



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



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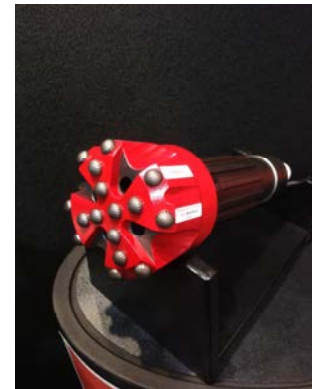


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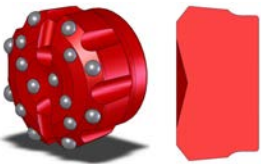
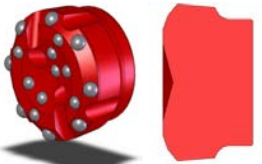
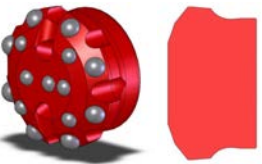
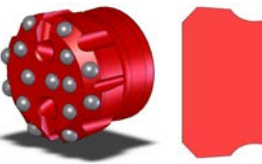
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BIT FACE SELECTION

← LESS ABRASIVE ROCK / ROCK CONSOLIDATION MORE →

Concave Face	Concave-Convex	Convex Face	Flat Face
			
Concave Face designed for unconsolidated or broken rock. These face features will help drill straighter holes in medium to hard formations.	Convex/Concave Face bits are a hybrid design for fast penetration and straighter holes in unconsolidated rock with low silica content. Typical applications are medium to hard formations.	Convex Face bits are designed for fast penetration rates in softer rock like shale and limestone with low silica content.	Flat Face bits are a general purpose bit that will work in all rock conditions but should be used especially for hard or abrasive conditions like granite, basalt, and hard limestone. Flat face bits are the best choice for drilling in a high silica environ






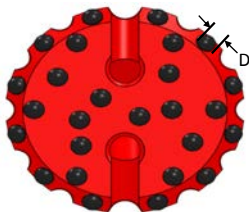
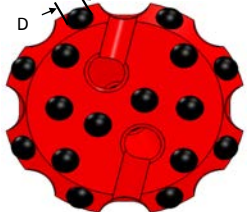
CARBIDE SELECTION

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

← FASTER PENETRATION RATE SHORTER LIFE AND MORE PRONE TO BREAKING →

← SOFTER ROCK HARDNESS →

CONICAL	FULL BALLISTIC	SEMI BALLISTIC	CROWN POINT	HEMISPHERICAL
				
<p>MORE, SMALLER DIAMETER CARBIDE RESULTS IN FASTER PENETRATION RATES, BUT SHORTER CARBIDE AND BIT LIFE.</p> 		<p>FEWER, LARGER DIAMETER CARBIDE RESULTS IN SLOWER PENETRATION RATES, BUT LONGER CARBIDE AND BIT LIFE.</p> 		

← LESS VIBRATION MORE →

BIT AND ROD VIBRATION INCREASES WHEN FEWER AND LARGER CARBIDE BUTTONS ARE SELECTED.



MULTIPOINT

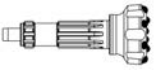

MultiPoint -- the next generation carbide insert. Rockmore's exclusive new carbide insert design provides multiple strike points for more efficient rock fracture and longer insert life. Along with longer insert life, MultiPoint carbides also provide smoother bit rotation and advancement.





DOWN-THE-HOLE (DTH) BITS ROCKMORE

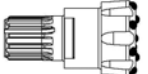



SHANK: RM250

NO.	CONCAVE  10 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	HEM	8	11	7/16	6	9.5	3/8	76	3	RM250-76CC-3459	45616		

NO.	CONVEX  10 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.		
2	HEM	8	11	7/16	6	9.5	3/8	76	3	RM250-76CV-3678	45570		

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		USA	AUSTRIA
				No.	mm	In.	No.	mm	In.	mm	In.		
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



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	 8 SPLINES 2 FRONT FLUSHING HOLES	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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2	 8 SPLINES 2 FRONT FLUSHING HOLES	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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3	 8 SPLINES 2 FRONT FLUSHING HOLES	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 12 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.		
4	 12 SPLINES 2 FRONT FLUSHING HOLES	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

NO.	CONCAVE 12 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.		
5	 12 SPLINES 2 FRONT FLUSHING HOLES	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

NO.	CONVEX 12 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.		
6	 12 SPLINES 2 FRONT FLUSHING HOLES	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

NO.	HEDGEHOG, CONVEX 12 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.		
7	 12 SPLINES 2 FRONT FLUSHING HOLES	FB	8	13	33/64	8	12	15/32	115	4-1/2	TD40-115HHCVB-3690	45608

CARBIDE PROFILE DESIGNS

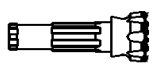
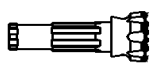


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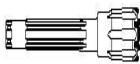
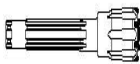
DOWN-THE-HOLE (DTH) BITS BULROC

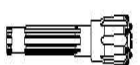
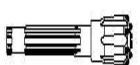


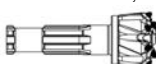
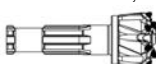
SHANK: BULROC 2, ROK 2LT



NO.	FLAT FACE  6 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		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

SHANK: BULROC 3/33

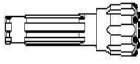
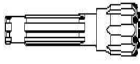
NO.	FLAT FACE  6 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		HEM	6	14	9/16	5	14	9/16	95	3-3/4	BUL3-95FF-2316	45408
		HEM / FB	6	14	9/16	5	14	9/16	95	3-3/4	BUL3-95FF-2614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

NO.	CONVEX  6 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.		
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

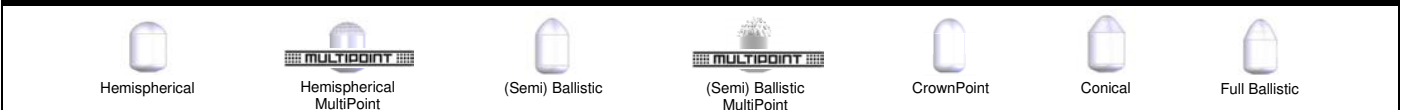
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		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
4		FB	7	11	7/16	6	11	7/16	90	3-1/2	BUL3-90HHCVB-3784	45413

NO.	SPHERICAL  6 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
5		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  7 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.		
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





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



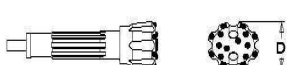
SHANK: IR 3.5


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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1		HEM	8	12.7	1/2	8	11	7/16	105	4-1/8	IR35-105FF-2590	45196

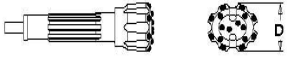
NO.	CONVEX  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		HEM	8	11	7/16	6	11	7/16	92	3-5/8	IR35-92CV-2722	45070
		BAL	8	11	7/16	6	11	7/16	92	3-5/8	IR35-92CVB-2596	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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
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  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.		
4		HEM	8	14	9/16	7	12.7	1/2	105	4-1/8	IR35HD-105FF-2832	45335

NO.	CONCAVE  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.		
5		HEM / BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CC-3770	45519

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.		
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

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		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

CARBIDE PROFILE DESIGNS



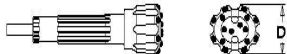



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.

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	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.				
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		
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		
		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		
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



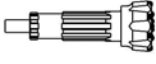

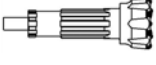

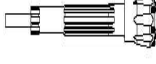

Full Ballistic

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	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
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
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
		14	 	FB	8	16	5/8	8	16	5/8	140	5-1/2
FB	8			16	5/8	9	14	9/16	146	5-3/4	350R-146CVB-2844	45394

CARBIDE PROFILE DESIGNS



Hemispherical



Hemispherical
MultiPoint



(Semi) Ballistic



(Semi) Ballistic
MultiPoint



CrownPoint



Conical



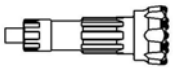

Full Ballistic

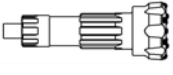

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Note: Some button bits may not be offered with a particular carbide design shown above.

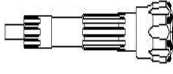

DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



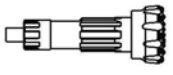

SHANK: 360, SF6 (8 carbide inserts on outside gauge row)

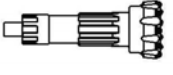

NO.	FLAT FACE  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
15		HEM	8	16	5/8	8	16	5/8	152	6	360-152FF-1173	41297
		HEM	8	16	5/8	8	16	5/8	156	6-1/8	360-156FF-794	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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
16		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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
17		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  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.		
18		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  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.		
19		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

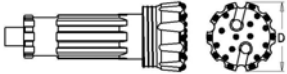
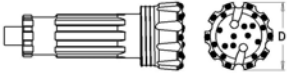


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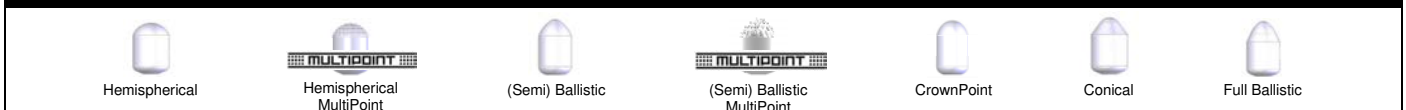
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 380

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.		
20	 10 SPLINES 2 FRONT FLUSHING HOLES	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
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.		
21	 10 SPLINES 2 FRONT FLUSHING HOLES	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		

CARBIDE PROFILE DESIGNS




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



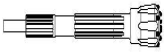
SHANK: QL4/QL40

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1		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

10 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.		
2		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

10 SPLINES 2 FRONT FLUSHING HOLES

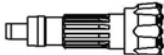
NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		HEM	8	14	9/16	8	12.7	1/2	105	4-1/8	QL4-105CV-3774	45120
		BAL	8	12.7	1/2	8	12.7	1/2	110	4-5/16	QL4-110CVB-3775	45051
		BAL	8	12.7	1/2	11	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

10 SPLINES 2 FRONT FLUSHING HOLES
* 3 FRONT FLUSHING HOLES

SHANK: QL5/QL50

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	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

12 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	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

12 SPLINES 2 FRONT FLUSHING HOLES

CARBIDE PROFILE DESIGNS



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		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	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

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.		
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

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

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.		
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

SHANK: QL6/QL60 (10 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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
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

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.		
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

NO.	CONCAVE - 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.		
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

CARBIDE PROFILE DESIGNS



Hemispherical



Hemispherical MultiPoint



(Semi) Ballistic



(Semi) Ballistic MultiPoint



CrownPoint



Conical



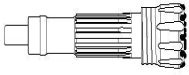
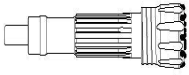
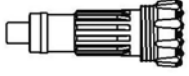
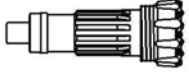
Full Ballistic

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  16 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.		
12	 16 SPLINES 2 FRONT FLUSHING HOLES	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
NO.	CONCAVE  16 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.		
13	 16 SPLINES 2 FRONT FLUSHING HOLES	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

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	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1	 8 SPLINES 2 FRONT FLUSHING HOLES * 3 FRONT FLUSHING HOLES	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

SHANK: 3415, SD4

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.		
2	 8 SPLINES 2 FRONT FLUSHING HOLES	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

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.		
3	 8 SPLINES 2 FRONT FLUSHING HOLES	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

SHANK: 4315, SD5

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	 8 SPLINES 2 FRONT FLUSHING HOLES	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

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	 8 SPLINES 2 FRONT FLUSHING HOLES	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

CARBIDE PROFILE DESIGNS

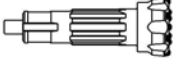



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.



DOWN-THE-HOLE (DTH) BITS SANDVIK - MISSION



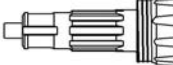

SHANK: 5315, SD6 (8 carbide inserts on outside gauge row)

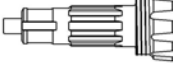

NO.	FLAT FACE  8 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
6		HEM	8	16	5/8	8	16	5/8	152	6	5315-152FF-1175	45003
		HEM	8	16	5/8	8	16	5/8	156	6-1/8	5315-156FF-673	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

SHANK: 5315, SD6 (10 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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
8		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

SHANK: 6315, SD8

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		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
10		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  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.		
11		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




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	USA	AUSTRIA
	MISSION XL 3	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	AUSTRIA
	MISSION XL 3	ROK 350-001	50030
	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	USA	AUSTRIA
	IR 3.5 HD	ROK 350-002	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	USA	AUSTRIA
	IR 3.5	ROK 350-003	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	USA	AUSTRIA
	IR 3.5 HD	ROK 350-004	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	USA	AUSTRIA
	IR 3.5	ROK 350-005	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)		<i>Integrated SonicFlow Technology</i>	
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	
	140 mm - 152 mm 5.5" - 6"		
OPERATING AIR PRESSURE	50250		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			






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


ROK 500DH (DEEP HOLE SERIES)		<i>Integrated SonicFlow Technology</i>	
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	
	140 mm - 152 mm 5.5" - 6"		
OPERATING AIR PRESSURE	50151		
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	
	140 mm - 152 mm 5.5" - 6"		
OPERATING AIR PRESSURE	50150		
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	
	140 mm - 152 mm 5.5" - 6"		
OPERATING AIR PRESSURE	50152		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			

ROK 50-350R		<i>Integrated SonicFlow Technology</i>	
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	
	140 mm - 152 mm 5.5" - 6"		
OPERATING AIR PRESSURE	50158		
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		<i>Integrated SonicFlow Technology</i>	
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	
	155 mm - 178 mm 6.1" - 7"	50160	
	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	
	155 mm - 178 mm 6.1" - 7"	50066	
	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	
	155 mm - 178 mm 6.1" - 7"	50163	
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		






ROK 600T (TUBELESS)		<i>Integrated SonicFlow Technology</i>	
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	
	155 mm - 178 mm 6.1" - 7"	50068	
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


ROK 60-360		<i>Integrated SonicFlow Technology</i>	
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	
	155 mm - 178 mm 6.1" - 7"	50065	
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 60T-360T (TUBELESS)		<i>Integrated SonicFlow Technology</i>	
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	
	155 mm - 178 mm 6.1" - 7"	50164	
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 650A		<i>Integrated SonicFlow Technology</i>	
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	
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE	50079		
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	
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE	50075		
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	
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE	50171		
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	
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE	50076		
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	
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE	50077		
10.4 - 24.1 (BAR) 150 - 350 (PSI)			


ROK 650A (continued)		<i>Integrated SonicFlow Technology</i>	
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	
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE	50078		
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
	165 mm - 178 mm 6.5" - 7"		
OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


DOWN-THE-HOLE (DTH) HAMMERS




ROK 800		<i>Integrated SonicFlow Technology</i>	
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		<i>Integrated SonicFlow Technology</i>	
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		<i>Integrated SonicFlow Technology</i>	
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		<i>Integrated SonicFlow Technology</i>	
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		<i>Integrated SonicFlow Technology</i>	
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	
	40 Lbs (5 Gal.)			46460



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



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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





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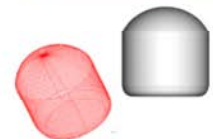
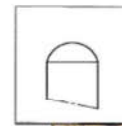
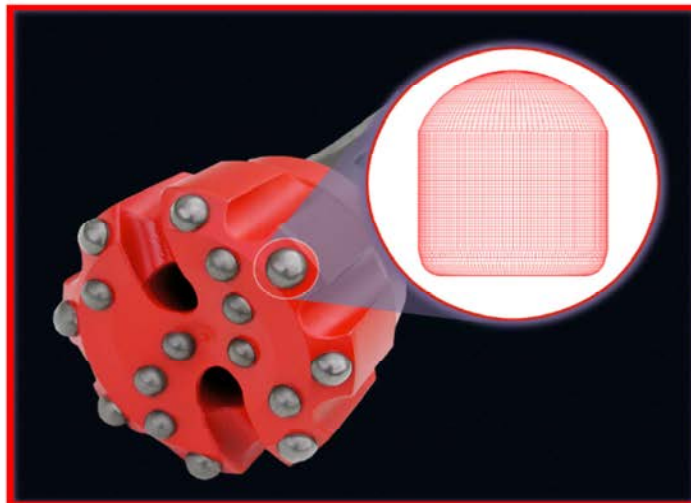
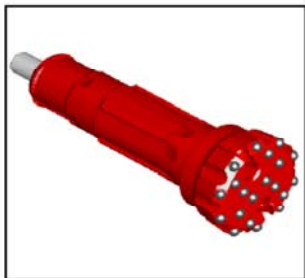
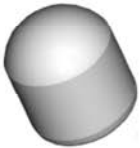
MARATHON

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 ...



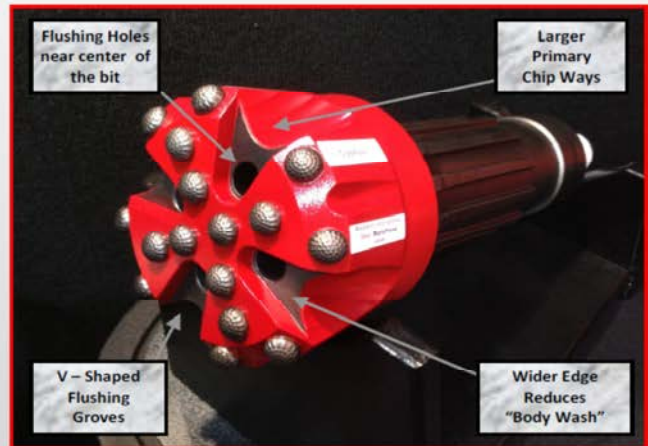
ROCK MORE
INTERNATIONAL
Rock Drilling Tools



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



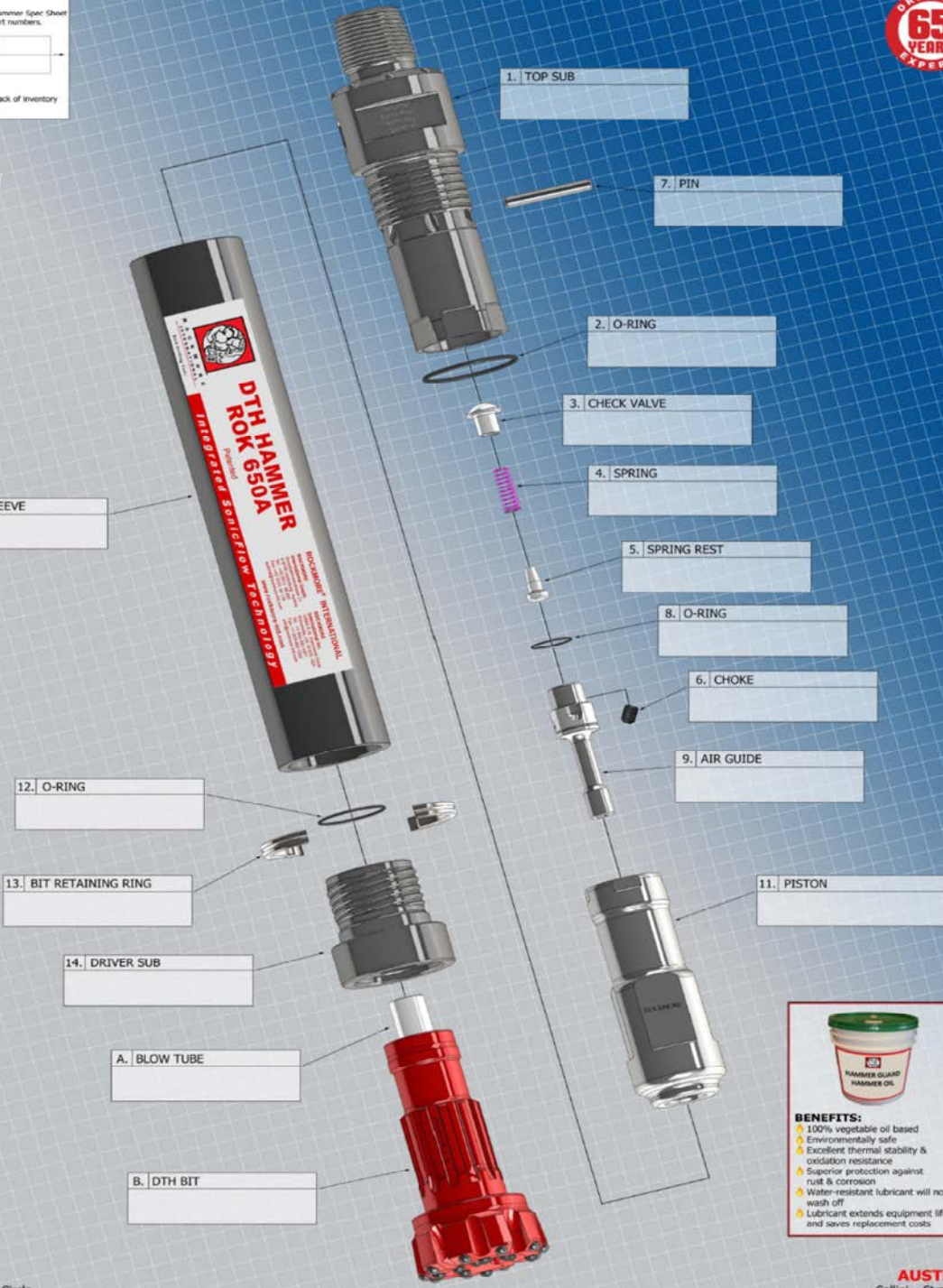
REFERENCE #
Refer to the ROK DTH Hammer Spec Sheet for the corresponding part numbers.

PART NAME

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



10. WEAR SLEEVE



- 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

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Collini - Strasse 2
A-8750 Judenburg, Austria
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ROCK MORE
INTERNATIONAL

Rock Drilling Tools



NEW

ROK 250

HIGH PRESSURE

2" Class DTH Hammer



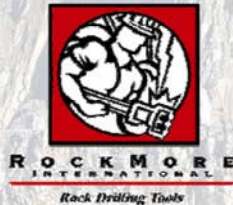
- ◆ Designed to Operate at Higher Air Pressure up to 350 PSI [24 Bar]
- ◆ 3" to 3.5" [76 - 89mm] Diameter Holes
- ◆ Patented Design and Technology
- ◆ Exclusive Patented SonicFlow Air Path Design
- ◆ Maximum Energy to Piston
- ◆ Superior Penetration Rates



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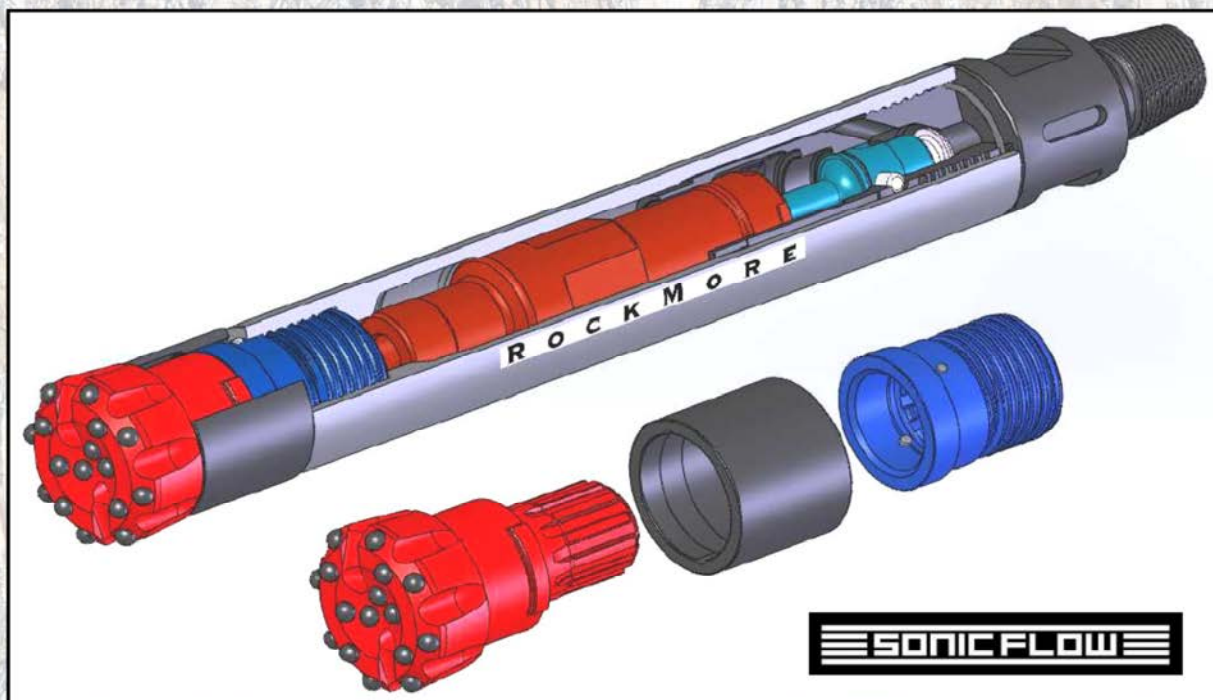


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Deep Hole Hammer Series

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



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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



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NEW



TUBELESS



X ROK "T" Series X

5" & 6" CLASS DTH HAMMERS



Rock Drilling Tools

- ◆ 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



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Rock Drilling Tools



HAMMER GUARD HAMMER OIL

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



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