

Hub City™ Bevel Gear Drives

Model 1010

Features

- Rugged ductile iron housing provides maximum gear and bearing support.
- High alloy shafting for greater strength.
- Tapered roller bearings for endurance and strength.
- Spiral bevel (SP) gearing to assure low noise level at higher operating speeds.
- Choice of six (6) standard gear ratios.
- Heavy-duty industrial seals to keep lubricant in and dirt out.
- Base mounting kit available. (Refer to page D-59)
- Hub City lubricant recommended. (Refer to section M)
- Hub City "Counter Flow" bearing lubrication system.
- Metric versions available. (Refer to page D-57)



Rating Table

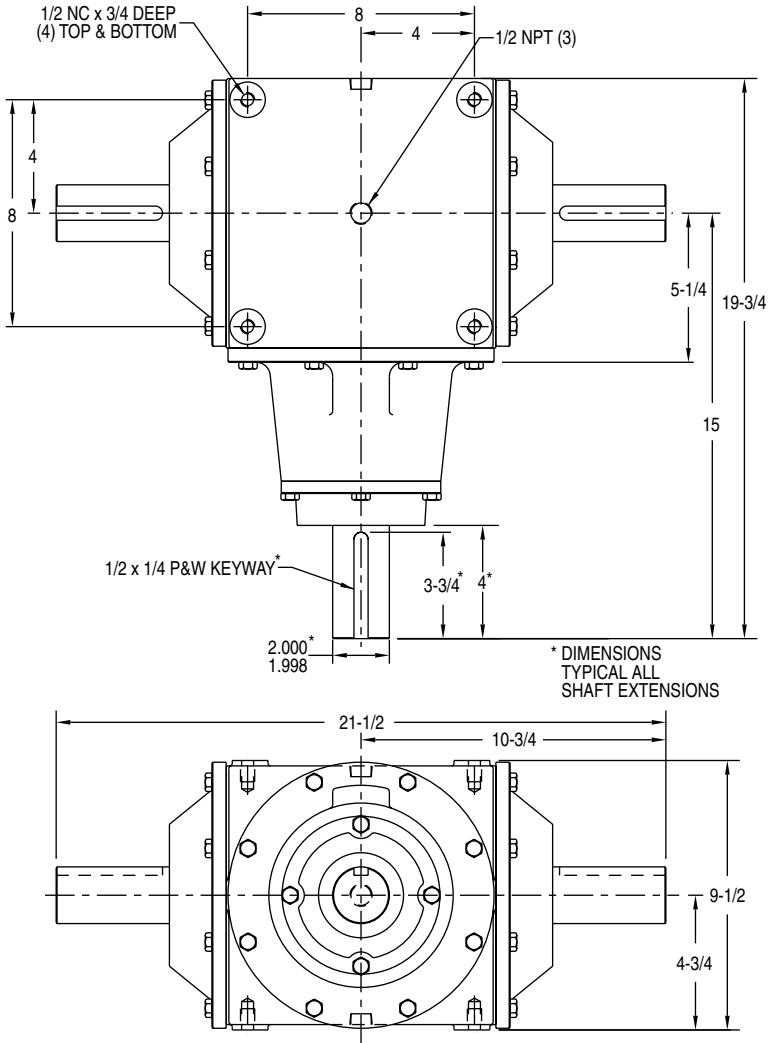
INPUT RPM†		REDUCTION RATIOS					INCREASER RATIOS
		1:1 SP	1.3:1 SPΔ	1.5:1 SP	2:1 SP	3:1 SPΔ	1:1.5 SP
1750	INPUT HORSEPOWER	251.00	195.00	173.00	123.90	55.80	232.40
	OUTPUT TORQUE IN. LBS.	9039.00	9360.00	9350.00	8924.00	6028.00	5577.00
	INPUT O.H.L. †	820.00	400.00	100.00	130.00	140.00	764.00
	OUTPUT O.H.L. †	1398.00	1500.00	2100.00	2100.00	2100.00	681.00
1150	INPUT HORSEPOWER	173.00	133.50	118.20	84.40	37.70	159.40
	OUTPUT TORQUE IN. LBS.	9481.00	9750.00	9717.00	9251.00	6198.00	5821.00
	INPUT O.H.L. †	1178.00	500.00	385.00	433.00	455.00	1134.00
	OUTPUT O.H.L. †	2100.00	2100.00	2100.00	2100.00	2100.00	1385.00
850	INPUT HORSEPOWER	131.50	101.20	89.50	63.80	28.40	121.10
	OUTPUT TORQUE IN. LBS.	9750.00	10,002.00	9954.00	9461.00	6317.00	5985.00
	INPUT O.H.L. †	1493.00	750.00	665.00	748.00	780.00	1449.00
	OUTPUT O.H.L. †	2100.00	2100.00	2100.00	2100.00	2100.00	1958.00
690	INPUT HORSEPOWER	108.60	83.50	73.80	52.50	23.30	100.10
	OUTPUT TORQUE IN. LBS.	9920.00	10,167.00	10,111.00	9591.00	6384.00	6091.00
	INPUT O.H.L. †	1737.00	1100.00	902.00	994.00	1000.00	1674.00
	OUTPUT O.H.L. †	2100.00	2100.00	2100.00	2100.00	2100.00	2100.00
400	INPUT HORSEPOWER	65.60	49.90	44.30	31.40	13.90	60.40
	OUTPUT TORQUE IN. LBS.	10,320.00	10,480.00	10,470.00	9895.00	6570.00	6341.00
	INPUT O.H.L. †	1850.00	1700.00	1635.00	1745.00	1850.00	1850.00
	OUTPUT O.H.L. †	2100.00	2100.00	2100.00	2100.00	2100.00	2100.00
300	INPUT HORSEPOWER	50.20	38.10	33.70	23.80	10.60	46.10
	OUTPUT TORQUE IN. LBS.	10,546.00	10,670.00	10,620.00	10,000.00	6680.00	6606.00
	INPUT O.H.L. †	1850.00	1850.00	1850.00	1850.00	1850.00	1850.00
	OUTPUT O.H.L. †	2100.00	2100.00	2100.00	2100.00	2100.00	2100.00
100	INPUT HORSEPOWER	18.50	13.10	11.80	8.30	3.70	16.20
	OUTPUT TORQUE IN. LBS.	11,659.00	11,005.00	11,130.00	10,462.00	6995.00	6815.00
	INPUT O.H.L. †	1850.00	1850.00	1850.00	1850.00	1850.00	1850.00
	OUTPUT O.H.L. †	2100.00	2100.00	2100.00	2100.00	2100.00	2100.00
WR2 (Lb. In.2) REFERRED TO HIGH SPEED SHAFT	STYLE						
	A, B	281	96	105	68	31	111
	C, D, E, F	279	95	104	67	30	105
	G	412	154	156	100	41	159
WR2 (Lb. In.2) REFERRED TO LOW SPEED SHAFT	GG	419	124	152	101	48	168
	A, B	281	170	235	272	274	250
	C, D, E, F	279	168	233	270	272	236
	G	412	273	351	398	367	357
	GG	419	220	342	405	436	379

‡ OVERHUNG LOAD IN LBS. AT CENTER OF SHAFT EXTENSIONS.
Δ MFG. TO ORDER - CONSULT FACTORY FOR PRICE AND DELIVERY

† FOR HIGHER INPUT SPEEDS CONSULT FACTORY.

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ATTENTION

FOR CONTINUOUS DUTY APPLICATIONS ABOVE 1000 RPM THE CAPACITY OF THESE UNITS MAY BE LIMITED BY THERMAL CONSIDERATIONS. IN THESE CASES OIL CIRCULATION AND OIL COOLING MAY BE REQUIRED. CONSULT THE FACTORY FOR APPLICATION ASSISTANCE.

NOTE: STYLE G & GG

1. DIMENSIONS FOR SHAFTS A, A1, AND A2 ARE IDENTICAL FOR ALL RATIOS.
2. CENTERLINE TO END OF SHAFT DIMENSIONS WILL VARY. REQUEST CERTIFIED DIMENSIONAL PRINTS.

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M

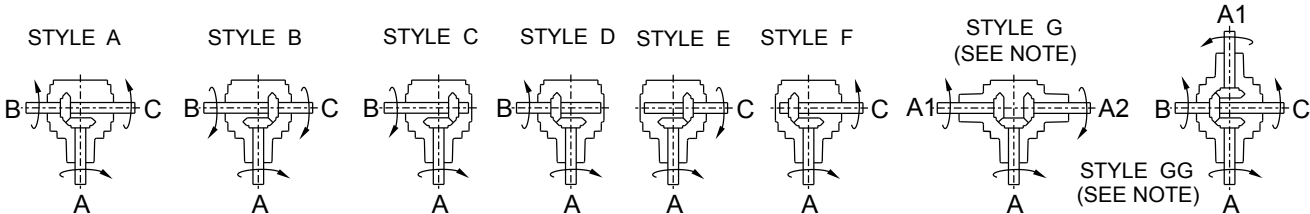
DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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WWW.HUBCITYINC.COM

DRY SHIPPING WEIGHTS

STYLES A, B, C, D, E, F.....	195 lbs.
STYLES G.....	195 lbs.
STYLES GG.....	225 lbs.

Standard Styles Available



CONSULT FACTORY FOR VERTICAL SHAFT LUBRICATION RECOMMENDATIONS
INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION