

Secoroc Rock Drilling Tools

AZURE MATRIX

Diamond impregnated
bit matrix – the drillers
first choice bit

Atlas Copco



OUR NEW BABY WILL AMAZE YOU:

AZURE MATRIX

Diamond impregnated bit matrix, proven to drill exceptionally well through the entire range of medium hard to hard formations.

First choice bit

We now know that the Azure Matrix should be the first choice for drillers when drilling in a medium hard to hard rock formations.

The result obtained during the extensive trial periods and the customer satisfaction AZURE has received,

provides us with the assurance that this matrix has superior performance in a wider formation range - outperforming other matrices, both from our portfolio and the competitions.



THE QUEEN OF BLUE ZONE

Don't know what to expect on a new drilling project? Or having doubts about what bit to use?

Want a matrix that can withstand surprises and address the most common formations in mineral exploration drilling?

Try AZURE. She won't let you down. She performs exceptionally well; even when you're constantly changing ground conditions.

Take a look at the chart below to see Azure's wide application range; no doubt this matrix will amaze you.

Once you try Azure, she will soon become your best friend at work.

Bit selection chart

To simplify bit selection for the driller, rock formations have been categorized into three applications. Each application has a series of matrices designed specifically for that type of drilling condition; which will provide optimum performance.

APPLICATION 1 (GREEN)
Soft to medium hard, abrasive and fractured to competent formations.



APPLICATION 2 (BLUE)
Medium hard to hard, slightly abrasive, slightly fractured to competent formations.



APPLICATION 3 (RED)
Hard to extremely hard, competent formations.



Rock Group	Formation Description	Rock Type	Matrix	
			Abrasion Friendly	
1-4	Soft to medium hard Extremely to slightly abrasive Extremely to slightly broken	Shale Sandstone Limestone	2-4	
5	Medium hard Abrasive Moderately to slightly broken	Limestone Dolomite Weathered Granite Weathered Gneiss Serpentinite Metaperidotite	4-6	
6	Medium hard Moderately abrasive Moderately to slightly broken	Diorite Gabbro Peridotite Gneiss Basalt Andesite	5-7	
7	Medium hard - hard Moderately abrasive Slightly broken to competent	Metabasalt Amphibolite Metamorphosed Diorite Metamorphosed Gabbro Diabase	7AC	
8	Hard Slightly abrasive Competent	Quartz rich Skarn Granite Pegmatite	6-8	
9	Very hard Slightly abrasive or non-abrasive Very competent	Metamorphosed granitic rock Quartz rich Gneiss	7ACF	
10	Extremely hard Non-abrasive Fine grained to amorphous Very competent	Chert Jasperite Quartzite Highly metamorphosed volcanics	11AC	8-9
			KS(S++)	9
				10

WIRELINER DIAMOND CORE DRILLING BITS

AZURE MATRIX

Size		Matrix	Crown Profile	Crown Height	Waterways	Part Number
AO	Double Tube	AZURE	ECF	13	6	3760 9200 17
AO	Double Tube	AZURE	V	13	7	3760 9200 18
BO	Double Tube	AZURE	ECF	13	8	3760 9200 27
BO	Double Tube	AZURE	ECF	16	8	3760 9200 28
BO	Double Tube	AZURE	JET	13	6	3760 9200 29
BO	Double Tube	AZURE	JET	16	6	3760 9200 30
BO	Double Tube	AZURE	V	13	7	3760 9200 31
BO	Double Tube	AZURE	V	16	7	3760 9200 32
NO	Double Tube	AZURE	ECF	13	8	3760 9200 77
NO	Double Tube	AZURE	ECF	16	10	3760 9200 78
NO	Double Tube	AZURE	ECF	16	8	3760 9200 79
NO	Double Tube	AZURE	exFD	13	6	3760 9200 80
NO	Double Tube	AZURE	JET	13	8	3760 9200 81
NO	Double Tube	AZURE	JET	16	8	3760 9200 82
NO	Double Tube	AZURE	TAPER	8	8	3760 9200 83
NO	Double Tube	AZURE	SAND	13	8	3760 9200 84
NO	Double Tube	AZURE	SAND	16	8	3760 9200 85
NO	Double Tube	AZURE	V	13	9	3760 9200 86
NO	Double Tube	AZURE	V	16	9	3760 9200 87
NO OS	Double Tube Oversize 0.032	AZURE	ECF	13	8	3760 9200 88
NO OS	Double Tube Oversize 0.032	AZURE	ECF	16	8	3760 9200 89
NO2	Double Tube Thin Wall	AZURE	ECF	13	10	3760 9200 90
NO2	Double Tube Thin Wall	AZURE	ECF	13	8	3760 9200 91
NO2	Double Tube Thin Wall	AZURE	ECF	16	10	3760 9200 92
NO2	Double Tube Thin Wall	AZURE	ECF	16	8	3760 9200 93
NO2	Double Tube Thin Wall	AZURE	JET	13	8	3760 9200 94
NO2	Double Tube Thin Wall	AZURE	JET	16	8	3760 9200 95
NO2	Double Tube Thin Wall	AZURE	TAPER	8	8	3760 9200 96
NO2 OS	Double Tube Oversize 3.032	AZURE	JET	16	8	3760 9200 97
NO2 OS	Double Tube Oversize 3.032	AZURE	ECF	13	8	3760 9200 98
NO2 OS	Double Tube Oversize 3.032	AZURE	ECF	16	8	3760 9200 99
NO3	Triple Tube	AZURE	ECF WIDE	16	10	3760 9201 00
NO3	Triple Tube	AZURE	exFD	13	6	3760 9201 01
NO3	Triple Tube	AZURE	JET	13	8	3760 9201 02
NO3	Triple Tube	AZURE	JET	16	8	3760 9201 03
NO3	Triple Tube	AZURE	ECF WIDE	13	10	3760 9201 04
NO3 OS	Triple Tube Oversize 3.032	AZURE	ECF	13	8	3760 9201 05
HO	Double Tube	AZURE	ECF	10	10	3760 9200 39
HO	Double Tube	AZURE	ECF	13	10	3760 9200 40
HO	Double Tube	AZURE	ECF	16	10	3760 9200 41
HO	Double Tube	AZURE	exFD	13	8	3760 9200 42
HO	Double Tube	AZURE	JET	13	10	3760 9200 43
HO	Double Tube	AZURE	JET	16	10	3760 9200 44
HO	Double Tube	AZURE	TAPER	10	10	3760 9200 45
HO	Double Tube	AZURE	V	13	11	3760 9200 46
HO	Double Tube	AZURE	SAND	13	8	3760 9200 47

WIRELINER DIAMOND CORE DRILLING BITS

AZURE MATRIX

Size		Matrix	Crown Profile	Crown Height	Waterways	Part Number
HO	Double Tube	AZURE	SAND	16	8	3760 9200 48
HO	Double Tube	AZURE	ECF WIDE	13	10	3760 9200 49
HO	Double Tube	AZURE	ECF WIDE	16	10	3760 9200 50
HO OS	Double Tube Oversize 3.830	AZURE	ECF	13	10	3760 9200 51
HO OS	Double Tube Oversize 3.830	AZURE	ECF	16	10	3760 9200 52
HO OS	Double Tube Oversize 3.830	AZURE	exFD	13	8	3760 9200 53
HO OS	Double Tube Oversize 3.830	AZURE	JET	13	10	3760 9200 54
HO OS	Double Tube Oversize 3.830	AZURE	JET	16	10	3760 9200 55
HO3	Triple Tube	AZURE	ECF	13	10	3760 9200 56
HO3	Triple Tube	AZURE	ECF	16	10	3760 9200 57
HO3	Triple Tube	AZURE	exFD	13	8	3760 9200 58
HO3	Triple Tube	AZURE	JET	13	13	3760 9200 60
HO3	Triple Tube	AZURE	JET	16	16	3760 9200 61
HO3	Triple Tube	AZURE	SAND	13	8	3760 9200 62
HO3	Triple Tube	AZURE	SAND	16	8	3760 9200 63
HO3 OS	Triple tube Oversize 3.830	AZURE	ECF	13	10	3760 9200 67
HO3 DT	Special Double Tube Application	AZURE	ECF	10	10	3760 9200 64
HO3 DT	Special Double Tube Application	AZURE	ECF	13	10	3760 9200 65
HO3 DT	Special Double Tube Application	AZURE	exFD	13	8	3760 9200 66
HOTT	Triple Tube	AZURE	exFD	10	8	3760 9200 68
HOTT	Triple Tube	AZURE	exFD	10	8	3760 9200 68
HOTT OS	Triple Tube Oversize 3.830	AZURE	exFD	13	8	3760 9200 69
PO	Double Tube	AZURE	ECF	10	12	3760 9201 08
PO	Double Tube	AZURE	exFD	10	10	3760 9201 09
PO	Double Tube	AZURE	TAPER	10	12	3760 9201 10
PO3	Triple Tube	AZURE	ECF	10	12	3760 9201 11
PO3	Triple Tube	AZURE	exFD	10	10	3760 9201 12
PO3	Triple Tube	AZURE	SAND	13	10	3760 9201 13
AGM/ATW	Double Tube Thin Wall	AZURE	ECF	13	8	3760 9200 14
AGM/ATW	Double Tube Thin Wall	AZURE	JET	13	4	3760 9200 15
AGM/ATW	Double Tube Thin Wall	AZURE	JET	16	4	3760 9200 16
AOTK	Double Tube Thin Kerf	AZURE	ECF	13	6	3760 9200 19
AOTK	Double Tube Thin Kerf	AZURE	JET	13	4	3760 9200 20
AOTK	Double Tube Thin Kerf	AZURE	JET	16	4	3760 9200 21
BGM/BTW	Double Tube Thin Wall	AZURE	ECF	13	8	3760 9200 23
BGM/BTW	Double Tube Thin Wall	AZURE	ECF	16	8	3760 9200 24
BGM/BTW	Double Tube Thin Wall	AZURE	JET	13	6	3760 9200 25
BGM/BTW	Double Tube Thin Wall	AZURE	JET	16	6	3760 9200 26
BOTK	Double Tube Thin Kerf	AZURE	ECF	13	8	3760 9200 33
BOTK	Double Tube Thin Kerf	AZURE	JET	13	6	3760 9200 34
BOTK	Double Tube Thin Kerf	AZURE	JET	16	6	3760 9200 35
NGM	Double Tube Thin Wall	AZURE	ECF	13	8	3760 9200 73
NGM	Double Tube Thin Wall	AZURE	ECF	16	8	3760 9200 74
NTW	Double Tube Thin Wall	AZURE	ECF	13	8	3760 9201 06

WIRELINE DIAMOND CORE DRILLING BITS

AZURE MATRIX

Size		Matrix	Crown Profile	Crown Height	Waterways	Part Number
NTW	Double Tube Thin Wall	AZURE	ECF	16	8	3760 9201 07
HTW	Double Tube Thin Wall	AZURE	ECF	13	10	3760 9200 70
HTW	Double Tube Thin Wall	AZURE	ECF	16	10	3760 9200 71
46,8HBY	Wireline Thin Wall	AZURE	ECF	13	8	3760 9200 01
46,8HBY	Wireline Thin Wall	AZURE	JET	16	4	3760 9200 02
56,6/39HBY	Wireline Thin Wall	AZURE	ECF	13	10	3760 9200 07
56,6/39HBY	Wireline Thin Wall	AZURE	JET	16	4	3760 9200 08
DEVICO 76	Wireline Directional Core Drilling	AZURE	TB	10	6	3760 9200 38
AW34	Conventional Thin Kerf	AZURE	CF	10	8	3760 9200 22
46TT	Conventional Thin Kerf	AZURE	CFF	10	8	3760 9200 03
48TT/LTK48	Conventional Thin Kerf	AZURE	CFF	10	8	3760 9200 04
48TT/LTK48	Conventional Thin Kerf	AZURE	CF	10	8	3760 9200 05
48TT/LTK48	Conventional Thin Kerf	AZURE	CF	13	8	3760 9200 06
56TT	Conventional Thin Kerf	AZURE	CFF	10	10	3760 9200 09
60TT/LTK60	Conventional Thin Kerf	AZURE	ECF	13	8	3760 9200 10



Sustainable Productivity

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand a test of time.
This is what we call - Sustainable Productivity.

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