

Secoroc Rock Drilling Tools

# Integral equipment



*Atlas Copco*

# Productivity is an integral part of our drill rods

**Given that we've been mining and breaking rock for more than 600 years, you can safely assume that we know a lot about rock drilling. That knowledge is reflected in our product range – right down to the smallest detail. In the 1940s, we pioneered the development of integral systems and solutions. To meet the tough demands of our many customers in the dimensional stone and underground mining industries, we've continued to invest in the production of premium quality integral drill rods. After all, when it comes to narrow hole diameters in small-scale drift or tunnel areas or dimensional stone quarries there's no substitute for first-rate rock drilling tools.**

## **A product of quality control**

The lowest cost per metre drilled is our guiding principle at Atlas Copco Secoroc. To live up to this motto, we never compromise on quality. That's why we didn't settle for less than super tough C253 steel when we designed our integral drill rods.

Our manufacturing process matches the quality of the raw material. Inserts are subjected to a high quality bronze-brazing process – using just the right temperature and technique – to reduce the risk of carbide failure. And the shank is through-hardened to ensure the highest possible toughness and wear resistance.

What's more, our integral drill rods are unique in featuring a rolled-in stainless steel lining in the flushing tube for unrivalled anti-corrosion protection. Naturally, this entire process is certified in accordance with ISO 9001.

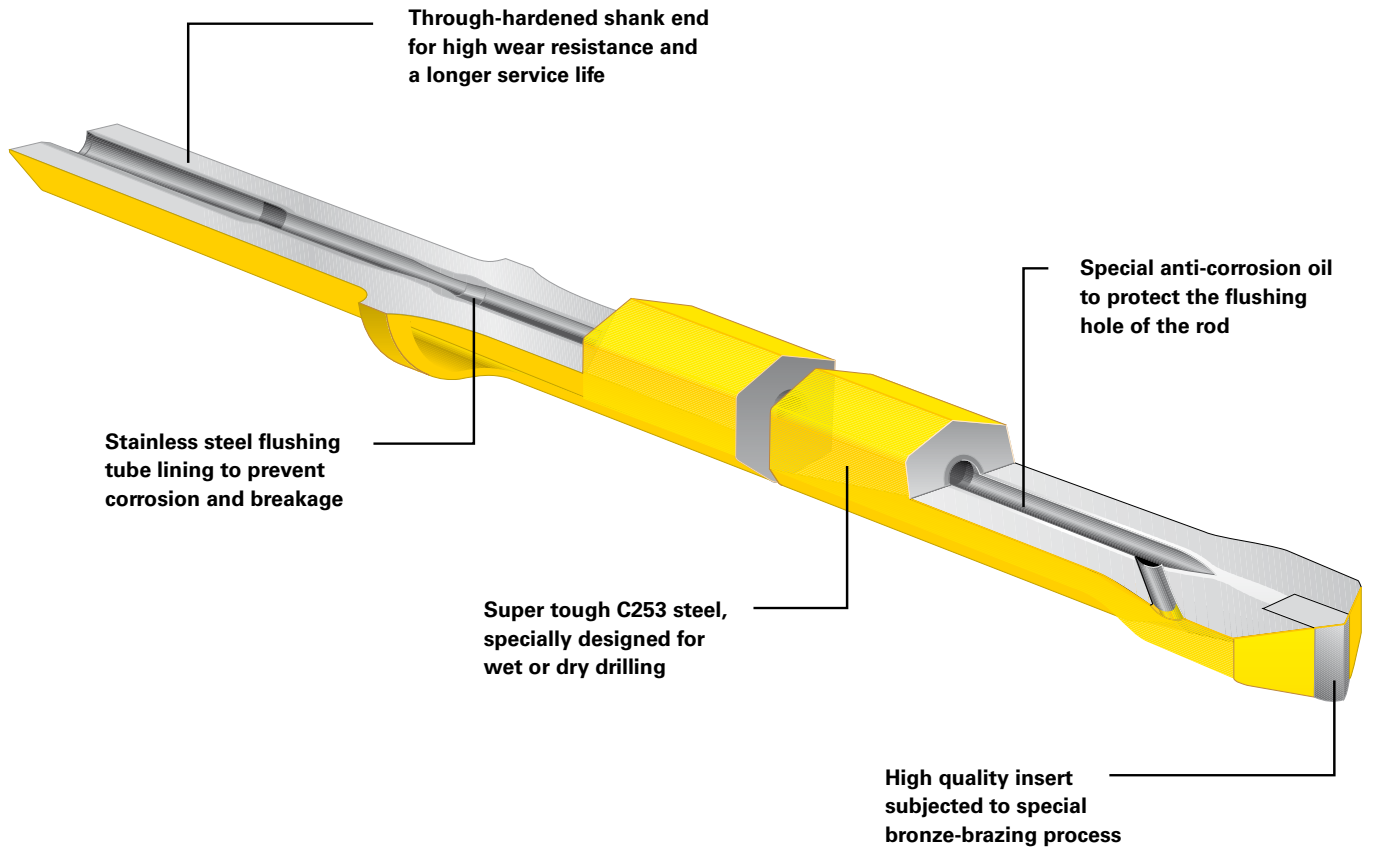


## **Whatever the application, we have the solutions to match**

To meet diverse demands, we supply hexagonal rods, 19 mm and 22 mm in a wide variety of lengths and bit dimensions. But there's a lot more to our offer than the actual products. As a customer of Atlas Copco Secoroc, you enjoy access to application knowledge, training and technical support. And thanks to our global presence, we're never more than a phone call away.

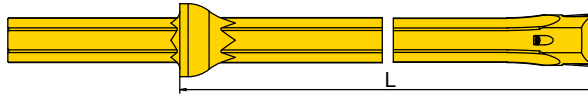


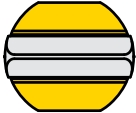
# An inside look at a state-of-the-art solution

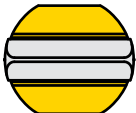




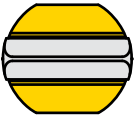
# Integral drill rods



19 mm (3/4")	Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg	
				mm	foot/inch	mm	inch		
 <p>Chisel bit integral. Rod hex. 19 mm (3/4"). Shank hex. 19 mm (3/4") x 108 mm (4 1/4").</p>	21	90504884	724-0429,06-02	400	1'3 3/4"	29	1 5/32	1,3	
		90509848	724-0529,06-02	500	1'7 5/8"	29	1 5/32	2,0	
		90504888	724-0828,06-02	800	2'7 1/2"	28	1 1/8	2,2	
		90505388	724-1028,06-02	1000	3'3 3/8"	28	1 1/8	2,6	
		90504981	724-1227,06-02	1200	3'11 1/4"	27	1 1/16	3,0	
		90504891	724-1627,06-02	1600	5'3"	27	1 1/16	4,0	
		90504897	724-2426,06-02	2400	7'10 1/2"	26	1 1/32	5,7	
		90504898	724-3225,06-02	3200	10'6"	25	1	7,5	
		90504899	724-4024,06-02	4000	13'1 1/2"	24	15/16	9,2	
	22	90504883	724-0424,06-02	400	1'3 3/4"	24	15/16	1,3	
		90504887	724-0823,06-02	800	2'7 1/2"	23	29/32	2,2	
	24	90504886	724-0627,06-02	600	1'11 5/8"	27	1 1/16	1,7	
		90504890	724-1226,06-02	1200	3'11 1/4"	26	1 1/32	3,1	
		90504797	724-2424,06-02	2400	7'10 1/2"	24	15/16	5,7	
	25	90504885	724-0435,06-02	400	1'3 3/4"	35	1 3/8	1,4	
		90504889	724-0834,06-02	800	2'7 1/2"	34	1 11/32	2,3	
	<p>Chisel bit integral. Rod hex. 19 mm (3/4"). Shank hex. 22 mm (7/8") x 108 mm (4 1/4"). If needed: Seal Product No. 90002047 / Seal Product code 9159-06.</p>		90504900	728-0424,06-02	400	1'3 3/4"	24	15/16	1,4
			90508901	728-0429,06-02	400	1'3 3/4"	29	1 5/32	1,4
		90504902	728-0627,06-02	600	1'11 5/8"	27	1 1/16	1,8	
		90504903	728-0823,06-02	800	2'7 1/2"	23	29/32	2,3	
		90504904	728-0828,06-02	800	2'7 1/2"	28	1 1/8	2,3	
		90505405	728-1223,06-02	1200	3'11 1/4"	23	29/32	3,0	
		90504906	728-1627,06-02	1600	5'3"	27	1 1/16	4,0	
		90514284	728-2028,06-02	2000	6'6 3/4"	28	1 1/8	5,0	
		90504907	728-2426,06-02	2400	7'10 1/2"	26	1 1/32	5,8	

22 mm (7/8")	Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg
				mm	foot/inch	mm	inch	
 <p>Chisel bit integral. Rod hex. 22 mm (7/8"). Shank hex. 22 mm (7/8") x 108 mm (4 1/4"). If needed: Seal Product No. 90002047 / Seal Product code 9159-06.</p>	11	90503753	714-0834,05-02	800	2'7 1/2"	34	1 11/32	3,0
		90503757	714-1633,05-02	1600	5'3"	33	1 5/16	5,4
		90503761	714-2432,05-02	2400	7'10 1/2"	32	1 1/4	7,9
		90503763	714-3231,05-02	3200	10'6"	31	1 7/32	10,3
		90503764	714-4030,05-02	4000	13'1 1/2"	30	1 3/16	12,6
		90503765	714-4829,05-02	4800	15'9"	29	1 5/32	15,1
		90503766	714-5628,05-02	5600	18'4 1/2"	28	1 1/8	17,6
		90503767	714-6427,05-02	6400	21'	27	1 1/16	19,9
		90504197	714-7226,05-02	7200	23'7 1/2"	26	1 1/32	22,3
	12	90503754	714-0840,05-02	800	2'7 1/2"	40	1 9/16	3,0
		90503758	714-1639,05-02	1600	5'3"	39	1 17/32	5,4
		90503762	714-2438,05-02	2400	7'10 1/2"	38	1 1/2	7,8
		90503801	714-3237,05-02	3200	10'6"	37	1 15/32	10,3
		90503798	714-4036,05-02	4000	13'1 1/2"	36	1 13/32	12,6
		90503866	714-4835,05-02	4800	15'9"	35	1 3/8	15,1
		90503867	714-5634,05-02	5600	18'4 1/2"	34	1 11/32	17,6
		90503868	714-6433,05-02	6400	21'	33	1 5/16	19,8
		90504222	714-7232,05-02	7200	23'7 1/2"	32	1 1/4	22,2
		90504223	714-8031,05-02	8000	26'3"	31	1 7/32	24,6

## 22 mm (7/8")



Chisel bit integral.

Rod hex. 22 mm (7/8").

Shank hex. 22 mm (7/8") x 108 mm (4 1/4").

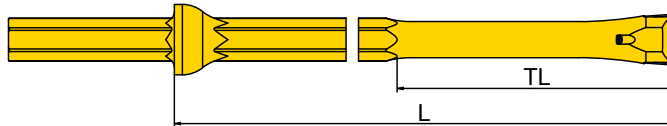
If needed:

Seal Product No. 90002047 /

Seal Product code 9159-06.

Series	Product No.	Product code	Length (L)		Bit diameter		Weight approx. kg
			mm	foot/inch	mm	inch	
13	90503769	714-0434,05-02	400	1'3 3/4"	34	1 11/32	1,7
	90504245	714-0833,05-02	800	2'7 1/2"	33	1 5/16	3,0
	90503755	714-1232,05-02	1200	3'11 1/4"	32	1 1/4	4,2
	90504164	714-1631,05-02	1600	5'3"	31	1 7/32	5,3
	90503759	714-2030,05-02	2000	6'6 3/4"	30	1 3/16	6,5
16	90503752	714-0635,05-02	600	1'11 5/8"	35	1 3/8	2,4
	90503756	714-1234,05-02	1200	3'11 1/4"	34	1 11/32	4,2
	90503855	714-1833,05-02	1800	5'10 7/8"	33	1 5/16	6,1
	90503761	714-2432,05-02	2400	7'10 1/2"	32	1 1/4	7,9
17	90504195	714-0641,05-02	600	1'11 5/8"	41	1 5/8	2,4
	90503852	714-1240,05-02	1200	3'11 1/4"	40	1 9/16	4,3
	90503851	714-1839,05-02	1800	5'10 7/8"	39	1 17/32	6,1
	90503762	714-2438,05-02	2400	7'10 1/2"	38	1 1/2	7,8
	90509881	714-0435,05-02	400	1'3 3/4"	35	1 3/8	1,7
	90505191	714-0441,05-02	400	1'3 3/4"	41	1 5/8	1,8
	90504161	714-0829,05-02	800	2'7 1/2"	29	1 5/32	3,0
	90514178	714-0838,05-02	800	2'7 1/2"	38	1 1/2	3,1
	90504821	714-1233,05-02	1200	3'11 1/4"	33	1 5/16	4,3
	90509651	714-1239,05-02	1200	3'11 1/4"	39	1 17/32	4,3
	90504420	714-1628,05-02	1600	5'3"	28	1 1/8	5,3
	90504758	714-1636,05-02	1600	5'3"	36	1 13/32	5,5
	90504759	714-1836,05-02	1800	5'10 7/8"	36	1 13/32	6,0
	90504226	714-2032,05-02	2000	6'6 3/4"	32	1 1/4	6,6
	90503760	714-2033,05-02	2000	6'6 3/4"	33	1 5/16	6,6
	90504170	714-2133,05-02	2100	6'10 5/8"	33	1 5/16	6,9
	90503641	714-2427,05-02	2400	7'10 1/2"	27	1 1/16	7,9
	90504413	714-3227,05-02	3200	10'6"	27	1 1/16	10,2
	90513873	714-3228,05-02	3200	10'6"	28	1 1/8	10,5
	90504227	714-3232,05-02	3200	10'6"	32	1 1/4	10,5
	90504228	714-6430,05-02	6400	21'	30	1 3/16	19,8
	90504198	714-8026,05-02	8000	26'3"	26	1 1/32	24,7
	90504798	714-9629,05-02	9600	31'6"	29	1 5/32	30,4

## Plug hole rods



## 19 mm (3/4")



Chisel bit plug hole rod.

Shank hex. 19 mm (3/4") x 108 mm (4 1/4").

Shank hex. 19 mm (3/4") x 82 mm (3 1/2").

Product No.	Product code	Length (L)		Bit diameter		Turned length (TL)		Weight approx. kg
		mm	foot/inch	mm	inch	mm	inch	
90502158	721-2117-15,05-02	210	8 1/4"	17	2 1/32	150	5 7/8	0,6
90003106	721-2120-15,05-02	210	8 1/4"	20	2 5/32	150	5 7/8	0,7
90503789	721-2122-15,05-02	210	8 1/4"	22	7/8	150	5 7/8	0,7
90003071	721-2620-20,05-02	260	10 1/4"	20	2 5/32	200	7 7/8	0,8
90509624	721-2622-20,05-02	260	10 1/4"	22	7/8	200	7 7/8	0,8
90504653	721-3122-25,05-02	310	1'1/4"	22	7/8	250	9 7/8	0,8
90003105	721-3420-28,05-02	340	1'1 3/8"	20	2 5/32	280	11	0,9
90503793	722-2120-15,05-02	210	8 1/4"	20	2 5/32	150	5 7/8	0,7
90503794	722-2122-15,05-02	210	8 1/4"	22	7/8	150	5 7/8	0,7

# Secoroc grinding equipment – for sharp-minded drillers

**To meet the needs of sharp-minded drillers the world over, we offer Grind Matic, a comprehensive range of efficient, ergonomically designed grinding machines for fixed installations and field operations. Check out our range. Chances are you'll find just the right machine for your site.**

## **Swing and Senior will soon have you back on the cutting edge**

The Secoroc Grind Matic grinders, Swing and Senior, are two machines ideally suited to sharpening integral equipment. The latter is a sturdy and dependable grinder – specially designed for larger volumes. Grind Matic Senior features an adjustable cutting edge radius and angle. Grinding wheels are available for both wet and dry grinding.

If your site handles smaller volumes, we recommend Grind Matic Swing, a user-friendly, hassle-free grinding machine. Simply bolt it on to your rig or on to a workbench, and you'll be up and running in no time. You can also place it on some worn out integral rods, creating a tripod. Grind Matic Swing has a fixed setting for grinding, providing a cutting-edge angle of 110° and a cutting radius of 80 mm. Grinding wheels are available for both wet and dry grinding.



Grinding wheels for Swing and Senior – available for wet and dry grinding



Grind Matic Senior – for large-scale operations



Grind Matic Swing  
– for smaller operations



Use a Secoroc grinding template to check when it's time for a regrind. The template will also help you make sure you've done the job properly.



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