IADC CLASSIFICATION OF KINGDREAM BITS

Bit type	Formation			1	2	4		5		6		7				
	Series	Lithology	Classi-fication	Non-sealed roller bearing	Air cooled roller bearing	Sealed roller bearing		Sealed roller bearing / gage protection		Sealed journal bearing		Sealed bearing / gage protection				
						Metal face seal	Rubber O ring seal	Metal face seal	Rubber O ring seal	Metal face seal	Rubber O ring seal	Metal face seal	Rubber O ring seal	Metal face seal	Rubber O ring seal	Metal face seal
												Journal	bearing	Floating	bearing	Roller-journal bearing
Steel tooth	1	Soft	1	SKW111			GA114	GJT115G	GA115GC SKG115		HA116G	HJT117CGL	SWT117C HA117	MD117		SMD117C
			2	SKW121			GA124G	GJT125GL	GA125G SKG125		HA126G	HJT127CGL	SWT127C HA127			
			3	SKW131			GA134	GJT135GC	GA135C SKG135	HJ136	HA136G	HJT137GC	HA137GL			SMD137C
			4													
	2	Medium hard	1				GAT214		GA215 SKG215		HA216	HJT217GL	HA217G			
			2						SKG225							
			3						SKG235							
			4													
	3	Hard	1						SKG315		HA316		HA317G			
			2													
			3													
			4													
Insert bit	4	Soft	1					GJT415G	GA415G			HJ417GL	HA417GC			SMD417
			2						GA425				HA427G YC427			
			3					GJT435G	GA435C			HJ437G	HA437G YC437	MD437	SKF437G	SMD437X
			4					GJT445GC	GA445G			HJT447G	HA447G	MD447	SKF447G	SMD447
	5	Soft to medium hard	1					GJT515GC	GAT515L SKG515GK			HJT517G HF517HV	HAT517G SKH517GK YC517	MD517X	SKF517G	SMD517EX
			2					GJT525GC	GA525Y			A527G HJ527G	HA527G YC527	MD527		
			3					GJT535GH	GA535GYC SKG535GK			HF537H HJ537G A537CGK	HA537GC SKH537GK YC537	MD537X MD537HX		SMD537EX
			4					GJT545	GA545GYC			HF547H HJ547G A547CGY	HA547GLY	MD547Y		SMD547EX
	6	Medium hard	1					GJT615GH HF615H	GAS615GYC			HF617H HJ617G/Q617CGY	HA617GL SKH617G	MD617 MD617Y		SMD617EX
			2					GJT625GHC HF625H33	GAT625GC			A627CGY HF627Y	HA627GY	MD627Y MD627		
			3					GJT635GH	GAT635GHY			HF637H HJ637G	HA637GLY YC637	MD637HDX MD637HDY		
			4									HF647HY	HA637GLY	MD647HDY		
	7	Hard	1													
			2										HA727GH			
			3									HF737HY HJ737GHL	HA737GY			
			4													
	8	Extremely hard	1													
			2									HF827H	HA827GY			
			3									HF837HY	HA837GY			
			4													