



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

Rock Drilling Tools

2023 DTH PRODUCT HANDBOOK



For all your rock drilling tool needs contact
ROCKMORE INTERNATIONAL



USA

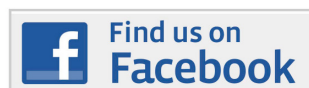
Phone: 503-682-1001
Fax: 503-682-1002
E-mail: info@rockmore-intl.com

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

Rockmore International

General Terms and Conditions

Prices

All prices listed are EXW Rockmore International, Wilsonville, Oregon USA or Judenburg, Austria unless otherwise stated. **Pricing is subject to change without prior notice.**

Delivery

Freight prepaid on all shipments totaling a minimum net invoice value of \$15,000.00 to official customer warehouses. Applicable only to regular ground delivery within the continuous United States (Alaska, Hawaii, and Puerto Rico excluded) and for USA final destinations.

Damaged or missing items must be noted on the delivery receipt and confirmed to our office in Wilsonville, Oregon within 48 hours following delivery of shipment.

Returns

Unused products:

Absolutely no products shall be accepted for return without the prior written consent of Rockmore International and all freight costs shall be prepaid by purchaser. Request to return goods must be made within 60 days of invoice date. Returned goods must be in re-saleable condition and are subject to a minimum 15% restocking fee. Special order items are not returnable. Returns will not be accepted after 6 months of invoice date.

Warranty returns:

Absolutely no product shall be accepted for analysis without the prior written consent of Rockmore International and all freight costs shall be prepaid by purchaser. Rockmore, at its option will request that the goods be returned via a return authorization, call tag, or other means. Credit or replacement parts will be issued at the sole discretion of Rockmore International upon inspection of returned product. Return authorization numbers shall be clearly marked on box and placed on return packing slip.

All returns subject to inspection and final approval.

Special Orders

Special items can be ordered from the factory with a confirming purchase order, but may be subject to minimum quantity requirements. Minimum quantity requirements are subject to fluctuation without prior notice. Shipping tolerance of +/- 10% may be applicable. Special order items are not subject to return.

Cancellations

Purchaser may cancel an order only upon notice and is subject to final approval of Rockmore International. Cancellation of special order items will not be accepted.

Terms of Payment

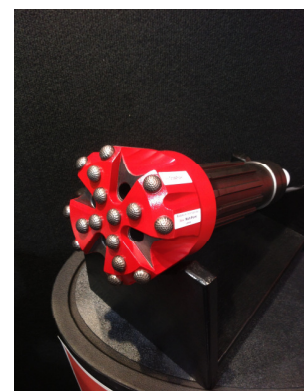
Upon credit approval, domestic terms are Net 30 days after the date of invoice unless otherwise stated.

All pricing, terms and conditions are subject to change without prior notice.



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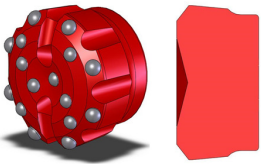
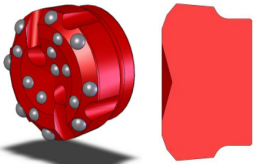
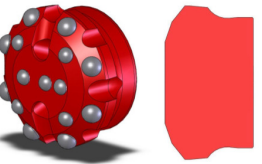
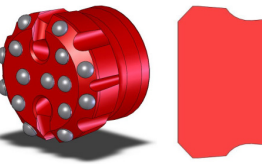
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BIT FACE SELECTION

ABRASIVE ROCK
ROCK CONSOLIDATION

LESS MORE

<p>Concave Face</p>  <p>Concave Face designed for unconsolidated or broken rock. These face features will help drill straighter holes in medium to hard formations.</p>	<p>Concave-Convex</p>  <p>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.</p>	<p>Convex Face</p>  <p>Convex Face bits are designed for fast penetration rates in softer rock like shale and limestone with low silica content.</p>	<p>Flat Face</p>  <p>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</p>
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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

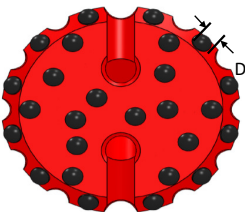
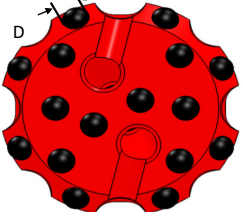
Carbide Configurations

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 SLOWER
SHORTER LIFE AND MORE PRONE TO BREAKING CARBIDE LIFE LONGER LIFE AND LESS PRONE TO BREAKING

 CONICAL	 FULL BALLISTIC	 SEMI BALLISTIC	 CROWN POINT	 HEMISPHERICAL
--	---	---	--	--

SOFTER ROCK HARDNESS HARDER

<p>MORE, SMALLER DIAMETER CARBIDE RESULTS IN FASTER PENETRATION RATES, BUT SHORTER CARBIDE AND BIT LIFE.</p> 	<p>PENETRATION RATE VS. CARBIDE/BIT LIFE</p>	<p>FEWER, LARGER DIAMETER CARBIDE RESULTS IN SLOWER PENETRATION RATES, BUT LONGER CARBIDE AND BIT LIFE.</p> 
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LESS VIBRATION MORE
BIT AND ROD VIBRATION INCREASES WHEN FEWER AND LARGER CARBIDE BUTTONS ARE SELECTED.



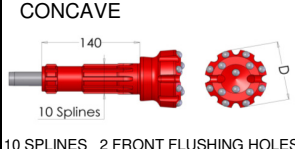
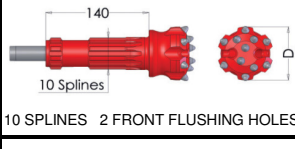
MultiPoint -- the next generation carbide insert. Rockmore's exclusive new carbide insert design provides multiple strike points for more efficient rock fracture and longer insert life. Along with longer insert life, MultiPoint carbides also provide smoother bit rotation and advancement.



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
		HEM	8	11	7/16	6	11	7/16	89	3-1/2	RM250-89CC-3824	45651
2	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.		
		HEM	6	10	13/32	5	10	13/32	72	2-13/16	RM250-72CV-4121	45615
		HEM	8	11	7/16	6	9.5	3/8	76	3	RM250-76CV-3678	45570
3	RM250 BLOW TUBE									PART NUMBER		
										USA	AUSTRIA	
										BTRM250-1021	45118	

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.

* = No shank breakage warranty

DOWN-THE-HOLE (DTH) BITS ATLAS COPCO



SHANK: COP 32

NO.	CONVEX 214 8 Splines 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: TD 40

NO.	FLAT FACE 210 12 Splines 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.		
2		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

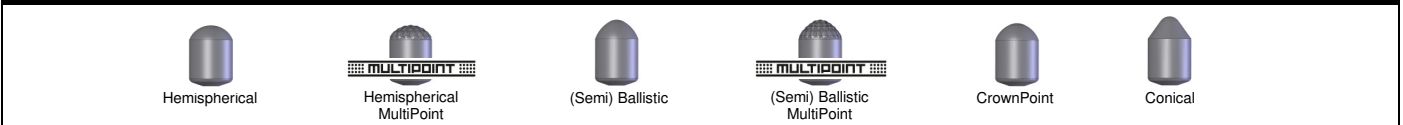
NO.	CONCAVE 210 12 Splines 12 SPLINES 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	TD40-115CC-3685	45600
		HEM / BAL	8	14	9/16	8	12.7	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
		HEM	8	16	5/8	8	12.7	1/2	130 *	5-1/8	TD40-130CC-4122	45602
		HEM / BAL	8	16	5/8	8	12.7	1/2	130 *	5-1/8	TD40-130CC-4123	45606

NO.	CONVEX 210 12 Splines 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		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	8	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 210 12 Splines 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		FB	8	13	1/2	8	12	15/32	115	4-1/2	TD40-115HHCVB-3690	45608

NO.	TD40 / QL4 BLOW TUBE	PART NUMBER									
		USA					AUSTRIA				
		BTTD40-1022					45093				

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
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DOWN-THE-HOLE (DTH) BITS BULROC



SHANK: BULROC 2 (BR2), ROK 20LT

NO.		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 (BR3)

NO.		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		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	
		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	
		CON	8	12	15/32	6	12	15/32	90	3-1/2	BUL3-90CVC-2743	41233	
		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	
		FB	8	12	15/32	8	12	15/32	110 *	4-5/16	BUL3-110CVB-4107	41268	
		FB	8	12	15/32	9	12	15/32	115 *	4-1/2	BUL3-115CVB-4108	41235	
		FB	8	12	15/32	9	12	15/32	120 *	4-23/32	BUL3-120CVB-4109	41282	
		FB	9 **	12	15/32	11	12	15/32	125 *	4-15/16	BUL3-125CVB-4110	41293	

NO.		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	90	3-1/2	BUL3-90HHCVB-4111	45502

NO.		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		FB	7	11	7/16	6	11	7/16	90	3-1/2	BUL3-90HHCVB-3784	45413

SHANK: BULROC 33 (BR33), ROK 30LT

NO.		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	12	15/32	6	12	15/32	90	3-1/2	BUL33-90CV-2728	45463
		FB	8	12	15/32	6	12	15/32	90	3-1/2	BUL33-90CVB-2690	45162
		CON	8	11	7/16	6	11	7/16	90	3-1/2	BUL33-90CVC-2378	45164
		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

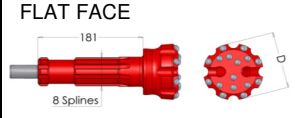
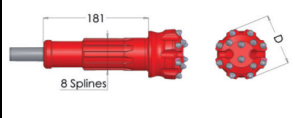
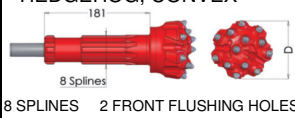


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 * = No shank breakage warranty

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		
2	CONVEX  8 SPLINES 2 FRONT FLUSHING HOLES	CON	8	11	7/16	6	11	7/16	85	3-3/8	IR35-85CVC-4112	45134		
		HEM	8	11	7/16	6	11	7/16	92	3-5/8	IR35-92CV-2722	45070		
		HEM / BAL	8	12.7	1/2	6	12.7	1/2	92	3-5/8	IR35-92CV-4113	45398		
		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		
		HEM / BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35-95CV-4114	45496		
		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		
		3	HEDGEHOG, CONVEX  8 SPLINES 2 FRONT FLUSHING HOLES	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		
4	IR 3.5 / IR 3.5HD BLOW TUBE									PART NUMBER				
										USA	AUSTRIA			
								BTIR35HD-1018		45099				

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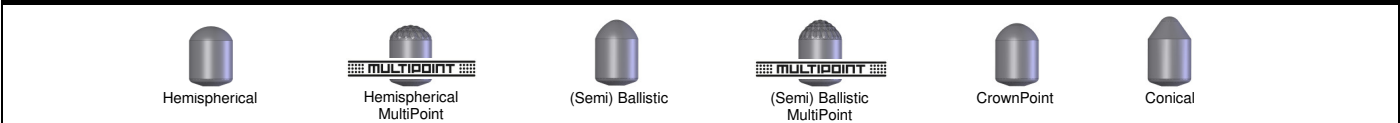
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



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.		
5		HEM	8	14	9/16	7	12.7	1/2	105	4-1/8	IR35HD-105FF-2832	45335
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	6	12.7	1/2	100	3-15/16	IR35HD-100CV-2829	45333
		HEM / BAL	8	12.7	1/2	6	12.7	1/2	100	3-15/16	IR35HD-100CV-4115	45538
		BAL	8	12.7	1/2	6	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
		HEM / BAL	8	12.7	1/2	8	12.7	1/2	105	4-1/8	IR35HD-105CV-4116	45336
		BAL	8	12.7	1/2	8	12.7	1/2	105	4-1/8	IR35HD-105CVB-2831	45334
		FB	7	14	9/16	6	14	9/16	105	4-1/8	IR35HD-105CVB-3769	45469
		CON	8	12.7	1/2	8	12.7	1/2	105	4-1/8	IR35HD-105CVC-4117	45642
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
		FB	7	12	15/32	6	12	15/32	100	3-15/16	IR35HD-100HHCVB-4129	45650
		FB	7	12	15/32	7	12	15/32	105	4-1/8	IR35HD-105HHCVB-4118	45633
NO.	IR 3.5 / IR 3.5HD BLOW TUBE										PART NUMBER	
											USA	AUSTRIA
											BTIR35HD-1018	45099

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.
 * = No shank breakage warranty

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.		
9		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	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 / BAL	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115FF-2796	45517
		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
		HEM	8	16	5/8	9	14	9/16	150 *	5-7/8	340A-150FF-4104	45260
		10		HEM	8	12.7	1/2	8	11	7/16	105	4-1/8
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	4-23/32	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
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
HEM / BAL	8	16	5/8	8	14	9/16	140 *	5-1/2	340A-140CC-4298	45644		
11		HEM	8	14	9/16	8	12.7	1/2	105	4-1/8	340A-105CV-3757	41276
		BAL	8	12.7	1/2	8	11	7/16	105	4-1/8	340A-105CVB-2282	45167
		HEM	8	14	9/16	8	12.7	1/2	110	4-5/16	340A-110CV-4097	41287
		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
		HEM	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CV-1969	41278
		HEM / BAL	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CV-4099	45636
		BAL	8	12.7	1/2	9	12.7	1/2	115	4-1/2	340A-115CVB-4100	45075
		BAL	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CVB-2084	45067
		FB	7	14	9/16	7	14	9/16	115	4-1/2	340A-115CVB-2835	45431
		CON	8	12.7	1/2	9	12.7	1/2	115	4-1/2	340A-115CVC-4101	45575
		BAL	8	14	9/16	8	12.7	1/2	120	4-23/32	340A-120CVB-3682	45550
		BAL	9 **	12.7	1/2	11	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
		HEM / BAL	9 **	12.7	1/2	12	12.7	1/2	130 *	5-1/8	340A-130CV-4103	45641
		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
		FB	9 **	14	9/16	12	12	15/32	140 *	5-1/2	340A-140CVB-2839	45152
		FB	8	16	5/8	9	14	9/16	145 *	5-3/4	340A-145CVB-2840	45328
		12		FB	8	13	1/2	8	12	15/32	110	4-5/16
FB	8			13	1/2	8	12	15/32	115	4-1/2	340A-115HHCVB-3160	45499
FB	8			13	1/2	8	12	15/32	120	4-23/32	340A-120HHCVB-4102	45567
FB	9			12	15/32	10	12	15/32	127 *	5	340A-127HHCVB-3452	45531
13	340A BLOW TUBE									PART NUMBER		
										USA	AUSTRIA	
										BT340A-1003	45094	

CARBIDE PROFILE DESIGNS

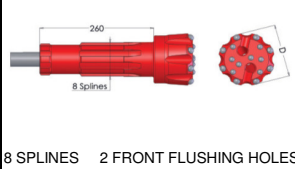
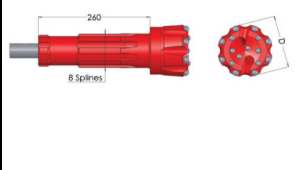
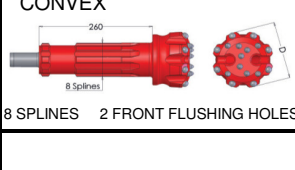


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.
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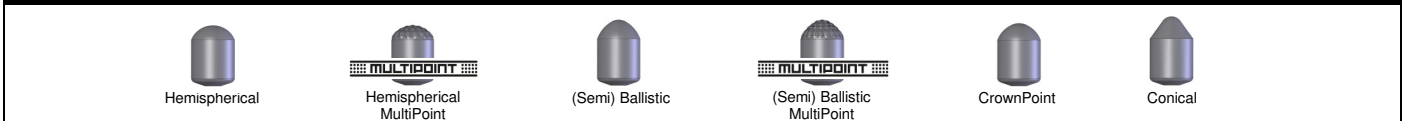
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



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.		
14		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	135	5-5/16	350R-135FF-4106	45549
		HEM	9 **	16	5/8	9	14	9/16	135	5-5/16	350R-135FF-4301	45566
		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	145	5-3/4	350R-145FF-4300	45664
		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	150	5-7/8	350R-150FF-2201	45184
		HEM	9 **	16	5/8	9	14	9/16	150	5-7/8	350R-150FF-4302	45573
		HEM	8	16	5/8	8	16	5/8	152 *	6	350R-152FF-2202	45344
		HEM	8	16	5/8	10	16	5/8	165 *	6-1/2	350R-165FF-4031	45673
		15		HEM	8	16	5/8	8	12.7	1/2	127	5
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 / BAL	9 **			16	5/8	9	14	9/16	130	5-1/8	350R-130CC-4304	45675
HEM / BAL	8			16	5/8	8	14	9/16	135	5-5/16	350R-135CC-4105	45548
HEM / BAL	9 **			14	9/16	9	14	9/16	135	5-5/16	350R-135CC-4305	45702
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	16	5/8	150	5-7/8	350R-150CC-2203	45345
HEM / BAL	8			16	5/8	9	14	9/16	150	5-7/8	350R-150CC-4303	45643
HEM / BAL	9 **			16	5/8	10	14	9/16	150	5-7/8	350R-150CC-4306	45695
HEM	8			16	5/8	9	16	5/8	152 *	6	350R-152CC-737	45346
HEM / BAL	8			16	5/8	9	16	5/8	152 *	6	350R-152CC-3393	45559
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
16		BAL	8	16	5/8	6	16	5/8	127	5	350R-127CVB-4299	45520
		BAL	8	16	5/8	8	16	5/8	140	5-1/2	350R-140CVB-2843	45403
		BAL	8	16	5/8	9	14	9/16	146	5-3/4	350R-146CVB-2844	45394
17	350R BLOW TUBE									PART NUMBER		
										USA	AUSTRIA	
								BT350R-1004	45101			

CARBIDE PROFILE DESIGNS



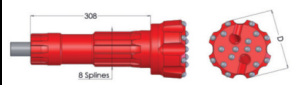
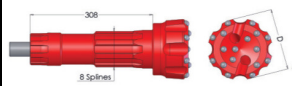
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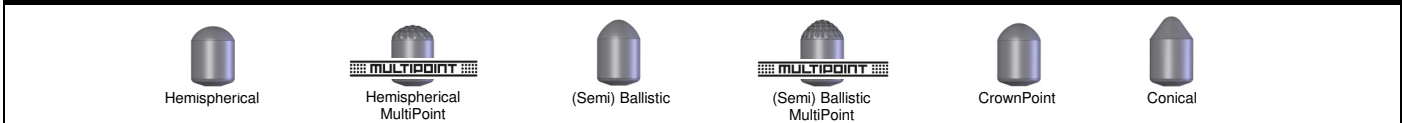
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 360, SF6

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.		
18	 8 SPLINES 2 FRONT FLUSHING HOLES ** 3 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
		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 / BAL	9 **	16	5/8	10	16	5/8	178 *	7	360-178FF-3788	45626
		HEM	10	16	5/8	12	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
19	 8 SPLINES 2 FRONT FLUSHING HOLES ** 3 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	10	16	5/8	10	16	5/8	165	6-1/2	360-165CC-1612	41257
		HEM	8	19	3/4	9	16	5/8	172	6-3/4	360-172CC-1356	45436
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	360-172CC-1397	41258
		BAL	10	16	5/8	10	16	5/8	172	6-3/4	360-172CCB-1891	45435
		HEM	9 **	19	3/4	10	19	3/4	178 *	7	360-178CC-3450	45637
		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
		20	360 BLOW TUBE									PART NUMBER
								USA	AUSTRIA			
								BT360-1005	45095			

CARBIDE PROFILE DESIGNS



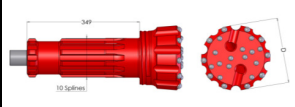
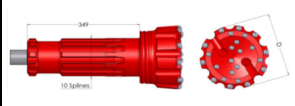
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 Note: Some button bits may not be offered with a particular carbide design shown above.

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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.		
21	 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.		
22	 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
NO.	380 BLOW TUBE									PART NUMBER		
										USA	AUSTRIA	
										BT380-1006	45115	

CARBIDE PROFILE DESIGNS



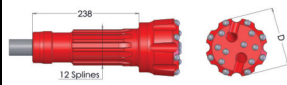
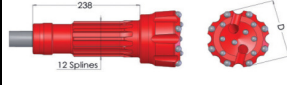
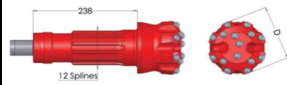
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request
 Note: Some button bits may not be offered with a particular carbide design shown above.

* = No shank breakage warranty

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



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.				
1	 12 SPLINES 2 FRONT FLUSHING HOLES ** 3 FRONT FLUSHING HOLES	HEM	8	16	5/8	8	12.7	1/2	130	5-1/8	QL5-130FF-2066	45312		
		HEM	9**	16	5/8	9	14	9/16	135	5-5/16	QL5-135FF-4309	45683		
		HEM	8	16	5/8	8	14	9/16	140	5-1/2	QL5-140FF-2067	45314		
		HEM	8	16	5/8	10	14	9/16	140	5-1/2	QL5-140FF-4308	45569		
		HEM	9**	16	5/8	9	14	9/16	140	5-1/2	QL5-140FF-3481	45681		
		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		
		HEM	8	16	5/8	10	16	5/8	165*	6-1/2	QL5-165FF-3384	45560		
		2	 12 SPLINES 2 FRONT FLUSHING HOLES ** 3 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		
HEM / BAL	9**			16	5/8	9	14	9/16	130	5-1/8	QL5-130CC-4310	45669		
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 / BAL	9**			14	9/16	9	14	9/16	135	5-5/16	QL5-135CC-4311	45630		
HEM	9**			14	9/16	9	14	9/16	135	5-5/16	QL5-135CC-4312	45631		
HEM	8			16	5/8	8	14	9/16	140	5-1/2	QL5-140CC-2071	45315		
HEM / BAL	8			16	5/8	8	14	9/16	140	5-1/2	QL5-140CC-2801	45564		
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 / BAL	9**			16	5/8	9	14	9/16	150	5-7/8	QL5-150CC-4313	45670		
HEM	8			16	5/8	9	16	5/8	152*	6	QL5-152CC-2236	45379		
HEM / BAL	9**			16	5/8	9	16	5/8	152*	6	QL5-152CC-3313	45544		
HEM	8			16	5/8	9	16	5/8	165*	6-1/2	QL5-165CC-2786	45530		
HEM	10			16	5/8	12	16	5/8	180*	7	QL5-180CC-3305	45541		
3	 12 SPLINES 2 FRONT FLUSHING HOLES ** 3 FRONT FLUSHING HOLES			BAL	8	16	5/8	7	16	5/8	130	5-1/8	QL5-130CVB-3027	45506
				BAL	9**	14	9/16	9	16	5/8	130	5-1/8	QL5-130CVB-3325	45547
				BAL	8	16	5/8	8	16	5/8	135	5-5/16	QL5-135CVB-3026	45507
		BAL	9**	14	9/16	10	14	9/16	135	5-5/16	QL5-135CVB-4307	45662		
		BAL	8	16	5/8	8	16	5/8	140	5-1/2	QL5-140CVB-2901	45522		
		BAL	9**	14	9/16	10	14	9/16	140	5-1/2	QL5-140CVB-3381	45557		
		4	QL5/QL50 BLOW TUBE									PART NUMBER		
								USA	AUSTRIA					
								BTQL5-1013	45116					

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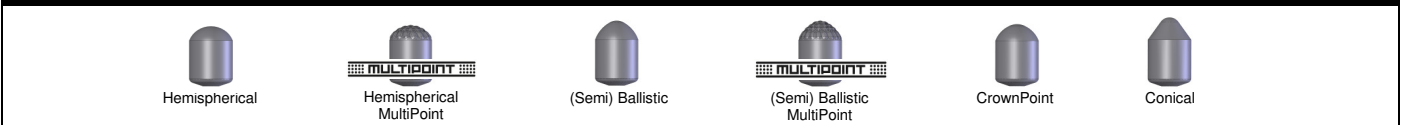
**DOWN-THE-HOLE (DTH) BITS
INGERSOLL-RAND - QL SERIES**



SHANK: QL6/QL60

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.			
5		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	10	16	5/8	10	16	5/8	165	6-1/2	QL6-165FF-1624	45241	
		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	
		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	
6		HEM	8	16	5/8	9	16	5/8	152	6	QL6-152CC-2233	45238	
		HEM	9 **	19	3/4	9	16	5/8	152	6	QL6-152CC-2578	45445	
		HEM	8	16	5/8	9	16	5/8	155	6.1	QL6-155CC-2117	45381	
		HEM	9 **	19	3/4	9	16	5/8	155	6.1	QL6-155CC-2580	45446	
		HEM	8	16	5/8	9	16	5/8	156	6-1/8	QL6-156CC-1920	45383	
		HEM	9 **	19	3/4	9	16	5/8	156	6-1/8	QL6-156CC-2694	45447	
		HEM	8	16	5/8	9	16	5/8	159	6-1/4	QL6-159CC-1955	45385	
		HEM	9 **	19	3/4	9	16	5/8	159	6-1/4	QL6-159CC-2695	45448	
		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	9 **	19	3/4	10	16	5/8	165	6-1/2	QL6-165CC-2670	45449	
		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	8	16	5/8	9	16	5/8	172	6-3/4	QL6-172CC-1278	45240	
		HEM	9 **	19	3/4	10	16	5/8	172	6-3/4	QL6-172CC-2599	45450	
		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	
		HEM	10	19	3/4	14	16	5/8	220 *	8-5/8	QL6-220CC-2583	45518	
7		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	
		8	QL6/QL60 BLOW TUBE									PART NUMBER	
												USA	AUSTRIA
								BTQL6-1014	45097				

CARBIDE PROFILE DESIGNS

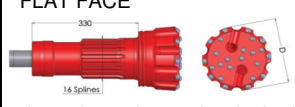
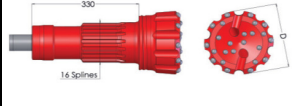


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 Note: Some button bits may not be offered with a particular carbide design shown above.
 * = No shank breakage warranty

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	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
9	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 	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	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
NO.	QL8/QL80 BLOW TUBE									PART NUMBER		
										USA	AUSTRIA	
										BTQL8-1015	45117	

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
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 * = No shank breakage warranty

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



SHANK: MI6, M60

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	<p>12 SPLINES 2 FRONT FLUSHING HOLES</p>	HEM	8	16	5/8	8	16	5/8	156	6-1/8	MI6-156FF-2370	45708
		HEM	10	19	3/4	14	16	5/8	203 *	8	MI6-203FF-2371	45709

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	<p>12 SPLINES 2 FRONT FLUSHING HOLES</p>	HEM	8	16	5/8	9	16	5/8	156	6-1/8	MI6-156CC-2002	45356
		HEM	8	16	5/8	9	16	5/8	165	6-1/2	MI6-165CC-1976	45358
		HEM	8	16	5/8	9	16	5/8	172	6-3/4	MI6-172CC-2024	45361

SHANK: 5315, SD6

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.		
3	<p>8 SPLINES 2 FRONT FLUSHING HOLES</p>	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
		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 DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
4	<p>8 SPLINES 2 FRONT FLUSHING HOLES</p>	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
		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

NO.	5315 BLOW TUBE	PART NUMBER	
		USA	AUSTRIA
			BT5315-1010

CARBIDE PROFILE DESIGNS



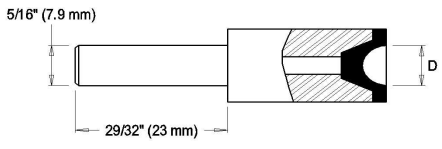
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GRINDING ACCESSORIES



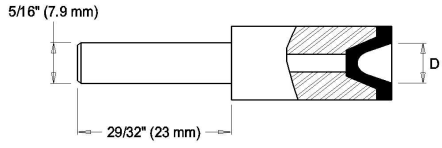
GRINDING PINS - COMBINATION

HEMISPHERICAL	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	6	1/4	2856CH	46348
7	9/32	2857CH	46203	
8	5/16	2858CH	46204	
9	11/32	2859CH	46205	
10	13/32	28510CH	46206	
11	7/16	28511CH	46207	
12	15/32	28512CH	46208	
13	1/2	28513CH	46248	
14	9/16	28514CH	46223	
15	19/32	28515CH	46349	
16	5/8	28516CH	46228	
17	21/32	28517CH	46350	
18	23/32	28518CH	46351	
19	3/4	28519CH	46352	
20	25/32	28520CH	46353	




GRINDING PINS - COMBINATION

(SEMI) BALLISTIC	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	6	1/4	2856CB	46354
7	9/32	2857CB	46355	
8	5/16	2858CB	46244	
9	11/32	2859CB	46245	
10	13/32	28510CB	46246	
11	7/16	28511CB	46247	
12	15/32	28512CB	46226	
13	1/2	28513CB	46356	
14	9/16	28514CB	46227	
15	19/32	28515CB	46357	
16	5/8	28516CB	46358	
17	21/32	28517CB	46359	
18	23/32	28518CB	46360	
19	3/4	28519CB	46361	
20	25/32	28520CB	46362	



HAND-HELD AIR GRINDER

	PART NUMBER	
	USA	AUSTRIA
	MK11	46019


Note:

Combination grinding pins are for grinding the carbide buttons and the steel body in one action


DOWN-THE-HOLE (DTH) HAMMERS




ROK 2LT (LOW PRESSURE)

ROK 20LT RD 50-6 BOX LOW PRESSURE 	BIT SHANK STYLE	PART NUMBER	
	BULROC 2 (6 SPLINES)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK20LT-001	42040
	70 mm - 76 mm 2.8" - 3"		
	OPERATING AIR PRESSURE		
	6 - 10 (BAR) 87 - 145 (PSI)		



ROK 30LT (LOW PRESSURE)

ROK 30LT 2-3/8" API REG PIN LOW PRESSURE 	BIT SHANK STYLE	PART NUMBER	
	BULROC 33 (7 SPLINES)	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK30LT-001	42041
	90 mm - 95 mm 3.5" - 3.7"		
	OPERATING AIR PRESSURE		
	6 - 10 (BAR) 87 - 145 (PSI)		

ROK 250

ROK 250 RD-50 BOX 	BIT SHANK STYLE	PART NUMBER	
	ROCKMORE RM250	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK250-004	50010
	76 mm - 89 mm 3" - 3.5"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


ROK 300

ROK 300 2-3/8" API REG PIN 	BIT SHANK STYLE	PART NUMBER	
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK300-001	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	ROK300-002	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)


ROK 300 CUBEX #21 PIN WITH SPLINES	BIT SHANK STYLE	PART NUMBER	
		USA	AUSTRIA
	IR 3.5	ROK300-003	50022
	MISSION XL 3		
	RECOMMENDED BIT DIAMETER		
	88 mm - 105 mm		
	3.5" - 4.1"		
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR)			
150 - 350 (PSI)			


ROK 350

ROK 350 2-3/8" API REG PIN	BIT SHANK STYLE	PART NUMBER	
		USA	AUSTRIA
	IR 3.5	ROK350-001	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	
		USA	AUSTRIA
	IR 3.5 HD	ROK350-002	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	PART NUMBER	
		USA	AUSTRIA
	IR 3.5	ROK350-003	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	PART NUMBER	
		USA	AUSTRIA
	IR 3.5 HD	ROK350-004	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	PART NUMBER	
		USA	AUSTRIA
	IR 3.5	ROK350-005	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)


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
RECOMMENDED BIT DIAMETER		ROK350-006	50035
95 mm - 105 mm 3.7" - 4.1"			
OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


ROK 400

ROK 400 2-3/8" API REG PIN	BIT SHANK STYLE	PART NUMBER	
		INGERSOLL-RAND 340A EPIROC COP 44	USA
RECOMMENDED BIT DIAMETER		ROK400-001	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 EPIROC COP 44	USA
RECOMMENDED BIT DIAMETER		ROK400-005	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 EPIROC COP 44	USA
RECOMMENDED BIT DIAMETER		ROK400-004	50042
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	
		INGERSOLL-RAND 340A EPIROC COP 44	USA
RECOMMENDED BIT DIAMETER		ROK400-002	50041
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 BOX	BIT SHANK STYLE	PART NUMBER	
		INGERSOLL-RAND 340A EPIROC COP 44	USA
RECOMMENDED BIT DIAMETER		ROK400-007	50045
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)			
ROK 400 CUBEX #24 PIN WITH SPLINES 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 340A EPIROC COP 44	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-008	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	
	EPIROC TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-021	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	
	EPIROC TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-025	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	
	EPIROC TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-024	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	
	EPIROC TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-022	50141
	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 BOX 	BIT SHANK STYLE	PART NUMBER	
	EPIROC TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-027	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	
	EPIROC TD40	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK400-028	50145
	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 550A			
ROK 550A 2-3/8" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK550A-003	50450
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 550A 2-3/8" 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	ROK550A-004	50451
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 550A 2-3/8" API REG PIN Lower Air Consumption Slim Line Diameter 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK550A-009	50455
	133 mm - 146 mm 5.25" - 5.75"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 550A 2-7/8" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK550A-005	50452
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 550A 2-7/8" 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	ROK550A-006	50453
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 550A 3-1/2" API REG PIN Lower Air Consumption 	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK550A-001	50257
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 550A 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	ROK550A-002	50258
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


DOWN-THE-HOLE (DTH) HAMMERS




ROK 550A (continued)


ROK 550A 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	ROK550A-007	50454	
	133 mm - 146 mm 5.25" - 5.75"			
	OPERATING AIR PRESSURE	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


ROK 550T (TUBELESS)


ROK 550T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Lower Air Consumption  X TUBELESS X	BIT SHANK STYLE		PART NUMBER	
	QL5T (INGERSOLL-RAND QL5/QL50 WITHOUT BLOW TUBE)		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK550T-001	50253	
	140 mm - 152 mm 5.5" - 6"			
	OPERATING AIR PRESSURE	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 55A-350R

ROK 55A-350R 2-3/8" API REG PIN 	BIT SHANK STYLE		PART NUMBER	
	INGERSOLL-RAND 350R		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK55A-350R-002	50352	
	140 mm - 152 mm 5.5" - 6"			
	OPERATING AIR PRESSURE	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 55A-350R 2-3/8" API REG PIN Top Sub With Back Reaming Buttons 	BIT SHANK STYLE		PART NUMBER	
	INGERSOLL-RAND 350R		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK55A-350R-003	50353	
	140 mm - 152 mm 5.5" - 6"			
	OPERATING AIR PRESSURE	10.4 - 24.1 (BAR) 150 - 350 (PSI)		




ROK 55A-350R 2-7/8" API REG PIN 	BIT SHANK STYLE		PART NUMBER	
	INGERSOLL-RAND 350R		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK55A-350R-005	50355	
	140 mm - 152 mm 5.5" - 6"			
	OPERATING AIR PRESSURE	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 55A-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	ROK55A-350R-006	50356	
	140 mm - 152 mm 5.5" - 6"			
	OPERATING AIR PRESSURE	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


DOWN-THE-HOLE (DTH) HAMMERS



ROK 55A-350R (continued)

ROK 55A-350R 3-1/2" API REG PIN	BIT SHANK STYLE	PART NUMBER	
		INGERSOLL-RAND 350R	USA
RECOMMENDED BIT DIAMETER		ROK55A-350R-001	50256
140 mm - 152 mm 5.5" - 6"			
OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 55A-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	ROK55A-350R-004	50354
	140 mm - 152 mm 5.5" - 6"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 55A-350R 3-1/2" API REG PIN Slim Line Diameter	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 350R	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK55A-350R-007	50357
	133 mm - 146 mm 5.25" - 5.75"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 55T-350RT (TUBELESS)

ROK 55T-350RT 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Lower Air Consumption	BIT SHANK STYLE	PART NUMBER	
	 X TUBELESS X	350RT (INGERSOLL-RAND 350R WITHOUT BLOW TUBE)	USA
RECOMMENDED BIT DIAMETER		ROK55T-350RT-001	50252
140 mm - 152 mm 5.5" - 6"			
OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		



ROK 600A

ROK 600A 2-7/8" API REG PIN Lower Air Consumption	BIT SHANK STYLE	PART NUMBER	
		INGERSOLL-RAND QL6/QL60	USA
RECOMMENDED BIT DIAMETER		ROK600A-005	50167
155 mm - 178 mm 6.1" - 7"			
OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
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	ROK600A-002	50160
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		





DOWN-THE-HOLE (DTH) HAMMERS



ROK 600A (continued)

ROK 600A 3-1/2" API REG PIN Lower Air Consumption	BIT SHANK STYLE	PART NUMBER	
		INGERSOLL-RAND QL6/QL60	USA
RECOMMENDED BIT DIAMETER		ROK600A-001	50066
155 mm - 178 mm 6.1" - 7"			
OPERATING AIR PRESSURE			
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK600A-004	50163
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		



ROK 600T (TUBELESS)

ROK 600T 2-7/8" API REG PIN Tubeless (Bit without Blow Tube)	BIT SHANK STYLE	PART NUMBER	
	 <p>X TUBELESS X</p>	QL6T (INGERSOLL-RAND QL6/QL60 WITHOUT BLOW TUBE)	USA
RECOMMENDED BIT DIAMETER		ROK600T-002	50161
155 mm - 178 mm 6.1" - 7"			
OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600T 2-7/8" API REG PIN Tubeless (Bit without Blow Tube) Top Sub With Back Reaming Buttons	BIT SHANK STYLE	PART NUMBER	
	QL6T (INGERSOLL-RAND QL6/QL60 WITHOUT BLOW TUBE)	USA	AUSTRIA
 <p>X TUBELESS X</p>	RECOMMENDED BIT DIAMETER	ROK600T-003	50162
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
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
 <p>X TUBELESS X</p>	RECOMMENDED BIT DIAMETER	ROK600T-001	50068
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Top Sub With Back Reaming Buttons	BIT SHANK STYLE	PART NUMBER	
	QL6T (INGERSOLL-RAND QL6/QL60 WITHOUT BLOW TUBE)	USA	AUSTRIA
 <p>X TUBELESS X</p>	RECOMMENDED BIT DIAMETER	ROK600T-005	50166
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


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ROK 60-360

ROK 60-360 2-7/8" API REG PIN	BIT SHANK STYLE	PART NUMBER	
		INGERSOLL-RAND 360	USA
RECOMMENDED BIT DIAMETER		ROK60-360-002	50168
155 mm - 178 mm 6.1" - 7"			
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 60-360 3-1/2" API REG PIN	BIT SHANK STYLE	PART NUMBER	
	INGERSOLL-RAND 360	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER	ROK60-360-001	50065
	155 mm - 178 mm 6.1" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 60T-360T (TUBELESS)

ROK 60T-360T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Lower Air Consumption	BIT SHANK STYLE	PART NUMBER	
	 X TUBELESS X	360T (INGERSOLL-RAND 360 WITHOUT BLOW TUBE)	USA
RECOMMENDED BIT DIAMETER		ROK60T-360T-001	50164
155 mm - 178 mm 6.1" - 7"			
OPERATING AIR PRESSURE			
10.4 - 24.1 (BAR) 150 - 350 (PSI)			


ROK 650A

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
RECOMMENDED BIT DIAMETER		ROK650A-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	ROK650A-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	ROK650A-009	50171
	165 mm - 178 mm 6.5" - 7"		
	OPERATING AIR PRESSURE		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		


DOWN-THE-HOLE (DTH) HAMMERS





ROK 650A (continued)

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
	RECOMMENDED BIT DIAMETER	ROK650A-007	50078
		165 mm - 178 mm 6.5" - 7"	
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	


ROK 650M

ROK 650M 2-7/8" 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
	RECOMMENDED BIT DIAMETER	ROK650M-003	50177
		165 mm - 178 mm 6.5" - 7"	
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	


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
	RECOMMENDED BIT DIAMETER	ROK650M-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
	RECOMMENDED BIT DIAMETER	ROK650M-002	50174
		165 mm - 178 mm 6.5" - 7"	
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	

ROK 650T

ROK 650T 3-1/2" API REG PIN Tubeless (Bit without Blow Tube) Top Sub With Back Reaming Buttons Heavy Duty Diameter	BIT SHANK STYLE	PART NUMBER	
		QL6T (INGERSOLL-RAND QL6/QL60 WITHOUT BLOW TUBE)	USA
 X TUBELESS X	RECOMMENDED BIT DIAMETER	ROK650T-001	50172
		165 mm - 178 mm 6.5" - 7"	
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	


ROK 65-360

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
	RECOMMENDED BIT DIAMETER	ROK65-360-001	50175
		165 mm - 178 mm 6.5" - 7"	
	OPERATING AIR PRESSURE		
		10.4 - 24.1 (BAR) 150 - 350 (PSI)	



DOWN-THE-HOLE (DTH) HAMMERS






ROK 65T-360T

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		ROK65T-360T-001		
	165 mm - 178 mm 6.5" - 7"				
	OPERATING AIR PRESSURE				
		10.4 - 24.1 (BAR) 150 - 350 (PSI)			

ROK 800A

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		ROK800A-001		
	200 mm - 254 mm 7.9" - 10"				
	OPERATING AIR PRESSURE				
		10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 800A 4-1/2" BECO PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE		PART NUMBER		
	INGERSOLL-RAND QL8/QL80		USA	AUSTRIA	
	RECOMMENDED BIT DIAMETER		ROK800A-002		
	200 mm - 254 mm 7.9" - 10"				
	OPERATING AIR PRESSURE				
		10.4 - 24.1 (BAR) 150 - 350 (PSI)			


ROK 875A

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		ROK875A-001		
	215 mm - 254 mm 8.5" - 10"				
	OPERATING AIR PRESSURE				
		10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 875A 4-1/2" BECO PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE		PART NUMBER		
	INGERSOLL-RAND QL8/QL80		USA	AUSTRIA	
	RECOMMENDED BIT DIAMETER		ROK875A-002		
	215 mm - 254 mm 8.5" - 10"				
	OPERATING AIR PRESSURE				
		10.4 - 24.1 (BAR) 150 - 350 (PSI)			
ROK 875A 5-1/4" BECO PIN Lower Air Consumption 	BIT SHANK STYLE		PART NUMBER		
	INGERSOLL-RAND QL8/QL80		USA	AUSTRIA	
	RECOMMENDED BIT DIAMETER		ROK875A-003		
	215 mm - 254 mm 8.5" - 10"				
	OPERATING AIR PRESSURE				
		10.4 - 24.1 (BAR) 150 - 350 (PSI)			


DOWN-THE-HOLE (DTH) HAMMERS



ROK 87A-380

ROK 87A-380 4-1/2" API REG PIN Top Sub With Back Reaming Buttons Lower Air Consumption 	BIT SHANK STYLE		PART NUMBER	
	INGERSOLL-RAND 380		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER		ROK87A-380-001	50086
	215 mm - 254 mm 8.5" - 10"			
	OPERATING AIR PRESSURE			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)			

DTH HAMMER ROCK DRILL OIL

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

For all your rock drilling tool needs contact
ROCKMORE INTERNATIONAL



USA

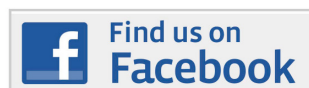
Phone: 503-682-1001
Fax: 503-682-1002
E-mail: info@rockmore-intl.com

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