

Secoroc Rock Drilling Tools

Secoroc Workover Tricone Drill Bits



TCl and Steel Tooth premium and value bits

Sustainable Productivity

Atlas Copco

Secoroc Workover bit offering



Atlas Copco Secoroc offers a complete range of bit sizes in premium and value workover bits from 2-7/8" to 7-7/8". Other sizes are available up to 17-1/2" in various IADC codes and features.

Premium workover bits are designed with hard facing in medium/soft formation for competitive drilling of concrete plugs and inside casing.

- Featuring the latest advances in hard facing materials and application technology, including proprietary hard facing material and ground bit gages.
- Strong aggressive cutting structures that drill fast, with excellent bit life.
- All bits are built to API gage specifications for their respective size, so drilling through casing is never a problem.
- Atlas Copco Secoroc manufactures all its products to strict API and ISO 9001 standards.

Value worker bits have short, small closely spaced teeth for maximum bottom hole coverage, tooth hard facing only on gage and spear point.

- Maximum gage protection with optional carbide inserts.
- Available in sealed and open bearing configurations.
- Primary applications are Waterwell and Oilfield Workover.
- The teeth are hard faced with tungsten carbide for good wear resistance.

Premium Workover Bit Offering

Diameter		Product No.	Product Code	IADC	Product	Circ.	Weight		PINN Conn.	Operating suggestions WOB/RPM	
in	mm						lbs	kgs		WOB	RPM
2 7/8	75	91000579	161-0075-31-WO-1R-01	3-1-1	OHR	Reg	4.0	1.8	4n-Rod	11,500-21,125 lbs WOB	60-80 RPM
3 1/8	79	91000584	161-0079-31-WO-1R-01	3-1-1	OHR	Reg	4.5	2.0	4n-Rod	12,500-21,875 lbs WOB	60-80 RPM
3 1/4	83	91000585	161-0083-31-WO-1R-01	3-1-1	OHR	Reg	4.5	2.0	4n-Rod	13,000-22,750 lbs WOB	60-80 RPM
3 3/8	86	91001962	110-0086-31-WO-1R-01	3-1-1	OHR	Reg	4.6	2.1	2 3/8" API	13,500-23,625 lbs WOB	60-80 RPM
3 5/8	92	91001963	110-0092-31-WO1R-01	3-1-1	OHR	Reg	7.7	3.5	2 3/8" API	14,500-25,375 lbs WOB	60-80 RPM
3 3/4	95	91000581	110-0095-31-WO-1R-01	3-1-1	OMR	Reg	8.0	3.6	2 3/8" API	15,000-26,250 lbs WOB	60-80 RPM
3 7/8	98	91000576	110-0098-31-WO-1R-01	3-1-1	OHR	Reg	8.0	3.6	2 3/8" API	15,500-27,125 lbs WOB	60-80 RPM
4	102	91001161	110-0102-31-WO-1R-01	3-1-1	OHR	Reg	9.0	4.1	2 3/8" API	16,000-28,000 lbs WOB	60-80 RPM
4 1/8	105	91000589	110-0105-31-WO-1STR-01	3-1-1	OHR	Reg	8.0	3.6	2 3/8" API	16,000-28,000 lbs WOB	60-80 RPM
4 1/4	108	91000588	110-0108-31-WO-1STR-01	3-1-1	OHR	Reg	8.0	3.6	2 3/8" API	17,000-29,750 lbs WOB	60-80 RPM
4 1/2	114	91000586	110-0114-31-WO-1STR-01	3-1-1	OHR	Reg	10.0	4.5	2 3/8" API	18,000-31,500 lbs WOB	60-80 RPM
4 5/8	118	91000587	112-0118-31-WO-1R-01	3-1-1	OHR	Reg	12.0	5.4	2 7/8" API	18,500-32,375 lbs WOB	60-80 RPM
4 3/4	121	91000575	112-0121-31-WO-1R-01	3-1-1	OHR	Reg	14.0	6.4	2 7/8" API	19,000-33,250 lbs WOB	60-80 RPM
4 7/8	124	91000577	112-0124-31-WO-1R-01	3-1-1	OHR	Reg	15.5	7.0	2 7/8" API	19,500-34,125 lbs WOB	60-80 RPM
5 5/8	143	91000573	114-0143-31-WO-1R-01	3-1-1	OHR	Reg	19.0	8.6	3 1/2" API	22,500-39,375 lbs WOB	60-80 RPM
5 3/4	146	91000582	114-0146-31-WO-1R-01	3-1-1	OHR	Reg	24.0	10.9	3 1/2" API	23,000-40,250 lbs WOB	60-80 RPM
5 7/8	149	91000583	114-0149-31-WO-1R-01	3-1-1	OHR	Reg	25.0	11.3	3 1/2" API	23,500-41,125 lbs WOB	60-80 RPM
6	152	91000580	114-0152-31-WO-1STR-01	3-1-1	OHR	Reg	28.0	12.7	3 1/2" API	24,000-42,000 lbs WOB	60-80 RPM
6 1/8	156	91000578	114-0156-31-WO-1STR-01	3-1-1	OHR	Reg	28.0	12.7	3 1/2" API	24,500-42,875 lbs WOB	60-80 RPM
6 1/4	159	91000574	114-0159-31-WO-1R-01	3-1-1	OHR	Reg	28.0	12.7	3 1/2" API	25,000-43,750 lbs WOB	60-80 RPM
6 1/2	165	91001421	114-0165-31-WO-1R-01	3-1-1	OHR	Reg	36.0	16.3	3 1/2" API	26,000-45,500 lbs WOB	60-100 RPM
6 3/4	171	91000590	114-0171-31-WO-5R-01	3-1-1	OHR	Reg	32.0	14.5	3 1/2" API	27,000-47,250 lbs WOB	60-80 RPM
7 7/8	200	91000591	117-0200-31-WO-1STR	3-1-1	OHR	Reg	70.0	31.8	4 1/2" API	31,500-55,125 lbs WOB	60-80 RPM

Value Workover Bit Offering

Diameter		Product No.	Product Code	IADC	Product	Circ.	Weight		PINN Conn.	Operating suggestions WOB/RPM	
in	mm						lbs	kgs		WOB	RPM
2 7/8	73	93002007	161-0073-32-FW-1R-01	3-2-1	F32	Reg	4	1.8	4n-Rod	12,900-21,600 lbs WOB	50-100 RPM
3 1/8	79	93002013	161-0079-32-FW-1R-01	3-2-1	F32	Reg	4.4	2	4n-Rod	14,100-23,400 lbs WOB	50-100 RPM
3 1/4	83	93002015	161-0083-33-FW-5R-01	3-3-1	F33	Reg	4.4	2	4n-Rod	14,600-24,400 lbs WOB	50-100 RPM
3 3/8	86	93005001	110-0086-32-FO-2R-01	3-2-1	F32	Reg	6.2	2.8	2 3/8" API	15,200-25,300 lbs WOB	50-100 RPM
3 5/8	92	93005002	110-0092-32-FO-2R-01	3-2-1	F32	Reg	7	3.2	2 3/8" API	16,300-27,200 lbs WOB	50-100 RPM
3 3/4	95	93002222	110-0095-32-FW-2R-01	3-2-1	F32	Reg	8.8	4.0	2 3/8" API	16,900-28,100 lbs WOB	50-100 RPM
3 7/8	98	93002022	110-0098-32-FW-1R-01	3-2-1	F32	Reg	8.8	4.0	2 3/8" API	17,400-29,100 lbs WOB	50-100 RPM
4	102	93002025	110-0102-32-FW-1R-01	3-2-1	F32	Reg	8.8	4	2 3/8" API	18,000-30,000 lbs WOB	50-100 RPM
4 1/8	105	93002304	110-0105-32-FW-1R-01	3-2-1	F32	Reg	8.8	4	2 3/8" API	18,600-30,900 lbs WOB	50-100 RPM
4 1/4	108	93002305	110-0108-32-FW-2R-01	3-2-1	F32	Reg	8.8	4	2 3/8" API	19,100-31,900 lbs WOB	50-100 RPM
4 1/2	114	93002033	110-0114-32-FW-1R-01	3-2-1	F32	Reg	12.1	5.5	2 3/8" API	20,300-33,800 lbs WOB	50-100 RPM
4 5/8	117	93002227	112-0121-32-FW-2R-01	3-2-1	F32	Reg	12.1	5.5	2 3/8" API	20,800-34,700 lbs WOB	50-100 RPM
4 3/4	121	93002228	112-0124-33-FW-5R-01	3-2-1	F32	Reg	18.7	8.5	2 7/8" API	21,400-35,600 lbs WOB	50-100 RPM
4 7/8	124	93002288	114-0143-32-FW-2R-01	3-3-1	F33	Reg	18.7	8.5	2 7/8" API	21,900-36,600 lbs WOB	50-100 RPM
5 5/8	143	93002286	114-0146-33-FW-5R-01	3-2-1	F32	Reg	22	10	3 1/2" API	25,300-42,200 lbs WOB	50-100 RPM
5 3/4	146	93002316	114-0149-32-FW-2R-01	3-3-1	F33	Reg	26.5	12	3 1/2" API	25,900-43,100 lbs WOB	50-100 RPM
5 7/8	149	93002308	114-0149-32-FW-2R-01	3-2-1	F32	Reg	26.5	12	3 1/2" API	26,400-44,100 lbs WOB	50-100 RPM
6	152	93002058	114-0152-33-FW-5R-01	3-3-1	F33	Reg	26.5	12	3 1/2" API	27,000-45,000 lbs WOB	50-100 RPM
6 1/8	156	93002309	114-0156-32-FW-2R-01	3-2-1	F32	Reg	26.5	12	3 1/2" API	28,100-46,900 lbs WOB	50-100 RPM
6 1/4	159	93002237	114-0159-33-FW-5R-01	3-3-1	F33	Reg	25.7	11.7	3 1/2" API	28,100-46,900 lbs WOB	50-100 RPM
6 1/2	165	93002239	114-0165-32-FW-2R-01	3-2-1	F32	Reg	30.8	14	3 1/2" API	29,300-48,800 lbs WOB	50-100 RPM
6 3/4	171	93002065	114-0171-33-FW-5R-01	3-3-1	F33	Reg	35.3	16	3 1/2" API	30,400-50,600 lbs WOB	50-100 RPM
7 7/8	200	93002242	117-0200-33-FW-5R-01	3-3-1	F33	Reg	58.3	26.5	4 1/2" API	35,400-59,100 lbs WOB	50-100 RPM

Sealed Bearing TCI Workover Bit Offering

Bit Diam.		Product No.	Product Code	IADC	Product	Circ.	Weight		Pin Conn.	Operating Suggestions WOB / RPM	
in	mm						lbs	kgs		WOB	RPM
3 7/8	98	93006009	110-3098-52-FD-FA-07	5-2-7	F52J	Jet	9.5	4.3	2 3/8" API	4,875-11,375 lbs WOB	60-140 RPM
4 1/4	108	93006010	110-3108-53-FD-FA-07	5-3-7	F53J	Jet	10.6	4.8	2 3/8" API	6,000-25,500 lbs WOB	50-90 RPM
4 3/4	121	93006011	112-3121-52-FD-FA-07	5-2-7	F52J	Jet	14.3	6.5	2 7/8" API	14,250-26,125 lbs WOB	60-90 RPM
4 7/8	124	93006012	112-3124-52-FD-FA-07	5-2-7	F52J	Jet	19.8	9	2 7/8" API	14,625-26,800 lbs WOB	60-90 RPM
5 1/8	130	93006013	112-3130-52-FD-FA-07	5-2-7	F52J	Jet	20.9	9.5	2 7/8" API	15,375-28,200 lbs WOB	60-90 RPM
5 1/4	133	93006014	112-3133-52-FD-FA-07	5-2-7	F52J	Jet	23.1	10.5	2 7/8" API	15,750-28,875 lbs WOB	60-90 RPM
5 1/2	140	93006015	112-3140-52-FD-FA-07	5-2-7	F52J	Jet	22.4	10.2	2 7/8" API	16,500-30,250 lbs WOB	60-90 RPM
5 7/8	149	93006016	114-3149-52-FD-FA-07	5-2-7	F52J	Jet	27.5	12.5	3 1/2" API	17,625-32,300 lbs WOB	60-90 RPM
5 7/8	149	93006016	114-3149-52-FD-FA-07	5-2-7	F52J	Jet	27.5	12.5	3 1/2" API	17,625-32,300 lbs WOB	60-90 RPM
6	152	93006017	112-3152-52-FD-FA-07	5-2-7	F52J	Jet	27.9	12.7	2 7/8" API	18,000-33,000 lbs WOB	60-90 RPM
6	152	93006018	114-3152-52-FD-FA-07	5-2-7	F52J	Jet	29	13.2	3 1/2" API	18,000-33,000 lbs WOB	60-90 RPM
6 1/8	156	93006019	114-3156-52-FD-FA-07	5-2-7	F53J	Jet	30.6	13.9	3 1/2" API	18,375-36,750 lbs WOB	50-90 RPM
6 1/4	159	93006020	114-3159-51-FD-CA-07	5-1-7	F51J	Jet	31.5	14.3	3 1/2" API	15,625-34,375 lbs WOB	70-100 RPM
6 1/4	159	93006021	114-3159-53-FD-FA-07	5-3-7	F53J	Jet	31.5	14.3	3 1/2" API	18,750-37,500 lbs WOB	50-90 RPM
6 1/2	165	93006022	114-3165-52-FD-FA-07	5-2-7	F52J	Jet	32.3	14.7	3 1/2" API	19,500-35,750 lbs WOB	60-90 RPM
6 1/2	165	93006024	114-3165-53-FD-FA-07	5-3-7	F53J	Jet	32.3	14.7	3 1/2" API	19,500-35,750 lbs WOB	60-90 RPM
6 3/4	171	93006023	114-3171-52-FD-FA-07	5-2-7	F52J	Jet	32.8	14.9	3 1/2" API	20,250-37,125 lbs WOB	60-90 RPM
6 3/4	171	93006023	114-3171-52-FD-FA-07	5-2-7	F52J	Jet	32.8	14.9	3 1/2" API	20,250-37,125 lbs WO	60-90 RPM

Sealed Bearing Tooth Workover Bit Offering

Diameter		Product No.	Product Code	IADC	Product	Circ.	Weight		Pin Conn.	Operating Suggestions	
in	mm						lbs	kgs		WOB	RPM
3 1/2	89	93010042	110-0089-21-FD-1A-06	2-1-6	F21J	Jet	9.2	4.2	2 3/8" API	5,800-13,600 lbs WOB	60-140 RPM
3 5/8	92	93006034	110-0092-21-FD-1A-06	2-1-6	F21J	Jet	9.2	4.2	2 3/8" API	5,800-13,600 lbs WOB	60-140 RPM
3 3/4	98	93006033	110-0095-21-FD-1A-06	2-1-6	F21J	Jet	9.2	4.2	2 3/8" API	5,800-13,600 lbs WOB	60-140 RPM
3 7/8	98	93006001	110-0098-21-FD-1A-06	2-1-6	F21J	Jet	9.2	4.2	2 3/8" API	5,800-13,600 lbs WOB	60-140 RPM
3 7/8	98	93006029	110-0098-11-FD-1A-06	1-1-6	F11J	Jet	9.2	4.2	2 3/8" API	5,800-11,400 lbs WOB	70-120 RPM
4	102	93006030	110-0102-11-FD-1A-06	1-1-6	F11J	Jet	9.5	4.3	2 3/8" API	5,800-13,400 lbs WOB	70-120 RPM
4	102	93006032	110-0102-21-FD-1A-06	2-1-6	F21J	Jet	12.1	5.5	2 3/8" API	4,750-15,800 lbs WOB	60 to 140 RPM
4 3/8	111	96006035	110-0111-21-FD-1A-06	2-1-6	F21J	Jet	12.1	5.5	2 3/8" API	4,750-15,800 lbs WOB	60 to 140 RPM
4 1/2	114	93010024	110-0114-21-FD-1AG-07	2-1-7	F21J	Jet	12.1	5.5	2 3/8" API	4,750-15,800 lbs WOB	60 to 140 RPM
4 1/2	114	93006026	110-0114-11-FD-1AG-07	1-1-7	F11J	Jet	12.1	5.5	2 3/8" API	4,750-15,800 lbs WOB	60 to 140 RPM
4 5/8	117	93006025	112-0117-11-FD-1AG-07	1-1-7	F11J	Jet	13.2	6	2 7/8" API	4,750-16,200 lbs WOB	60 to 140 RPM
4 5/8	117	93010041	112-0117-21-FD-1AG-07	2-1-7	F21J	Jet	13.2	6	2 7/8" API	4,750-16,200 lbs WOB	60 to 140 RPM
4 3/4	121	93006002	112-0121-11-FD-1AG-07	1-1-7	F11J	Jet	8.8	4	2 7/8" API	4,750-19,000 lbs WOB	70-140 RPM
4 3/4	121	93006003	112-0121-21-FD-1A-06	2-1-6	F21J	Jet	9.9	4.5	2 7/8" API	7,125-21,375 lbs WOB	70-120 RPM
4 3/4	121	93006028	112-0121-21-FD-1AG-07	2-1-7	F21J	Jet	9.9	4.5	2 7/8" API	7,125-21,375 lbs WOB	70-120 RPM
5 1/2	140	93006027	112-0140-11-FD-1AG-07	1-1-7	F11J	Jet	22.4	10.2	2 7/8" API	7,125-21,375 lbs WOB	70-120 RPM
5 1/2	140	93006031	112-0140-21-FD-1AG-07	2-1-7	F21J	Jet	22.4	10.2	2 7/8" API	7,125-21,375 lbs WOB	70-120 RPM
6	152	93006004	114-0152-11-FD-1AG-07	1-1-7	F11J	Jet	27.5	12.5	3 1/2" API	6,000-24,000 lbs WOB	70-140 RPM
6 1/8	156	93006005	114-0156-11-FD-1AG-07	1-1-7	F11J	Jet	28.6	13	3 1/2" API	6,125-24,500 lbs WOB	70-140 RPM
6 1/4	159	93006006	114-0159-11-FD-1AG-07	1-1-7	F11J	Jet	25.3	11.5	3 1/2" API	6,250-25,000 lbs WOB	70-140 RPM
6 1/2	165	93006007	114-0165-11-FD-1AG-07	1-1-7	F11J	Jet	31.2	14.2	3 1/2" API	6,500-26,000 lbs WOB	70-140 RPM
6 3/4	171	93006008	114-0171-11-FD-1AG-07	1-1-7	F11J	Jet	34.1	15.5	3 1/2" API	6,750-27,000 lbs WOB	70-140 RPM