

**SPIROID 6.000" OD**

RATIO TO 1	OUTPUT SELECTION	Pinion Speed RPM											
		1	100	200	300	600	900	1,200	1,750	2,500	3,600	6,000	10,000
4 1/10	OUTPUT TORQUE (in lb)												
	OUTPUT TORQUE (Nm)												
	EFFICIENCY (%)												
6 1/8	OUTPUT TORQUE (in lb)												
	OUTPUT TORQUE (Nm)												
	EFFICIENCY (%)												
8 1/5	OUTPUT TORQUE (in lb)												
	OUTPUT TORQUE (Nm)												
	EFFICIENCY (%)												
10 1/4	OUTPUT TORQUE (in lb)	5,689	4,473	4,014	3,708	3,139	2,795	2,551	2,239	1,957	1,689		
	OUTPUT TORQUE (Nm)	643	505	454	419	355	316	288	253	221	191		
	EFFICIENCY (%)	73.6	81.4	83.5	84.7	86.9	88.2	89.0	90.0	91.0	91.8		
12 1/4	OUTPUT TORQUE (in lb)	6,476	4,990	4,446	4,088	3,433	3,040	2,765	2,415	2,103	1,807		
	OUTPUT TORQUE (Nm)	732	564	502	462	388	343	312	273	238	204		
	EFFICIENCY (%)	44.4	67.1	72.0	74.8	79.3	81.6	83.2	85.0	86.6	88.0		
14 2/3	OUTPUT TORQUE (in lb)	6,238	4,836	4,319	3,977	3,347	2,969	2,703	2,364	2,060	1,771		
	OUTPUT TORQUE (Nm)	705	546	488	449	378	335	305	267	233	200		
	EFFICIENCY (%)	65.4	74.7	77.4	79.0	81.8	83.4	84.5	85.9	87.2	88.3		
17 1/3	OUTPUT TORQUE (in lb)	8,646	6,515	5,759	5,268	4,379	3,855	3,491	3,032	2,626	2,245		
	OUTPUT TORQUE (Nm)	977	736	651	595	495	436	394	343	297	254		
	EFFICIENCY (%)	58.0	68.9	72.0	73.9	77.3	79.2	80.6	82.2	83.7	85.2		
21 1/2	OUTPUT TORQUE (in lb)	8,733	6,641	5,888	5,395	4,499	3,967	3,596	3,128	2,712	2,320		
	OUTPUT TORQUE (Nm)	987	750	665	610	508	448	406	353	306	262		
	EFFICIENCY (%)	54.7	65.6	68.8	70.8	74.4	76.5	77.9	79.8	81.4	83.0		
25 1/2	OUTPUT TORQUE (in lb)	8,771	6,664	5,903	5,406	4,502	3,966	3,592	3,121	2,703	2,310		
	OUTPUT TORQUE (Nm)	991	753	667	611	509	448	406	353	305	261		
	EFFICIENCY (%)	50.9	61.9	65.3	67.4	71.2	73.5	75.0	77.0	78.8	80.6		
31 1/2	OUTPUT TORQUE (in lb)	9,376	7,096	6,273	5,735	4,761	4,185	3,785	3,281	2,835	2,417		
	OUTPUT TORQUE (Nm)	1,059	802	709	648	538	473	428	371	320	273		
	EFFICIENCY (%)	45.6	56.8	60.3	62.5	66.6	69.1	70.8	73.0	75.0	77.0		
38	OUTPUT TORQUE (in lb)	9,609	7,137	6,262	5,697	4,684	4,093	3,685	3,177	2,731	2,316		
	OUTPUT TORQUE (Nm)	1,086	806	708	644	529	462	416	359	309	262		
	EFFICIENCY (%)	38.7	49.9	53.6	56.0	60.4	63.1	65.0	67.4	69.7	71.9		
47	OUTPUT TORQUE (in lb)	9,424	6,989	6,122	5,561	4,557	3,973	3,571	3,070	2,632	2,226		
	OUTPUT TORQUE (Nm)	1,065	790	692	628	515	449	403	347	297	252		
	EFFICIENCY (%)	34.4	45.2	48.8	51.2	55.7	58.4	60.4	63.0	65.4	67.8		
58	OUTPUT TORQUE (in lb)	9,914	7,314	6,384	5,784	4,714	4,094	3,669	3,142	2,684	2,261		
	OUTPUT TORQUE (Nm)	1,120	826	721	654	533	463	415	355	303	255		
	EFFICIENCY (%)	30.0	40.2	43.8	46.1	50.6	53.4	55.4	58.1	60.7	63.2		
71	OUTPUT TORQUE (in lb)	9,775	7,177	6,241	5,638	4,567	3,950	3,528	3,008	2,558	2,146		
	OUTPUT TORQUE (Nm)	1,104	811	705	637	516	446	399	340	289	242		
	EFFICIENCY (%)	26.3	35.8	39.2	41.5	45.9	48.7	50.7	53.5	56.1	58.7		
87	OUTPUT TORQUE (in lb)	10,360	7,541	6,521	5,866	4,710	4,049	3,602	3,052	2,580	2,151		
	OUTPUT TORQUE (Nm)	1,171	852	737	663	532	457	407	345	292	243		
	EFFICIENCY (%)	22.7	31.4	34.6	36.7	41.0	43.7	45.7	48.5	51.1	53.8		
106	OUTPUT TORQUE (in lb)	10,256	7,396	6,354	5,688	4,520	3,859	3,415	2,874	2,413	1,997		
	OUTPUT TORQUE (Nm)	1,159	836	718	643	511	436	386	325	273	226		
	EFFICIENCY (%)	19.6	27.5	30.5	32.5	36.5	39.1	41.1	43.8	46.4	49.1		

The data in the chart above represents theoretical performance values for a given size and ratio range at various speeds. These values are not intended to represent actual gear sets that Spiroid maintains in stock. While Spiroid does maintain an inventory of cutting tools, our customer's specific applications will determine whether 'Stock' or 'Custom' cutting tools are appropriate. For more information on this, please see our 'Inquiry-to-Quote' Process.

