

2013
DTH PRODUCT HANDBOOK



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

Rock Drilling Tools

REVISED 1/14/13

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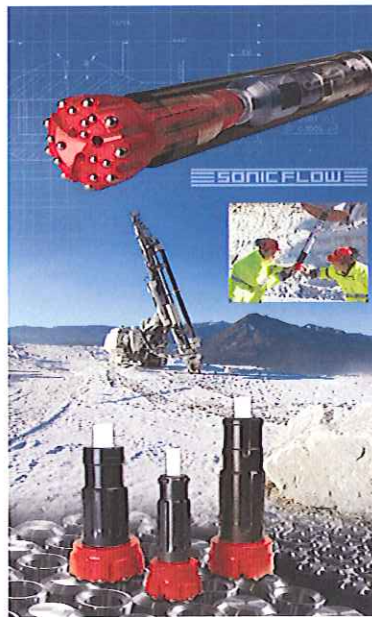


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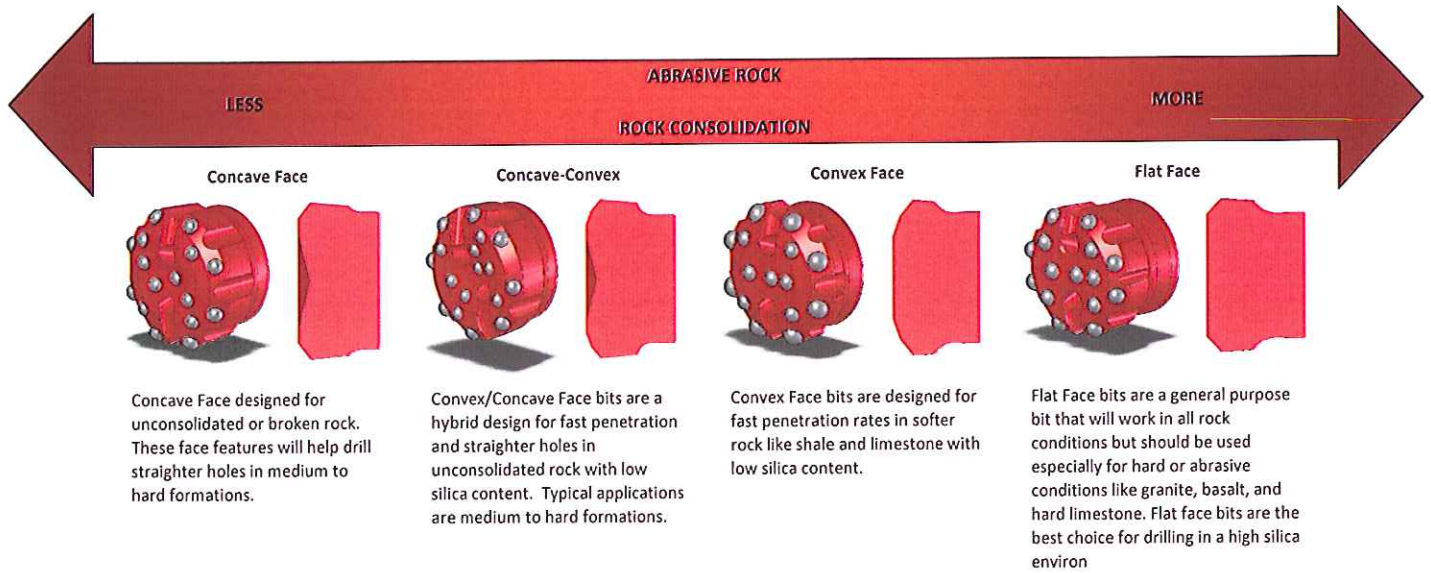


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BIT FACE SELECTION



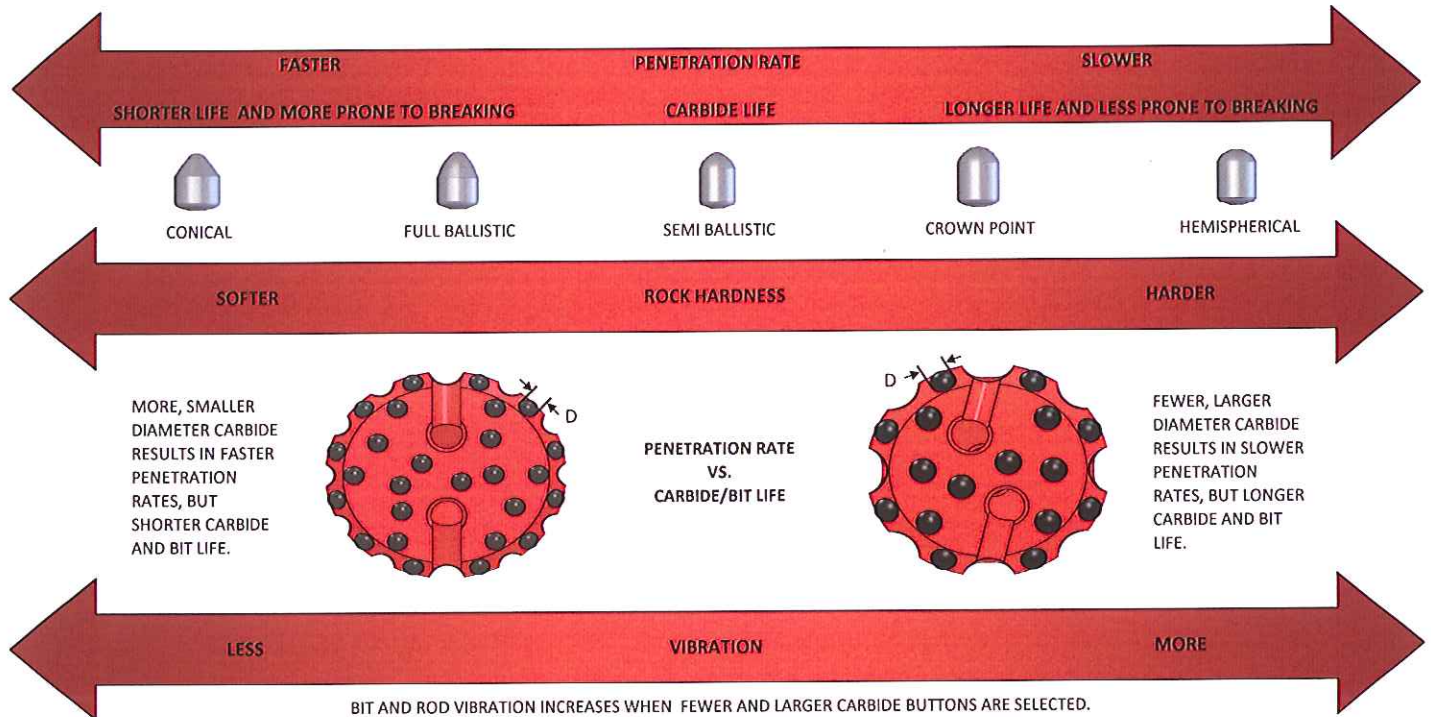
CARBIDE SELECTION

Carbide Designs

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

Carbide Configurations


Most face designs for button bits are offered in multiple carbide configurations and typically differ in diameter, shape (i.e. profile) and quantity. There are some general guidelines to follow while selecting between multiple carbide configurations inclu




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




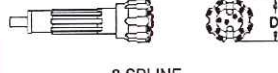
SHANK: IR 3.5

NO.	FLAT FACE  8 SPLINE	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 SPLINE	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
		FB	8	11	7/16	8	11	7/16	92	3-5/8	IR35-92CVB-2833	45278
		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
		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	

SHANK: IR 3.5HD

NO.	FLAT FACE  8 SPLINE	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	7	12.7	1/2	105	4-1/8	IR35HD-105FF-2832	45335

NO.	CONVEX  8 SPLINE	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	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CV-2827	45331
		FB	8	12.7	1/2	6	12.7	1/2	95	3-3/4	IR35HD-95CVB-2828	45330
		HEM	8	12.7	1/2	7	12.7	1/2	100	3-15/16	IR35HD-100CV-2829	45333
		FB	8	12.7	1/2	7	12.7	1/2	100	3-15/16	IR35HD-100CVB-2830	45332
		FB	8	12.7	1/2	8	12.7	1/2	105	4-1/8	IR35HD-105CVB-2831	45334

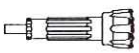

CARBIDE DESIGN SELECTION

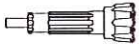



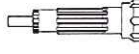

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
* Note: Some button bits may not be offered with a particular carbide design shown above.

**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.			
5			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	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


SHANK: 350R													
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.			
6			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	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CC-917	45212
			HEM / FB	8	14	9/16	8	12.7	1/2	115	4-1/2	340A-115CC-2834	45425
			HEM / FB	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 / FB	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 / FB	8	16	5/8	8	12.7	1/2	130	5-1/8	340A-130CC-2838	45437			
HEM	8	16	5/8	8	14	9/16	140	5-1/2	340A-140CC-1607	45214			


NO.	CONVEX	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA	
			No.	mm	In.	No.	mm	In.	mm	In.			
7			BAL	8	14	9/16	8	12.7	1/2	110	4-5/16	340A-110CVB-2760	45443
			FB	7	14	9/16	7	14	9/16	115	4-1/2	340A-115CVB-2835	45431
			BAL	9	12.7	1/2	11	12.7	1/2	127	5	340A-127CVB-2756	45074
			FB	9	14	9/16	12	12.7	1/2	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			


CARBIDE DESIGN SELECTION



Hemispherical


FA


(Semi) Ballistic


Multi - Dome


Conical

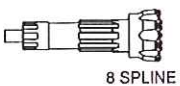
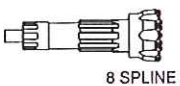

Ballistic

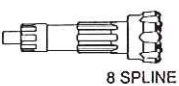
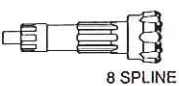
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
 * HEM / FB = Hemispherical Carbide on Gauge and Full Ballistic Carbide on Front
 * Note: Some button bits may not be offered with a particular carbide design shown above.

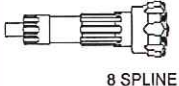
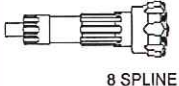
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



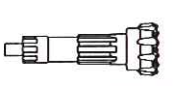
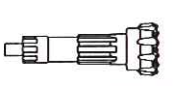
SHANK: 360, SF6 (8 carbide inserts on outside gauge row)

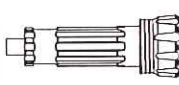
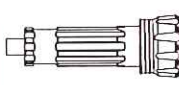
NO.	FLAT FACE  8 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
11	 8 SPLINE	HEM	8	16	5/8	8	16	5/8	152	6	360-152FF-1173	41297
		HEM	8	16	5/8	8	16	5/8	156	6-1/8	360-156FF-794	41206
		HEM	8	16	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 SPLINE	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	 8 SPLINE	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 SPLINE	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	 8 SPLINE	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

NO.	FLAT FACE  8 SPLINE	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	 8 SPLINE	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 SPLINE	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	 8 SPLINE	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

SHANK: 380		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
NO.	FLAT FACE  10 SPLINE	CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
16	 10 SPLINE	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

NO.	CONCAVE  10 SPLINE	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	 10 SPLINE	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

CARBIDE DESIGN SELECTION

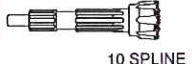
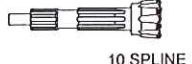
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide
 * Note: Some button bits may not be offered with a particular carbide design shown above.

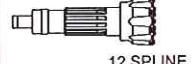
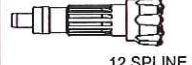
**DOWN-THE-HOLE (DTH) BITS
INGERSOLL-RAND - QL SERIES**



SHANK: QL4/QL40

NO.	FLAT FACE  10 SPLINE	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	 10 SPLINE	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

SHANK: QL5/QL50

NO.	FLAT FACE  12 SPLINE	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 SPLINE	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

CARBIDE DESIGN SELECTION

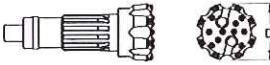
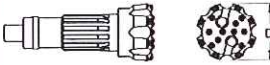




* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
* Note: Some button bits may not be offered with a particular carbide design shown above.

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



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



NO.	FLAT FACE  12 SPLINE	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 SPLINE	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  12 SPLINE	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 SPLINE	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	19	3/4	9	16	5/8	172	6-3/4	QL6-172CC-1278	45240



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

NO.	CONCAVE  12 SPLINE	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	 12 SPLINE	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  12 SPLINE	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	 12 SPLINE	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

NO.	CONCAVE  12 SPLINE	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	 12 SPLINE	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  12 SPLINE	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	 12 SPLINE	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 DESIGN SELECTION

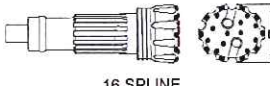



* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide
* Note: Some button bits may not be offered with a particular carbide design shown above.

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



SHANK: QL8/QL80

NO.	FLAT FACE  16 SPLINE	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	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

NO.	CONCAVE  16 SPLINE	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		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

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide
* 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  8 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
1		HEM	8	12.7	1/2	6	12.7	1/2	92	3-5/8	3015-92CV-2593	45282
		FB	8	12.7	1/2	6	12.7	1/2	92	3-5/8	3015-92CVB-2547	45281
		FB	9	12.7	1/2	6	12.7	1/2	93	3-11/16	3015-93CVB-2824	45301
		HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	3015-95CV-2368	45284
		FB	8	12.7	1/2	6	12.7	1/2	95	3-3/4	3015-95CVB-2594	45283
		FB	9	12.7	1/2	6	12.7	1/2	95	3-3/4	3015-95CVB-2826	45276



SHANK: 3415, SD4

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

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

SHANK: 4315, SD5

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

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

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



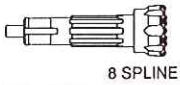
Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
* Note: Some button bits may not be offered with a particular carbide design shown above.

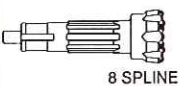
**DOWN-THE-HOLE (DTH) BITS
SANDVIK - MISSION**

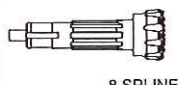


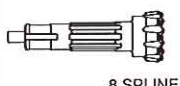
SHANK: 5315, SD6 (8 carbide inserts on outside gauge row)

NO.	FLAT FACE  8 SPLINE	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

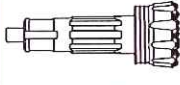
SHANK: 5315, SD6 (10 carbide inserts on outside gauge row)

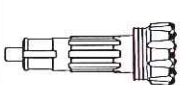
NO.	CONCAVE  8 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
7		HEM	8	16	5/8	9	16	5/8	152	6	5315-152CC-111	45012
		HEM	8	16	5/8	9	16	5/8	156	6-1/8	5315-156CC-901	45013
		HEM	8	16	5/8	9	16	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

NO.	FLAT FACE  8 SPLINE	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

NO.	CONCAVE  8 SPLINE	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	5315-165CC-1638	45018
		HEM	10	16	5/8	10	16	5/8	172	6-3/4	5315-172CC-1422	45019
		HEM	10	16	5/8	10	16	5/8	178	7	5315-178CC-1853	45043
		HEM	10	19	3/4	14	16	5/8	190	7-1/2	5315-190CC-1845	45025
		HEM	10	19	3/4	14	16	5/8	200	7-7/8	5315-200CC-2210	45027
		HEM	10	19	3/4	14	16	5/8	203	8	5315-203CC-1364	45020

SHANK: 6315, SD8

NO.	FLAT FACE  8 SPLINE	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
11		HEM	12	19	3/4	27	16	5/8	254	10	6315-254FF-955	45028

NO.	CONCAVE  8 SPLINE	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 DESIGN SELECTION





* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide
* 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 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
1	 8 SPLINE	FB	8	11	7/16	6	11	7/16	85	3-3/8	COP32-85CVB-2727	45133
		HEM	8	12.7	1/2	6	12.7	1/2	90	3-1/2	COP32-90CV-1787	45079
		FB	8	12.7	1/2	6	12.7	1/2	90	3-1/2	COP32-90CVB-1401	41248

SHANK: COP 34

NO.	FLAT FACE  8 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
2	 8 SPLINE	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 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
3	 8 SPLINE	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

CARBIDE DESIGN SELECTION

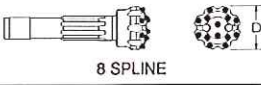


* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
 * Note: Some button bits may not be offered with a particular carbide design shown above.







**DOWN-THE-HOLE (DTH) BITS
ROCKMORE**



SHANK: DH500

NO.	CONCAVE  8 SPLINE	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	16	5/8	8	14	9/16	140	5-1/2	DH500-140CC-3084	45532-12
		HEM	8	16	5/8	8	16	5/8	146	5-3/4	DH500-146CC-3083	45533-12
		HEM	8	16	5/8	9	16	5/8	152	6	DH500-152CC-3220	45534-12

CARBIDE DESIGN SELECTION

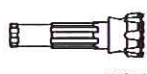
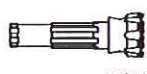
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
 * Note: Some button bits may not be offered with a particular carbide design shown above.

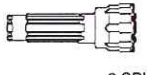
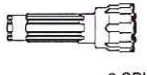
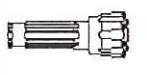
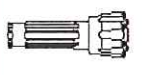
**DOWN-THE-HOLE (DTH) BITS
BULROC**



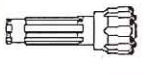
SHANK: BULROC 2, ROK 2LT

NO.	FLAT FACE  6 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
1	 6 SPLINE	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 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
2	 6 SPLINE	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
3	CONVEX  6 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
3	 6 SPLINE	FB	8	11	7/16	6	11	7/16	85	3-3/8	BUL3-85CVB-2822	41245
		FB	8	11	7/16	6	11	7/16	90	3-1/2	BUL3-90CVB-2743	41233
		FB	8	11	7/16	8	11	7/16	90	3-1/2	BUL3-90CVB-2823	41215
		HEM	8	12.7	1/2	6	12.7	1/2	90	3-1/2	BUL3-90CV-2742	41216
		FB	8	12.7	1/2	6	12.7	1/2	90	3-1/2	BUL3-90CVB-1875	41238
		HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	BUL3-95CV-2744	41237
		FB	8	12.7	1/2	6	12.7	1/2	95	3-3/4	BUL3-95CVB-1402	41234
		HEM	8	12.7	1/2	8	12.7	1/2	105	4-1/8	BUL3-105CV-2745	41239
		FB	8	12.7	1/2	8	12.7	1/2	105	4-1/8	BUL3-105CVB-1932	41232

SHANK: BULROC 33, ROK 3LT

NO.	CONVEX  7 SPLINE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	
			No.	mm	In.	No.	mm	In.	mm	In.	AUSTRIA	
4	 7 SPLINE	HEM	8	12.7	1/2	6	12.7	1/2	90	3-1/2	BUL33-90CV-2728	45463
		FB	8	12.7	1/2	6	12.7	1/2	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	12.7	1/2	6	12.7	1/2	95	3-3/4	BUL33-95CV-2729	45459
		FB	8	12.7	1/2	6	12.7	1/2	95	3-3/4	BUL33-95CVB-2732	45460
		HEM	8	12.7	1/2	8	12.7	1/2	105	4-1/8	BUL33-105CV-2733	45461
		FB	8	12.7	1/2	8	12.7	1/2	105	4-1/8	BUL33-105CVB-2741	45462


CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
<ul style="list-style-type: none"> * HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide; CON = Conical Carbide * HEM / BAL = Hemispherical Carbide on Gauge and Semi Ballistic Carbide on Front * HEM / FB = Hemispherical Carbide on Gauge and Full Ballistic Carbide on Front * Note: Some button bits may not be offered with a particular carbide design shown above. 					

DOWN-THE-HOLE (DTH) HAMMERS



DTH HAMMER ROCK DRILL OIL

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

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: 70 mm - 76 mm 2-3/4" - 3"	ROK 2LT	42021
	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: 90 mm - 95 mm 3-1/2" - 3-11/16"	ROK 3LT	42026
	OPERATING AIR PRESSURE: 6 - 10 (BAR) 87 - 145 (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: 88 mm - 105 mm 3-15/32" - 4-1/8"	ROK 300-001	50020
	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: 88 mm - 105 mm 3-15/32" - 4-1/8"	ROK 300-002	50021
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 300 CUBEX #21 PIN WITH SPLINE 	BIT SHANK STYLE:	PART NUMBER	
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 88 mm - 105 mm 3-15/32" - 4-1/8"	ROK 300-003	50022
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		







DOWN-THE-HOLE (DTH) HAMMERS



		<i>Integrated SonicFlow Technology</i>	
		PART NUMBER	
ROK 350 2-3/8" API REG PIN 	BIT SHANK STYLE:		
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	ROK 350-001	50030
ROK 350 2-3/8" API REG PIN Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE:		
	IR 3.5 HD	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	ROK 350-002	50031
ROK 350 2-3/8" API REG BOX 	BIT SHANK STYLE:		
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	ROK 350-003	50032
ROK 350 2-3/8" API REG BOX Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE:		
	IR 3.5 HD	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	ROK 350-004	50033
ROK 350 CUBEX #21 PIN WITH SPLINE 	BIT SHANK STYLE:		
	IR 3.5 MISSION XL 3	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	ROK 350-005	50034
ROK 350 CUBEX #21 PIN WITH SPLINE Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE:		
	IR 3.5 HD	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	ROK 350-006	50035

DOWN-THE-HOLE (DTH) HAMMERS





ROK 400		<i>Integrated SonicFlow Technology</i>	
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 4-5/16" - 4-7/8"		
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 4-5/16" - 4-7/8"		
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 4-5/16" - 4-7/8"		
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" - 5-1/2"		
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 4-5/16" - 4-7/8"		
OPERATING AIR PRESSURE:			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 400 CUBEX #24 PIN WITH SPLINE 	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 4-5/16" - 4-7/8"		
OPERATING AIR PRESSURE:			
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		



DOWN-THE-HOLE (DTH) HAMMERS



ROK 500 *Integrated SonicFlow Technology*

ROK 500 3-1/2" API REG PIN	BIT SHANK STYLE: INGERSOLL-RAND QL5/QL50	PART NUMBER	
		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500-001	50050
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		
	ROK 500 3-1/2" API REG PIN Top Sub With Back Reaming Buttons		
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500-003	50052
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 500Q *Integrated SonicFlow Technology*

ROK 500Q 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Lower Air Volume	BIT SHANK STYLE: INGERSOLL-RAND QL5/QL50	PART NUMBER	
		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500Q-001	50053
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		
	ROK 500Q 3-1/2" API REG PIN Lower Air Volume		
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500Q-003	50055
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 500A *Integrated SonicFlow Technology*





ROK 500A 3-1/2" API REG PIN Lower Air Consumption	BIT SHANK STYLE: INGERSOLL-RAND QL5/QL50	PART NUMBER	
		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500A-001	50155
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 500DH (DEEP HOLE SERIES) *Integrated SonicFlow Technology*

ROK 500DH 3-1/2" API REG PIN with Bit Retention System	BIT SHANK STYLE: ROCKMORE DH500	PART NUMBER	
		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500DH-001	50150
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 600Q		<i>Integrated SonicFlow Technology</i>	
ROK 600Q 2-7/8" API REG PIN 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 155 mm - 178 mm 6.1" - 7"	ROK 600Q-006	50063
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600Q 2-7/8" API REG PIN Top Sub With Back Reaming Buttons 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 155 mm - 178 mm 6.1" - 7"	ROK 600Q-007	50064
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600Q 3-1/2" API REG PIN 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 155 mm - 178 mm 6.1" - 7"	ROK 600Q-002	50061
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 600Q CUBEX #28 PIN WITH SPLINE 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 155 mm - 178 mm 6.1" - 7"	ROK 600Q-005	50062
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 600A		<i>Integrated SonicFlow Technology</i>	
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: 155 mm - 178 mm 6.1" - 7"	ROK 600A-001	50066
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 600W		<i>Integrated SonicFlow Technology</i>	
ROK 600W 3-1/2" API REG PIN Water-Well Applications 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 155 mm - 178 mm 6.1" - 7"	ROK 600W-001	50060
	OPERATING AIR PRESSURE: 8.3 - 22.8 (BAR) 120 - 330 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS





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

ROK 650Q		Integrated SonicFlow Technology	
ROK 650Q 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE: INGERSOLL-RAND QL6/QL60	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 165 mm - 178 mm 6.5" - 7"	USA ROK 650Q-001	AUSTRIA 50070
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 650Q 3-1/2" API IF PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE: INGERSOLL-RAND QL6/QL60	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 165 mm - 178 mm 6.5" - 7"	USA ROK 650Q-005	AUSTRIA 50071
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 650Q CUBEX #28 PIN WITH SPLINE Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE: INGERSOLL-RAND QL6/QL60	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 165 mm - 178 mm 6.5" - 7"	USA ROK 650Q-007	AUSTRIA 50073
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 650A		Integrated SonicFlow Technology	
ROK 650A 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve Lower Air Consumption 	BIT SHANK STYLE: INGERSOLL-RAND QL6/QL60	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 165 mm - 178 mm 6.5" - 7"	USA ROK 650A-001	AUSTRIA 50075
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 800		Integrated SonicFlow Technology	
ROK 800 4-1/2" API REG PIN 	BIT SHANK STYLE: INGERSOLL-RAND QL8/QL80	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 200 mm - 254 mm 7-7/8" - 10"	USA ROK 800-001	AUSTRIA 50080
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

DOWN-THE-HOLE (DTH) HAMMERS



ROK 875		<i>Integrated SonicFlow Technology</i>	
ROK 875 4-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL8/QL80	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 215 mm - 254 mm 8-1/2" - 10"	ROK 875-001	50090
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

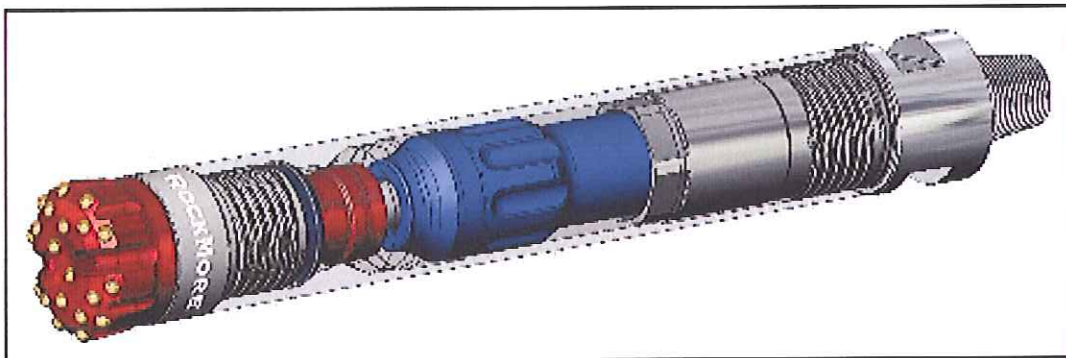


ROCKMORE
INTERNATIONAL
Rock Drilling Tools

Press Release

Introducing the ROK - Rockmore's High Performance DTH Hammer using SonicFlow Technology

Rockmore International introduces the newest generation **ROK** hammer, *patent pending*; a new and improved design of DTH hammers (Down the Hole), using **SonicFlow Technology**. Engineers at Rockmore have invested substantial time developing and testing this new technology which strongly increases airflow efficiency within the **ROK** hammer and ensures that the high pressure air paths are optimized to deliver the greatest amount of energy to the piston. Rockmore has also reduced the number of components used in the design of the **ROK** hammer itself, while still producing greater impact energy to the bit, higher penetration rates, and an overall better hammer performance.



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