SUPERIOR GEARBOX COMPANY

Bevel Gear Drive

R200 SERIES

Ratings Chart

	Ratio	Gear Design		Input RPM 100	540	1000	1750
MITER REDUCER INCREASER	1:1	19, 19 Forged Straight Bevel	Input HP	8.43	35.46	53.23	71.42
			Output Torque*	5313	4139	3355	2572
			Input kW	6.29	26.44	39.69	53.26
			Output Torque**	600	468	379	291
	1:1	21, 21 Cut Spiral Bevel	Input HP	5.38	22.86	34.63	46.73
			Output Torque*	3391	2668	2183	1683
			Input kW	4.01	17.05	25.82	34.85
			Output Torque**	383	301	247	190
	1.5:1	16, 24 Forged Straight Bevel	Input HP	3.27	14.78	23.37	33.03
			Output Torque*	3091	2588	2209	1784
			Input kW	2.44	11.02	17.43	24.63
			Output Torque**	349	292	250	202
	2:1	16, 32 Forged Straight Bevel	Input HP	1.76	8.30	13.54	19.84
			Output Torque*	2218	1937	1707	1429
			Input kW	1.31	6.19	10.10	14.79
			Output Torque**	251	219	193	161
	1:1.5	24, 16 Forged Straight Bevel	Input HP	4.80	20.14	30.25	40.46
			Output Torque*	2017	1567	1271	971
			Input kW	3.58	15.02	22.56	30.17
			Output Torque**	228	177	144	110

***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.