

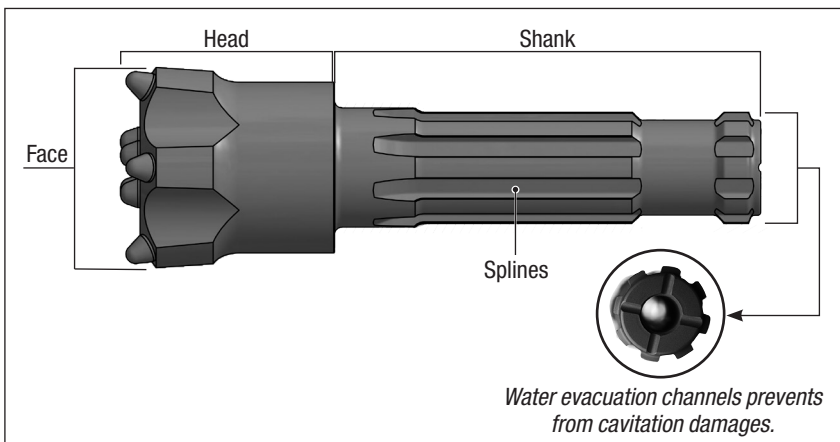
# WATER-POWERED DRILLING

## TECHNICAL SPECIFICATION: DRILL BITS

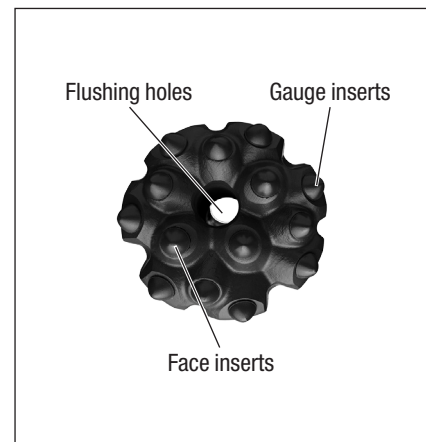


Wassara is offering drill bits optimized for the water-powered drilling technology, designed to ensure a long hammer life. They have a front designed for optimal efficiency with dedicated water channels on the striking face. We strongly recommend following the recommendations in the Wassara Selection Guide to get the best drilling performance.

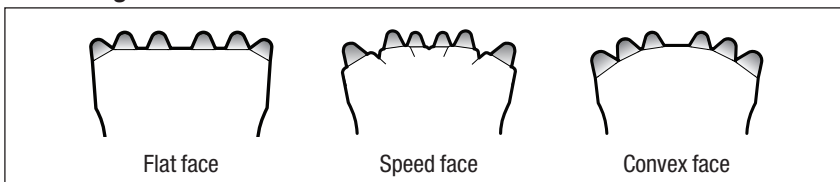
### Bit design



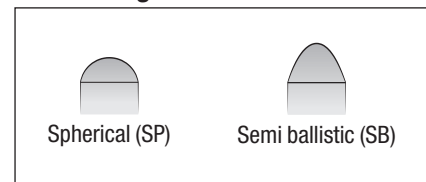
### Head design



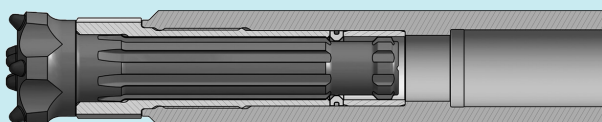
### Face design



### Insert design



### Wassara W-bit (currently available for W70)



The unique and patented W-bit incorporates a longer shank design, but with a similar weight as a standard bit. This gives a more efficient energy transfer, reduced spline wear and straighter boreholes.

# WASSARA DRILL BITS SELECTION GUIDE

METRIC

Bit size diam.	Hammer	Face design	Flushing holes	Gauge inserts				Face inserts				Shank type	Head length	Weight	Total length	Part number
				Qty	Diam.	Material <sup>1)</sup>	Shape	Qty <sup>2)</sup>	Diam.	Material <sup>1)</sup>	Shape					
60 mm (2 3/8")	W50	Flat	2	8	9 mm	TC	SB	6	8 mm	TC	SB	Wassara 2	55 mm	1.5 kg	194 mm	3000015
64 mm (2 1/2")	W50	Flat	2	8	9 mm	TC	SB	6	8 mm	TC	SB	Wassara 2	55 mm	1.5 kg	194 mm	3000017
82 mm (3 1/4")	W70	Convex	1	10	10 mm	TC	SB	7	10 mm	TC	SB	W-bit 70	50 mm	3.9 kg	290 mm	3000196
89 mm (3 1/2")	W70	Speed	2	7	13 mm	TC	SB	6	13 mm	TC	SB	W-bit 70	70 mm	4.8 kg	305 mm	3000125
95 mm (3 3/4")	W80	Speed	2	7	13 mm	TC	SB	4+2	13 mm	TC	SB	Wassara 3.5	73 mm	5.5 kg	254 mm	3000011
102 mm (4")	W80	Speed	2	8	14 mm	TC	SB	6+2	11 mm	TC	SB	Wassara 3.5	70 mm	5.6 kg	254 mm	3000126
115 mm (4 1/2")	W100	Speed	2	8	14 mm	TC	SB	4+4	14 mm	TC	SB	Wassara 340	89 mm	8.4 kg	298 mm	3000021
120 mm (4 3/4")	W100	Speed	2	9	13 mm	TC	SB	7+5	13 mm	TC	SB	Wassara 340	78 mm	8.5 kg	288 mm	3000029
127 mm (5")	W100	Convex	2	10	14 mm	TC	SB	4+4	14 mm	TC	SB	Wassara 340	90 mm	9.7 kg	304 mm	3000031
130 mm (5 1/8")	W120	Convex	3	9	14 mm	TC	SB	6+4	14 mm	TC	SB	Wassara 350	98 mm	16 kg	358 mm	3000013
140 mm (5 1/2")	W120	Convex	3	9	14 mm	TC	SB	6+4	14 mm	TC	SB	Wassara 350	98 mm	16 kg	358 mm	3000059
152 mm (6")	W120	Convex	2	10	16 mm	TC	SB	6+4	16 mm	TC	SB	Wassara 350	98 mm	17 kg	358 mm	3000061*
165 mm (6 1/2")	W150	Convex	3	9	16 mm	TC	SB	6+6	16 mm	TC	SB	Wassara 360	100 mm	25 kg	408 mm	3000062
178 mm (7")	W150	Convex	2	10	16 mm	TC	SB	6+8	16 mm	TC	SB	Wassara 360	100 mm	27 kg	408 mm	3000128*
190 mm (7 1/2")	W150	Convex	2	10	16 mm	TC	SB	6+8	16 mm	TC	SB	Wassara 360	92 mm	27 kg	400 mm	3000064*
203 mm (8")	W150	Convex	3	9	19 mm	TC	SB	6+6	19 mm	TC	SB	Wassara 360	100 mm	29 kg	408 mm	3000041*
216 mm (8 1/2")	W200	Convex	3	9	19 mm	TC	SB	6+7	19 mm	TC	SB	Wassara 380	124 mm	54 kg	474 mm	3000079
254 mm (10")	W200	Convex	3	12	19 mm	TC	SB	6+10	19 mm	TC	SB	Wassara 380	160 mm	61 kg	510 mm	3000085*
152 mm (6")	W100 JG	Convex	2	9	14 mm	TC	SB	18	14 mm	TC	SB	Wassara 340	94 mm	13 kg	304 mm	3000194
165 mm (6 1/2")	W100 JG	Convex	2	10	14 mm	TC	SB	6+8	14 mm	TC	SB	Wassara 340	86 mm	13 kg	294 mm	3000201

Patented design, W-bit, by LKAB Wassara 1) TC (Tungsten carbide) 2) Second row & front \*) Availability on request

1400041\_met, Wassara Bits product data sheet, 2021.01. All specifications can be changed without notice.



# WASSARA DRILL BITS SELECTION GUIDE

IMPERIAL

Bit size diam.	Hammer	Face design	Flushing holes	Gauge inserts				Face inserts				Shank type	Head length	Weight	Total length	Part number
				Qty	Diam.	Material <sup>1)</sup>	Shape	Qty <sup>2)</sup>	Diam.	Material <sup>1)</sup>	Shape					
2 3/8" (60 mm)	W50	Flat	2	8	3/8"	TC	SB	6	5/16"	TC	SB	Wassara 2	2 3/16"	3.5 lbs	7 5/8"	3000015
2 1/2" (64 mm)	W50	Flat	2	8	3/8"	TC	SB	6	5/16"	TC	SB	Wassara 2	2 3/16"	3.5 lbs	7 5/8"	3000017
3 1/4" (82 mm)	W70	Convex	1	10	3/8"	TC	SB	7	3/8"	TC	SB	W-bit 70	2"	8.6 lbs	11 3/8"	3000196
3 1/2" (89 mm)	W70	Speed	2	7	1/2"	TC	SB	6	1/2"	TC	SB	W-bit 70	2 3/4"	11 lbs	12"	3000125
3 3/4" (95 mm)	W80	Speed	2	7	1/2"	TC	SB	4+2	1/2"	TC	SB	Wassara 3.5	2 7/8"	12 lbs	10"	3000011
4" (102 mm)	W80	Speed	2	8	9/16"	TC	SB	6+2	7/16"	TC	SB	Wassara 3.5	2 3/4"	12 lbs	10"	3000126
4 1/2" (115 mm)	W100	Speed	2	8	9/16"	TC	SB	4+4	1/2"	TC	SB	Wassara 340	3 1/2"	19 lbs	11 3/4"	3000021
4 3/4" (120 mm)	W100	Speed	2	9	1/2"	TC	SB	7+5	1/2"	TC	SB	Wassara 340	3 1/16"	19 lbs	11 5/16"	3000029
5" (127 mm)	W100	Convex	2	10	9/16"	TC	SB	4+4	9/16"	TC	SB	Wassara 340	3 9/16"	21 lbs	12"	3000031
5 1/8" (130 mm)	W120	Convex	3	9	9/16"	TC	SB	6+4	9/16"	TC	SB	Wassara 350	3 7/8"	35 lbs	14 1/16"	3000013
5 1/2" (140 mm)	W120	Convex	3	9	9/16"	TC	SB	6+4	9/16"	TC	SB	Wassara 350	3 7/8"	36 lbs	14 1/16"	3000059
6" (152 mm)	W120	Convex	2	10	5/8"	TC	SB	6+4	9/16"	TC	SB	Wassara 350	3 7/8"	38 lbs	14 1/16"	3000061*
6 1/2" (165 mm)	W150	Convex	3	9	5/8"	TC	SB	6+6	5/8"	TC	SB	Wassara 360	4"	54 lbs	16 1/16"	3000062
7" (178 mm)	W150	Convex	2	10	5/8"	TC	SB	6+8	5/8"	TC	SB	Wassara 360	4"	60 lbs	16 1/16"	3000128*
7 1/2" (190 mm)	W150	Convex	2	10	5/8"	TC	SB	6+8	5/8"	TC	SB	Wassara 360	3 5/8"	60 lbs	15 3/4"	3000064*
8" (203 mm)	W150	Convex	3	9	3/4"	TC	SB	6+6	3/4"	TC	SB	Wassara 360	4"	64 lbs	16 1/16"	3000041*
8 1/2" (216 mm)	W200	Convex	3	9	3/4"	TC	SB	6+7	3/4"	TC	SB	Wassara 380	4 7/8"	120 lbs	18 1/16"	3000079
10" (254 mm)	W200	Convex	3	12	3/4"	TC	SB	6+10	3/4"	TC	SB	Wassara 380	6 19/64"	134 lbs	20 5/64"	3000085*
6" (152 mm)	W100 JG	Convex	2	9	9/16"	TC	SB	18	9/16"	TC	SB	Wassara 340	3 11/16"	28 lbs	12"	3000194
6 1/2" (165 mm)	W100 JG	Convex	2	10	9/16"	TC	SB	6+8	9/16"	TC	SB	Wassara 340	3 3/8"	30 lbs	11 9/16"	3000201

Patented design, W-bit, by LKAB Wassara 1) TC (Tungsten carbide) 2) Second row & front \*) Availability on request

1400041\_imp, Wassara Bits product data sheet, 2021.01. All specifications can be changed without notice.

