

				Input RPM		
		Ratio	Gear Design	100	540	1000
MITER	1:1	21, 21 Forged Straight Bevel	Input HP	18.18	71.70	103.57
			Output Torque*	11458	8368	6527
			Input kW	13.56	53.47	77.23
			Output Torque**	1295	945	737
	1:1	21, 21 Cut Spiral Bevel	Input HP	5.38	22.86	34.63
			Output Torque*	3391	2668	2183
			Input kW	4.01	17.05	25.82
			Output Torque**	383	301	247
REDUCER	1.35:1	20, 27 Forged Straight Bevel	Input HP	13.51	54.88	80.73
			Output Torque*	11495	8647	6869
			Input kW	10.07	40.92	60.20
			Output Torque**	1299	977	776
	1.5:1	20, 30 Forged Straight Bevel	Input HP	7.47	32.07	48.90
			Output Torque*	7062	5614	4623
			Input kW	5.57	23.91	36.47
			Output Torque**	798	634	522
2:1	17, 34 Forged Straight Bevel	Input HP	5.25	23.71	37.47	
		Output Torque*	6618	5535	4723	
		Input kW	3.91	17.68	27.94	
		Output Torque**	748	625	534	
INCREASER	1:1.35	27, 20 Forged Straight Bevel	Input HP	17.77	67.02	94.25
			Output Torque*	8296	5794	4400
			Input kW	13.25	49.98	70.28
			Output Torque**	937	655	497
	1:1.5	30, 20 Cut Spiral Bevel	Input HP	10.89	42.72	61.53
			Output Torque*	4576	3324	2585
			Input kW	8.12	31.86	45.88
			Output Torque**	517	376	292

\*Torque measured in inch-lbs

\*\*Torque measured in N-m

All ratings specified with the #1 shaft as the input.

**LIMITATIONS ON HORSEPOWER AND TORQUE RATINGS:** The horsepower and torque ratings given here are generalizations. Different conditions for various applications may result in higher or lower horsepower capacities. Under certain conditions the maximum indicated RPM may be exceeded. For these reasons the ratings cannot be guaranteed for any application. Prototype testing should be conducted for each application before production.