

Gear #	No. Teeth	Gear Diameter (in)	Max Power Transmitted (hp)	Face Width (in)	Helix Angle (Degrees)	Normal Pressure Angle (Degrees)	Transverse Pressure Angle (Degrees)	Rotational Speed (rpm)	Torque (lb-in)	Number of Load Cycles / Revolution	Pitch Line Velocity (fpm)	Tangential Force (lb)	Radial Force (lb)	Axial Force (lb)	Normal Force (lb)	Hand of Helical Gears	Hand direction arbitrary, along parallel shafts hand direction between meshing gears must be opposite.
1	18	2.25	44	3	15	20	20.64689649	2700	1026.667	2	1590.431281	912.5925926	343.87375	244.52845	1005.42	Right	
5	36	4.5	16	3	15	20	20.64689649	1350	746.6667	1	1590.431281	331.8518519	125.045	88.919436	365.6071	Right	No Power Flow
2	54	6.75	24	3	15	20	20.64689649	900	1680	1	1590.431281	497.7777778	187.5675	133.37915	548.4107	Left	
8	18	2.25	20	3	15	20	20.64689649	2700	466.6667	1	1590.431281	414.8148148	156.30625	111.14929	457.0089	Right	
9	36	4.5	20	3	15	20	20.64689649	1350	933.3333	1	1590.431281	414.8148148	156.30625	111.14929	457.0089	Left	
10	18	2.25	20	3	15	20	20.64689649	1350	933.3333	1	795.2156404	829.6296296	312.6125	222.29859	914.0178	Right	No Power Flow
11	45	5.625	20	3	15	20	20.64689649	540	2333.333	1	795.2156404	829.6296296	312.6125	222.29859	914.0178	Left	
12	18	2.25	16	3	15	20	20.64689649	2700	373.3333	2	1590.431281	331.8518519	125.045	88.919436	365.6071	Left	