

Hub City™ Bevel Gear Drives

Model 920

Features

- Shaft mounted design for direct mounting on drive shaft of equipment to be driven.
- Rugged cast iron housing designed for rigid gear and bearing support.
- Tapered roller bearings for endurance and strength.
- Hub City "Counter Flow" bearing lubrication system.
- Choice of six (6) gear ratios.
- Heavy-duty industrial seals to keep lubricant in and dirt out.
- Differential type spiral bevel (SP) gearing to provide maximum RPM reduction and low noise levels at higher operating speeds.
- Choice of four (4) stock output bore sizes.
- Hub City lubricant recommended. (Refer to section M)



Rating Table

INPUT RPM (PINION SHAFT)†		SPIRAL BEVEL GEARS											
		Δ3.25:1		Δ3.78:1		Δ4.11:1		Δ4.86:1		Δ5.57:1		Δ6.67:1	
		OUTPUT RPM	RATINGS	OUTPUT RPM	RATINGS	OUTPUT RPM	RATINGS	OUTPUT RPM	RATINGS	OUTPUT RPM	RATINGS	OUTPUT RPM	RATINGS
3000	INPUT HORSEPOWER	923.00	131.33	793.60	118.11	730.00	110.00	618.00	76.00	538.60	65.08	450.00	48.00
	OUTPUT TORQ. IN. LBS.		8964.00		9376.00		9480.00		7752.00		7612.00		6720.00
	‡INPUT O.H.L.		80.00		75.00		65.00		85.00		100.00		110.00
2400	INPUT HORSEPOWER	738.50	107.34	634.90	96.59	584.00	90.00	494.00	62.00	430.90	52.84	360.00	38.50
	OUTPUT TORQ. IN. LBS.		9156.00		9584.00		9720.00		7920.00		7725.00		6732.00
	‡INPUT O.H.L.		283.00		293.00		286.00		299.00		314.00		319.00
1750	INPUT HORSEPOWER	538.50	80.51	463.00	71.50	426.00	66.00	360.00	46.00	314.20	39.18	263.00	28.50
	OUTPUT TORQ. IN. LBS.		9420.00		9731.00		9780.00		8040.00		7855.00		6828.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
1150	INPUT HORSEPOWER	353.80	54.57	304.20	47.60	280.00	44.00	237.00	31.00	206.50	26.32	173.00	19.00
	OUTPUT TORQ. IN. LBS.		9720.00		9860.00		9900.00		8232.00		8030.00		6900.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
850	INPUT HORSEPOWER	261.50	41.00	224.90	37.28	207.00	35.00	175.00	24.00	152.60	20.10	127.50	14.00
	OUTPUT TORQ. IN. LBS.		9876.00		10443.00		10644.00		8640.00		8298.00		6948.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
690	INPUT HORSEPOWER	212.30	33.74	182.50	30.49	168.00	28.50	142.00	20.00	123.90	16.68	103.50	11.50
	OUTPUT TORQ. IN. LBS.		10008.00		10526.00		10680.00		8880.00		8484.00		6996.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
400	INPUT HORSEPOWER	123.00	20.10	105.80	18.18	97.50	17.00	82.20	12.00	71.80	10.05	60.00	7.00
	OUTPUT TORQ. IN. LBS.		10284.00		10824.00		10980.00		9240.00		8818.00		7356.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
300	INPUT HORSEPOWER	92.30	15.26	79.40	13.86	73.00	13.00	61.70	9.25	53.90	7.98	45.00	6.00
	OUTPUT TORQ. IN. LBS.		10416.00		10992.00		11208.00		9432.00		9330.00		8400.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
200	INPUT HORSEPOWER	61.50	10.33	52.90	9.44	48.50	8.90	41.40	6.30	35.90	5.45	30.00	4.25
	OUTPUT TORQ. IN. LBS.		10572.00		11246.00		11556.00		9648.00		9564.00		8928.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00
100	INPUT HORSEPOWER	30.75	5.26	26.45	4.85	24.30	4.60	20.70	3.30	17.95	2.86	15.00	2.30
	OUTPUT TORQ. IN. LBS.		10764.00		11554.00		11928.00		10104.00		10034.00		8997.00
	‡INPUT O.H.L.		450.00		450.00		450.00		450.00		450.00		450.00

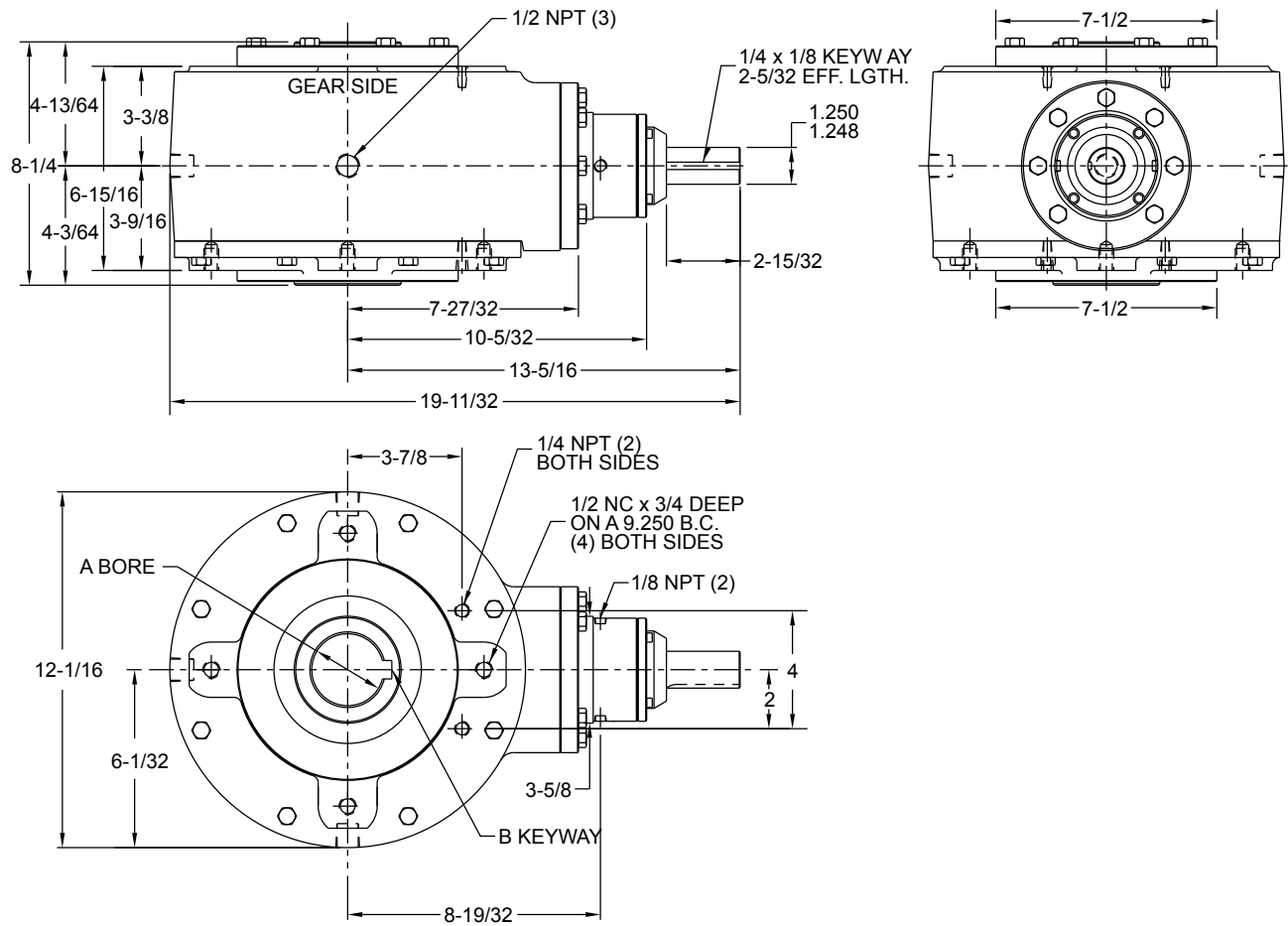
† FOR HIGHER INPUT SPEEDS CONSULT FACTORY.

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

Δ CW INPUT ROTATION PREFERRED. CCW CONSULT FACTORY.

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BORE A	KEYWAY B
1-15/16	1/2 x 1/4
2	1/2 x 1/4
2-1/4	1/2 x 1/4
2-7/16	5/8 x 5/16

BORE TOLERANCE NOMINAL +.003

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT: WWW.HUBCITYINC.COM

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M

DRY SHIPPING WEIGHT 143 LBS.