

## PREMIUM POWER

Altitude's CLAW premium power sections offer the highest flow rates and torque in the industry. Each tool size has multiple options that offer speed ranges designed to optimize Rates of Penetration by matching the desired bit type and rpm to target formations.

CLAW power sections are available in a variety of elastomers that are suited for individual applications and compatibility with drilling fluids, temperatures and differential pressures.

The Even Wall (EW) series utilize metal profile stators that maintain rpm and torque under the highest of differential pressures.

The XT (Xtra Torque) series utilize advanced elastomers to generate high torque capacity while the XF (Xtra Flow) series are for applications where high flow rates are the norm.



Size (mm)	Power Section	Min. Flow (m <sup>3</sup> /min)	Max. Flow (m <sup>3</sup> /min)	Bit Speed Ratio (rev/L)	Max. Differential Pressure (kPa)	Torque Ratio (Nm/kPa)	Max. Torque (Nm)
5.00 (127)	CLAW 500 (EW)	150 (0.57)	350 (1.33)	0.500 (0.132)	1,520 (10,480)	5.520 (0.17)	8,390 (11,376)
5.00 (127)	CLAW 640 (EW)	200 (0.76)	400 (1.52)	0.640 (0.169)	2,440 (16,823)	4.770 (0.058)	11,639 (15,780)
5.00 (127)	CLAW 700 (XT)	150 (0.57)	350 (1.32)	0.7000(0.185)	2,296 (15,830)	3.631(0.714)	8,337(11,303)
5.00 (127)	CLAW 850 (XT)	175(0.66)	400 (1.51)	0.850 (0.225)	2,520 (17,375)	3.600(0.708)	9072 (12,300)
5.00 (127)	CLAW 1000 (EW)	150 (0.57)	350 (1.33)	1.000 (0.264)	2,490 (17,168)	2.570 (0.092)	6,399 (8,676)
5.25 (133)	CLAW 650 (XF)	150 (0.57)	400 (1.52)	0.650 (0.172)	2,328 (16,051)	3.860 (0.108)	8,986 (12,183)
5.62 (143)	CLAW 650 (XF)	150 (0.57)	400 (1.52)	0.650 (0.172)	2,328 (16,051)	3.860 (0.108)	8,986 (12,183)
5.62 (143)	CLAW 650 (EW)	150 (0.57)	400 (1.52)	0.650 (0.172)	3,325 (22,925)	3.860 (0.444)	12,835 (17,401)
6.50 (165)	CLAW 410 (HS)	500 (1.89)	700 (2.65)	0.410 (0.108)	1,701 (11,728)	6.357 (0.077)	10,813 (14,661)
7.00 (178)	CLAW 150 (XT)	400 (1.52)	700 (2.65)	0.150 (0.040)	1,354 (9,336)	17.600 (0.064)	23,830 (32,310)
7.00 (178)	CLAW 350 (EW)	300 (1.14)	600 (2.27)	0.350 (0.092)	2,080 (14,341)	8.890 (0.076)	18,491 (25,071)
7.00 (178)	CLAW 400 (HS)	300 (1.14)	700 (2.65)	0.400 (0.106)	1,974 (13,610)	5.978 (0.066)	11,801 (15,999)
7.25 (184)	CLAW 250 (XT)	325 (1.23)	750 (2.84)	0.250 (0.066)	2,324 (16,023)	9.850 (0.132)	22,891 (31,037)

Custom design configurations can be built on request.