



Hydraulics Sales & Service

AUGER CALCULATIONS			0 DEG		45 DEG		
AUGER SCREW DIA	AUGER SPEED RPM	Cu M/ HOUR	TORQUE/ METRE	KW/ METRE	Cu M/ HOUR	TORQUE/ METRE	KW/ METRE
13 INCH	200.00	113.00	26.499	0.5550	113.00	63.891	1.3381
	300.00	170.00	26.529	0.8359	170.00	63.920	2.0140
	400.00	226.00	26.558	1.1125	226.00	63.950	2.6787
	500.00	283.00	26.588	1.3946	283.00	63.980	3.3559
14 INCH	200.00	141.50	33.103	0.6951	141.50	79.804	1.6757
	300.00	212.00	33.142	1.0427	212.00	79.843	2.5119
	400.00	282.50	33.182	1.3911	282.50	79.883	3.3490
	500.00	353.00	33.220	1.7403	353.00	79.923	4.1867
15 INCH	200.00	174.00	40.722	0.8549	174.00	98.162	2.0608
	300.00	261.00	40.774	1.2840	261.00	98.215	3.0928
	400.00	347.50	40.827	1.7117	347.50	98.267	4.1200
	500.00	434.00	40.879	2.1406	434.00	98.320	5.1483
16 INCH	200.00	211.00	49.430	1.0369	211.00	119.141	2.4992
	300.00	316.00	49.497	1.5550	316.00	119.209	3.7449
	400.00	421.50	49.566	2.0770	421.50	119.277	4.9981
	500.00	526.70	49.634	2.5989	526.70	119.325	6.2491
17 INCH	200.00	252.70	59.299	1.2420	252.70	142.915	2.9933
	300.00	379.10	59.386	1.8660	379.10	143.002	4.4932
	400.00	505.40	59.472	2.4912	505.40	143.088	5.9938
	500.00	631.70	59.559	3.1183	631.70	143.175	7.4962
18 INCH	200.00	300.00	70.403	1.4747	300.00	169.660	3.5538
	300.00	450.00	70.512	2.2155	450.00	169.769	5.3341
	400.00	600.00	70.621	2.9586	600.00	169.870	7.1167
	500.00	750.00	70.730	3.7039	750.00	169.987	8.9016
19 INCH	200.00	353.00	82.815	1.7355	353.00	199.551	4.1894
	300.00	530.00	82.951	2.6061	530.00	199.686	6.2736
	400.00	705.60	83.086	3.4805	705.60	199.821	8.3705
	500.00	882.00	83.221	4.3577	882.00	199.957	10.4702
20 INCH	200.00	412.00	96.609	2.0260	412.00	232.763	4.8813
	300.00	617.20	96.774	3.0402	617.20	232.929	7.3176
	400.00	823.00	96.941	4.0609	823.00	233.095	9.7646
	500.00	1029.00	97.107	5.0861	1029.00	233.262	12.2174
21 INCH	200.00	477.00	111.856	2.3460	477.00	269.472	5.6518
	300.00	715.00	112.058	3.5229	715.00	269.674	8.4781
	400.00	953.00	112.260	4.7040	953.00	269.876	11.3086
	500.00	1191.00	112.461	5.8894	1191.00	270.077	14.1434
22 INCH	200.00	550.00	128.632	2.7055	550.00	309.854	6.5172
	300.00	822.00	128.874	4.0514	822.00	310.095	9.7479
	400.00	1095.30	129.116	5.4083	1095.30	310.338	12.9999
	500.00	1370.00	129.360	6.7774	1370.00	310.582	16.2719