

SPIROID 2.250" 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)	300	256	238	225	199	182	170	153	137	121	100	81
	OUTPUT TORQUE (Nm)	33.9	28.9	26.9	25.4	22.5	20.6	19.2	17.3	15.5	13.7	11.3	9.2
	EFFICIENCY (%)	70.4	76.7	78.7	80.0	82.3	83.7	84.7	86.0	87.2	88.3	89.8	91.1
12 1/3	OUTPUT TORQUE (in lb)	311	264	244	230	203	185	172	155	139	122	101	81
	OUTPUT TORQUE (Nm)	35.1	29.8	27.6	26.0	22.9	20.9	19.4	17.5	15.7	13.8	11.4	9.2
	EFFICIENCY (%)	65.4	72.4	74.6	76.1	78.8	80.4	81.6	83.1	84.4	85.8	87.5	89.1
14 2/3	OUTPUT TORQUE (in lb)	334	282	261	246	216	197	183	165	147	130	107	86
	OUTPUT TORQUE (Nm)	37.7	31.9	29.5	27.8	24.4	22.3	20.7	18.6	16.6	14.7	12.1	9.7
	EFFICIENCY (%)	61.3	68.7	71.1	72.7	75.6	77.4	78.7	80.4	81.9	83.4	85.4	87.2
17 1/2	OUTPUT TORQUE (in lb)	400	335	308	290	254	231	214	192	171	150	123	98
	OUTPUT TORQUE (Nm)	45.2	37.8	34.8	32.8	28.7	26.1	24.2	21.7	19.3	16.9	13.9	11.1
	EFFICIENCY (%)	55.8	63.7	66.4	68.2	71.4	73.4	74.9	76.8	78.5	80.3	82.5	84.6
21 1/2	OUTPUT TORQUE (in lb)	426	356	328	308	270	245	227	203	180	158	129	103
	OUTPUT TORQUE (Nm)	48.1	40.2	37.1	34.8	30.5	27.7	25.6	22.9	20.3	17.9	14.6	11.6
	EFFICIENCY (%)	50.7	58.9	61.7	63.5	67.0	69.2	70.8	72.9	74.8	76.8	79.3	81.7
25 1/2	OUTPUT TORQUE (in lb)	426	356	327	307	269	244	226	202	179	157	128	102
	OUTPUT TORQUE (Nm)	48.1	40.2	36.9	34.7	30.4	27.6	25.5	22.8	20.2	17.7	14.5	11.5
	EFFICIENCY (%)	46.8	54.9	57.8	59.7	63.3	65.6	67.3	69.5	71.6	73.7	76.5	79.1
31	OUTPUT TORQUE (in lb)	462	380	348	325	282	254	234	208	184	160	130	103
	OUTPUT TORQUE (Nm)	52.2	42.9	39.3	36.7	31.9	28.7	26.4	23.5	20.8	18.1	14.7	11.6
	EFFICIENCY (%)	39.0	47.3	50.3	52.3	56.2	58.7	60.5	62.9	65.3	67.6	70.8	73.8
38	OUTPUT TORQUE (in lb)	454	374	342	320	277	249	230	204	180	156	126	100
	OUTPUT TORQUE (Nm)	51.3	42.3	38.6	36.2	31.3	28.1	26.0	23.0	20.3	17.6	14.2	11.3
	EFFICIENCY (%)	35.0	42.9	45.8	47.8	51.7	54.2	56.1	58.6	61.0	63.5	66.9	70.2
47	OUTPUT TORQUE (in lb)	476	392	357	334	288	259	238	211	185	161	129	102
	OUTPUT TORQUE (Nm)	53.8	44.3	40.3	37.7	32.5	29.3	26.9	23.8	20.9	18.2	14.6	11.5
	EFFICIENCY (%)	30.6	38.0	40.8	42.7	46.6	49.1	50.9	53.5	56.0	58.6	62.2	65.6
58	OUTPUT TORQUE (in lb)	470	386	351	328	282	253	232	205	179	155	124	97
	OUTPUT TORQUE (Nm)	53.1	43.6	39.7	37.1	31.9	28.6	26.2	23.2	20.2	17.5	14.0	11.0
	EFFICIENCY (%)	26.7	33.6	36.2	38.1	41.7	44.2	46.0	48.6	51.1	53.7	57.5	61.1
71	OUTPUT TORQUE (in lb)	496	406	369	343	294	263	240	211	184	159	126	98
	OUTPUT TORQUE (Nm)	56.0	45.9	41.7	38.8	33.2	29.7	27.1	23.8	20.8	18.0	14.2	11.1
	EFFICIENCY (%)	23.1	29.3	31.8	33.5	37.0	39.4	41.2	43.7	46.2	48.8	52.5	56.3
87	OUTPUT TORQUE (in lb)												
	OUTPUT TORQUE (Nm)												
	EFFICIENCY (%)												
106	OUTPUT TORQUE (in lb)												
	OUTPUT TORQUE (Nm)												
	EFFICIENCY (%)												

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.

