

Manufacturer, Bit name/model number	IADC code	Size range, in.	Recommended WOB, lb/in. diameter	Recommended rotary speed, rpm	Special features/usage	Manufacturer, Bit name/model number	IADC code	Size range, in.	Recommended WOB, lb/in. diameter	Recommended rotary speed, rpm	Special features/usage	Manufacturer, Bit name/model number	IADC code	Size range, in.	Recommended WOB, lb/in. diameter	Recommended rotary speed, rpm	Special features/usage
XT34—XT39	545	14¾, 16, 17½, 20, 22, 24, 26, 28	3,000–7,000	40–220	GMW	STX-30	537	3¾, 3½, 4¼, 4½, 4¾, 5½, 5¾, 6, 6½, 6¾, 6½, 6¾	2,000–5,000	250–80	GHW	HJ517	517	7¾, 8¾, 8½, 9½, 12¼, 12½, 12¾, 17½	2,000–6,000	240–50	CGKL
Hughes Christensen																	
GT-20	517	7¾, 8½, 8¾, 9¾, 12¼, 17½	2,000–6,000	120–50	W	STX-30C	537	4¾, 4¾, 6, 6½, 6½	2,000–5,000	250–80	GHW	HJ517GX	517	9½, 12¼	2,000–6,000	240–50	GX
GT-20C	527	7¾, 8½, 12¼	2,000–6,000	120–50	WY	STX-35	547	4¾, 6½	2,000–5,000	250–80	GHW	HJ527	527	8½, 17½	2,000–6,000	240–50	CGLY
GT-20S	517	8¾	2,000–6,000	120–50	W	XL-30A	547	6¼, 7¾, 8½, 11	3,000–6,000	180–40	AC	HJ527GJL	527	8¾	2,000–6,000	240–50	GJL
GT-28	527	7¾, 12¼	2,000–5,000	110–40	W	Kingdrem Public Limited Company						HJ537	537	8¾, 8½, 9¾, 9¾, 12¼, 12¼, 12¾, 12¾	2,800–6,000	220–40	CGL
GT-28C	527	7¾, 11, 12¼	2,000–5,000	110–40	W	FJ517	517	8½, 9½, 12¼	2,000–6,000	300–60	CGL						
GT-30	537	7¾, 8¾, 9½, 9¾	2,000–5,000	110–40	W	FJ517GX	517	9½	2,000–6,000	300–60	GX	HJ547	547	8¾, 12½	2,800–6,000	220–40	CG
GT-30C	547	8½	2,000–5,000	110–40	W	FJ547GY	547	12½	2,000–6,000	300–60	GY	HJ5517	517	12¼	2,000–6,000	240–50	CGL
GT-30H	547	8½	2,000–6,000	120–50	W	FJ5517GL	517	8½	2,000–6,000	300–60	GL	HJ5527	527	8½	2,000–6,000	240–50	GL
GTX-20	515	17½, 22, 24, 26	3,000–5,500	120–40	Y	FJT517	517	8½, 11½, 12¼, 11½, 12¼	2,000–6,000	300–60	GL	HJ5537	537	8½, 12¼	2,800–6,000	220–40	GL
GTX-20C	525	16	3,000–5,500	120–40	Y	FJT527	527	8½, 11½	2,000–6,000	300–60	GL	HJ5547GL	547	8½	2,800–6,000	220–40	GL
GTX-20G	527	23	3,000–5,500	120–40	Y	FJT537	537	8½, 11½	2,000–6,000	300–60	CGL	HJT517	517	8¾, 8½, 8¾, 9½, 10¾, 12¼, 12¾, 13¾	2,000–6,000	240–50	CGL
GTX-22	527	20	3,000–5,500	120–40	Y	FJT547	547	8½	2,000–6,000	300–60	CGLY						
GTX-30C	545	8½	3,000–5,500	120–40	Y	FJTS517	517	8½, 12¼	2,000–6,000	300–60	G						
GTX-30H	545	17½	3,000–5,500	120–40	Y	GA515	515	13¾, 16, 17½	1,500–4,500	200–80	CGL	HJT527	527	8½, 12¼	2,000–6,000	240–50	G
GTX-33	545	17½	3,000–5,500	120–40	Y	GA525	525	17½	1,600–4,500	200–80	GY	HJT537	537	8¾, 9½, 12¼, 12¾, 12¾, 12¾, 13¾	2,800–6,000	220–40	GL
GX-20	527	7¾, 8¾, 9¾, 12¼	1,000–6,000	220–40	BGMW	GA535	535	11½, 12¼, 14¾, 17½	2,000–4,500	200–80	CGY						
GX-20C	527	7¾, 8¾	1,000–6,000	220–40	BGMW							HJT537GH	537	8¾, 8½, 12¼	2,800–6,000	220–40	GL
GX-20H	527	12¼	1,000–6,000	220–40	BGMW	GA545	545	12¼, 14¾, 17½	2,000–4,500	200–80	CGY	HJT537GX	537	12¼	2,800–6,000	220–40	GX
GX-22	527	7¾, 8¾	1,000–6,000	220–40	BGMW	GAT515	515	8½, 13¾, 14¾, 17½	1,500–4,500	200–80	CGL	HJT547	547	8½, 9½, 12½, 12¾, 12¾	2,800–6,000	220–40	GLY
GX-22S	527	7¾, 8½, 8¾	1,000–6,000	220–40	BGMW												
GX-23	527	7¾	1,000–6,000	220–40	BGMW	GAT535	535	13½, 13¾, 14¾, 16, 17½	2,000–4,500	200–80	CG						
GX-25	527	7¾	1,000–6,000	220–40	BGMW							HJT547GHY	547	8½	2,800–6,000	220–40	GLY
GX-28	527	7¾, 8½, 8¾, 12¼	1,000–6,000	220–40	BGMW	GJ515	515	16, 17½	1,500–4,500	300–80	CGLY	MD515	515	14¾, 17½	1,500–4,500	300–80	
GX-30	537	7¾, 8½, 8¾	1,000–6,000	220–40	BGMW	GJ535	535	16, 17½	2,000–4,500	280–80	CGL	MD517	517	6, 6¼, 6½, 7¾, 8½, 8¾, 9½, 11, 12¼	2,000–6,000	300–60	GL
GX-30C	537	7¾, 8¾	1,000–6,000	220–40	BGMW	GJS545	545	17½	2,000–4,500	280–80	CGY						
GX-30S	537	8¾	1,000–6,000	220–40	BGMW	GJT515	515	8½, 16, 17½	1,500–4,500	300–80	CG	MD517HX	517	6, 6¼, 6½, 7¾, 8½, 8¾, 9½, 11, 12¼	2,000–6,000	300–60	GLMX
GX-35	547	7¾, 8¾	2,000–6,000	120–50	GW	GJT535	535	8½	2,000–4,500	280–80							
GX-38	547	7¾	2,000–6,000	120–50	GW	GJT535GH	535	16	2,000–4,500	280–80	G	MD517JX	517	8¾, 8¾	2,000–6,000	300–60	GJLMX
GX-38C	547	7¾, 8¾	2,000–6,000	120–50	GW	GJT545	545	8½	2,000–4,500	280–80		MD527	527	6, 6¼, 6½, 7¾, 8½, 8¾, 9½, 11, 12¼	2,000–6,000	300–60	GLM
GX-38CH	547	7¾, 8½, 8¾, 12¼	2,000–6,000	120–50	GW	HA517	517	4½, 4¾, 4¾, 4¾, 5½, 6, 6¼, 6¼, 6¾, 7¾, 7¾, 8¾, 8½, 8¾, 9½, 9½, 10½, 11, 12, 12½, 12¼, 12¾	2,000–6,000	120–50	CGL	MD535	535	14¾, 17½	2,000–4,500	280–80	CGLM
GXD-20	517	7¾, 8¾	2,000–6,000	120–50	W							MD537	537	6, 6¼, 6¼, 7¾, 8½, 8¾, 9½, 9¾, 10¾, 11, 12¼	2,000–6,000	300–60	GLMX
GXD-25S	527	8¾	2,000–6,000	120–50	W												
GXD-28	527	7¾, 8½, 8¾, 12¼	1,000–6,000	220–40	BGMW												
GXD-30	537	8¾	1,000–6,000	220–40	BGMW												
GXD-30S	537	8¾	1,000–6,000	220–40	BGMW												
GXD-38CH	547	7¾, 8½, 8¾, 12¼	1,000–6,000	120–50	GW	HA517GJX	517	9½	2,000–6,000	120–50	GJX						
GXM-20	517	8¾	1,000–6,000	220–40	BGMW	HA527	527	5½, 6, 6½, 7¾, 8¾, 8½, 8¾, 9¾, 11, 12¼	2,000–6,000	120–50	CGLY						
HR-30C	537	7¾, 8½, 8¾, 11, 12¼	2,000–6,000	120–50	GW												
HR-38C	547	7¾, 8½, 8¾, 9¾	2,000–6,000	120–50	GW	HA527GJ	527	7¾, 8¾	2,000–6,000	120–50	GJLY						
HR-38CH	547	7¾, 8¾	2,000–6,000	120–50	GW	HA537	537	4¾, 4¾, 5½, 5¾, 6, 6¼, 6½, 7¾, 7¾, 8¾, 8½, 8¾, 9¾, 9¾, 9¾, 10¾, 11, 12, 12½, 12¼, 12¾	2,800–6,000	110–40	GLY	Q537	537	8½, 12¼	2,000–4,000	120–50	ACG
HX-30	537	7¾, 8½, 8¾	1,000–6,000	220–50	EGW							Q547	547	12¼	1,500–4,000	120–50	ACG
MX-20	527	6¼, 8¾, 8¾, 9¾, 9¾, 10½, 12, 12¼, 17½	1,000–6,000	220–40	BGMW							Q547H	547	8½	1,500–4,000	120–50	ACG
												ZJT547E	547	8½	2,500–3,500	400–180	GLX
NOV ReedHycalog																	
MX-20/20H	527	6, 6½, 6½, 7¾, 8½, 8¾, 9¾, 14½, 17½	1,000–6,000	220–40	BGMW	HA537GHL	537	8¾	2,800–6,000	110–40	GL	EMS51A	515	16, 17½	2,000–3,500	450–60	CGMNY
MX-20C	527	8½, 9½, 14¾	1,000–6,000	220–40	BGMW	HA537GX	537	9½, 12¼	2,800–6,000	110–40	GX	EMS51H	515	14, 14½, 15½	2,000–3,500	450–60	CGMNY
MX-20G	527	8¾, 8½, 8¾, 10¾, 12¼	1,000–6,000	220–40	BGMW	HA547	547	4¾, 4¾, 5½, 5¾, 6, 6¼, 6¼, 6¾, 6¾, 7¾, 7¾, 8¾, 8½, 8¾, 9¾, 10¾, 11, 12¼	2,800–6,000	110–40	CGLY	EMS53	535	17½	2,000–3,500	450–60	CGMNY
MX-22	527	12¼, 16	1,000–6,000	220–40	BGMW							EMS53A	535	15½, 17½	2,000–3,500	450–50	CGMNY
MX-28	527	7¾, 8¾, 9½, 12, 12¼, 14¾	1,000–6,000	220–40	BGMW	HA547GHLY	547	8	2,800–6,000	110–40	GLY	ETS53A	535M	11¾	2,000–5,000	450–50	CGMNY
MX-30	537	6, 6¼, 6¼, 6½, 7¾, 8¾, 8½, 9¾, 11½, 17½	1,000–6,000	220–40	BGMW	HAS517	517	6	2,000–6,000	120–50	CGL	JA53	537A	7¾	2,000–6,000	90–50	AGX
						HAS527	527	7¾	2,000–6,000	120–50	GL	R19A	517	7¾	2,000–5,000	200–60	
MX-30C	537	8¾	1,000–6,000	220–40	BGMW	HAS537	537	6½, 7¾, 8½	2,800–6,000	110–40	GLY	R20A	517	8¾, 8½, 8¾, 9¾, 11, 12¼	2,000–5,000	200–60	XW
MX-30G	537	8¾, 8½, 8¾, 9½, 11½, 12¼	1,000–6,000	220–40	BGMW	HAS-537GHL											
						HAS547	547	6½, 7¾, 8¾	2,800–6,000	110–40	GLY	R21A	517	7¾, 8¾	2,000–5,000	200–60	XW
MX-30H	537	8½, 12¼, 17½	1,000–6,000	220–40	BGMW	HAT517	517	4¾, 4¾, 5½, 5¾, 5¾, 6, 6¼, 6¼, 6¾, 6¾, 7¾, 7¾, 8¾, 8½, 8¾, 9¾, 10¾, 11, 12¼	2,000–6,000	120–50	CGL	R22A	517	4¾, 5½, 5¾, 6, 6½, 6¼, 6½, 6¾, 7¾, 8¾, 8½, 8¾, 9¾, 12¼	2,000–5,000	200–60	XW
MX-35	547	6½, 6¼	1,000–6,000	220–40	BGMW												
MX-35C	547	8½, 12	1,000–6,000	220–40	BGMW												
MX-35CG	547	8¾, 8½, 12¼	1,000–6,000	220–40	BGMW												
MX-38C	547	9¾	1,000–6,000	220–40	BGMW												
MXL-20	517	8¾, 8½, 8¾, 9¾, 12¼, 14¾, 16, 17½, 18½	1,000–6,000	220–40	BGMW	HAT527	527	5½, 7¾, 8½, 8¾, 9¾, 11, 12¼	2,000–6,000	120–50	CGLY	R23A	517	8¾	2,000–5,000	200–60	XW
						HAT527GJY	527	7¾, 8½, 8¾	2,000–6,000	120–50	GJLY	R24A	527	7¾, 8½, 8¾	2,000–5,500	180–50	XW
MXL-28	537	8½, 8¾, 9¾, 12¼, 14¾, 16, 17½	1,000–6,000	220–40	BGMW	HAT527GX	527	12¼	2,000–6,000	120–50	GX	R25A	527	7¾, 8¾, 8½, 9¾	2,000–5,500	180–50	XW
MXL-28C	537	8½, 8¾, 9¾, 12¼, 14¾, 16, 17½	1,000–6,000	220–40	BGMW	HAT537	537	4½, 4¾, 4¾, 4¾, 5½, 5¾, 5¾, 5¾, 6, 6¼, 6¼, 6¾, 6¾, 7¾, 8¾, 8½, 8¾, 9¾, 10¾, 12, 12¼	2,800–6,000	110–40	GLY	R26A	527	8¾	2,000–5,500	180–50	XW
MXL-30	537	8½, 8¾, 9¾, 12¼, 14¾, 16, 17½	1,000–6,000	220–40	BGMW							R27	527	7¾	2,000–5,500	180–50	XW
						HAT547	547	4½, 5½, 5½, 5¾, 5¾, 6, 6¼, 6½, 6¾, 6¾, 7¾, 8¾, 8½, 8¾, 9¾, 10¾, 12, 12¼	2,800–6,000	110–40	CGLY	R28A	527	7¾, 8¾	2,000–5,500	180–50	XW
MXL-31	437	8½, 8¾, 9¾, 12¼, 14¾,															