



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

Rock Drilling Tools

2017 DTH PRODUCT HANDBOOK



For all your rock drilling tool needs contact
ROCKMORE INTERNATIONAL



USA

Phone: 503-682-1001
Fax: 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

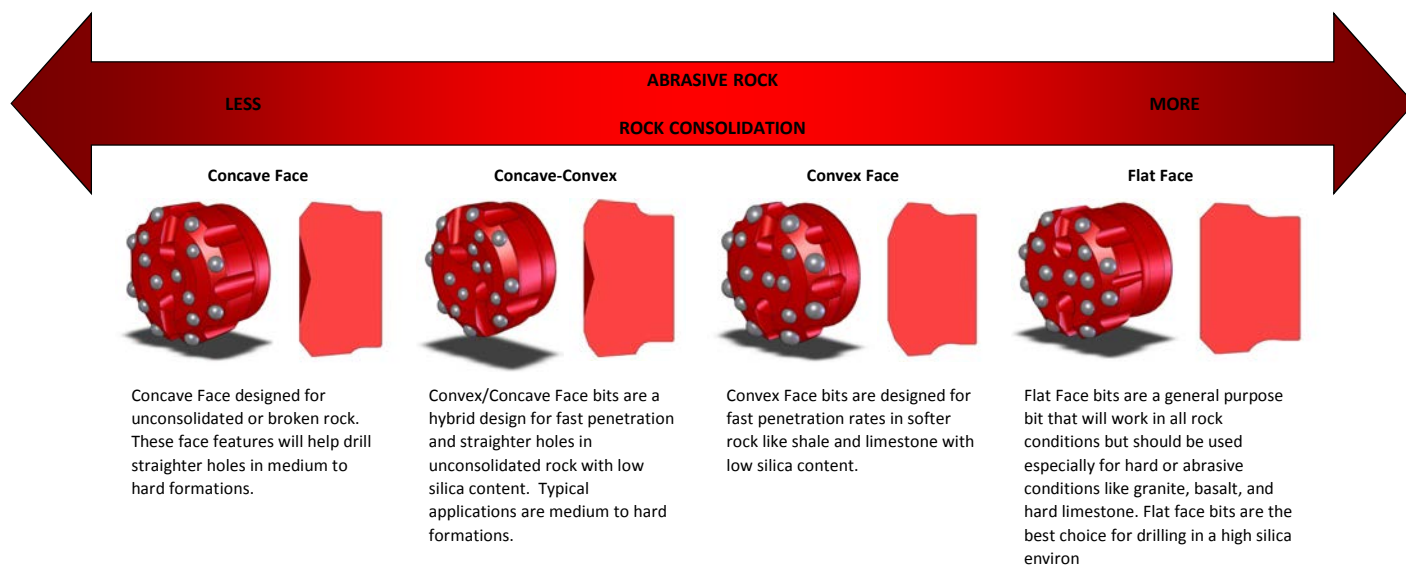


TABLE OF CONTENTS

	<u>PAGE</u>
Bit Face Selection	1
Carbide Selection	1
Down-the-Hole (DTH) Bits	2
Down-the-Hole (DTH) Hammers	15
DTH Hammer Rock Drill Oil	26
ROCKMORE product information	27



BIT FACE SELECTION



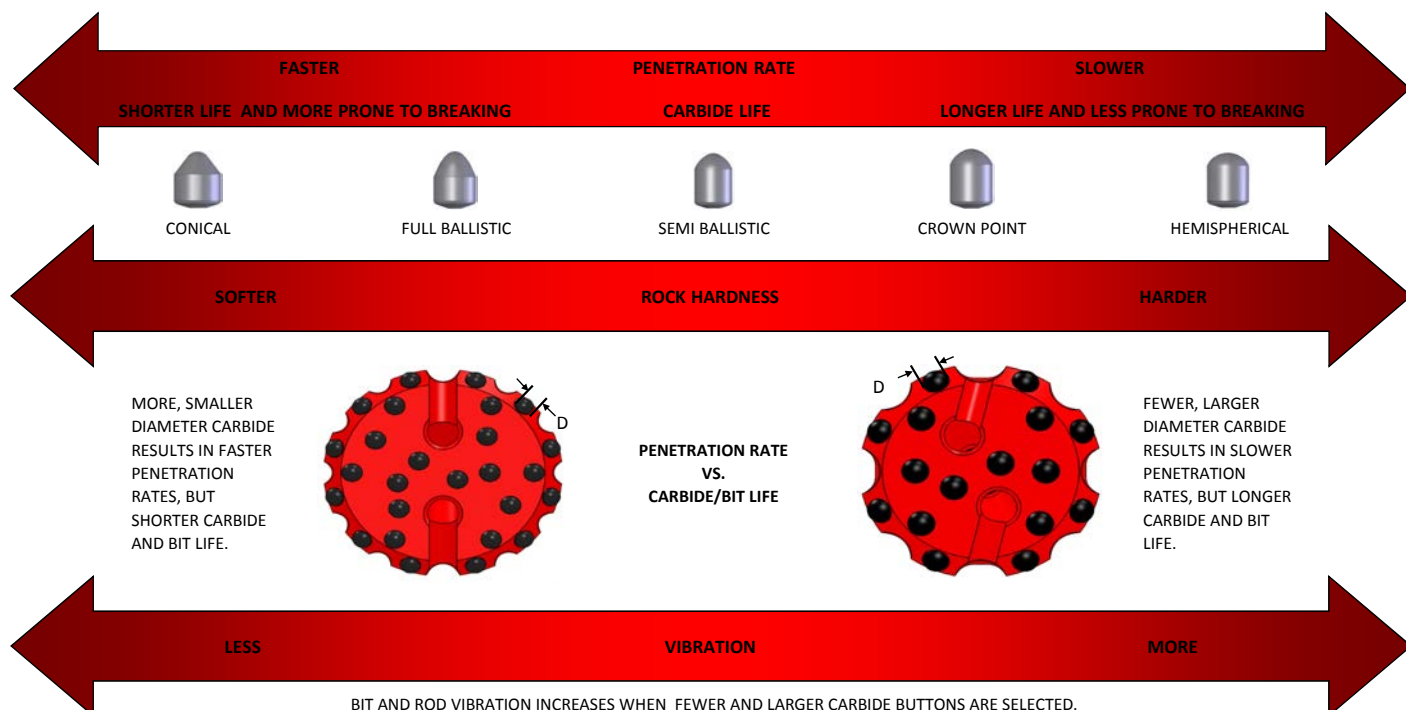
CARBIDE SELECTION

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

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 inclu



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.



DOWN-THE-HOLE (DTH) BITS ROCKMORE



SHANK: RM250

NO.	CONCAVE	 	CARBIDE DIMENSIONS						DIAMETER				
			CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
1			HEM	8	11	7/16	6	9.5	3/8	76	3	RM250-76CC-3459	45616
10 SPLINES 2 FRONT FLUSHING HOLES													
NO.	CONVEX	 	CARBIDE DIMENSIONS						DIAMETER				
			CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
2			HEM	8	11	7/16	6	9.5	3/8	76	3	RM250-76CV-3678	45570
10 SPLINES 2 FRONT FLUSHING HOLES													

SHANK: DH500

NO.	CONCAVE   12 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D			
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
3		HEM	8	16	5/8	8	14	9/16	140	5-1/2	DH500-140CC-3084	45532
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	DH500-146CC-3083	45533
		HEM	8	16	5/8	9	16	5/8	152	6	DH500-152CC-3220	45534

CARBIDE PROFILE DESIGNS

Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

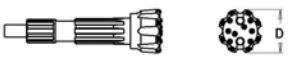
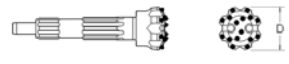
ATLAS COPCO



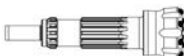
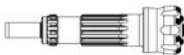
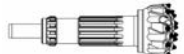
SHANK: COP 32

NO.	CONVEX  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1		FB	8	11	7/16	6	11	7/16	85	3-3/8	COP32-85CVB-2727	45133
		HEM	8	12	15/32	6	12	15/32	90	3-1/2	COP32-90CV-1787	45079
		FB	8	12	15/32	6	12	15/32	90	3-1/2	COP32-90CVB-1401	41248

SHANK: COP 34

NO.	FLAT FACE  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
2		HEM	8	11	7/16	6	11	7/16	92	3-5/8	COP34-92FF-2738	45254
		HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	COP34-95FF-2739	45305
		HEM	8	12.7	1/2	8	12.7	1/2	105	4-1/8	COP34-105FF-2740	45209
NO.	CONVEX  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
3		HEM	8	11	7/16	6	11	7/16	92	3-5/8	COP34-92CV-2605	45457
		BAL	8	11	7/16	6	11	7/16	92	3-5/8	COP34-92CVB-2606	45253
		HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	COP34-95CV-2734	45256
		BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	COP34-95CVB-2735	45255
		HEM	8	12.7	1/2	7	12.7	1/2	100	3-15/16	COP34-100CV-2806	45258
		FB	8	12.7	1/2	7	12.7	1/2	100	3-15/16	COP34-100CVB-2807	45257
		HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	COP34-105CV-2736	45458
		BAL	8	12.7	1/2	8	11	7/16	105	4-1/8	COP34-105CVB-2737	45210

SHANK: TD 40

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA		AUSTRIA
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.			
4	 	HEM	8	14	9/16	7	12.7	1/2	110	4-5/16	TD40-110FF-3684	45595	
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	TD40-115FF-3529	45574	
		HEM	8	16	5/8	6	12.7	1/2	115	4-1/2	TD40-115FF-3689	45598	
		HEM	8	14	9/16	8	12.7	1/2	120	4-23/32	TD40-120FF-3692	45596	
		HEM	8	14	9/16	10	12.7	1/2	125	4-15/16	TD40-125FF-3696	45556	
		HEM	8	16	5/8	8	14	9/16	130	5-1/8	TD40-130FF-3698	45597	
		HEM	8	16	5/8	10	14	9/16	140	5-1/2	TD40-140FF-3699	45537	
12 SPLINES 2 FRONT FLUSHING HOLES													
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA		AUSTRIA
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.			
5	 	HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	TD40-115CC-3685	45600	
		HEM / BAL	8	14	9/16	8	12.7	1/2	115	4-1/2	TD40-115CC-3686	45604	
		HEM	8	16	5/8	8	12.7	1/2	125	4-15/16	TD40-125CC-3693	45601	
		HEM / BAL	8	16	5/8	8	12.7	1/2	125	4-15/16	TD40-125CC-3694	45605	
12 SPLINES 2 FRONT FLUSHING HOLES													
NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA		AUSTRIA
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.			
6	 	BAL	8	14	9/16	8	12.7	1/2	110	4-5/16	TD40-110CVB-3683	45585	
		BAL	8	12.7	1/2	8	12.7	1/2	115	4-1/2	TD40-115CVB-3688	45586	
		BAL	8	14	9/16	7	12.7	1/2	115	4-1/2	TD40-115CVB-3687	45593	
		BAL	8	14	9/16	8	12.7	1/2	120	4-23/32	TD40-120CVB-3691	45587	
		BAL	8	14	9/16	9	12.7	1/2	125	4-15/16	TD40-125CVB-3695	45588	
		BAL	8	14	9/16	10	12.7	1/2	130	5-1/8	TD40-130CVB-3697	45589	
		BAL	8	14	9/16	10	12.7	1/2	130	5-1/8	TD40-130CVB-3697	45589	
12 SPLINES 2 FRONT FLUSHING HOLES													
NO.	HEDGEHOG, CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA		AUSTRIA
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.			
7	 	FB	8	13	33/64	8	12	15/32	115	4-1/2	TD40-115HHCVB-3690	45608	
12 SPLINES 2 FRONT FLUSHING HOLES													

CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

BULROC



SHANK: BULROC 2, ROK 2LT

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
1	 	HEM	6	10	13/32	5	10	13/32	70	2-3/4	BUL2-70FF-3029	45135
		BAL	6	10	13/32	5	10	13/32	70	2-3/4	BUL2-70FFB-3031	45180
		HEM	6	11	7/16	5	11	7/16	76	3	BUL2-76FF-2960	45087
		HEM / BAL	6	11	7/16	5	11	7/16	76	3	BUL2-76FF-3030	45088
		BAL	6	11	7/16	5	11	7/16	76	3	BUL2-76FFB-3032	45089
6 SPLINES 2 FRONT FLUSHING HOLES												

SHANK: BULROC 3/33

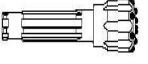
NO.	FLAT FACE		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
			CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
				No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
2		6 SPLINES 2 FRONT FLUSHING HOLES	HEM	6	14	9/16	5	14	9/16	95	3-3/4	BUL3-95FF-2316	45408
			HEM / FB	6	14	9/16	5	14	9/16	95	3-3/4	BUL3-95FF-2614	45430
			FB	6	14	9/16	5	14	9/16	95	3-3/4	BUL3-95FFB-2315	45400

NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
3	 	FB	8	11	7/16	6	11	7/16	85	3-3/8	BUL3-85CVB-2822	41245
		HEM	8	12	15/32	6	12	15/32	90	3-1/2	BUL3-90CV-2742	41216
		CON	8	12	15/32	6	12	15/32	90	3-1/2	BUL3-90CVC-2743	41233
		FB	8	11	7/16	8	11	7/16	90	3-1/2	BUL3-90CVB-2823	41215
		FB	8	12	15/32	6	12	15/32	90	3-1/2	BUL3-90CVB-1875	41238
		HEM	8	12	15/32	6	12	15/32	95	3-3/4	BUL3-95CV-2744	41237
		FB	8	12	15/32	6	12	15/32	95	3-3/4	BUL3-95CVB-1402	41234
		HEM	8	12	15/32	8	12	15/32	105	4-1/8	BUL3-105CV-2745	41239
		FB	8	12	15/32	8	12	15/32	105	4-1/8	BUL3-105CVB-1932	41232
6 SPLINES 2 FRONT FLUSHING HOLES												

NO.	HEDGEHOG, CONVEX 	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
4	 6 SPLINES 2 FRONT FLUSHING HOLES	FB	7	11	7/16	6	11	7/16	90	3-1/2	BUL3-90HHCVB-3784	45413

NO.	SPHERICAL  6 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
5	 6 SPLINES 2 FRONT FLUSHING HOLES	SPIKE	8	12	15/32	7	12	15/32	90	3-1/2	BUL3-89SC-1735	41223
		SPIKE	8	12	15/32	7	12	15/32	95	3-3/4	BUL3-95SC-3765	41224

SHANK: BULROC 33, ROK 3LT

NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA		AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.			
6		HEM	8	12	15/32	6	12	15/32	90	3-1/2	BUL33-90CV-2728	45463	
		CON	8	11	7/16	6	11	7/16	90	3-1/2	BUL33-90CVC-2378	45164	
		FB	8	12	15/32	6	12	15/32	90	3-1/2	BUL33-90CVB-2690	45162	
		HEM	8	12	15/32	6	12	15/32	95	3-3/4	BUL33-95CV-2729	45459	
		FB	8	12	15/32	6	12	15/32	95	3-3/4	BUL33-95CVB-2732	45460	
		HEM	8	12	15/32	8	12	15/32	105	4-1/8	BUL33-105CV-2733	45461	
		FB	8	12	15/32	8	12	15/32	105	4-1/8	BUL33-105CVB-2741	45462	

CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

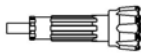
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

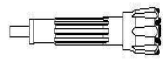
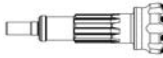
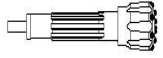
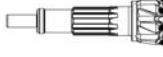
INGERSOLL-RAND



SHANK: IR 3.5

NO.	FLAT FACE	 8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		PART NUMBER			
				No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
1			HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	IR35-105FF-2590	45196
NO.	CONVEX	 8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		PART NUMBER			
				No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
2			HEM	8	11	7/16	6	11	7/16	92	3-5/8	IR35-92CV-2722	45070
			BAL	8	11	7/16	6	11	7/16	92	3-5/8	IR35-92CVB-2596	45137
			BAL	8	11	7/16	8	11	7/16	92	3-5/8	IR35-92CVB-2833	45278
			CON	8	12.7	1/2	6	12.7	1/2	92	3-5/8	IR35-92CVC-3766	45497
			HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35-95CV-2723	45291
			BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35-95CVB-2602	45290
			CON	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35-95CVC-3207	45412
			HEM	8	12.7	1/2	6	12.7	1/2	100	3-15/16	IR35-100CV-2724	45263
			BAL	8	12.7	1/2	6	12.7	1/2	100	3-15/16	IR35-100CVB-2603	45169
			HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	IR35-105CV-2725	45293
			BAL	8	12.7	1/2	8	11	7/16	105	4-1/8	IR35-105CVB-2726	45292
NO.	HEDGEHOG, CONVEX	 8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		PART NUMBER			
				No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
3			FB	7	11	7/16	6	11	7/16	92	3-5/8	IR35-92HHCVB-3178	45493
			FB	7	12	15/32	6	12	15/32	95	3-3/4	IR35-95HHCVB-3767	45494
			FB	7	12	15/32	6	12	15/32	100	3-15/16	IR35-100HHCVB-3179	45524
			FB	7	12	15/32	6	12	15/32	105	4-1/8	IR35-105HHCVB-3214	45528

SHANK: IR 3.5HD

NO.	FLAT FACE	 	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA			
				No.	mm	In.	No.	mm	In.			mm	In.	
4			HEM	8	14	9/16	7	12.7	1/2	105	4-1/8	IR35HD-105FF-2832	45335	
8 SPLINES 2 FRONT FLUSHING HOLES														
NO.	CONCAVE	 	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA			
				No.	mm	In.	No.	mm	In.			mm	In.	
5			HEM / BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CC-3770	45519	
8 SPLINES 2 FRONT FLUSHING HOLES														
NO.	CONVEX	 	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA			
				No.	mm	In.	No.	mm	In.			mm	In.	
			6	HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CV-2827	45331
				HEM / BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CV-3771	45468
				BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CVB-2828	45330
				CON	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CVC-3772	45498
				HEM	8	12.7	1/2	7	12.7	1/2	100	3-15/16	IR35HD-100CV-2829	45333
				BAL	8	12.7	1/2	7	12.7	1/2	100	3-15/16	IR35HD-100CVB-2830	45332
				CON	8	12.7	1/2	7	12.7	1/2	100	3-15/16	IR35HD-100CVC-3768	45523
				FB	7	14	9/16	6	14	9/16	105	4-1/8	IR35HD-105CVB-3769	45469
				BAL	8	12.7	1/2	8	12.7	1/2	105	4-1/8	IR35HD-105CVB-2831	45334
				8 SPLINES 2 FRONT FLUSHING HOLES										
NO.	HEDGEHOG, CONVEX	 		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA			
				No.	mm	In.	No.	mm	In.			mm	In.	
7			FB	7	12	15/32	6	12	15/32	95	3-3/4	IR35HD-95HHCVB-3773	45495	
8 SPLINES 2 FRONT FLUSHING HOLES														

CARBIDE PROFILE DESIGNS

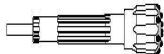
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 340A

NO.	FLAT FACE	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
8	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	340A-105FF-1599	45032
		HEM	8	12.7	1/2	8	11	7/16	108	4-1/4	340A-108FF-1045	45176
		HEM	8	12.7	1/2	8	11	7/16	110	4-5/16	340A-110FF-1600	45069
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115FF-914	45066
		HEM	8	16	5/8	6	14	9/16	115	4-1/2	340A-115FF-3761	45411
		HEM	8	14	9/16	8	12.7	1/2	121	4-3/4	340A-121FF-2198	45341
		HEM	8	16	5/8	8	12.7	1/2	127	5	340A-127FF-1601	45165
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	340A-130FF-1602	45195
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	340A-140FF-735	45033
		HEM	8	16	5/8	9	14	9/16	145	5-3/4	340A-145FF-2841	45307
NO.	CONCAVE	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
9	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	340A-105CC-1603	45034
		HEM	8	14	9/16	8	12.7	1/2	108	4-1/4	340A-108CC-2092	45191
		HEM	8	12.7	1/2	8	11	7/16	110	4-5/16	340A-110CC-1604	45035
		HEM / BAL	8	14	9/16	8	12.7	1/2	110	4-5/16	340A-110CC-3759	45516
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CC-917	45212
		HEM / BAL	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CC-2834	45425
		HEM / BAL	8	14	9/16	8	12.7	1/2	120	4-3/4	340A-120CC-3762	45508
		HEM	8	14	9/16	8	12.7	1/2	121	4-3/4	340A-121CC-1439	45192
		HEM	8	16	5/8	8	12.7	1/2	127	5	340A-127CC-1605	45213
		HEM / BAL	8	16	5/8	8	12.7	1/2	127	5	340A-127CC-2836	45424
		BAL	8	16	5/8	8	12.7	1/2	127	5	340A-127CCB-2109	45422
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	340A-130CC-1606	45193
		HEM / BAL	8	16	5/8	8	12.7	1/2	130	5-1/8	340A-130CC-2838	45437
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	340A-140CC-1607	45214
NO.	CONVEX	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
10	 8 SPLINES 2 FRONT FLUSHING HOLES * 3 FRONT FLUSHING HOLES	HEM	8	14	9/16	8	12.7	1/2	105	4-1/8	340A-105CV-3757	41276
		BAL	8	12.4	1/2	8	12.7	1/2	105	4-1/8	340A-105CVB-2282	45167
		BAL	8	12.7	1/2	8	12.7	1/2	108	4-1/4	340A-108CVB-3758	45072
		BAL	8	12.7	1/2	8	12.7	1/2	110	4-5/16	340A-110CVB-3760	41294
		BAL	8	14	9/16	8	12.7	1/2	110	4-5/16	340A-110CVB-2760	45443
		BAL	8	12.7	1/2	8	12.7	1/2	115	4-1/2	340A-115CVB-2084	45067
		BAL	7	14	9/16	7	14	9/16	115	4-1/2	340A-115CVB-2835	45431
		BAL	8	14	9/16	8	12.7	1/2	120	4-3/4	340A-120CVB-3682	45567
		BAL	9*	12.7	1/2	12	12.7	1/2	127	5	340A-127CVB-2756	45074
		HEM	8	14	9/16	9	14	9/16	130	5-1/8	340A-130CV-3778	45149
		BAL	9*	12.7	1/2	12	12.7	1/2	130	5-1/8	340A-130CVB-3779	45150
		HEM	8	16	5/8	9	14	9/16	140	5-1/2	340A-140CV-3763	45151
		BAL	9*	14	9/16	12	12.7	1/2	140	5-1/2	340A-140CVB-2839	45152
		BAL	8	16	5/8	9	14	9/16	145	5-3/4	340A-145CVB-2840	45328
NO.	HEDGEHOG, CONVEX	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
11	 8 SPLINES 2 FRONT FLUSHING HOLES	FB	8	13	33/64	8	12	15/32	115	4-1/2	340A-115HHCVB-3160	45499
		FB	9	12	15/32	10	12	15/32	127	5	340A-127HHCVB-3452	45531

CARBIDE PROFILE DESIGNS



Hemispherical



Hemispherical
MultiPoint



(Semi) Ballistic



(Semi) Ballistic
MultiPoint



CrownPoint



Conical



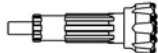
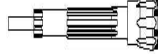
Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 350R

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
12	 	HEM	8	16	5/8	8	12.7	1/2	127	5	350R-127FF-857	45215
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	350R-130FF-1608	45166
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	350R-140FF-106	45086
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	350R-146FF-883	45216
		HEM	8	16	5/8	8	16	5/8	149	5-7/8	350R-149FF-2201	45184
		HEM	8	16	5/8	8	16	5/8	152	6	350R-152FF-2202	45344
8 SPLINES 2 FRONT FLUSHING HOLES												
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
13	 	HEM	8	16	5/8	8	12.7	1/2	127	5	350R-127CC-1609	45217
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	350R-130CC-1610	45218
		HEM / BAL	8	16	5/8	8	12.7	1/2	130	5-1/8	350R-130CC-2783	45467
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	350R-140CC-107	45219
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	350R-146CC-851	45220
		HEM	8	16	5/8	9	14	9/16	149	5-7/8	350R-149CC-2203	45345
		HEM	8	16	5/8	9	14	9/16	150	5-7/8	350R-150CC-3764	45245
		BAL	8	16	5/8	9	16	5/8	150	5-7/8	350R-150CCB-2750	45442
		HEM	8	16	5/8	9	16	5/8	152	6	350R-152CC-737	45346
		HEM	8	16	5/8	9	16	5/8	165	6-1/2	350R-165CC-2188	45529
		HEM	10	16	5/8	12	16	5/8	180	7	350R-180CC-2404	45410
8 SPLINES 2 FRONT FLUSHING HOLES												
NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
14	 	FB	8	16	5/8	8	16	5/8	140	5-1/2	350R-140CVB-2843	45403
		FB	8	16	5/8	9	14	9/16	146	5-3/4	350R-146CVB-2844	45394
8 SPLINES 2 FRONT FLUSHING HOLES												

CARBIDE PROFILE DESIGNS



Hemispherical



Hemispherical
MultiPoint



(Semi) Ballistic



(Semi) Ballistic
MultiPoint



CrownPoint



Conical



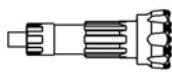
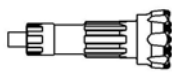
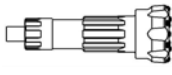
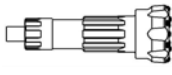
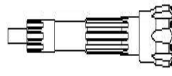
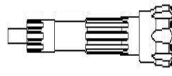
Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

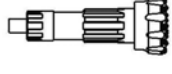
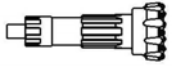
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 360, SF6 (8 carbide inserts on outside gauge row)

NO.	FLAT FACE  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
15	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	16	5/8	8	16	5/8	152	6	360-152FF-1173	41297
		HEM	8	16	5/8	8	16	5/8	156	6-1/8	360-156FF-794	41206
		HEM	8	16	5/8	8	16	5/8	159	6-1/4	360-159FF-117	41208
		HEM	8	16	5/8	10	16	5/8	165	6-1/2	360-165FF-1098	41209
NO.	CONCAVE  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
16	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	16	5/8	9	16	5/8	152	6	360-152CC-2318	41290
		HEM	8	16	5/8	9	16	5/8	156	6-1/8	360-156CC-903	41210
		HEM	8	16	5/8	9	16	5/8	159	6-1/4	360-159CC-118	41286
		HEM	8	16	5/8	9	16	5/8	165	6-1/2	360-165CC-238	41291
		HEM	8	19	3/4	9	16	5/8	172	6-3/4	360-172CC-1356	45436
NO.	CONVEX  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
17	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	19	3/4	10	16	5/8	165	6-1/2	360-165CV-190	45471
		HEM	8	19	3/4	10	16	5/8	172	6-3/4	360-172CV-200	45472

SHANK: 360, SF6 (10 carbide inserts on outside gauge row)

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
18	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	10	16	5/8	10	16	5/8	165	6-1/2	360-165FF-219	41296
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	360-172FF-1611	41213
		HEM	10	16	5/8	10	16	5/8	180	7	360-180FF-1798	45277
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	360-190FF-2205	45348
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	360-200FF-2206	45350
		HEM	10	19	3/4	14	16	5/8	203	8	360-203FF-843	41214
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
19	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	10	16	5/8	10	16	5/8	165	6-1/2	360-165CC-1612	41257
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	360-172CC-1397	41258
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	360-190CC-2102	45349
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	360-200CC-226	45351
		HEM	10	19	3/4	14	16	5/8	203	8	360-203CC-225	41259
		HEM	12	19	3/4	23	16	5/8	254	10	360-254CC-3314	45440

CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

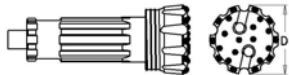
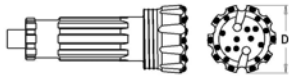
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

INGERSOLL-RAND



SHANK: 380

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
20		HEM	10	19	3/4	14	16	5/8	203	8	380-203FF-1067	45221
		HEM	10	19	3/4	14	16	5/8	207	8-1/8	380-207FF-2211	45362
		HEM	10	19	3/4	14	16	5/8	216	8-1/2	380-216FF-1053	45222
		HEM	10	19	3/4	16	16	5/8	225	8-7/8	380-225FF-2213	45364
		HEM	10	19	3/4	16	16	5/8	229	9	380-229FF-2215	45366
		HEM	12	19	3/4	23	16	5/8	251	9-7/8	380-251FF-2217	45368
		HEM	12	19	3/4	27	16	5/8	254	10	380-254FF-1613	45223
		HEM	12	19	3/4	37	16	5/8	305	12	380-305FF-3649	45618
10 SPLINES 2 FRONT FLUSHING HOLES												
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
21		HEM	10	19	3/4	14	16	5/8	190	7-1/2	380-190CC-2623	45432
		HEM	10	19	3/4	14	16	5/8	194	7-5/8	380-194CC-2600	45464
		HEM	10	19	3/4	14	16	5/8	203	8	380-203CC-232	45224
		HEM	10	19	3/4	14	16	5/8	207	8-1/8	380-207CC-3028	45363
		HEM	10	19	3/4	14	16	5/8	216	8-1/2	380-216CC-1147	45225
		HEM	10	19	3/4	16	16	5/8	225	8-7/8	380-225CC-2228	45365
		HEM	10	19	3/4	16	16	5/8	229	9	380-229CC-2230	45367
		HEM	12	19	3/4	23	16	5/8	251	9-7/8	380-251CC-2051	45369
		HEM	12	19	3/4	23	16	5/8	254	10	380-254CC-233	45226
		HEM	12	19	3/4	31	16	5/8	305	12	380-305CC-3650	45617
10 SPLINES 2 FRONT FLUSHING HOLES												

CARBIDE PROFILE DESIGNS

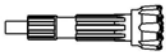
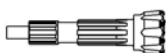
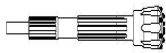
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.

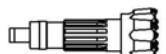
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND - QL SERIES



SHANK: QL4/QL40

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
1	 10 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	QL4-105FF-1614	45227
		HEM	8	12.7	1/2	8	11	7/16	110	4-5/16	QL4-110FF-1615	45055
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	QL4-115FF-1050	45136
		HEM	8	16	5/8	8	12.7	1/2	127	5	QL4-127FF-1616	45229
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	QL4-140FF-1617	45058
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
2	 10 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	QL4-105CC-1618	45230
		HEM	8	12.7	1/2	8	11	7/16	110	4-5/16	QL4-110CC-1619	45231
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	QL4-115CC-1620	45232
		HEM	8	16	5/8	8	12.7	1/2	127	5	QL4-127CC-1621	45233
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	QL4-140CC-1622	45234
NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
3	 10 SPLINES 2 FRONT FLUSHING HOLES * 3 FRONT FLUSHING HOLES	HEM	8	14	9/16	8	12.7	1/2	105	4-1/8	QL4-105CV-3774	45120
		BAL	8	12.7	1/2	8	12.7	1/2	110	4-5/16	QL4-110CVB-3775	45051
		BAL	8	12.7	1/2	11	12.7	1/2	115	4-1/2	QL4-115CVB-2496	45054
		BAL	9 *	12.7	1/2	11	12.7	1/2	127	5	QL4-127CVB-2842	45057

SHANK: QL5/QL50

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D			
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
4	 12 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	16	5/8	8	12.7	1/2	127	5	QL5-127FF-2065	45310
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	QL5-130FF-2066	45312
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	QL5-140FF-2067	45314
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	QL5-146FF-2068	45316
		HEM	8	16	5/8	8	16	5/8	152	6	QL5-152FF-2220	45378
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D			
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
5	 12 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	16	5/8	8	12.7	1/2	127	5	QL5-127CC-2069	45311
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	QL5-130CC-2070	45313
		HEM / BAL	8	16	5/8	6	16	5/8	130	5-1/8	QL5-130CC-3780	45487
		BAL	8	16	5/8	6	16	5/8	130	5-1/8	QL5-130CCB-3776	45505
		HEM / BAL	8	16	5/8	6	16	5/8	135	5-5/16	QL5-135CC-2937	45489
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	QL5-140CC-2071	45315
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	QL5-146CC-2072	45317
		HEM / BAL	8	16	5/8	8	16	5/8	146	5-3/4	QL5-146CC-3777	45490
		HEM	8	16	5/8	9	16	5/8	152	6	QL5-152CC-2236	45379
		HEM	8	16	5/8	9	16	5/8	165	6-1/2	QL5-165CC-2786	45530

CARBIDE PROFILE DESIGNS

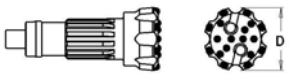
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

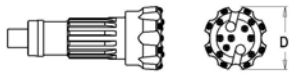
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND - QL SERIES

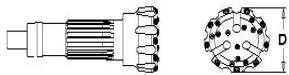


SHANK: QL6/QL60 (8 carbide inserts on outside gauge row)

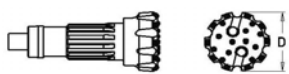
NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER				
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
6		HEM	8	16	5/8	8	16	5/8	152	6	QL6-152FF-1623	45235
		HEM	8	16	5/8	8	16	5/8	155	6.1	QL6-155FF-2118	45380
		HEM	8	16	5/8	8	16	5/8	156	6-1/8	QL6-156FF-1938	45382
		HEM	8	16	5/8	8	16	5/8	159	6-1/4	QL6-159FF-2219	45384
		HEM	8	16	5/8	10	16	5/8	165	6-1/2	QL6-165FF-1180	45236
		HEM	8	19	3/4	10	16	5/8	165	6-1/2	QL6-165FF-1049	45473
		HEM	8	19	3/4	10	16	5/8	172	6-3/4	QL6-172FF-1350	45237
		HEM	8	19	3/4	8	19	3/4	172	6-3/4	QL6-172FF-2815	45474
12 SPLINES 2 FRONT FLUSHING HOLES												

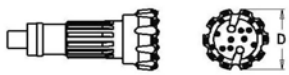
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
7		HEM	8	16	5/8	9	16	5/8	152	6	QL6-152CC-2233	45238
		HEM	8	16	5/8	9	16	5/8	155	6.1	QL6-155CC-2117	45381
		HEM	8	16	5/8	9	16	5/8	156	6-1/8	QL6-156CC-1920	45383
		HEM	8	16	5/8	9	16	5/8	159	6-1/4	QL6-159CC-1955	45385
		HEM	8	16	5/8	9	16	5/8	165	6-1/2	QL6-165CC-1102	45239
		HEM	8	19	3/4	9	16	5/8	165	6-1/2	QL6-165CC-2391	45475
		HEM	8	16	5/8	9	16	5/8	172	6-3/4	QL6-172CC-1278	45240
		12 SPLINES 2 FRONT FLUSHING HOLES										

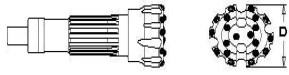
SHANK: QL6/QL60 (9 carbide inserts on outside gauge row)

NO.	CONCAVE	CARBIDE DIMENSIONS							DIAMETER			
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
8		HEM	9	19	3/4	9	16	5/8	152	6	QL6-152CC-2578	45445
		HEM	9	19	3/4	9	16	5/8	155	6.1	QL6-155CC-2580	45446
		HEM	9	19	3/4	9	16	5/8	156	6-1/8	QL6-156CC-2694	45447
		HEM	9	19	3/4	9	16	5/8	159	6-1/4	QL6-159CC-2695	45448
		HEM	9	19	3/4	10	16	5/8	165	6-1/2	QL6-165CC-2670	45449
		HEM	9	19	3/4	10	16	5/8	172	6-3/4	QL6-172CC-2599	45450
12 SPLINES 3 FRONT FLUSHING HOLES												

SHANK: QL6/QL60 (10 carbide inserts on outside gauge row)

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
9		HEM	10	16	5/8	10	16	5/8	165	6-1/2	QL6-165FF-1624	45241
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	QL6-172FF-1625	45242
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	QL6-190FF-2221	45386
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	QL6-200FF-2222	45388
		HEM	10	19	3/4	14	16	5/8	203	8	QL6-203FF-2356	45421
		HEM	10	19	3/4	14	16	5/8	219	8-5/8	QL6-219FF-2946	45491
		HEM	12	19	3/4	23	16	5/8	244	9-5/8	QL6-244FF-3148	45521
		12 SPLINES 2 FRONT FLUSHING HOLES										

NO.	CONCAVE	CARBIDE DIMENSIONS							DIAMETER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
10		HEM	10	16	5/8	10	16	5/8	165	6-1/2	QL6-165CC-1626	45243
		HEM	10	19	3/4	12	16	5/8	165	6-1/2	QL6-165CC-2367	45476
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	QL6-172CC-1410	45244
		HEM	10	19	3/4	10	16	5/8	172	6-3/4	QL6-172CC-2247	45477
		HEM	10	16	5/8	12	16	5/8	180	7	QL6-180CC-2437	45470
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	QL6-190CC-2223	45387
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	QL6-200CC-2224	45389
		12 SPLINES 2 FRONT FLUSHING HOLES										

NO.	CONCAVE - CONVEX	CARBIDE DIMENSIONS						DIAMETER				
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
11		HEM	10	16	5/8	10	16	5/8	152	6	QL6-152CCV-2425	45451
		HEM	10	16	5/8	10	16	5/8	155	6.1	QL6-155CCV-2250	45452
		HEM	10	16	5/8	10	16	5/8	156	6-1/8	QL6-156CCV-2692	45453
		HEM	10	16	5/8	10	16	5/8	159	6-1/4	QL6-159CCV-2693	45454
		HEM	10	16	5/8	10	16	5/8	165	6-1/2	QL6-165CCV-2449	45455
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	QL6-172CCV-2450	45456
		HEM	10	19	3/4	9	16	5/8	172	6-3/4	QL6-172CCV-1959	45478
		HEM	10	19	3/4	8	19	3/4	172	6-3/4	QL6-172CCV-2589	45479
12 SPLINES 2 FRONT FLUSHING HOLES												

CARBIDE PROFILE DESIGNS

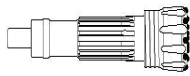
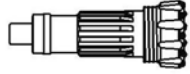
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND - QL SERIES



SHANK: QL8/QL80

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
12		HEM	10	19	3/4	14	16	5/8	203	8	QL8-203FF-2073	45318
		HEM	10	19	3/4	14	16	5/8	216	8-1/2	QL8-216FF-2074	45320
		HEM	12	19	3/4	27	16	5/8	254	10	QL8-254FF-2075	45322
		HEM	12	19	3/4	37	16	5/8	305	12	QL8-305FF-3233	45620
16 SPLINES 2 FRONT FLUSHING HOLES												
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
13		HEM	10	19	3/4	14	16	5/8	203	8	QL8-203CC-2076	45319
		HEM	10	19	3/4	14	16	5/8	207	8-1/8	QL8-207CC-2227	45390
		HEM	10	19	3/4	14	16	5/8	216	8-1/2	QL8-216CC-2077	45321
		HEM	10	19	3/4	16	16	5/8	225	8-7/8	QL8-225CC-2229	45391
		HEM	10	19	3/4	16	16	5/8	229	9	QL8-229CC-2231	45392
		HEM	12	19	3/4	23	16	5/8	254	10	QL8-254CC-2078	45323
		HEM	12	19	3/4	31	16	5/8	305	12	QL8-305CC-3648	45619
		16 SPLINES 2 FRONT FLUSHING HOLES										

CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

SANDVIK - MISSION



SHANK: 3015

NO.	CONVEX	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
1		HEM	8	12	15/32	6	12	15/32	92	3-5/8	3015-92CV-2593	45282
		FB	8	12	15/32	6	12	15/32	92	3-5/8	3015-92CVB-2547	45281
		FB	9 *	12	15/32	6	12	15/32	93	3-11/16	3015-93CVB-2824	45301
		HEM	8	12	15/32	6	12	15/32	95	3-3/4	3015-95CV-2368	45284
		FB	8	12	15/32	6	12	15/32	95	3-3/4	3015-95CVB-2594	45283
		FB	9 *	12	15/32	6	12	15/32	95	3-3/4	3015-95CVB-2826	45276

8 SPLINES 2 FRONT FLUSHING HOLES
* 3 FRONT FLUSHING HOLES

SHANK: 3415, SD4

NO.	FLAT FACE	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
2		HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	3415-105FF-1627	41221
		HEM	8	12.7	1/2	8	11	7/16	110	4-5/16	3415-110FF-1628	41222
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	3415-115FF-1176	41220
		HEM	8	14	9/16	8	12.7	1/2	121	4-3/4	3415-121FF-2199	41280
		HEM	8	14	9/16	8	12.7	1/2	124	4-7/8	3415-124FF-2200	45342
		HEM	8	16	5/8	8	12.7	1/2	127	5	3415-127FF-1629	41200

8 SPLINES 2 FRONT FLUSHING HOLES

NO.	CONCAVE	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
3		HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	3415-105CC-1630	41201
		HEM	8	12.7	1/2	8	11	7/16	110	4-5/16	3415-110CC-1631	41202
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	3415-115CC-1080	41204
		HEM	8	14	9/16	8	12.7	1/2	121	4-3/4	3415-121CC-2178	41281
		HEM	8	14	9/16	8	12.7	1/2	124	4-7/8	3415-124CC-742	41343
		HEM	8	16	5/8	8	12.7	1/2	127	5	3415-127CC-1632	41205

8 SPLINES 2 FRONT FLUSHING HOLES

SHANK: 4315, SD5

NO.	FLAT FACE	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
4		HEM	8	16	5/8	8	12.7	1/2	127	5	4315-127FF-831	45004
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	4315-130FF-1633	45123
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	4315-140FF-108	45124
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	4315-146FF-1634	45005
		HEM	8	16	5/8	8	16	5/8	152	6	4315-152FF-2204	45347

8 SPLINES 2 FRONT FLUSHING HOLES

NO.	CONCAVE	CARBIDE DIMENSIONS							DIAMETER		PART NUMBER	
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
5		HEM	8	16	5/8	8	12.7	1/2	127	5	4315-127CC-1635	45006
		HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	4315-130CC-1636	45007
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	4315-140CC-109	45008
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	4315-146CC-853	45009
		HEM	8	16	5/8	9	16	5/8	152	6	4315-152CC-736	41255

8 SPLINES 2 FRONT FLUSHING HOLES

CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

SANDVIK - MISSION



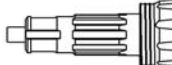
SHANK: 5315, SD6 (8 carbide inserts on outside gauge row)

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
6	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	16	5/8	8	16	5/8	152	6	5315-152FF-1175	45003
		HEM	8	16	5/8	8	16	5/8	156	6-1/8	5315-156FF-673	45010
		HEM	8	16	5/8	8	16	5/8	159	6-1/4	5315-159FF-112	45011
		HEM	8	16	5/8	10	16	5/8	165	6-1/2	5315-165FF-1100	45037
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
7	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	8	16	5/8	9	16	5/8	152	6	5315-152CC-111	45012
		HEM	8	16	5/8	9	16	5/8	156	6-1/8	5315-156CC-901	45013
		HEM	8	16	5/8	9	16	5/8	159	6-1/4	5315-159CC-114	45014
		HEM	8	16	5/8	9	16	5/8	165	6-1/2	5315-165CC-236	45038

SHANK: 5315, SD6 (10 carbide inserts on outside gauge row)

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
8	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	10	16	5/8	10	16	5/8	165	6-1/2	5315-165FF-217	45015
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	5315-172FF-1637	45016
		HEM	10	16	5/8	10	16	5/8	178	7	5315-178FF-2207	45042
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	5315-190FF-2208	45024
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	5315-200FF-2209	45026
		HEM	10	19	3/4	14	16	5/8	203	8	5315-203FF-830	45017
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
9	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	10	16	5/8	10	16	5/8	165	6-1/2	5315-165CC-1638	45018
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	5315-172CC-1422	45019
		HEM	10	16	5/8	10	16	5/8	178	7	5315-178CC-1853	45043
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	5315-190CC-1845	45025
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	5315-200CC-2210	45027
		HEM	10	19	3/4	14	16	5/8	203	8	5315-203CC-1364	45020

SHANK: 6315, SD8

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
10	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	10	19	3/4	14	16	5/8	203	8	6315-203FF-743	45022
		HEM	10	19	3/4	14	16	5/8	207	8-1/8	6315-207FF-2212	45370
		HEM	10	19	3/4	14	16	5/8	216	8-1/2	6315-216FF-829	45023
		HEM	10	19	3/4	16	16	5/8	225	8-7/8	6315-225FF-2214	45372
		HEM	10	19	3/4	16	16	5/8	229	9	6315-229FF-2216	45374
		HEM	12	19	3/4	23	16	5/8	251	9-7/8	6315-251FF-2218	45376
		HEM	12	19	3/4	27	16	5/8	254	10	6315-254FF-955	45028
NO.	CONCAVE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		PART NUMBER	
		DESIGN	No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
11	 8 SPLINES 2 FRONT FLUSHING HOLES	HEM	10	19	3/4	14	16	5/8	203	8	6315-203CC-1068	45029
		HEM	10	19	3/4	14	16	5/8	207	8-1/8	6315-207CC-2225	45371
		HEM	10	19	3/4	14	16	5/8	216	8-1/2	6315-216CC-1000	45030
		HEM	10	19	3/4	16	16	5/8	225	8-7/8	6315-225CC-2226	45373
		HEM	10	19	3/4	16	16	5/8	229	9	6315-229CC-1095	45375
		HEM	12	19	3/4	23	16	5/8	251	9-7/8	6315-251CC-2050	45377
		HEM	12	19	3/4	23	16	5/8	254	10	6315-254CC-1069	45031

CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) HAMMERS



ROK 2LT (LOW PRESSURE)

ROK 2LT RD 50-6 BOX LOW PRESSURE 	BIT SHANK STYLE	PART NUMBER	
	BULROC 2 (6 SPLINES)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 2LT	42021
	70 mm - 76 mm 2.8" - 3"		
	OPERATING AIR PRESSURE		
	6 - 10 (BAR) 87 - 145 (PSI)		

ROK 3LT (LOW PRESSURE)

ROK 3LT 2-3/8" API REG PIN LOW PRESSURE 	BIT SHANK STYLE	PART NUMBER	
	BULROC 33 (7 SPLINES)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 3LT	42026
	90 mm - 95 mm 3.5" - 3.7"		
	OPERATING AIR PRESSURE		
	6 - 10 (BAR) 87 - 145 (PSI)		

ROK 3LT-IR35 2-3/8" API REG PIN LOW PRESSURE 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 3LT-IR35	42037
	90 mm - 95 mm 3.5" - 3.7"		
	OPERATING AIR PRESSURE		
	6 - 10 (BAR) 87 - 145 (PSI)		

ROK 250 *Integrated SonicFlow Technology*

ROK 250 RD-50 BOX 	BIT SHANK STYLE	PART NUMBER	
	ROCKMORE RM250	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 250-004	50010
	76 mm - 89 mm 3" - 3.5"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 300 *Integrated SonicFlow Technology*

ROK 300 2-3/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 300-001	50020
	88 mm - 105 mm 3.5" - 4.1"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 300 2-3/8" API REG BOX 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 300-002	50021
	88 mm - 105 mm 3.5" - 4.1"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 300 (continued)		Integrated SonicFlow Technology	
ROK 300 CUBEX #21 PIN WITH SPLINES 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 MISSION XL 3	USA	AUSTRIA
		ROK 300-003	50022
	RECOMMENDED BIT DIAMETER		
	88 mm - 105 mm		
	3.5" - 4.1"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR)		
150 - 350 (PSI)			

ROK 350		Integrated SonicFlow Technology	
ROK 350 2-3/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5	USA ROK 350-001	AUSTRIA 50030
	MISSION XL 3		
	RECOMMENDED BIT DIAMETER		
	95 mm - 105 mm		
	3.7" - 4.1"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 350 2-3/8" API REG PIN Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 HD	USA ROK 350-002	AUSTRIA 50031
	RECOMMENDED BIT DIAMETER		
	95 mm - 105 mm		
	3.7" - 4.1"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 350 2-3/8" API REG BOX 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5	USA ROK 350-003	AUSTRIA 50032
	MISSION XL 3		
	RECOMMENDED BIT DIAMETER		
	95 mm - 105 mm		
	3.7" - 4.1"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 350 2-3/8" API REG BOX Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 HD	USA ROK 350-004	AUSTRIA 50033
	RECOMMENDED BIT DIAMETER		
	95 mm - 105 mm		
	3.7" - 4.1"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 350 CUBEX #21 PIN WITH SPLINES 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5	USA ROK 350-005	AUSTRIA 50034
	MISSION XL 3		
	RECOMMENDED BIT DIAMETER		
	95 mm - 105 mm		
	3.7" - 4.1"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

DOWN-THE-HOLE (DTH) HAMMERS



ROK 350 (continued)		Integrated SonicFlow Technology	
ROK 350 CUBEX #21 PIN WITH SPLINES Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 HD	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 350-006	50035
	95 mm - 105 mm 3.7" - 4.1"		
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	

ROK 400		Integrated SonicFlow Technology	
ROK 400 2-3/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-001	50040
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	
ROK 400 2-3/8" API REG BOX 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-005	50043
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	
ROK 400 2-3/8" API IF PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-004	50042
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	
ROK 400 2-3/8" API IF PIN Heavy Duty Wear Sleeve 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-006	50044
	127 mm - 140 mm 5" - 5.5"		
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	
ROK 400 2-7/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-002	50041
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	

DOWN-THE-HOLE (DTH) HAMMERS



ROK 400 (continued)		Integrated SonicFlow Technology	
ROK 400 2-7/8" API REG BOX	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-007	50045
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 400 CUBEX #24 PIN WITH SPLINES	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A ATLAS COPCO COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-008	50046
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 400 2-3/8" API REG PIN	BIT SHANK STYLE	PART NUMBER	
	ATLAS COPCO TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-021	50140
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 400 2-3/8" API REG BOX	BIT SHANK STYLE	PART NUMBER	
	ATLAS COPCO TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-025	50143
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 400 2-3/8" API IF PIN	BIT SHANK STYLE	PART NUMBER	
	ATLAS COPCO TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-024	50142
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 400 2-7/8" API REG PIN	BIT SHANK STYLE	PART NUMBER	
	ATLAS COPCO TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 400-022	50141
	110 mm - 125 mm 4.3" - 4.9"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 400 (continued) Integrated SonicFlow Technology

ROK 400 2-7/8" API REG BOX 	BIT SHANK STYLE		PART NUMBER	
	ATLAS COPCO TD40		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER		ROK 400-027	50144
	110 mm - 125 mm			
	4.3" - 4.9"			
	OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)				
150 - 350 (PSI)				

ROK 400 CUBEX #24 PIN WITH SPLINES 	BIT SHANK STYLE		PART NUMBER	
	ATLAS COPCO TD40		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER		ROK 400-028	50145
	110 mm - 125 mm			
	4.3" - 4.9"			
	OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)				
150 - 350 (PSI)				

ROK 500A Integrated SonicFlow Technology

ROK 500A 2-3/8" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500A-002	50154
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 500A 2-7/8" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500A-006	50251
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 500A 3-1/2" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500A-001	50155
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 500A 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500A-003	50153
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 500A 3-1/2" API REG PIN Lower Air Consumption Slim Line Diameter 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500A-004	50156
	133 mm - 146 mm 5.25" - 5.75"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			

DOWN-THE-HOLE (DTH) HAMMERS



ROK 500A (continued)		Integrated SonicFlow Technology	
ROK 500A CUBEX #24 PIN WITH SPLINES Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500A-005	50250
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 550T (TUBELESS)		Integrated SonicFlow Technology	
ROK 550T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Lower Air Consumption  X TUBELESS X	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 550T-001	50253
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 500DH (DEEP HOLE SERIES)		Integrated SonicFlow Technology	
ROK 500DH 2-3/8" API REG PIN with Bit Retention System 	BIT SHANK STYLE	PART NUMBER	
	ROCKMORE DH500	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500DH-002	50151
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 500DH 3-1/2" API REG PIN with Bit Retention System 	BIT SHANK STYLE	PART NUMBER	
	ROCKMORE DH500	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500DH-001	50150
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 500DH 3-1/2" API REG PIN with Bit Retention System Top Sub With Back Reaming Buttons 	BIT SHANK STYLE	PART NUMBER	
	ROCKMORE DH500	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 500DH-003	50152
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 50-350R		Integrated SonicFlow Technology	
ROK 50-350R 2-3/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 50-350R-002	50158
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 50-350R (continued)		Integrated SonicFlow Technology	
ROK 50-350R 2-7/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 50-350R-004	50254
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 50-350R 2-7/8" API REG PIN Top Sub With Back Reaming Buttons 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 50-350R-005	50255
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 50-350R 3-1/2" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 50-350R-001	50157
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 50-350R 3-1/2" API REG PIN Top Sub With Back Reaming Buttons 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 50-350R-003	50159
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 50-350R 3-1/2" API REG PIN Slim Line Diameter 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 50-350R-006	50057
	133 mm - 146 mm 5.25" - 5.75"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 55T-350RT (TUBELESS)		Integrated SonicFlow Technology	
ROK 55T-350RT 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Lower Air Consumption  X TUBELESS X	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 55T-350RT-001	50252
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 600A		Integrated SonicFlow Technology	
ROK 600A 2-7/8" API REG PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 600A-002	50160
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600A 3-1/2" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 600A-001	50066
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600A 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 600A-004	50163
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 600T (TUBELESS)		Integrated SonicFlow Technology	
ROK 600T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube)  	BIT SHANK STYLE	PART NUMBER	
	QL6T (INGERSOLL-RAND QL6/QL60 WITHOUT BLOW TUBE)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 600T-001	50068
	155 mm - 178 mm		
	6.1" - 7"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

ROK 60-360		Integrated SonicFlow Technology	
ROK 60-360 3-1/2" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 360	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 60-360-001	50065
	155 mm - 178 mm		
	6.1" - 7"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

ROK 60T-360T (TUBELESS)		Integrated SonicFlow Technology	
ROK 60T-360T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Lower Air Consumption  	BIT SHANK STYLE	PART NUMBER	
	360T (INGERSOLL-RAND 360 WITHOUT BLOW TUBE)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 60T-360T-001	50164
	155 mm - 178 mm		
	6.1" - 7"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

DOWN-THE-HOLE (DTH) HAMMERS



ROK 650A		Integrated SonicFlow Technology	
ROK 650A 2-7/8" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Diameter Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650A-008	50079
	165 mm - 178 mm		
	6.5" - 7"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 650A 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Diameter Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650A-001	50075
	165 mm - 178 mm		
	6.5" - 7"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 650A 3-1/2" API BECO PIN Heavy Duty Diameter Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650A-009	50171
	165 mm - 178 mm		
	6.5" - 7"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 650A 3-1/2" API IF PIN Top Sub With Back Reaming Buttons Heavy Duty Diameter Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650A-005	50076
	165 mm - 178 mm		
	6.5" - 7"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			
ROK 650A 4-1/2" API REG PIN Heavy Duty Diameter Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650A-006	50077
	165 mm - 178 mm		
	6.5" - 7"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

ROK 650A (continued)		Integrated SonicFlow Technology	
ROK 650A CUBEX #28 PIN WITH SPLINES Top Sub With Back Reaming Buttons Heavy Duty Diameter Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650A-007	50078
	165 mm - 178 mm 6.5" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 650M *Integrated SonicFlow Technology*

ROK 650M 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Diameter Lower Air Consumption In-Hole Bit/Driver Sub Disassembly 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650M-001	50173
	165 mm - 178 mm 6.5" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 650M 3-1/2" API IF PIN Top Sub With Back Reaming Buttons Heavy Duty Diameter Lower Air Consumption In-Hole Bit/Driver Sub Disassembly 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 650M-002	50174
	165 mm - 178 mm 6.5" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 650T *Integrated SonicFlow Technology*

ROK 650T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Top Sub With Back Reaming Buttons Heavy Duty Diameter  X TUBELESS X	BIT SHANK STYLE	PART NUMBER		
	QL6T (INGERSOLL-RAND QL6/QL60 WITHOUT BLOW TUBE)	USA	AUSTRIA	
	RECOMMENDED BIT DIAMETER	ROK 650T-001	50172	
		165 mm - 178 mm		
		6.5" - 7"		
	OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)				
150 - 350 (PSI)				

ROK 65-360 *Integrated SonicFlow Technology*

ROK 65-360 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Diameter 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 360	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 65-360-001	50175
	165 mm - 178 mm		
	6.5" - 7"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

ROK 65T-360T *Integrated SonicFlow Technology*

ROK 65T-360T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Top Sub With Back Reaming Buttons Heavy Duty Diameter  X TUBELESS X	BIT SHANK STYLE	PART NUMBER	
	360T (INGERSOLL-RAND 360 WITHOUT BLOW TUBE)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 65T-360T-001	50176
	6.5" - 7"		
	OPERATING AIR PRESSURE		
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			

DOWN-THE-HOLE (DTH) HAMMERS



ROK 800		Integrated SonicFlow Technology	
ROK 800 4-1/2" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL8/QL80	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 800-001	50080
	200 mm - 254 mm 7.9" - 10"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 800A		Integrated SonicFlow Technology	
ROK 800A 4-1/2" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL8/QL80	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 800A-001	50081
	200 mm - 254 mm 7.9" - 10"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 875		Integrated SonicFlow Technology	
ROK 875 4-1/2" API REG PIN Top Sub With Back Reaming Buttons 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL8/QL80	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 875-001	50090
	215 mm - 254 mm 8.5" - 10"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 875A		Integrated SonicFlow Technology	
ROK 875A 4-1/2" API REG PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL8/QL80	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 875A-001	50094
	215 mm - 254 mm 8.5" - 10"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 87-380		Integrated SonicFlow Technology	
ROK 87-380 4-1/2" API REG PIN Top Sub With Back Reaming Buttons 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 380	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK 87-380-001	50085
	215 mm - 254 mm 8.5" - 10"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



DTH HAMMER ROCK DRILL OIL

	TYPE		PART NUMBER	
	Hammer Oil		USA	AUSTRIA
	DESCRIPTION		HAMMER GUARD 5GA	46460
	40 Lbs (5 Gal.)			



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





ROCKMORE INTERNATIONAL



New Multi-Dome Design Carbide



New Multi-Dome Carbide in ROCKMORE DTH Bits Feature:

- Greater insert life due to unique dual diameter
- Faster penetration rates from increased dome height
- Deeper penetration rates imparted from aggressive profile design
- Better bit flushing due to optimized rock chip geometry





ROCKMORE INTERNATIONAL



Mining • Construction



Quarrying • Water-well



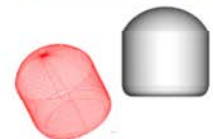
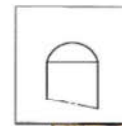
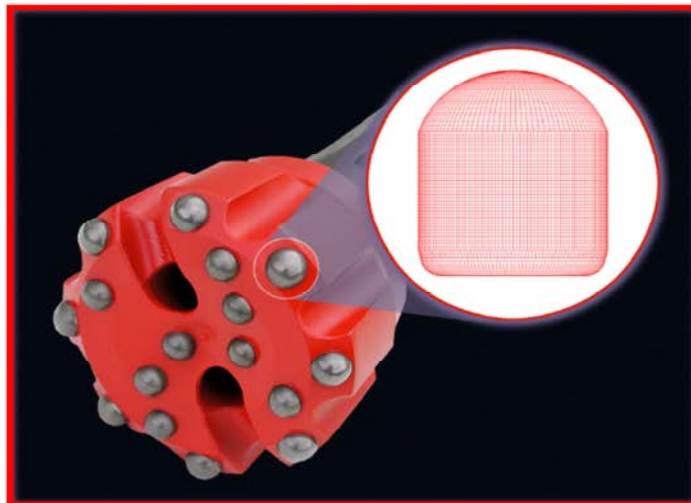
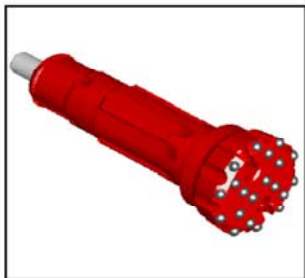
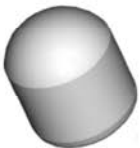
MARATHON

Carbide

Grade



ROCKMORE International introduces the new **MARATHON** grade carbide developed for the toughest drilling conditions. **MARATHON** is designed to achieve optimum hardness and toughness properties to promote longer button insert life for the most demanding hard and abrasive rock conditions.



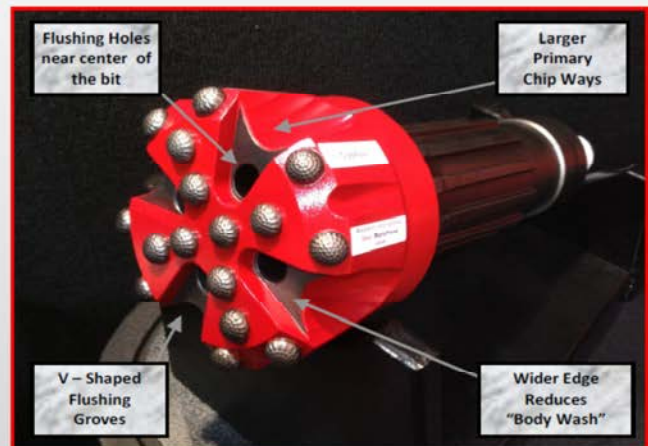
... Run Faster, Longer & Harder with **MARATHON** Carbide ...



NEW CROSSFLOW BIT DESIGN

Designed to reduce operating costs in drilling blast hole patterns. The **CrossFlow** bit increases overall drilling productivity by incorporating enhancements in the bit face design and improvements in the configuration of flushing geometry.

- ❖ OPTIMAL FOR HARD AND ABRASIVE ROCK
- ❖ OFFERED IN STANDARD, RETRAC AND DTH BITS
- ❖ FLUSHING HOLES PLACED NEAR BIT CENTER TO IMPROVE FLUSHING
- ❖ FLUSHING HOLES LOCATED ONLY WITHIN THE FLUSHING GROOVES



- ❖ LARGER FLUSHING GROOVES TO EFFECTIVELY MOVE THE ROCK CUTTINGS AWAY FROM THE BIT FACE
- ❖ V SHAPED FLUSH GROOVES REDUCE "BODY WASH"
- ❖ PROLONGED BIT LIFE AND INCREASED DRILLING PENETRATION RATES
- ❖ INCREASED DRILLING EFFICIENCY AND REDUCED OPERATING COSTS

AVAILABLE WITH THE FOLLOWING CARBIDE PROFILES



SEMI BALLISTIC



CROWN POINT



HEMISPHERICAL



MULTIPOINT

ROK HAMMER PARTS BREAK-DOWN



REFERENCE #
Refer to the ROK DTH Hammer Spec Sheet for the corresponding part numbers.

PART NAME

OPEN FIELD
For your use - to keep track of inventory or part number.



10. WEAR SLEEVE

12. O-RING

13. BIT RETAINING RING

14. DRIVER SUB

A. BLOW TUBE

B. DTH BIT

1. TOP SUB

2. O-RING

3. CHECK VALVE

4. SPRING

5. SPRING REST

8. O-RING

6. CHOKE

9. AIR GUIDE

7. PIN

11. PISTON



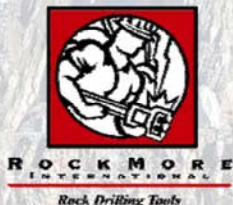
BENEFITS:

- 100% vegetable oil based
- Environmentally safe
- Excellent thermal stability & oxidation resistance
- Superior protection against rust & corrosion
- Water-resistant lubricant will not wash off
- Lubricant extends equipment life and saves replacement costs

USA
10065 SW Commerce Circle
Wilsonville, OR 97070 USA
Ph: +1 503-682-1001
Email: info@rockmore-intl.com

www.rockmore-intl.com

AUSTRIA
Collini - Strasse 2
A-8750 Judenburg, Austria
Ph: +43 3572-86300
Email: austria@rockmore-intl.at



NEW

ROK 250

**HIGH
PRESSURE**

2" Class DTH Hammer



- ◆ Designed to Operate at Higher Air Pressure up to 350 PSI [24 Bar]
- ◆ 3" to 3.5" [76 - 89mm] Diameter Holes
- ◆ Patented Design and Technology
- ◆ Exclusive Patented SonicFlow Air Path Design
- ◆ Maximum Energy to Piston
- ◆ Superior Penetration Rates



mining
quarrying
construction
geothermal
exploration
water-well

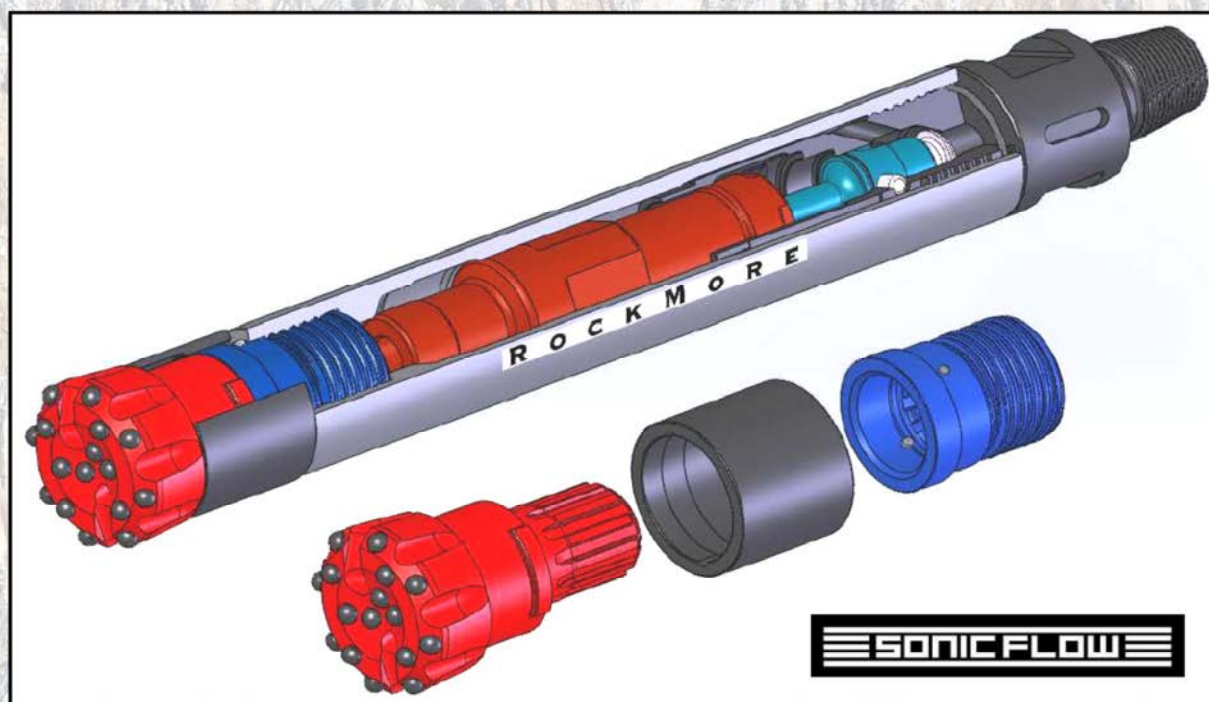


www.rockmore-intl.com



Deep Hole Hammer Series

New ROK 500DH DTH Hammer



- ◆ Effective in Deep Hole Applications Under Excessive Water Volume
- ◆ Integrated Bit Retention System
- ◆ Patented Design and Technology
- ◆ Exclusive Patented SonicFlow Air Path Design
- ◆ No Blow Tube / Foot Valve
- ◆ Superior Penetration Rates



mining
quarrying
construction
geothermal
exploration
water-well



www.rockmore-intl.com



**ROCK MORE
INTERNATIONAL**
Rock Drilling Tools



NEW

ROK "A" Series

5" & 6" CLASS DTH HAMMERS



- ◆ 5" & 6" class "A" Series DTH hammers
- ◆ Standard QL Shank
- ◆ Suited for lower compressor settings
- ◆ Reduced number of hammer components

- ◆ Increased airflow efficiency
- ◆ Higher performance & penetration rates
- ◆ More efficient use of compressed air
- ◆ Reduced drilling operating costs



mining
•
construction
•
quarrying
•
water-well





NEW



TUBELESS



ROK "T" Series

5" & 6" CLASS DTH HAMMERS

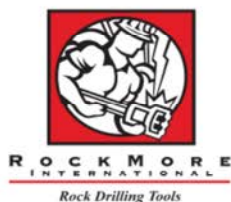


- ◆ 5" & 6" class "T" Series **TUBELESS** DTH hammers (QL5/QL50, QL6/QL60)
- ◆ Industry standard bit shanks
- ◆ Designed for drill bits without a Blow Tube / Foot Valve
- ◆ Eliminates catastrophic Blow Tube / Foot Valve breakage
- ◆ Increased airflow efficiency
- ◆ Higher performance & penetration rates with more efficient drill times
- ◆ Improved reliability
- ◆ Reduced costly down time and drilling operating costs



mining
•
construction
•
quarrying
•
water-well





HAMMER GUARD is an environmentally safe vegetable oil based rock drill lubricant used in DTH Hammers and other drill tool applications.

APPLICATION:

Rockmore Hammer Guard is a unique, environmentally safe, vegetable oil based lubricant recommended for high-speed hammers, top hammers, DTH Hammers, rock drills, percussive drills, casing drivers and other pneumatic equipment that is commonly used in the mining and drilling industry.

BENEFITS:

- 100% vegetable oil based
- Environmentally safe
- Excellent thermal stability & oxidation resistance
- Superior protection against rust & corrosion
- Water-resistant lubricant will not wash off
- Lubricant extends equipment life and saves replacement costs



Rockmore Hammer Guard Hammer Oil Specifications	
Kinematic Viscosity	
cSt at 100°C	8.42
cSt at 40°C	46.0
SUS at 210°F	53.4
SUS at 100°F	211.9
Viscosity Index (VI)	214
Specific Gravity at 25°C	.907
Pour Point	-36°C / -32.8°F
Flash Point	292°C / 557°F
Rockmore Part Number: Hammer Guard 5GA	



www.rockmore-intl.com

For all your rock drilling tool needs contact
ROCKMORE INTERNATIONAL



USA

Phone: 503-682-1001
Fax: 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