mm), Chisel, 2-7/8" (73mm) API Reg Pin	21 (9.5).....	180379-15
4-3/4" (121mm), Small Dome, 2-7/8" (73mm) API Reg Pin	11 (5).....	180381-12
4-7/8" (124mm), Small Dome, 2-7/8" (73mm) API Reg Pin	14 (6.4).....	180381-13
5" (127mm), Small Dome, 2-7/8" (73mm) API Reg Pin	19 (8.6).....	180381-14
5-1/8" (130mm), Small Dome, 2-7/8" (73mm) API Reg Pin	21 (9.5).....	180381-15
4-3/4" (121mm), Medium Dome, 2-7/8" (73mm) API Reg Pin	11 (5).....	180380-12
4-7/8" (124mm), Medium Dome, 2-7/8" (73mm) API Reg Pin	14 (6.4).....	180380-13
5" (127mm), Medium Dome, 2-7/8" (73mm) API Reg Pin	19 (8.6).....	180380-14
5-1/8" (130mm), Medium Dome, 2-7/8" (73mm) API Reg Pin	21 (9.5).....	180380-15
5-5/8" (143mm), Chisel, 3-1/2" (89mm) API Reg Pin	22 (10).....	180379-16
6" (152mm), Chisel, 3-1/2" (89mm) API Reg Pin	23 (10.4).....	180379-17
6-1/8" (156mm), Chisel, 3-1/2" (89mm) API Reg Pin	24 (10.9).....	180379-18
6-1/4" (159mm), Chisel, 3-1/2" (89mm) API Reg Pin	26 (11.8).....	180379-19
5-5/8" (143mm), Small Dome, 3-1/2" (89mm) API Reg Pin	22 (10).....	180381-16
6" (152mm), Small Dome, 3-1/2" (89mm) API Reg Pin	23 (10.4).....	180381-17
6-1/8" (156mm), Small Dome, 3-1/2" (89mm) API Reg Pin	24 (10.9).....	180381-18
6-1/4" (159mm), Small Dome, 3-1/2" (89mm) API Reg Pin	26 (11.8).....	180381-19
5-5/8" (143mm), Medium Dome, 3-1/2" (89mm) API Reg Pin	22 (10).....	180380-16
6" (152mm), Medium Dome, 3-1/2" (89mm) API Reg Pin	23 (10.4).....	180380-17
6-1/8" (156mm), Medium Dome, 3-1/2" (89mm) API Reg Pin	24 (10.9).....	180380-18
6-1/4" (159mm), Medium Dome, 3-1/2" (89mm) API Reg Pin	26 (11.8).....	180380-19

AIR FLUSH TYPE		
Description	Lb/Kg	Part No.
2-15/16" (75mm), Chisel, NW Pin	3 (1.4).....	180382-01
3" (76mm), Chisel, NW Pin	3 (1.4).....	180382-02
3-1/8" (79mm), Chisel, NW Pin	4 (1.8).....	180382-03
3-1/4" (83mm), Chisel, NW Pin	3 (1.4).....	180382-04
2-15/16" (75mm), Small Dome, NW Pin	3 (1.4).....	180384-01
3" (76mm), Small Dome, NW Pin	3 (1.4).....	180384-02
3-1/8" (79mm), Small Dome, NW Pin	4 (1.8).....	180384-03
3-1/4" (83mm), Small Dome, NW Pin	3 (1.4).....	180384-04
2-15/16" (75mm), Medium Dome, NW Pin	3 (1.4).....	180383-01
3" (76mm), Medium Dome, NW Pin	3 (1.4).....	180383-02
3-1/8" (79mm), Medium Dome, NW Pin	4 (1.8).....	180383-03
3-1/4" (83mm), Medium Dome, NW Pin	3 (1.4).....	180383-04
3-1/2" (89mm), Chisel, 2-3/8" (60mm) API Reg Pin	4 (1.8).....	180382-05
3-3/4" (95mm), Chisel, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180382-06
3-7/8" (98mm), Chisel, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180382-07
4" (102mm), Chisel, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180382-08
4-1/8" (105mm), Chisel, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180382-09
4-1/4" (108mm), Chisel, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180382-10
4-1/2" (114mm), Chisel, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180382-11
3-1/2" (89mm), Small Dome, 2-3/8" (60mm) API Reg Pin	4 (1.8).....	180384-05
3-3/4" (95mm), Small Dome, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180384-06
3-7/8" (98mm), Small Dome, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180384-07
4" (102mm), Small Dome, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180384-08
4-1/8" (105mm), Small Dome, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180384-09
4-1/4" (108mm), Small Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180384-10
4-1/2" (114mm), Small Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180384-11
3-1/2" (89mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	4 (1.8).....	180383-05
3-3/4" (95mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180383-06
3-7/8" (98mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	6 (2.7).....	180383-07
4" (102mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180383-08
4-1/8" (105mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	8 (3.6).....	180383-09
4-1/4" (108mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180383-10
4-1/2" (114mm), Medium Dome, 2-3/8" (60mm) API Reg Pin	9 (4.1).....	180383-11
4-3/4" (121mm), Chisel, 2-7/8" (73mm) API Reg Pin	11 (5).....	180382-12
4-7/8" (124mm), Chisel, 2-7/8" (73mm) API Reg Pin	14 (6.4).....	180382-13
5" (127mm), Chisel, 2-7/8" (73mm) API Reg Pin	19 (8.6).....	180382-14

Continued on next page

Key: * Designates weights less than 1 lb (.5kg)

† Consult Factory

5-11

DRILL ROD, SUBS, ROTARY TOOLS, AND BITS

5

5-1/8" (130mm), Chisel,		
2-7/8" (73mm) API Reg Pin.....	21 (9.5).....	180382-15
4-3/4" (121mm), Small Dome,		
2-7/8" (73mm) API Reg Pin.....	11 (5).....	180384-12
4-7/8" (124mm), Small Dome,		
2-7/8" (73mm) API Reg Pin.....	14 (6.4).....	180384-13
5" (127mm), Small Dome,		
2-7/8" (73mm) API Reg Pin.....	19 (8.6).....	180384-14
5-1/8" (130mm), Small Dome,		
2-7/8" (73mm) API Reg Pin.....	21 (9.5).....	180384-15
4-3/4" (121mm), Medium Dome,		
2-7/8" (73mm) API Reg Pin.....	11 (5).....	180383-12
4-7/8" (124mm), Medium Dome,		
2-7/8" (73mm) API Reg Pin.....	14 (6.4).....	180383-13
5" (127mm), Medium Dome,		
2-7/8" (73mm) API Reg Pin.....	19 (8.6).....	180383-14
5-1/8" (130mm), Medium Dome,		
2-7/8" (73mm) API Reg Pin.....	21 (9.5).....	180383-15
5-5/8" (143mm), Chisel,		
3-1/2" (89mm) API Reg Pin.....	22 (10).....	180382-16
6" (152mm), Chisel,		
3-1/2" (89mm) API Reg Pin.....	23 (10.4).....	180382-17
6-1/8" (156mm), Chisel,		
3-1/2" (89mm) API Reg Pin.....	24 (10.9).....	180382-18
6-1/4" (159mm), Chisel,		
3-1/2" (89mm) API Reg Pin.....	26 (11.8).....	180382-19
5-5/8" (143mm), Small Dome,		
3-1/2" (89mm) API Reg Pin.....	22 (10).....	180384-16
6" (152mm), Small Dome,		
3-1/2" (89mm) API Reg Pin.....	23 (10.4).....	180384-17
6-1/8" (156mm), Small Dome,		
3-1/2" (89mm) API Reg Pin.....	24 (10.9).....	180384-18
6-1/4" (159mm), Small Dome,		
3-1/2" (89mm) API Reg Pin.....	26 (11.8).....	180384-19
5-5/8" (143mm), Medium Dome,		
3-1/2" (89mm) API Reg Pin.....	22 (10).....	180383-16
6" (152mm), Medium Dome,		
3-1/2" (89mm) API Reg Pin.....	23 (10.4).....	180383-17
6-1/8" (156mm), Medium Dome,		
3-1/2" (89mm) API Reg Pin.....	24 (10.9).....	180383-18
6-1/4" (159mm), Medium Dome,		
3-1/2" (89mm) API Reg Pin.....	26 (11.8).....	180383-19