

Hub City™ Bevel Gear Drives

Model 600

Features

- Rugged cast iron housing designed for rigid gear and bearing support.
- Alloy shafting for greater strength.
- Tapered roller bearings for endurance and strength.
- Choice of eight (8) standard gear ratios.
- Certain ratios available in spiral bevel gearing (SP) for increased power density and low noise at higher operating speeds.
- Heavy-duty industrial seals to keep lubricant in and dirt out.
- Universal mounting assures maximum design flexibility.
- Base mounting kit available. (Refer to page D-59)
- Cross shaft and pinion shaft mounting available. (Refer to page D-60)
- Hydraulic motor mounting flanges available. (Refer to page D-61)
- Hub City lubricant recommended. (Refer to section M)



Rating Table

INPUT RPM†		REDUCTION RATIOS						INCREASER RATIOS	
		1:1 ST	1:1 SP	1.2:1 SPΔ	1.29:1 SP	1.5:1 ST	2:1 ST	1:1.29 SP	1:1.2 SPΔ
2400	INPUT HORSEPOWER		59.00	53.10	46.30			52.30	55.70
	OUTPUT TORQUE IN. LBS.		1550.00	1670.00	1570.00			1063.00	1221.00
	INPUT O.H.L. ‡		30.00	63.00	95.00			28.00	30.00
	OUTPUT O.H.L. ‡		65.00	75.00	110.00			64.00	59.00
1750	INPUT HORSEPOWER		46.00	39.80	34.70	15.00	7.30	39.30	41.90
	OUTPUT TORQUE IN. LBS.		1650.00	1720.00	1610.00	810.00	525.00	1095.00	1258.00
	INPUT O.H.L. ‡		62.00	84.00	129.00	351.00	459.00	58.00	50.00
	OUTPUT O.H.L. ‡		100.00	113.00	130.00	300.00	330.00	111.00	96.00
1150	INPUT HORSEPOWER	34.00	30.50	27.00	23.60	10.60	5.40	26.70	28.00
	OUTPUT TORQUE IN. LBS.	1860.00	1670.00	1770.00	1660.00	870.00	591.00	1133.00	129.80
	INPUT O.H.L. ‡	84.00	109.00	136.00	199.00	446.00	521.00	102.00	97.00
	OUTPUT O.H.L. ‡	220.00	160.00	178.00	190.00	340.00	380.00	178.00	148.00
850	INPUT HORSEPOWER	28.30	24.00	20.30	17.80	8.20	4.50	20.10	21.30
	OUTPUT TORQUE IN. LBS.	2090.00	1790.00	1810.00	1700.00	910.00	667.00	1158.00	1317.00
	INPUT O.H.L. ‡	114.00	143.00	189.00	253.00	524.00	567.00	137.00	117.00
	OUTPUT O.H.L. ‡	260.00	210.00	232.00	275.00	400.00	440.00	233.00	191.00
690	INPUT HORSEPOWER	23.90	20.00	16.70	14.60	7.10	3.90	16.60	17.66
	OUTPUT TORQUE IN. LBS.	2180.00	1830.00	1830.00	1720.00	970.00	712.00	1174.00	1344.00
	INPUT O.H.L. ‡	163.00	178.00	215.00	433.00	558.00	603.00	168.00	143.00
	OUTPUT O.H.L. ‡	290.00	250.00	316.00	452.00	445.00	465.00	292.00	265.00
400	INPUT HORSEPOWER	15.20	13.00	9.94	8.68	4.60	2.40	9.90	10.54
	OUTPUT TORQUE IN. LBS.	2380.00	2050.00	1880.00	1760.00	1000.00	733.00	1211.00	1385.00
	INPUT O.H.L. ‡	359.00	254.00	289.00	544.00	725.00	719.00	241.00	216.00
	OUTPUT O.H.L. ‡	370.00	350.00	414.00	563.00	578.00	572.00	415.00	356.00
300	INPUT HORSEPOWER	11.80	10.00	7.50	6.58	3.50	1.80	7.50	7.95
	OUTPUT TORQUE IN. LBS.	2480.00	2100.00	1890.00	1780.00	1100.00	756.00	1228.00	1392.00
	INPUT O.H.L. ‡	418.00	312.00	343.00	605.00	744.00	806.00	301.00	284.00
	OUTPUT O.H.L. ‡	445.00	420.00	497.00	628.00	645.00	715.00	462.00	411.00
100	INPUT HORSEPOWER	4.10	3.70	2.61	2.27	1.40	.70	2.60	2.78
	OUTPUT TORQUE IN. LBS.	2710.00	2330.00	1970.00	1850.00	1320.00	882.00	1278.00	1461.00
	INPUT O.H.L. ‡	692.00	493.00	516.00	817.00	900.00	900.00	462.00	423.00
	OUTPUT O.H.L. ‡	720.00	685.00	713.00	850.00	965.00	1080.00	710.00	630.00
WR2 (Lb. In.2) REFERRED TO HIGH SPEED SHAFT	STYLE								
	A, B	8.24	7.49	6.10	5.69	3.10	1.87	9.88	9.03
	C, D, E, F	7.94	7.19	5.90	5.51	3.00	1.82	9.39	8.61
	G	11.40	10.27	8.66	8.26	4.43	2.59	12.73	11.95
WR2 (Lb. In.2) REFERRED TO LOW SPEED SHAFT	GG	12.04	10.91	8.77	7.27	4.46	2.81	14.80	13.32
	A, B	8.24	7.49	8.79	9.46	6.97	7.50	5.94	6.27
	C, D, E, F	7.94	7.19	8.49	9.16	6.76	7.29	5.64	5.98
	G	11.40	10.27	12.47	13.74	9.96	10.35	7.65	8.30
	GG	12.04	10.91	12.62	12.10	10.03	11.22	8.90	9.25

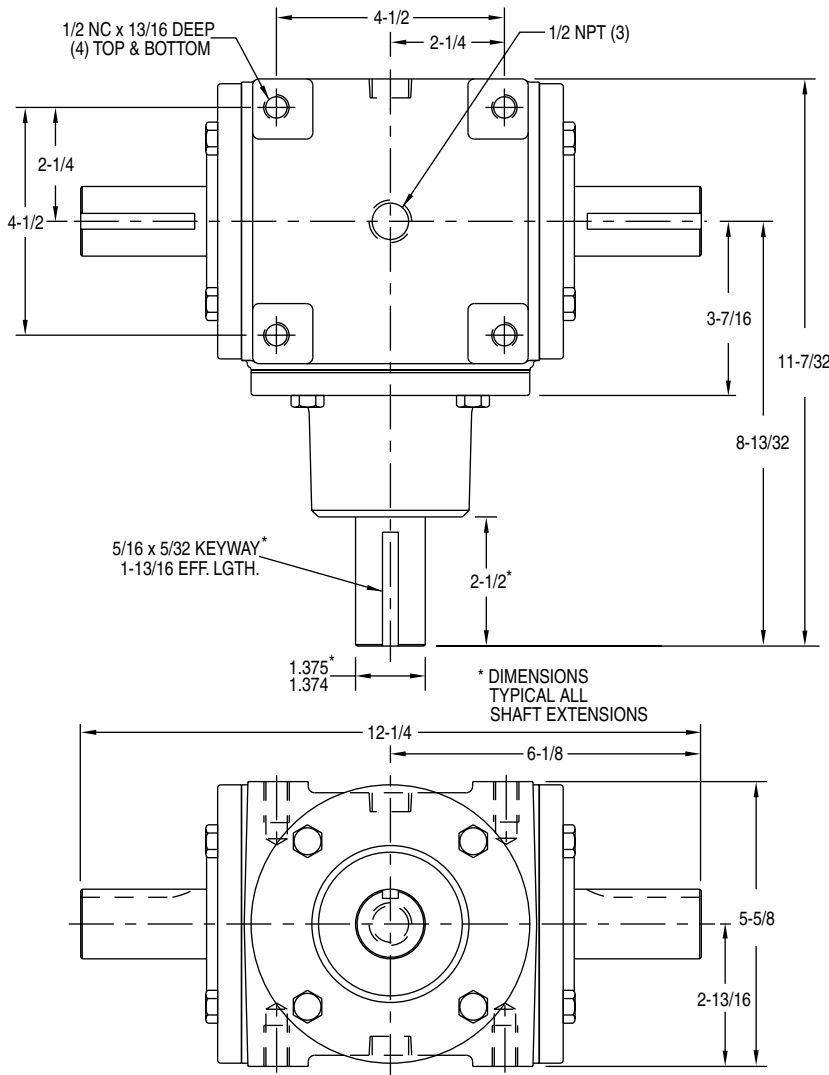
† FOR HIGHER INPUT SPEEDS CONSULT FACTORY.

‡ OVERHUNG LOAD IN POUNDS AT CENTER OF SHAFT EXTENSIONS.

Δ MFG. TO ORDER - CONSULT FACTORY FOR PRICE AND DELIVERY

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NOTE: STYLE GG

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

DRY SHIPPING WEIGHTS

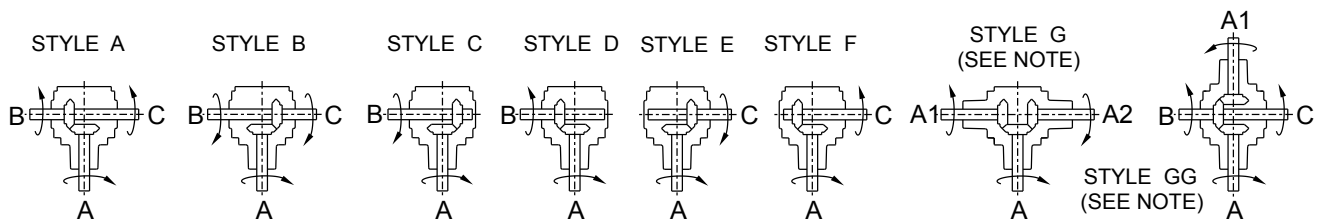
STYLES A, B, C, D, E, F.....	.48 lbs.
STYLES G.....	.60 lbs.
STYLES GG.....	.68 lbs.

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT:
WWW.HUBCITYINC.COM

Standard Styles Available



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