

Tricone Drill Bit IADC Classification



Series	Formations	Type	1	4	5		6	7			Sealed geothermal	
			Standard roller bearing	Sealed roller bearing	Sealed roller bearing gauge protection		Sealed friction bearing	Sealed friction/gauge protection				
					Elastomer	Metal	Elastomer	Air	Elastomer	Metal		
Steel tooth	1	Soft	1	RC111	GTX-1, RC114	VG-1, GTX-G1, RC115	VM-1, MX-1		VG-1, STX-1, RC117	VM-1, MX-1		
			2	RC121	RC124	RC125		RC126		RC127		
			3	RC131	GTX-3	VG-3, RC135	VM-3, MX-3	RC136		VG-137	VM-3, MX-3	
			4									
	2	Medium	1	RC211		RC215	VM-2	RC216		RC217		
			2									
			3			RC235		RC236		RC237		
			4									
	3	Hard	1									
			2	RC321								
			3									
			4							RC347		
Tungsten carbide tooth	4	Soft	1			VG-03, VG-03M, VGA-02, VGA-02M, GTX-03, GTX-03H	VMA-02, VMA-02M, MX-00, MX-03	RC416		VGA-03, GX-00, GX-03, GX-03H	VMA-03, MXB-00, MX-03, MXB-03, MX-05	
			2									
			3			VGA-09, VG-09, VGA-10G, VGA-10M, VGA-11M, GTX-09, GTX-09H, GTX-11H	VM-11HM, VMA-10M, VMA-11MH, MX-09, MX-09G, MX-09H, MX-11H			GX-09, STX-09, GX-09C, STX-09C, GX-09H, STX-09H, GX-09M, GX-11, GX-11C, GX-11M	VMA-09, VMD-11, VMD-11G, MX-09, MXB-09, MX-09G, MX-09H, MXB-09H, MX-09C, MX-09CG, MX-11	
			4			GTX-11C, GTX-11CH, GTX-12H, GTX-18	MX-11CH, MX-18, MX-18H, MX-18CH			VGA-18, GX-18, STX-18, GX-18H, STX-18H, GX-18C	VM-18, VMA-18, VMD-18H, MX-18, MX-18H, MX-18C, MXB-18C, MX-18CH	
	5	Soft medium	1			VG-22, GTX-20, GTX-20H, GTX-22	MX-20, MX-20G, MX-20H			VG-20M, VGD-20, GX-20, STX-20, STX-20G, GX-20H, STX-20H, GX-20M, GX-22, GX-22M, GX-22S, GX-23, GX-25	VM-20, VMA-20, VMA-20M, VMD-20, VMD-22S, MX-20, MXB-20, MX-20G, MX-20H, MX-22	VMG-20
			2			VG-28G, GTX-28	MX-28		VG-28A	VG-28, VGD-25, VGD-25S, VGD-26, VGD-28, GX-20C, STX-20C, GX-20CH, GX-28, GX-28C	VMD-25, VMD26, VMD-28, VMD-29, MX-20CH, MX-28, MX-28G	
			3			VG-30, VG-30HM, GTX-30, GTX-30H, GTX-33	MX-30H, MX-33		VG-30A	VG-30, VGD-30H, VGD-30S, VGD-34, STX-30, STX-30H, GX-30, GX-30G, GX-30M, GX-30S	VMD-33, MX-30, MX-30G, MXB-30G, MX-30H	VMG-30
			4			GTX-30C, GTX-33				VG-30C, VG-35, VG-35C, VGD-35, VG-38C, VG-38CH, VGD-38CH, STX-30C, STX-30CG, GX-30C, GX-33, GX-35, STX-35, GX-38C, GX-38CH	VMD-38C, MX-35, MX-35CG, MX-35M, MX-38C	VMG-35C, VMG-35CG
	6	Medium	1						VG-40A	VGD-40, VGD-44G, GX-44, GX-44G	VM-44G, MX-40C, MX-40G, MX-44G	VXG-44 [612]
			2				VM-40C, VM-44C, MX-44C		VG-44C, VG-45C, STX-40C, GX-44C, STX-44C, GX-45	VM-44C, MX-40C, MX-40CG, MXB-40CG, MX-44C, MX-44CH	VMG-44C, VXG-44C [622]	
			3				MX-55			VG-50, VG-55M, VGD-50RG, STX-50, STX-50R, GX-55, STX-55, GX-55RG	VMD-55, MX-50, MX-50R, MX-50RG, MX-55	VMG-55
			4							VG-66, VGD-66, GX-66, STX-66, GX-68	VM-66, VMD-68, MX-66, MX-68	VMG-68
	7	Hard	1									
			2									
			3									
			4							VG-70, STX-70		
8	Extra hard	1							STX-77			
		2							STX-88	VM-80		
		3							GX-89			
		4							VG-90M, STX-90, GX-95, GX-98M, STX-99			