

VECTOR ROD SYSTEM WITH XT THREAD



VECTOR ROD SYSTEM XT THREAD

- LONGER THREAD & ROD LIFE
- EASIER DRILL STRING BREAKOUT
- STRAIGHTER HOLES

NEW GUIDED THREAD
FEATURE • XT THREAD



ROCK MORE
INTERNATIONAL

Rock Drilling Tools

For all your rock drilling tool needs contact
ROCKMORE INTERNATIONAL



USA

Phone: 1-503-682-1001

Fax: 1-503-682-1002

E-mail: info@rockmore-intl.com

10065 SW Commerce Circle
Wilsonville, OR 97070, USA

AUSTRIA

Phone: 43-3572-86300

Fax: 43-3572-84179

E-mail: austria@rockmore-intl.at

Collini - Strasse 2
A-8750 Judenburg, Austria



www.rockmore-intl.com

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

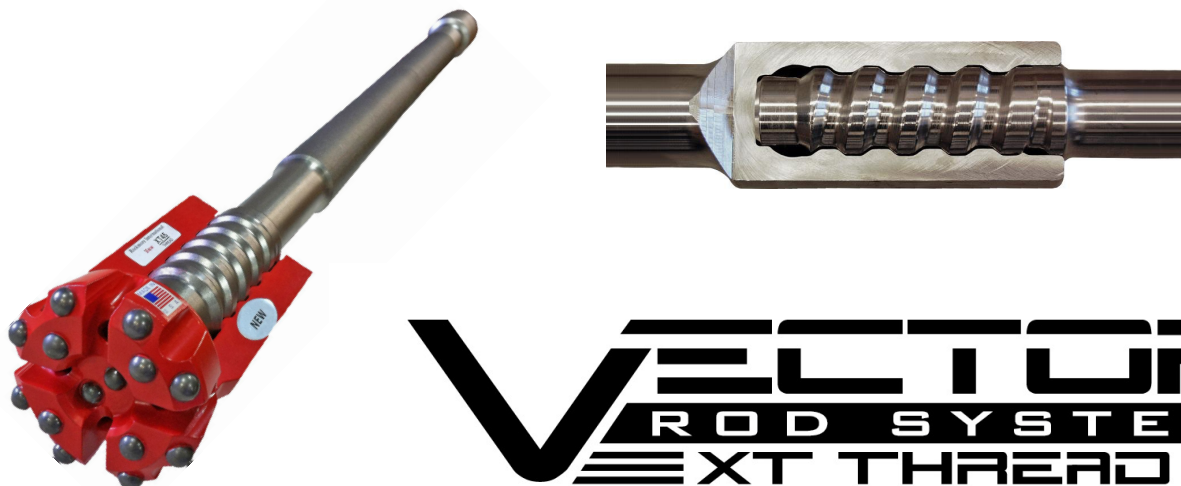


ROCKMORE
INTERNATIONAL

VECTOR ROD SYSTEM WITH XT THREAD

TABLE OF CONTENTS

	<u>PAGE</u>
Features & Benefits	1
Press Release.....	2
XT38 Thread	4
XT45 Thread	8
XT51 Thread	11
XT60 Thread	15
Bit Selection Guides.....	19
Additional Product Design Options	21



VECTOR
ROD SYSTEM
XT THREAD

Extension drilling tools

Verlängerungsbohrausrüstung

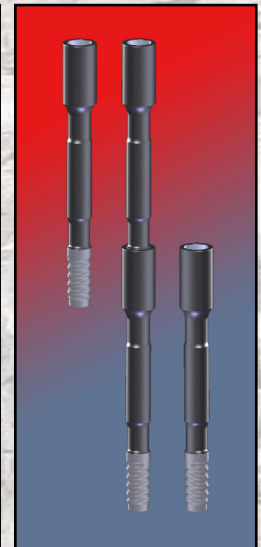
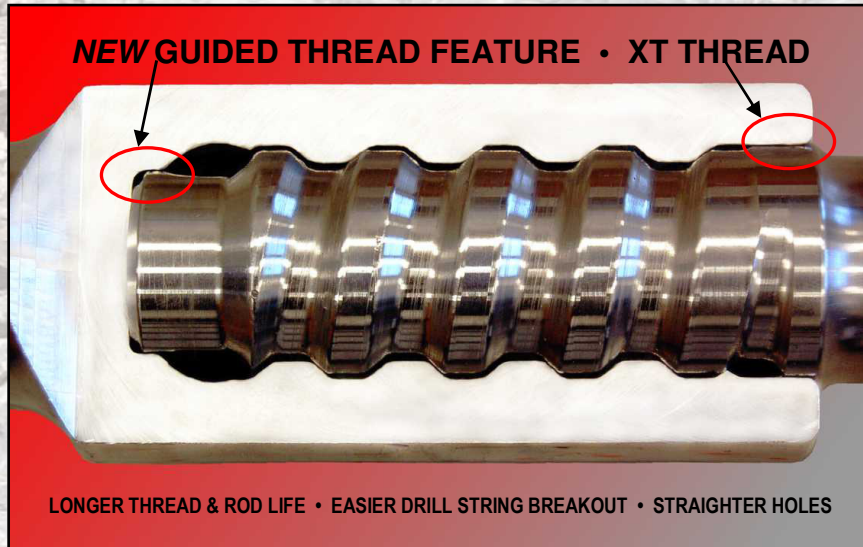
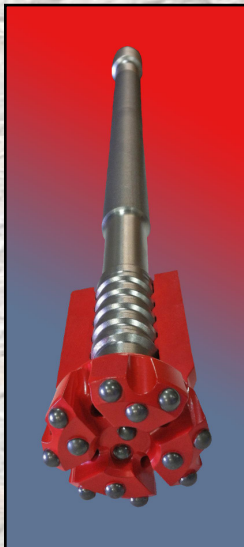
Equipement d'allonge

Varillaje de extensión



ROCKMORE
INTERNATIONAL

VECTOR ROD SYSTEM XT THREAD



New Vector Rod System with XT Thread Suitable for Male/Female (MF) Extension Rod Systems



Features:

- **New** Design advancement of "T" style thread
- **New** XT38, XT45, XT51, XT60 for MF rods
- **New** XT thread compatible with "T" profile/thread
- **New** Two Cylindrical Contact Zones in front and rear of threads
- **New** Guided thread feature

Benefits:

- Longer thread life; Easier thread breakout; Straighter holes
- Suited for larger and deeper blast holes
- Reverse compatibility with standard "T" style threads
- Straighter holes; Reduced hole deviation; Improved thread grease retention on thread pitches
- Minimized impact duration ("rattling") required to uncouple connections; Cooler couplings; Longer thread life



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

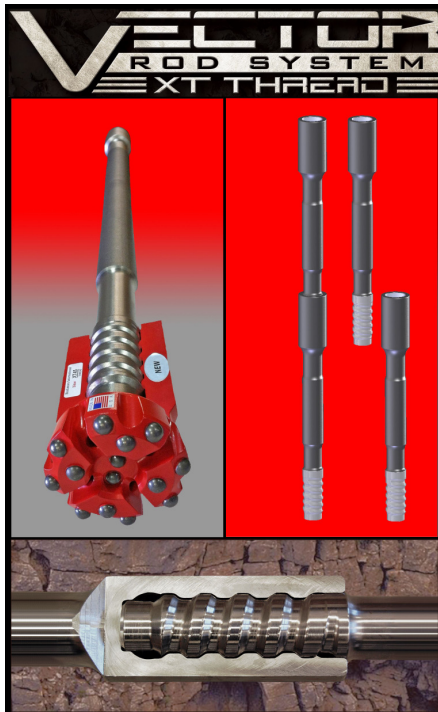
Varillaje de extensión



ROCKMORE
INTERNATIONAL

- Press Release -

ROCKMORE'S VECTOR ROD SYSTEM ADVANCES DRILLING



Rockmore International introduces the Vector Rod System with the new, advanced XT thread profile. Conceived to be a major breakthrough in improving performance and service life of extension drill tools in surface and underground percussive drilling applications, the new line of drill tools promises tremendous advantages in productivity and reliability.

After several years of intense research and development followed up with monitored field tests in various ground conditions, Rockmore engineers developed a new thread design, XT, for the Vector Rod System. The new XT design incorporates revolutionary new guided cylindrical contact zones between the male and female thread joints. These guided surface features are located in the nose and rear of the thread connections and serve various benefits and improvements over traditional threads.

The XT thread profile is based on the traditional trapezoidal "T" thread design and is therefore compatible with industry standard thread types such as T38, T45, and T51. Thus, one can interchange and connect standard "T" style threaded components with the new XT thread, although the guiding

advantages aforementioned would be neglected. For example, a T45 threaded bit or shank adapter can be connected to a XT45 threaded rod with full compatibility.

In order to achieve the full engineered benefits of the XT thread, however, one must consider the drill string as a system of connections between the shank adapter, rods, and the bit in extension drilling applications. Thus, the XT thread design employed in the Vector Rod System enables many performance and reliability benefits leading to major overall cost savings in the drilling cycle.

"We specifically targeted to increase thread service life while enhancing drilling performance in extension drilling applications," says Pejman Eghdami, Executive Vice President of Rockmore International, in explaining the goal of developing the Vector Rod System. The dual cylindrical contact zones in the nose and rear of the XT threads significantly increase the lateral support between thread joints and stabilize the connections with more rigidity to provide better energy transfer. The enhanced thread support and geometry extends thread life and increases the overall component service life of the shank adapters, rods, and bits with XT threads that comprise the Vector Rod System.

Continued on next page

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



R O C K M O R E
I N T E R N A T I O N A L

- Press Release continued -

Because the XT thread guide feature improves thread alignment, the impact duration when “rattling” rods, as required in uncoupling connections, is minimized. This leads to lower wasted energy transmission, cooler couplings on rods, and ultimately to longer rod life. Thread grease is also better retained on the thread pitches resulting from the new XT geometry, further increasing thread life in all XT components.

Another key advantage of this rod system over traditional threaded components is providing straighter holes and minimizing its deviation, so inherently critical in modern drill and blast techniques. The guided XT thread feature increases the rigidity and stability of the connections between the shank adapters, rods, and bits so significantly that overall rod bending is minimized and hole straightness improved. In fact, this improvement allows for larger and deeper blast holes to be achieved using existing rod diameters, but only by converting to XT threaded components. In underground mining long-hole and production applications where up to thirty rod connections are common, hole deviation can be reduced substantially by using Vector Rods.

Mr. Eghdami comments that “As a major breakthrough for extension drilling systems, we have significantly improved drilling productivity and increased drill string lifetime by introducing new design features in the XT thread configuration. And just as important, the new XT design is fully reverse compatible with industry standard “T” style threads, enabling the Vector Rod System to be truly remarkable, yet a practical choice for premium drilling tools.”

The Vector Rod System is offered in multiple configurations of button bits, MF rods, and shank adapters. These drill string components are available in XT38, XT45, XT51, and XT60 thread types, designed to improve drilling productivity and reduce extension drilling operating costs in surface and underground percussive drilling.

Rockmore International is a global manufacturer of premium rock drilling tools serving the mining and construction percussive drilling sectors for over 65 years.



VECTOR
ROD SYSTEM
XT THREAD

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



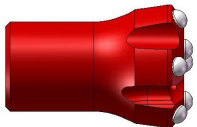

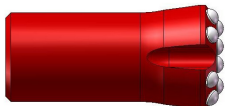

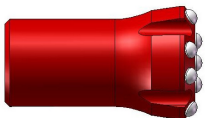
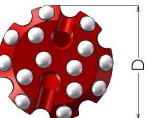
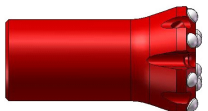
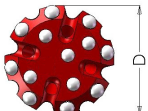

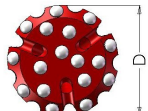


ROCKMORE
INTERNATIONAL



XT38 (1 1/2")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]
			Gauge / Umfang extérieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]	
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  	1	HEM	6	10	3	10	57	2 1/4"	1.30
	2	BAL	6	10	3	10	57	2 1/4"	1.30
	3	HEM	6	11	3	11	64	2 1/2"	1.70
	4	HEM	6	12.7	3	11	64	2 1/2"	1.70
	5	BAL	6	11	3	11	64	2 1/2"	1.70
B3	3 Front Flushing Holes								
 	6	HEM	6	12.7	3	12.7	76	3"	2.40
	7	BAL	6	12.7	3	12.7	76	3"	2.40
	8	HEM	6	14	4	14	89	3 1/2"	3.30
	9	BAL	6	14	4	14	89	3 1/2"	3.30
Flat Face	3 Front Flushing Holes								
 	10	HEM	8	10	4	10	64	2 1/2"	1.60
	11	BAL	8	10	4	10	64	2 1/2"	1.60
Flat Face	2 Front Flushing Holes								
 	12	HEM	8	11	6	11	76	3"	2.40
	13	BAL	8	11	6	11	76	3"	2.40
	14	HEM	8	12.7	6	12.7	89	3 1/2"	3.30
	15	HEM (HD)	8	14	6	12.7	89	3 1/2"	3.30
	16	BAL	8	12.7	6	12.7	89	3 1/2"	3.30
	17	HEM	8	14	6	14	102	4"	4.50
	18	BAL	8	14	6	14	102	4"	4.50
19	HEM	8	16	6	14	115	4 1/2"	5.30	
Flat Face	2 Front Flushing Holes								
 	20	HEM (HD)	8	12.7	5	10	76	3"	2.40
Flat Face	4 Front Flushing Holes								
 	21	HEM	9	11	8	10	89	3 1/2"	3.30
	22	BAL	9	11	8	10	89	3 1/2"	3.30
	23	HEM	9	12.7	8	12.7	102	4"	4.40
	24	BAL	9	12.7	8	12.7	102	4"	4.40
	25	HEM	9	14	9	12.7	115	4 1/2"	5.30
Flat Face	3 Front Flushing Holes								

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

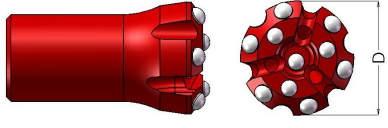
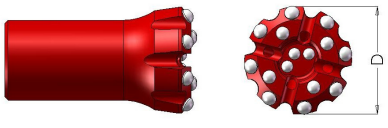
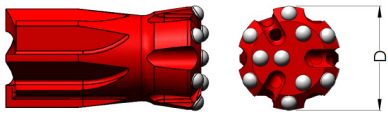
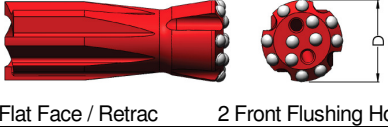
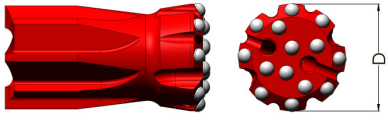
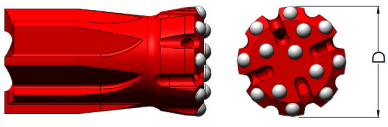


ROCKMORE
INTERNATIONAL



XT38 (1 1/2")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso	
			Gauge / Umfang extérieur / exterior		Front / Stirnseite front / frontal		[mm]	[in]		
			[No.]	[mm]	[No.]	[mm]				[kg]
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  Drop Center 3 Front Flushing Holes	26	HEM	6	10	3	10	64	2 1/2"	1.60	
	27	BAL	6	10	3	10	64	2 1/2"	1.60	
	28	HEM	6	11	3	11	70	2 3/4"	2.00	
	29	BAL	6	11	3	11	70	2 3/4"	2.00	
	30	HEM	6	12.7	3	11	76	3"	2.40	
	31	BAL	6	12.7	3	11	76	3"	2.40	
	32	HEM	6	14	3	12.7	89	3 1/2"	3.40	
	33	BAL	6	14	3	12.7	89	3 1/2"	3.40	
	 Drop Center 4 Front Flushing Holes	34	HEM	8	11	5	10	76	3"	2.40
		35	BAL	8	11	5	10	76	3"	2.40
36		HEM	8	11	4	11	89	3 1/2"	3.30	
37		BAL	8	11	4	11	89	3 1/2"	3.30	
38		HEM	8	14	4	12.7	102	4"	4.60	
39		BAL	8	14	4	12.7	102	4"	4.60	
 Flat Face / Retrac 3 Front Flushing Holes	40	HEM	6	12.7	3	12.7	76	3"	2.50	
	41	BAL	6	12.7	3	12.7	76	3"	2.50	
	42	HEM	6	14	4	14	89	3 1/2"	3.00	
	43	BAL	6	14	4	14	89	3 1/2"	3.00	
 Flat Face / Retrac 2 Front Flushing Holes	44	HEM	8	10	4	10	64	2 1/2"	1.80	
	45	BAL	8	10	4	10	64	2 1/2"	1.80	
 Flat Face / Retrac 2 Front Flushing Holes	46	HEM	8	11	6	11	76	3"	3.00	
	47	BAL	8	11	6	11	76	3"	3.00	
	48	HEM	8	12.7	6	12.7	89	3 1/2"	5.50	
	49	HEM (HD)	8	14	6	12.7	89	3 1/2"	5.50	
	50	BAL	8	12.7	6	12.7	89	3 1/2"	5.50	
	51	HEM	8	14	6	14	102	4"	6.90	
	52	BAL	8	14	6	14	102	4"	6.90	
 Flat Face / Retrac 4 Front Flushing Holes	53	HEM (HD)	8	12.7	5	10	76	3"	3.00	

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

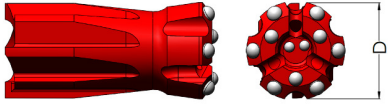
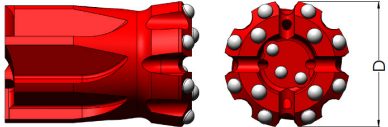


ROCK MORE
INTERNATIONAL



XT38 (1 1/2")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]	
			Gauge / Umfang extérieur / exterior		Front / Stirnseite front / frontal		[mm]	[in]		
			[No.]	[mm]	[No.]	[mm]				
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  Drop Center / Retrac 3 Front Flushing Holes	54	HEM	6	10	3	10	64	2 1/2"	1.80	
	55	BAL	6	10	3	10	64	2 1/2"	1.80	
	56	HEM	6	11	3	11	70	2 3/4"	2.50	
	57	BAL	6	11	3	11	70	2 3/4"	2.50	
	58	HEM	6	12.7	3	11	76	3"	3.00	
	59	BAL	6	12.7	3	11	76	3"	3.00	
	60	HEM	6	14	3	12.7	89	3 1/2"	4.90	
	61	BAL	6	14	3	12.7	89	3 1/2"	4.90	
	 Drop Center / Retrac 4 Front Flushing Holes	62	HEM	8	11	5	10	76	3"	2.90
		63	BAL	8	11	5	10	76	3"	2.90
64		HEM	8	11	4	11	89	3 1/2"	4.80	
65		BAL	8	11	4	11	89	3 1/2"	4.80	
66		HEM	8	14	4	12.7	102	4"	6.70	
67		BAL	8	14	4	12.7	102	4"	6.70	

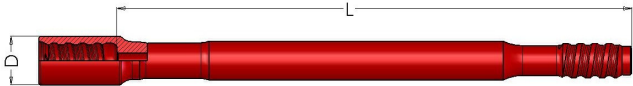
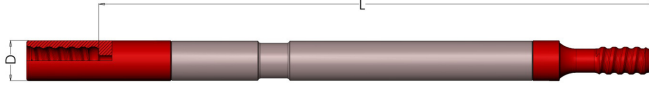
HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

MP = MultiPoint carbide on request / MultiPoint Stift auf Anfrage / Boutons MultiPoint sur demande / Botones MultiPoint a solicitud



Extension rod Verlängerungsstange Tige allonge Barra de extensión	Reference Number	D		L		Weight Gewicht Poids Peso [kg]		
		[mm]	[in]	[mm]	[ft in]			
MF-rod Rd 39 / Ø 14.5 mm (1 1/2" / Ø 37/64") 	68	56	2 7/32"	1220	4'	10.60		
	69	56	2 7/32"	1525	5'	13.05		
	70	56	2 7/32"	1830	6'	15.60		
	71	56	2 7/32"	2435	8'	20.80		
	72	56	2 7/32"	3050	10'	25.60		
	73	56	2 7/32"	3660	12'	30.40		
	74	56	2 7/32"	4270	14'	35.20		
	Starter Guide Tube Modular 3-Piece Design 	Reference Number	D		L		Weight Gewicht Poids Peso [kg]	
[mm]			[in]	[mm]	[ft in]			
75			56	2 7/32"	1220	4'		17.00
76			56	2 7/32"	1830	6'		24.00
77			56	2 7/32"	3050	10'		39.90
78			56	2 7/32"	3660	12'		47.40
79	56	2 7/32"	4270	14'	55.00			
Additional lengths available upon request.								

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



ROCKMORE
INTERNATIONAL



XT38 (1 1/2")



Shank adapters (striking bars)

Einsteckende

Tiges d'emmanchement

Adaptadores



See ROCKMORE catalog for complete list of suitable shank adapters (striking bars).

Bit adapter

Übergangsstück

Manchon d'adaptation

Adaptador de broca

Reference Number

Thread /
Gewinde
Filet / Rosca

D

L

Weight

Gewicht

Poids

Peso

[kg]

A

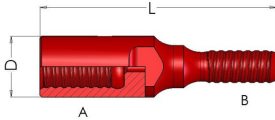
B

[mm]

[in]

[mm]

[in]



80

81

82

83

84

85

R32

XT38

R38

XT38

XT38

T45

T45

XT38

R32

XT38

R38

R38

T45

XT38

44

55

55

55

55

55

63

1 47/64"

2 11/64"

2 11/64"

2 11/64"

2 11/64"

2 11/64"

2 31/64"

270

280

280

280

280

280

280

10 5/8"

11 1/32"

11 1/32"

11 1/32"

11 1/32"

11 1/32"

11 1/32"

2.50

2.50

2.70

2.70

3.30

2.80



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

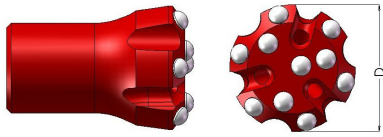
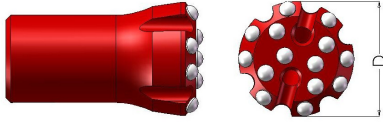
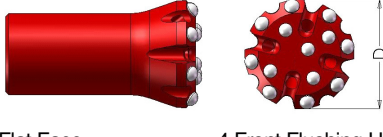
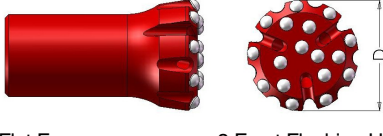
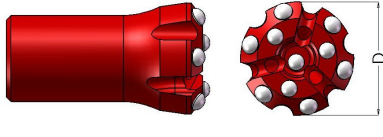


ROCKMORE
INTERNATIONAL



XT45 (1 3/4")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]
			Gauge / Umfang extérieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]	
 Flat Face 3 Front Flushing Holes	1	HEM	6	12.7	3	12.7	76	3"	2.70
	2	BAL	6	12.7	3	12.7	76	3"	2.70
	3	HEM	6	14	4	14	89	3 1/2"	3.20
	4	BAL	6	14	4	14	89	3 1/2"	3.20
 Flat Face 2 Front Flushing Holes	5	HEM	8	11	6	11	76	3"	2.60
	6	BAL	8	11	6	11	76	3"	2.60
	7	BAL	8	12.7	6	11	82	3 1/4"	3.00
	8	HEM	8	12.7	6	11	85	3 3/8"	3.20
	9	BAL	8	12.7	6	11	85	3 3/8"	3.20
	10	HEM	8	12.7	6	12.7	89	3 1/2"	3.20
	11	HEM (HD)	8	14	6	12.7	89	3 1/2"	3.20
	12	BAL	8	12.7	6	12.7	89	3 1/2"	3.20
	13	HEM	8	14	6	14	102	4"	4.20
	14	BAL	8	14	6	14	102	4"	4.20
	15	HEM	8	16	6	14	115	4 1/2"	7.50
16	HEM	8	16	8	14	127	5"	8.80	
 Flat Face 4 Front Flushing Holes	17	HEM (HD)	8	12.7	5	10	76	3"	2.60
 Flat Face 3 Front Flushing Holes	18	HEM	9	11	8	10	89	3 1/2"	3.20
	19	BAL	9	11	8	10	89	3 1/2"	3.20
	20	HEM	9	12.7	8	12.7	102	4"	4.20
	21	BAL	9	12.7	8	12.7	102	4"	4.20
	22	HEM	9	14	9	12.7	115	4 1/2"	7.50
	23	HEM	9	14	9	14	127	5"	8.80
 Drop Center 3 Front Flushing Holes	24	HEM	6	11	3	11	70	2 3/4"	2.10
	25	BAL	6	11	3	11	70	2 3/4"	2.10
	26	HEM	6	12.7	3	11	76	3"	2.50
	27	BAL	6	12.7	3	11	76	3"	2.50
	28	HEM	6	14	3	12.7	89	3 1/2"	3.00
	29	BAL	6	14	3	12.7	89	3 1/2"	3.00

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

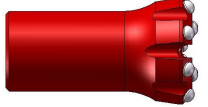

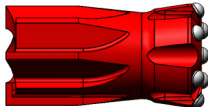
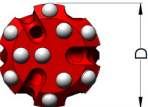
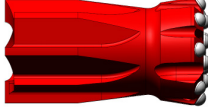
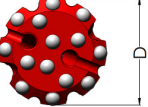
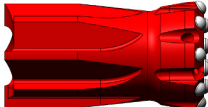
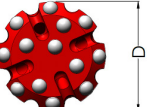
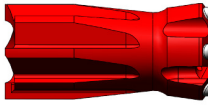
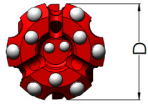

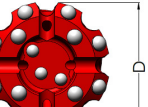


ROCKMORE
INTERNATIONAL



XT45 (1 3/4")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso
			Gauge / Umfang extérieur / exterior		Front / Stirnseite front / frontal		[mm]	[in]	
			[No.]	[mm]	[No.]	[mm]			
 Drop Center  4 Front Flushing Holes	30	HEM	8	11	5	10	76	3"	2.50
	31	BAL	8	11	5	10	76	3"	2.50
	32	HEM	8	11	4	11	89	3 1/2"	3.00
	33	BAL	8	11	4	11	89	3 1/2"	3.00
	34	HEM	8	14	4	12.7	102	4"	4.40
	35	BAL	8	14	4	12.7	102	4"	4.40
	36	HEM	8	14	4	14	115	4 1/2"	7.20
 Flat Face / Retrac  3 Front Flushing Holes	37	HEM	6	12.7	3	12.7	76	3"	2.70
	38	BAL	6	12.7	3	12.7	76	3"	2.70
	39	HEM	6	14	4	14	89	3 1/2"	4.90
	40	BAL	6	14	4	14	89	3 1/2"	4.90
 Flat Face / Retrac  2 Front Flushing Holes	41	HEM	8	11	6	11	76	3"	2.70
	42	BAL	8	11	6	11	76	3"	2.70
	43	BAL	8	12.7	6	11	82	3 1/4"	4.00
	44	HEM	8	12.7	6	12.7	89	3 1/2"	4.90
	45	HEM (HD)	8	14	6	12.7	89	3 1/2"	4.90
	46	BAL	8	12.7	6	12.7	89	3 1/2"	4.90
	47	HEM	8	14	6	14	102	4"	6.50
	48	BAL	8	14	6	14	102	4"	6.50
	49	HEM	8	16	6	14	115	4 1/2"	9.20
	50	HEM	8	16	8	14	127	5"	10.30
 Flat Face / Retrac  4 Front Flushing Holes	51	HEM (HD)	8	12.7	5	10	76	3"	2.70
 Drop Center / Retrac  3 Front Flushing Holes	52	HEM	6	11	3	11	70	2 3/4"	2.10
	53	BAL	6	11	3	11	70	2 3/4"	2.10
	54	HEM	6	12.7	3	11	76	3"	2.60
	55	BAL	6	12.7	3	11	76	3"	2.60
	56	HEM	6	14	3	12.7	89	3 1/2"	4.50
	57	BAL	6	14	3	12.7	89	3 1/2"	4.50
 Drop Center / Retrac  4 Front Flushing Holes	58	HEM	8	11	5	10	76	3"	2.60
	59	BAL	8	11	5	10	76	3"	2.60
	60	HEM	8	11	4	11	89	3 1/2"	4.70
	61	BAL	8	11	4	11	89	3 1/2"	4.70
	62	HEM	8	14	4	12.7	102	4"	6.10
	63	BAL	8	14	4	12.7	102	4"	6.10
	64	HEM	8	14	4	14	115	4 1/2"	8.60
	65	HEM	8	16	4	16	127	5"	9.70

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Paraboloidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

MP = MultiPoint carbide on request / MultiPoint Stift auf Anfrage / Boutons MultiPoint sur demande / Botones MultiPoint a solicitud



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

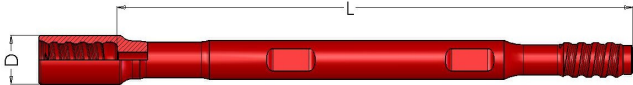
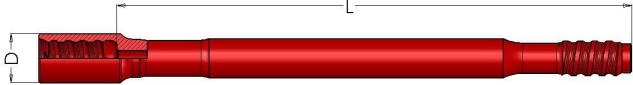
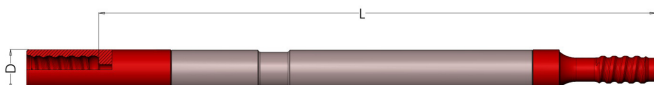

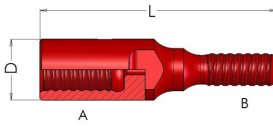


ROCKMORE
INTERNATIONAL



XT45 (1 3/4")



Extension rod Verlängerungsstange Tige allonge Barra de extensión	Reference Number	D		L		Weight Gewicht Poids Peso [kg]		
		[mm]	[in]	[mm]	[ft in]			
MF-rod Rd 46 / Ø 17 mm (1 13/16" / Ø 11/16") 	66	64	2 17/32"	1000	3' 3"	13.30		
	67	64	2 17/32"	1220	4'	15.50		
	68	64	2 17/32"	1500	4' 11"	19.00		
	69	64	2 17/32"	1525	5'	19.10		
	70	64	2 17/32"	1830	6'	21.80		
	71	64	2 17/32"	2000	6' 6"	24.20		
	72	64	2 17/32"	3050	10'	35.70		
MF-rod Rd 46 / Ø 17 mm (1 13/16" / Ø 11/16") 	73	64	2 17/32"	3660	12'	42.50		
	74	64	2 17/32"	4270	14'	49.50		
	75	64	2 17/32"	4880	16'	53.70		
	76	64	2 17/32"	5490	18'	62.60		
	77	64	2 17/32"	6100	20'	69.60		
Starter Guide Tube Modular 3-Piece Design	Ref No.	D		L		Weight Gewicht Poids Peso [kg]		
		[mm]	[in]	[mm]	[ft in]			
MF-Tube -- Modular 3-Piece Design 	78	64	2 17/32"	3660	12'	59.10		
	79	64	2 17/32"	4270	14'	68.90		
	80	76	3"	3660	12'	92.50		
Additional lengths available upon request.								
Shank adapters (striking bars) Einsteckende Tiges d'emmanchement Adaptadores								
		See ROCKMORE catalog for complete list of suitable shank adapters (striking bars).						
Bit adapter Übergangsstück Manchon d'adaptation Adaptador de broca	Reference Number	Thread / Gewinde Filet / Rosca		D		L		Weight Gewicht Poids Peso [kg]
		A	B	[mm]	[in]	[mm]	[in]	
	81	R32	XT45	44	1 47/64"	360	14 3/16"	3.90
	82	R38	XT45	55	2 11/64"	280	11 1/32"	3.30
	83	T38	XT45	55	2 11/64"	280	11 1/32"	3.30
	84	XT45	R38	63	2 31/64"	280	11 1/32"	3.10
	85	XT45	T38	63	2 31/64"	280	11 1/32"	2.80
	86	XT45	T51	63	2 31/64"	285	11 7/32"	4.10
	87	T51	XT45	72	2 27/32"	285	11 7/32"	3.85

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

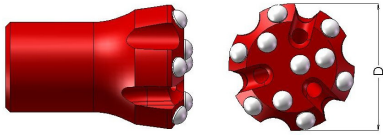
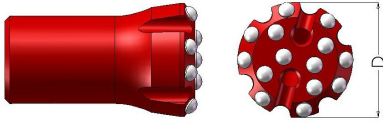
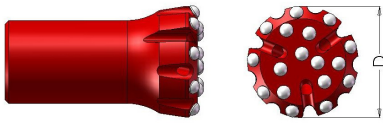
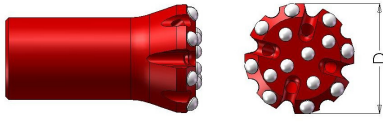
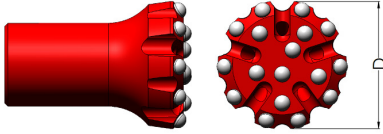


ROCK MORE
INTERNATIONAL



XT51 (2'')



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]	
			Gauge / Umfang extérieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]		
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones	1	HEM	6	14	4	14	89	3 1/2"	3.80	
	2	BAL	6	14	4	14	89	3 1/2"	3.80	
 Flat Face 3 Front Flushing Holes										
 Flat Face 2 Front Flushing Holes	3	HEM	8	12.7	6	11	82	3 1/4"	3.20	
	4	BAL	8	12.7	6	11	82	3 1/4"	3.20	
	5	HEM	8	12.7	6	11	85	3 3/8"	3.40	
	6	BAL	8	12.7	6	11	85	3 3/8"	3.40	
	7	HEM	8	12.7	6	12.7	89	3 1/2"	3.80	
	8	BAL	8	12.7	6	12.7	89	3 1/2"	3.80	
	9	HEM	8	14	6	14	102	4"	5.20	
	10	BAL	8	14	6	14	102	4"	5.20	
	11	HEM	8	16	6	14	115	4 1/2"	6.70	
	12	BAL	8	16	6	14	115	4 1/2"	6.70	
	13	HEM	8	16	8	14	127	5"	8.00	
	14	HEM	8	16	8	16	140	5 1/2"	12.20	
 Flat Face 3 Front Flushing Holes	15	HEM	9	11	8	10	89	3 1/2"	3.80	
	16	BAL	9	11	8	10	89	3 1/2"	3.80	
	17	HEM	9	12.7	8	12.7	102	4"	5.30	
	18	BAL	9	12.7	8	12.7	102	4"	5.30	
	19	HEM	9	14	9	12.7	115	4 1/2"	6.00	
	20	HEM	9	14	9	14	127	5"	8.10	
 Flat Face 4 Front Flushing Holes	21	HEM	8	14	6	12.7	102	4"	5.30	
	22	BAL	8	14	6	12.7	102	4"	5.30	
	23	HEM	8	14	7	14	115	4 1/2"	6.00	
	24	BAL	8	14	7	14	115	4 1/2"	6.00	
	25	HEM	8	16	8	14	127	5"	8.10	
 StarFlow Flat Face 5 Front Flushing Holes	26	HEM	10	14	9	12.7	115	4 1/2"	6.00	
	27	HEM	10	16	7	16	127	5"	8.10	
	28	HEM	10	16	8	16	140	5 1/2"	12.20	

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

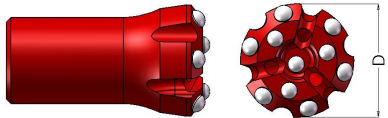
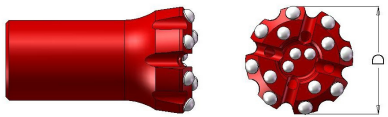
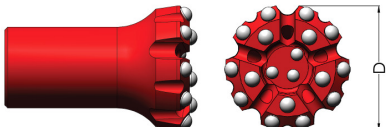
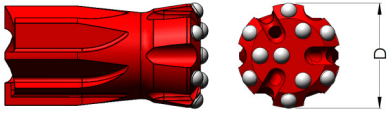
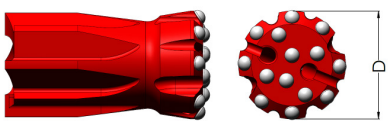
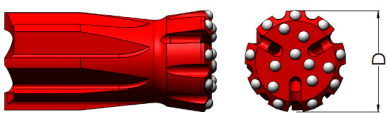


ROCKMORE
INTERNATIONAL



XT51 (2")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso
			Gauge / Umfang extérieur / exterior		Front / Stirnseite front / frontal		[mm]	[in]	
			[No.]	[mm]	[No.]	[mm]			
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  Drop Center 3 Front Flushing Holes	29	HEM	6	12.7	3	11	76	3"	3.00
	30	BAL	6	12.7	3	11	76	3"	3.00
	31	HEM	6	12.7	3	11	80	3 1/8"	3.30
	32	BAL	6	12.7	3	11	80	3 1/8"	3.30
	33	HEM	6	14	3	12.7	89	3 1/2"	3.60
	34	BAL	6	14	3	12.7	89	3 1/2"	3.60
	35	HEM	8	11	4	11	89	3 1/2"	3.60
 Drop Center 4 Front Flushing Holes	36	BAL	8	11	4	11	89	3 1/2"	3.60
	37	HEM	8	14	4	12.7	102	4"	4.80
	38	BAL	8	14	4	12.7	102	4"	4.80
	39	HEM	8	14	4	14	115	4 1/2"	6.20
	40	BAL	8	14	4	14	115	4 1/2"	6.20
	41	HEM	8	16	4	16	127	5"	7.70
	42	BAL	8	16	4	16	127	5"	7.70
	43	HEM	8	16	4	16	140	5 1/2"	11.80
 StarFlow Drop Center 5 Front Flushing Holes	44	HEM	10	14	5	12.7	115	4 1/2"	5.70
	45	HEM	10	16	5	16	127	5"	7.70
	46	HEM	10	16	5	16	140	5 1/2"	11.80
 Flat Face / Retrac 3 Front Flushing Holes	47	HEM	6	14	4	14	89	3 1/2"	5.40
	48	BAL	6	14	4	14	89	3 1/2"	5.40
 Flat Face / Retrac 2 Front Flushing Holes	49	BAL	8	12.7	6	11	82	3 1/4"	4.00
	50	HEM	8	12.7	6	12.7	89	3 1/2"	5.40
	51	BAL	8	12.7	6	12.7	89	3 1/2"	5.40
	52	CON	8	12.7	6	12.7	89	3 1/2"	5.40
	53	HEM	8	14	6	14	102	4"	7.50
	54	BAL	8	14	6	14	102	4"	7.50
	55	HEM	8	16	6	14	115	4 1/2"	10.20
	56	HEM	8	16	8	14	127	5"	13.00
	57	HEM	8	16	8	16	140	5 1/2"	17.20
 Flat Face / Retrac 3 Front Flushing Holes	58	HEM	9	11	8	10	89	3 1/2"	5.40
	59	BAL	9	11	8	10	89	3 1/2"	5.40
	60	HEM	9	12.7	8	12.7	102	4"	7.50
	61	BAL	9	12.7	8	12.7	102	4"	7.50
	62	HEM	9	14	9	12.7	115	4 1/2"	10.20
	63	HEM	9	14	9	14	127	5"	13.00

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

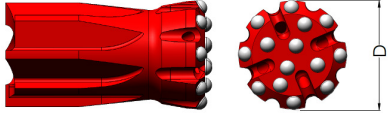
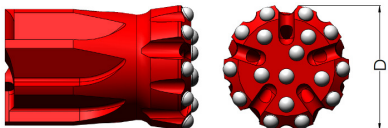
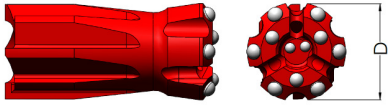
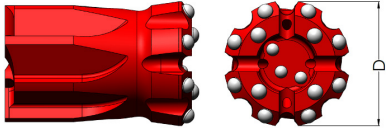
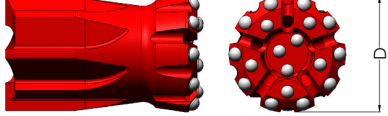


ROCKMORE
INTERNATIONAL



XT51 (2")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso
			Gauge / Umfang exterieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]	
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  Flat Face / Retrac 4 Front Flushing Holes	64	HEM	8	14	6	12.7	102	4"	7.40
	65	BAL	8	14	6	12.7	102	4"	7.40
	66	HEM	8	14	7	14	115	4 1/2"	10.20
	67	HEM	8	16	8	14	127	5"	13.00
 StarFlow Flat Face / Retrac 5 Front Flushing Holes	68	HEM	10	14	9	12.7	115	4 1/2"	10.20
	69	HEM	10	16	7	16	127	5"	13.00
	70	HEM	10	16	8	16	140	5 1/2"	17.20
 Drop Center / Retrac 3 Front Flushing Holes	71	HEM	6	14	3	12.7	89	3 1/2"	5.20
	72	BAL	6	14	3	12.7	89	3 1/2"	5.20
 Drop Center / Retrac 4 Front Flushing Holes	73	HEM	8	11	4	11	89	3 1/2"	5.20
	74	BAL	8	11	4	11	89	3 1/2"	5.20
	75	CON	8	14	4	11	89	3 1/2"	5.20
	76	HEM	8	14	4	12.7	102	4"	7.40
	77	BAL	8	14	4	12.7	102	4"	7.40
	78	HEM	8	14	4	14	115	4 1/2"	9.90
	79	HEM	8	16	4	16	127	5"	12.60
	80	HEM	8	16	4	16	140	5 1/2"	17.00
 StarFlow Drop Center / Retrac 5 Front Flushing Holes	81	HEM	10	14	5	12.7	115	4 1/2"	9.90
	82	HEM	10	16	5	16	127	5"	12.60
	83	HEM	10	16	5	16	140	5 1/2"	17.00

HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

MP = MultiPoint carbide on request / MultiPoint Stift auf Anfrage / Boutons MultiPoint sur demande / Botones MultiPoint a solicitud



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

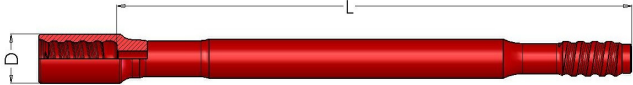
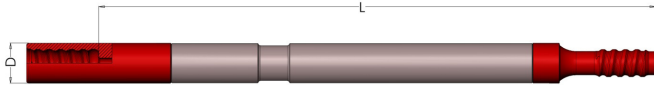

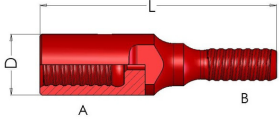


ROCKMORE
INTERNATIONAL



XT51 (2")



Extension rod Verlängerungsstange Tige allonge Barra de extensión	Reference Number	D		L		Weight Gewicht Poids Peso [kg]		
		[mm]	[in]	[mm]	[ft in]			
MF-rod Rd 52 / Ø 21.5 mm (2 1/16" / Ø 27/32") 	84	72	2 27/32"	1830	6'	27.30		
	85	72	2 27/32"	3050	10'	46.00		
	86	72	2 27/32"	3660	12'	52.50		
	87	72	2 27/32"	4000	13' 1-1/2"	57.00		
	88	72	2 27/32"	4270	14'	61.00		
	89	72	2 27/32"	4880	16'	67.90		
	90	72	2 27/32"	5490	18'	78.00		
	91	72	2 27/32"	6100	20'	86.50		
	Starter Guide Tube Modular 3-Piece Design	Reference Number	D		L		Weight Gewicht Poids Peso [kg]	
[mm]			[in]	[mm]	[ft in]			
MF-Tube Rd 76 (3") -- Modular 3-Piece Design 	92	76	3"	3660	12'	80.00		
	93	76	3"	4270	14'	98.70		
Additional lengths available upon request.								
Shank adapters (striking bars) Einsteckende Tiges d'emmanchement Adaptadores								
		See ROCKMORE catalog for complete list of suitable shank adapters (striking bars).						
Bit adapter Übergangsstück Manchon d'adaptation Adaptador de broca	Reference Number	Thread / Gewinde Filet / Rosca		D		L		Weight Gewicht Poids Peso [kg]
		A	B	[mm]	[in]	[mm]	[in]	
	94	T45	XT51	63	2 31/64"	285	11 7/32"	4.10
	95	XT51	T45	72	2 27/32"	285	11 7/32"	3.85
	96	XT51	ST58	76	3"	285	11 7/32"	5.70

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

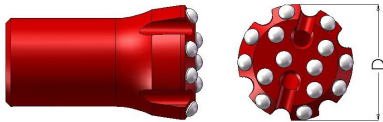
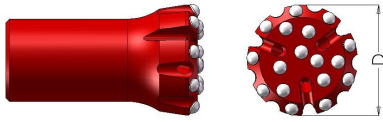
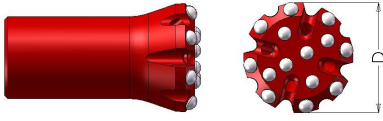
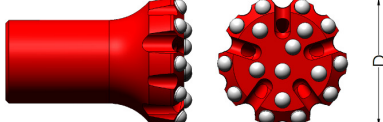
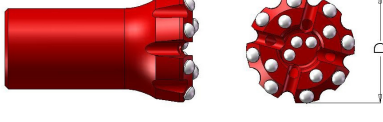


ROCKMORE
INTERNATIONAL



XT60 (2 1/4")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro		Front / Stirnseite front / frontal		D		Weight Gewicht Poids Peso
			Gauge / Umfang exterieur / exterior [No.]	[mm]	[No.]	[mm]	[mm]	[in]	
 Flat Face 2 Front Flushing Holes	1	HEM	8	12.7	6	12.7	93	3 11/16"	5.20
	2	BAL	8	12.7	6	12.7	93	3 11/16"	5.20
	3	HEM	8	12.7	6	12.7	95	3 3/4"	5.40
	4	BAL	8	12.7	6	12.7	95	3 3/4"	5.40
 Flat Face 3 Front Flushing Holes	5	HEM	9	11	8	10	89	3 1/2"	4.40
	6	BAL	9	11	8	10	89	3 1/2"	4.40
	7	HEM	9	12.7	8	12.7	102	4"	5.90
	8	BAL	9	12.7	8	12.7	102	4"	5.90
	9	HEM	9	14	9	12.7	115	4 1/2"	7.40
	10	HEM	9	14	9	14	127	5"	8.70
 Flat Face 4 Front Flushing Holes	11	HEM	8	14	6	12.7	102	4"	5.90
	12	BAL	8	14	6	12.7	102	4"	5.90
	13	HEM	8	14	7	14	115	4 1/2"	7.40
	14	BAL	8	14	7	14	115	4 1/2"	7.40
	15	HEM	8	16	8	14	127	5"	8.70
 StarFlow Flat Face 5 Front Flushing Holes	16	HEM	10	14	9	12.7	115	4 1/2"	6.80
	17	HEM	10	16	7	16	127	5"	8.30
	18	HEM	10	16	8	16	140	5 1/2"	12.40
 Drop Center 4 Front Flushing Holes	19	HEM	8	11	4	11	89	3 1/2"	4.20
	20	BAL	8	11	4	11	89	3 1/2"	4.20
	21	HEM	8	12.7	4	12.7	93	3 11/16"	5.20
	22	BAL	8	12.7	4	12.7	93	3 11/16"	5.20
	23	HEM	8	12.7	4	12.7	95	3 3/4"	5.40
	24	BAL	8	12.7	4	12.7	95	3 3/4"	5.40
	25	HEM	8	14	4	12.7	102	4"	5.40
	26	BAL	8	14	4	12.7	102	4"	5.40
	27	HEM	8	14	4	14	115	4 1/2"	6.80
	28	BAL	8	14	4	14	115	4 1/2"	6.80
	29	HEM	8	16	4	16	127	5"	8.30
	30	BAL	8	16	4	16	127	5"	8.30
31	HEM	8	16	4	16	140	5 1/2"	12.40	

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

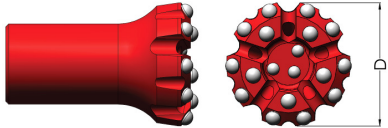
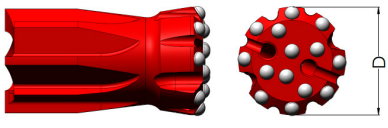
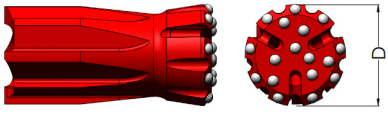
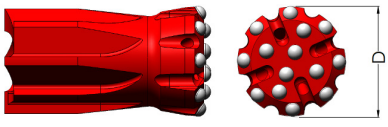
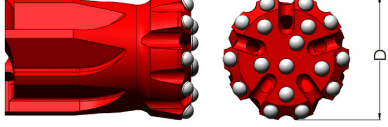
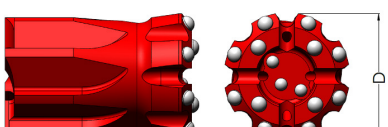
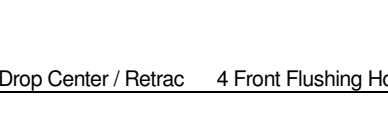


ROCK MORE
INTERNATIONAL



XT60 (2 1/4")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso
			Gauge / Umfang extérieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]	
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  StarFlow Drop Center 5 Front Flushing Holes	32	HEM	10	14	5	12.7	115	4 1/2"	6.80
	33	HEM	10	16	5	16	127	5"	8.30
	34	HEM	10	16	5	16	140	5 1/2"	12.40
 Flat Face / Retrac 2 Front Flushing Holes	35	HEM	8	12.7	6	12.7	93	3 11/16"	5.20
	36	BAL	8	12.7	6	12.7	93	3 11/16"	5.20
	37	HEM	8	12.7	6	12.7	95	3 3/4"	5.40
	38	BAL	8	12.7	6	12.7	95	3 3/4"	5.40
 Flat Face / Retrac 3 Front Flushing Holes	39	HEM	9	11	8	10	89	3 1/2"	5.20
	40	BAL	9	11	8	10	89	3 1/2"	5.20
	41	BAL	9	11	8	11	93	3 11/16"	5.40
	42	HEM	9	12.7	8	12.7	102	4"	7.30
	43	BAL	9	12.7	8	12.7	102	4"	7.30
	44	HEM	9	14	9	12.7	115	4 1/2"	10.00
 Flat Face / Retrac 4 Front Flushing Holes	45	HEM	9	14	9	14	127	5"	12.70
	46	HEM	8	14	6	12.7	102	4"	7.00
	47	BAL	8	14	6	12.7	102	4"	7.00
	48	HEM	8	14	7	14	115	4 1/2"	9.60
 Flat Face / Retrac 4 Front Flushing Holes	49	HEM	8	16	8	14	127	5"	12.30
	50	HEM	10	14	9	12.7	115	4 1/2"	9.60
	51	HEM	10	16	7	16	127	5"	12.30
	52	HEM	10	16	8	16	140	5 1/2"	17.00
 StarFlow Flat Face / Retrac 5 Front Flushing Holes	53	HEM	8	11	4	11	89	3 1/2"	5.00
	54	BAL	8	11	4	11	89	3 1/2"	5.00
	55	HEM	8	12.7	4	12.7	93	3 11/16"	5.20
	56	BAL	8	12.7	4	12.7	93	3 11/16"	5.20
	57	HEM	8	12.7	4	12.7	95	3 3/4"	5.40
	58	BAL	8	12.7	4	12.7	95	3 3/4"	5.40
	59	HEM	8	14	4	12.7	102	4"	7.00
	60	BAL	8	14	4	12.7	102	4"	7.00
	61	HEM	8	14	4	14	115	4 1/2"	9.60
	62	HEM	8	16	4	16	127	5"	12.30
	63	HEM	8	16	4	16	140	5 1/2"	17.00
 Drop Center / Retrac 4 Front Flushing Holes									

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión

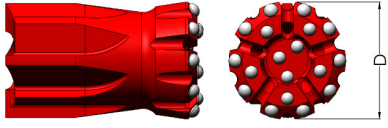


ROCK MORE
INTERNATIONAL



XT60 (2 1/4")



Bit Bohrkrone Taillant Broca	Reference Number	Carbide design	Carbide dimension Hartmetallabmessung Dimension métal dur Dimension metal duro				D		Weight Gewicht Poids Peso [kg]
			Gauge / Umfang extérieur / exterior [No.] [mm]		Front / Stirnseite front / frontal [No.] [mm]		[mm]	[in]	
Button bit / Stiftbohrkrone / Taillant à boutons métal dur / Broca de botones  StarFlow Drop Center / Retrac 5 Front Flushing Holes	64	HEM	10	14	5	12.7	115	4 1/2"	9.60
	65	HEM	10	16	5	16	127	5"	12.30
	66	HEM	10	16	5	16	140	5 1/2"	17.00



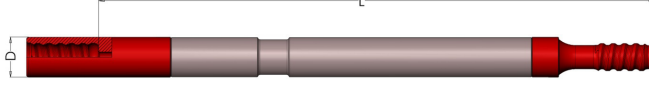
HEM = Hemispherical button / Kugelstift / Boutons hémisphériques / Botones esféricos

BAL = Semi Ballistic button / Parabolidstift / Boutons semi paraboliques / Botones semi parabólicos

CON = Conical carbide on request / Deltastift auf Anfrage / Boutons delta sur demande / Botones conicos a solicitud

MP = MultiPoint carbide on request / MultiPoint Stift auf Anfrage / Boutons MultiPoint sur demande / Botones MultiPoint a solicitud



Extension rod Verlängerungsstange Tige allonge Barra de extensión	Reference Number	D		L		Weight Gewicht Poids Peso [kg]
		[mm]	[in]	[mm]	[ft in]	
MF-rod Rd 60 / Ø 22.6 mm (2 1/4" / Ø 57/64") 	67	81	3 3/16"	3660	12'	76.20
	68	81	3 3/16"	4270	14'	86.70
	69	81	3 3/16"	5490	18'	109.60
	70	81	3 3/16"	6100	20'	121.70
MF-rod Rd 60 / Ø 22.6 mm (2 1/4" / Ø 57/64") 	71	85	3 3/8"	3660	12'	78.20
	72	85	3 3/8"	4270	14'	88.70
	73	85	3 3/8"	5490	18'	111.60
	74	85	3 3/8"	6100	20'	123.70
Starter Guide Tube Modular 3-Piece Design	Reference Number	D		L		Weight Gewicht Poids Peso [kg]
		[mm]	[in]	[mm]	[ft in]	
MF-Tube Rd 76 (3") -- Modular 3-Piece Design 	75	76	3"	3660	12'	94.00
	76	76	3"	4270	14'	106.00
Additional lengths available upon request.						

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



ROCKMORE
INTERNATIONAL



XT60 (2 1/4")



Shank adapters (striking bars)

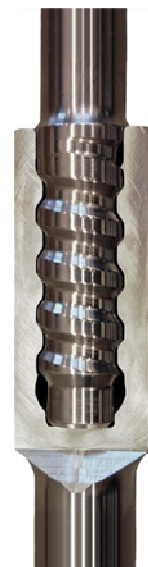
Einsteckende

Tiges d'emmanchement

Adaptadores



See ROCKMORE catalog for complete list of suitable shank adapters (striking bars).



Extension drilling tools

Verlängerungsbohrausrüstung

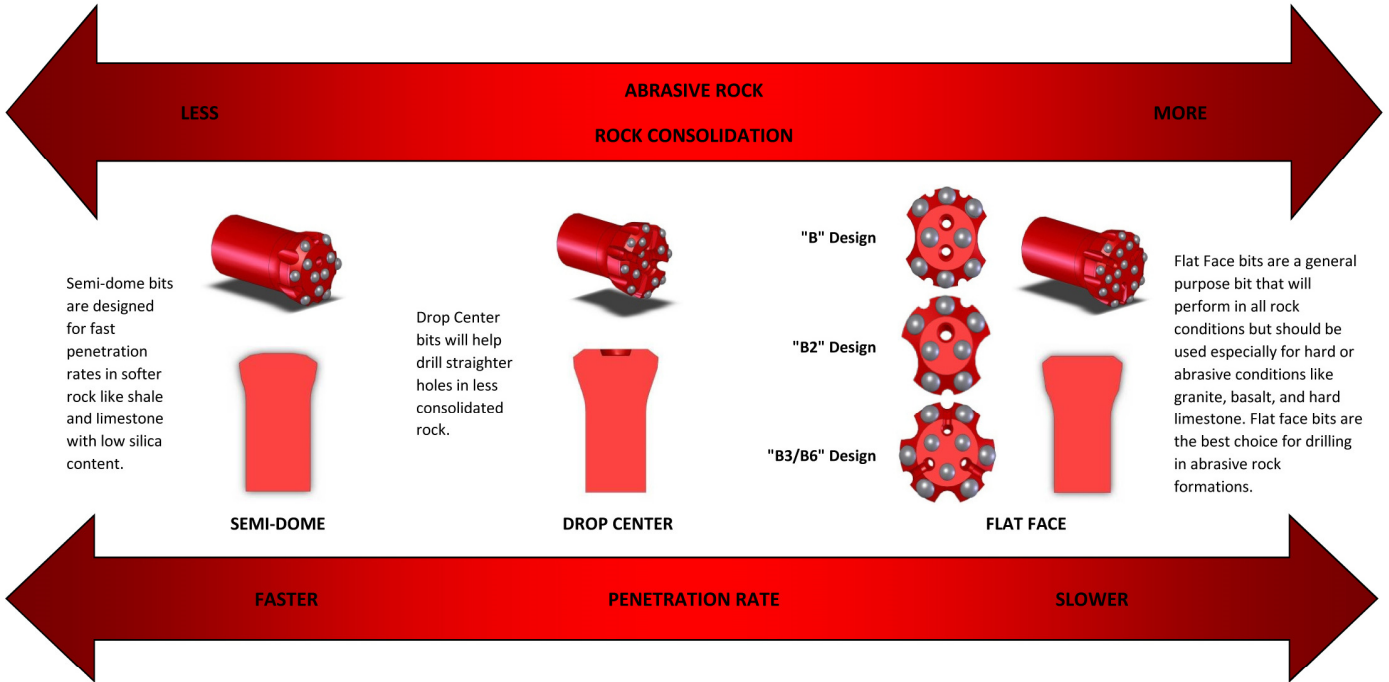
Equipement d'allonge

Varillaje de extensión

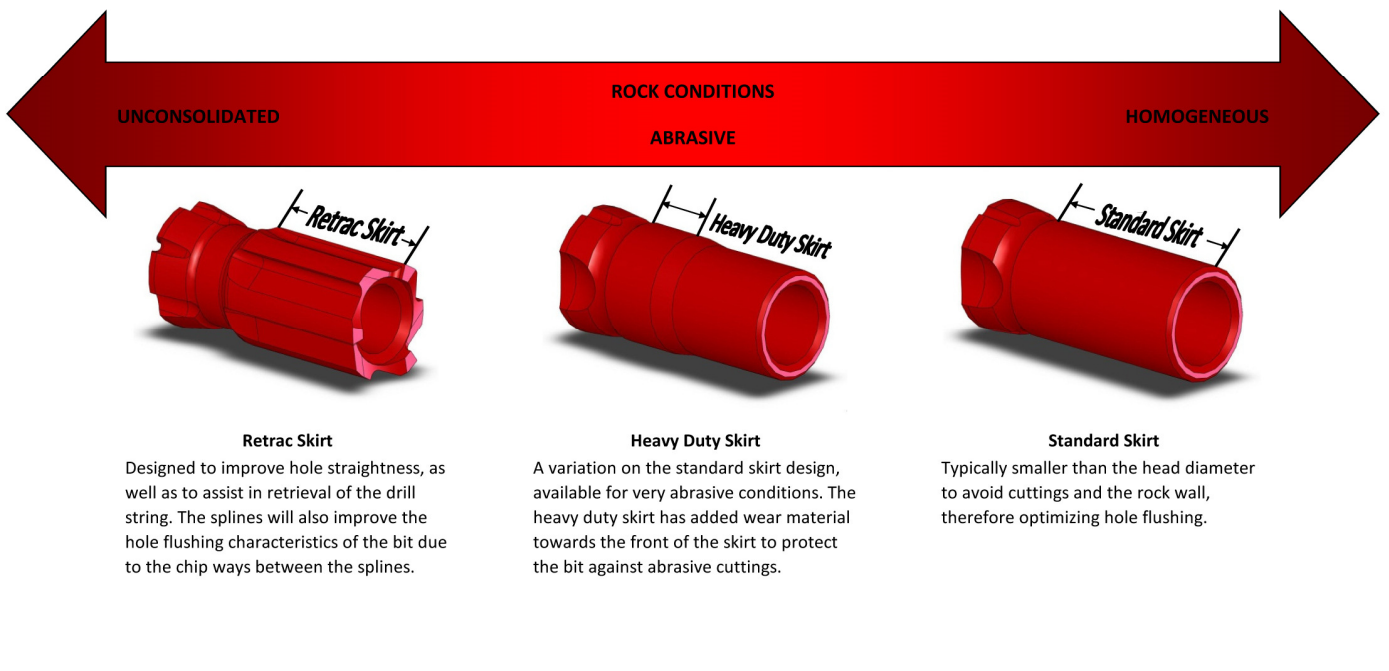


ROCKMORE
INTERNATIONAL

BIT FACE SELECTION



SKIRT SELECTION



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



ROCKMORE
INTERNATIONAL

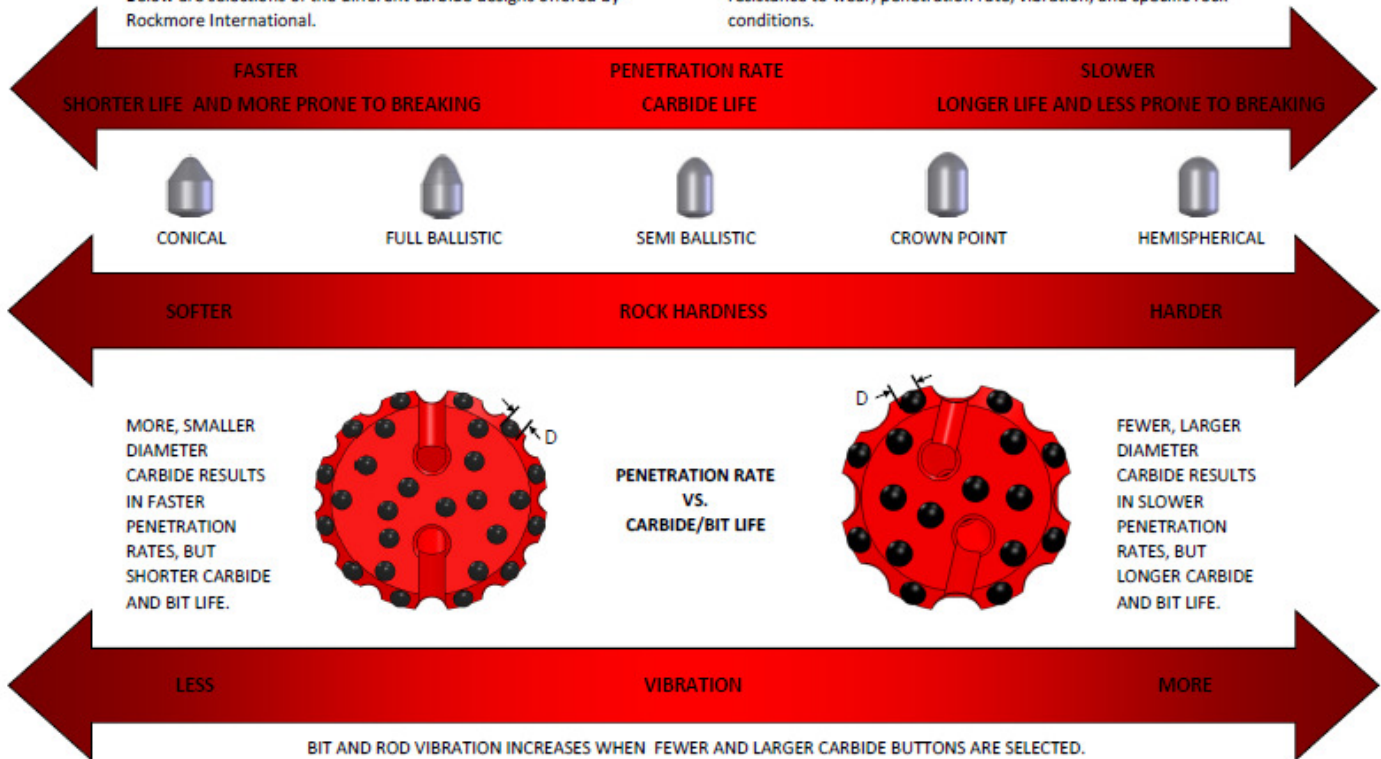
CARBIDE SELECTION

Carbide Designs

Perhaps the most fundamental decision when selecting different carbide configurations is profile shape. Button bits most commonly have either a hemispherical or semi-ballistic carbide design; however it is not uncommon to use other carbide designs as well. Below are selections of the different carbide designs offered by Rockmore International.

Carbide Configurations

Most face designs for button bits are offered in multiple carbide configurations and typically differ in diameter, shape (i.e. profile) and quantity. There are some general guidelines to follow while selecting between multiple carbide configurations including resistance to wear, penetration rate, vibration, and specific rock conditions.



MULTIPOINT

MultiPoint -- the next generation carbide insert. Rockmore's exclusive new carbide insert design provides multiple strike points for more efficient rock fracture and longer insert life. Along with longer insert life, MultiPoint carbides also provide smoother bit rotation and advancement.



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



ROCK MORE
INTERNATIONAL



ROCK MORE
INTERNATIONAL
Rock Drilling Tools



EXTRAC RETRAC BIT

NEW Xtrac BIT DESIGN Tapered Body Retrac Bit

Designed to improve top-hammer drill and blast operations. The Xtrac retrac bit increases overall drilling productivity by incorporating enhancements in the bit body design and improvements in the configuration of flushing geometry. This promotes straighter holes, faster penetration rates and longer bit life.

Available in standard "T" threads and the new "XT" thread connections of the Vector Rod System



Tapered retrac body designed to improve flushing geometry and increase performance

Features multiple flat spline grooves with extended cutting edges for smoother retraction of the bit

Available in various face designs and button configurations

AVAILABLE WITH THE FOLLOWING CARBIDE PROFILES



CONICAL



SEMI BALLISTIC



CROWN POINT



HEMISPHERICAL



MULTIPOINT

Extension drilling tools

Verlängerungsbohrausrüstung

Équipement d'allonge

Varillaje de extensión



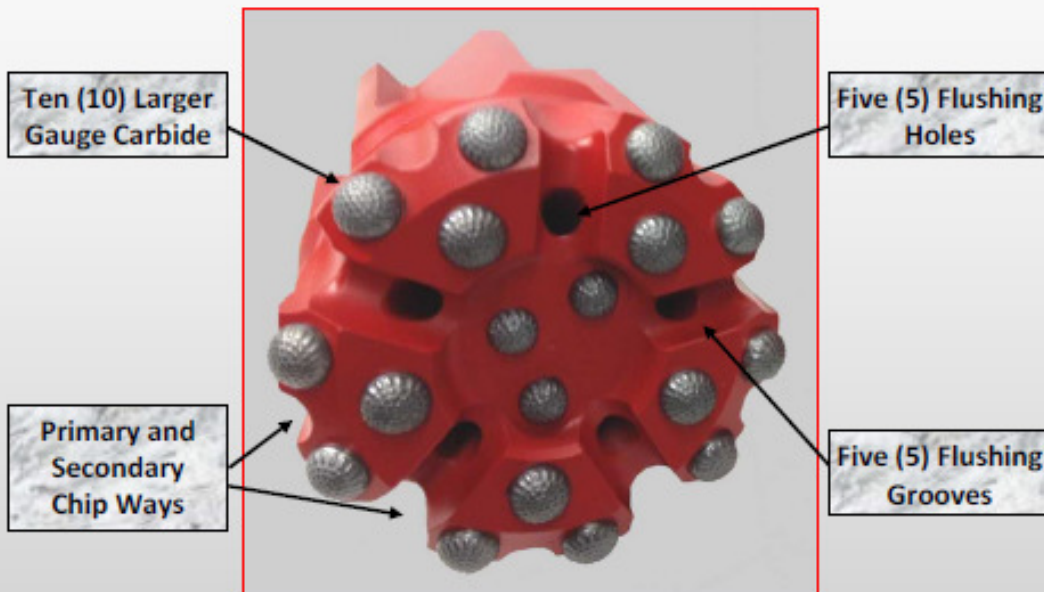
ROCK MORE
INTERNATIONAL



ROCK MORE
INTERNATIONAL
Rock Drilling Tools



***NEW* STARFLOW BIT DESIGN**



- ★ OPTIMAL FOR HARD, ABRASIVE AND CHALLENGING ROCK FORMATIONS
- ★ OFFERED IN 115mm & 127mm (4-1/2" & 5") DIAMETERS
- ★ AVAILABLE IN FLAT FACE AND DROP CENTER FACE DESIGNS
- ★ TEN (10) LARGER TUNGSTEN CARBIDE INSERTS ON THE GAUGE ROW FOR ENHANCED ROCK BREAKING
- ★ FIVE (5) FLUSH HOLES AND FLUSH GROOVES EFFECTIVELY CARRY THE ROCK CUTTINGS AWAY FROM THE BIT FACE
- ★ PROLONGED BIT LIFE AND INCREASED DRILLING PENETRATION RATES
- ★ INCREASED DRILLING EFFICIENCY AND REDUCED OPERATING COST

AVAILABLE WITH THE FOLLOWING CARBIDE PROFILES



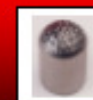
SEMI BALLISTIC



CROWN POINT



HEMISPHERICAL



MULTIPOINT

Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



ROCKMORE
INTERNATIONAL



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



STARTER GUIDE TUBE

STRAIGHT-HOLE DRILLING



Available Female Threads:

- T45
- XT45
- T51
- XT51
- ST58
- GT60
- T60
- XT60

Available Lengths (L):

- 3660mm (12')
- 4270mm (14')
- Per request

Available Male Threads:

- T45
- XT45
- T51
- XT51
- ST58
- GT60
- T60
- XT60

64mm (2-1/2") & 76mm (3") Diameters (D)



Replaceable Female End



Replaceable Male End

MODULAR 3-PIECE DESIGN

- Modular design: Thread ends can be changed to suit needed application
- Replaceable female and male thread ends easily assembled to center tube
- Superior performance compared to standard guide tubes
- 92mm to 152mm (3-5/8" to 6") bit diameters
- Optimal for unconsolidated rock conditions
- Male/Female (MF) design reduces thread wear
- Diameter of guide tube is larger and more rigid than standard drill rods, resulting in straighter holes
- Stronger thread connections, resulting in less breakages
- Improved energy transfer
- Increased drilling efficiency reduces operating costs
- Extended service life of entire drill string



Extension drilling tools

Verlängerungsbohrausrüstung

Equipement d'allonge

Varillaje de extensión



ROCKMORE
INTERNATIONAL



ROCKMORE
INTERNATIONAL

Rock Drilling Tools



The Next Generation Carbide Insert

MULTIPOINT



- Unique multiple contact carbide points
- Exclusive ROCKMORE design
- Smoother bit rotation & advancement
- More efficient rock fracture
- Longer insert life
- Faster penetration rates



www.rockmore-intl.com



For all your rock drilling tool needs contact
ROCKMORE INTERNATIONAL



USA

Phone: 1-503-682-1001

Fax: 1-503-682-1002

E-mail: info@rockmore-intl.com

10065 SW Commerce Circle
Wilsonville, OR 97070, USA

AUSTRIA

Phone: 43-3572-86300

Fax: 43-3572-84179

E-mail: austria@rockmore-intl.at

Collini - Strasse 2
A-8750 Judenburg, Austria

