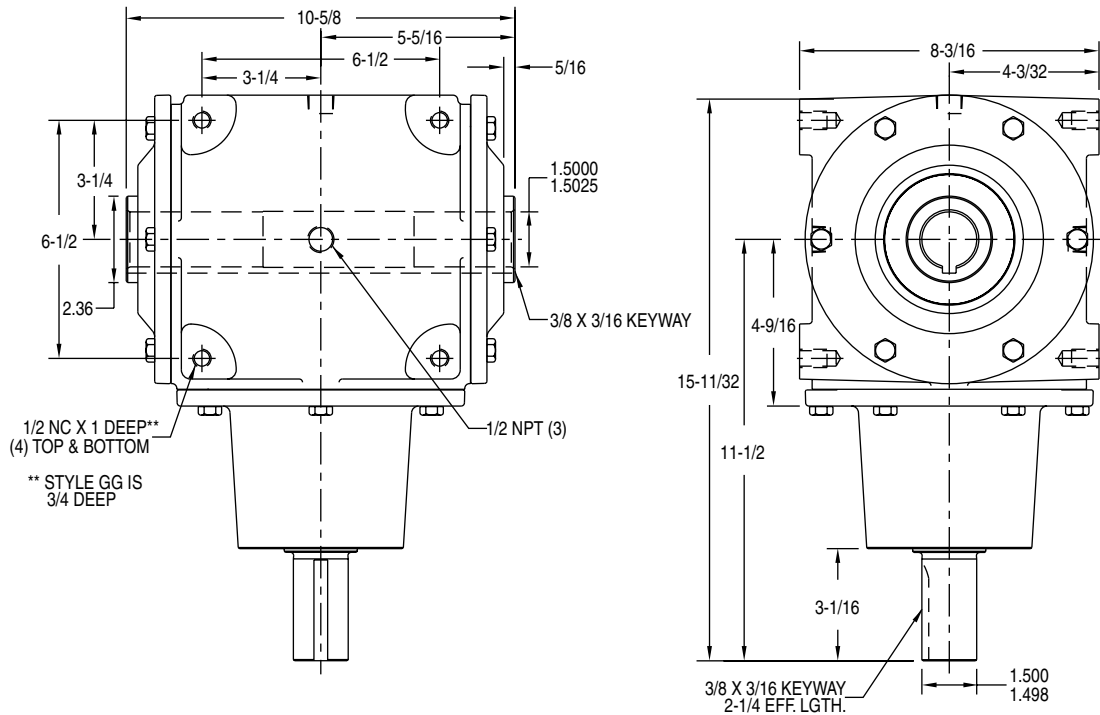


Hub City™ Bevel Gear Drives

Model 850



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.

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M

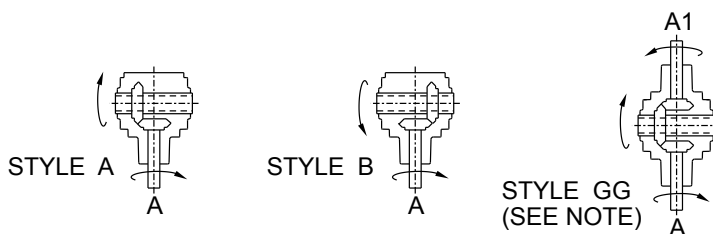
DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT: WWW.HUBCITYINC.COM

DRY SHIPPING WEIGHTS

STYLES A, B.....88 lbs.
STYLES GG.....135 lbs.

Standard Styles Available



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

Hub City™ Bevel Gear Drives

Model 1000

Features

- Rugged ductile iron housing provides maximum gear and bearing support.
- High alloy shafting for greater strength.
- Tapered roller bearings for endurance and strength.
- Choice of nine (9) standard gear ratios.
- Heavy-duty industrial seals to keep lubricant in and dirt out.
- Universal mounting assures maximum design flexibility.
- Base mounting kit available. (Refer to pages D-59)
- Hub City lubricant recommended. (Refer to section M)



Rating Table

INPUT RPM†		REDUCTION RATIOS					INCREASER RATIOS			
		1:1 ST	1.21:1 STΔ	1.87:1 ST	2.00:1 ST	2.21:1 ST	1:1.21 STΔ	1:1.87 ST	1:2.00 ST	1:2.21 ST*
1000	INPUT HORSEPOWER			50.1	48.0	36.2				
	OUTPUT TORQUE IN. LBS.			5900.0	6060.0	5900.0				
	INPUT O.H.L. †			1100.0	950.0	1120.0				
	OUTPUT O.H.L. †			1350.0	1100.0	1200.0				
850	INPUT HORSEPOWER		63.0	43.0	41.7	31.0				
	OUTPUT TORQUE IN. LBS.		5606.0	5954.0	6170.0	5059.0				
	INPUT O.H.L. †		1090.0	1296.0	1050.0	1311.0				
	OUTPUT O.H.L. †		1525.0	1875.0	1250.0	1550.0				
690	INPUT HORSEPOWER	80.0	55.0	39.0	27.7	26.0	57.0			
	OUTPUT TORQUE IN. LBS.	7304.0	6026.0	6660.0	6470.0	5216.0	4337.0			
	INPUT O.H.L. †	964.0	1153.0	1353.0	1200.0	1410.0	1088.0			
	OUTPUT O.H.L. †	875.0	1585.0	1980.0	1450.0	1650.0	1252.0			
400	INPUT HORSEPOWER	53.3	35.0	24.0	21.1	17.0	39.0	34.6	31.6	28.8
	OUTPUT TORQUE IN. LBS.	8400.0	6602.0	7065.0	6650.0	5890.0	5119.0	2910.0	2490.0	2060.0
	INPUT O.H.L. †	1161.0	1418.0	1651.0	1450.0	1684.0	1280.0	1371.0	1250.0	1461.0
	OUTPUT O.H.L. †	1560.0	1915.0	2315.0	1600.0	1810.0	1392.0	1408.0	1350.0	1343.0
300	INPUT HORSEPOWER	41.5	27.0	18.5	16.2	13.0	29.0	27.7	24.4	22.9
	OUTPUT TORQUE IN. LBS.	8720.0	6804.0	7288.0	6810.0	6022.0	4266.0	3110.0	2560.0	2190.0
	INPUT O.H.L. †	1323.0	1597.0	1842.0	1600.0	1877.0	1312.0	1526.0	1400.0	1616.0
	OUTPUT O.H.L. †	1740.0	2140.0	2595.0	1800.0	1950.0	1420.0	1567.0	1500.0	1490.0
100	INPUT HORSEPOWER	17.0	11.0	7.0	5.8	4.8	13.0	9.8	9.0	8.5
	OUTPUT TORQUE IN. LBS.	10700.0	8319.0	8005.0	7340.0	6646.0	6825.0	3300.0	2830.0	2430.0
	INPUT O.H.L. †	2018.0	2360.0	2300.0	2000.0	2500.0	1957.0	2360.0	2000.0	2450.0
	OUTPUT O.H.L. †	2480.0	2960.0	3540.0	2200.0	2500.0	1981.0	2500.0	2200.0	2197.0
WR2 (Lb. In.2) REFERRED TO HIGH SPEED SHAFT	STYLE									
	A, B	140.6	75.4	43.8		35.9	75.9	51.3	51.04	44.56
	C, D, E, F	139.6	74.7	42.6	Consult Factory	35.7	74.9	50.3	Consult Factory	
	G	187.5	115.4	74.9		58.5	107.9	54.5		48.5
	GG	210.2	108.9	55.8		48.7	116.8	82.7		
WR2 (Lb. In.2) REFERRED TO LOW SPEED SHAFT	A, B	140.6	108.6	153.3		173.9	109.3	179.2		
	C, D, E, F	139.6	107.6	152.3	Consult Factory	172.9	107.9	177.8	Consult Factory	
	G	187.5	166.2	263.2		283.1	155.5	194.0		234.5
	GG	210.2	156.9	195.2		235.9	168.3	289.2		

† FOR HIGHER INPUT SPEEDS CONSULT FACTORY.

‡ OVERHUNG LOAD IN LBS. AT CENTER OF SHAFT EXTENSIONS.

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

* AVAILABLE IN STYLE G ONLY.