

Hub City Bevel Gear Drives

Model 150

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 nine (9) 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 and foot mounting kits available.
(Refer to page D-65)
- Hub City lubricant recommended. (Refer to section S)



Rating Table

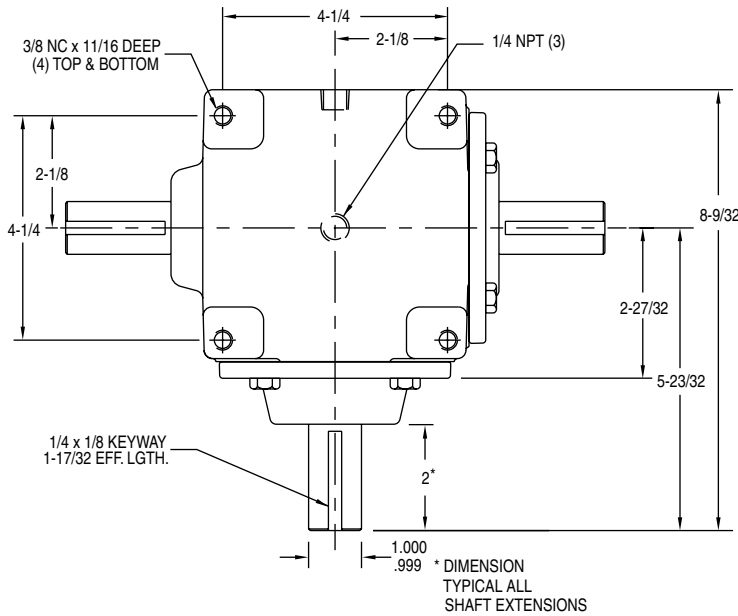
INPUT RPM†		REDUCTION RATIOS						INCREASER RATIOS		
		1:1 ST	1:1 SP	1.5:1 ST	1.5:1 SP	2:1 ST	2:1 SP	1:1.5 ST	1:2 ST	1:1.5 SP
3000	INPUT HORSEPOWER		26.80		28.00					
	OUTPUT TORQUE IN. LBS.		564.00		883.00					
	‡INPUT O.H.L.		40.00		20.00					
	‡OUTPUT O.H.L.		160.00		200.00					
2400	INPUT HORSEPOWER		21.80		22.70	9.00	13.65			
	OUTPUT TORQUE IN. LBS.		570.00		895.00	341.00	717.00			
	‡INPUT O.H.L.		86.00		35.00	136.00	75.00			
	‡OUTPUT O.H.L.		215.00		225.00	410.00	600.00			
1750	INPUT HORSEPOWER		16.00	9.20	16.90	6.25	10.25			24.70
	OUTPUT TORQUE IN. LBS.		580.00	500.00	911.00	442.00	736.00			593.00
	‡INPUT O.H.L.		106.00	127.00	50.00	191.00	100.00			45.00
	‡OUTPUT O.H.L.		265.00	320.00	275.00	455.00	665.00			75.00
1150	INPUT HORSEPOWER	12.00	11.00	6.20	11.30	4.25	7.00	8.20	7.20	16.70
	OUTPUT TORQUE IN. LBS.	660.00	600.00	510.00	930.00	465.00	761.00	299.00	195.00	610.00
	‡INPUT O.H.L.	112.00	124.00	197.00	75.00	240.00	125.00	168.00	237.00	60.00
	‡OUTPUT O.H.L.	280.00	310.00	380.00	375.00	525.00	750.00	135.00	135.00	90.00
850	INPUT HORSEPOWER	9.00	8.30	4.70	8.50	3.25	5.25	6.10	5.70	12.50
	OUTPUT TORQUE IN. LBS.	670.00	615.00	520.00	941.00	481.00	777.00	301.00	210.00	618.00
	‡INPUT O.H.L.	128.00	142.00	249.00	150.00	337.00	150.00	239.00	334.00	135.00
	‡OUTPUT O.H.L.	320.00	355.00	425.00	450.00	575.00	800.00	135.00	135.00	110.00
690	INPUT HORSEPOWER	7.60	6.80	3.90	6.90	2.70	4.30	5.00	4.70	10.20
	OUTPUT TORQUE IN. LBS.	680.00	620.00	530.00	950.00	494.00	788.00	304.00	215.00	621.00
	‡INPUT O.H.L.	144.00	158.00	286.00	160.00	371.00	160.00	273.00	365.00	150.00
	‡OUTPUT O.H.L.	360.00	395.00	470.00	500.00	555.00	800.00	135.00	135.00	125.00
400	INPUT HORSEPOWER	4.40	4.10	2.30	4.10	1.60	2.60	3.00	2.80	6.00
	OUTPUT TORQUE IN. LBS.	700.00	645.00	550.00	964.00	504.00	815.00	315.00	220.00	630.00
	‡INPUT O.H.L.	172.00	190.00	412.00	200.00	450.00	270.00	396.00	432.00	195.00
	‡OUTPUT O.H.L.	430.00	475.00	610.00	650.00	780.00	800.00	135.00	135.00	135.00
300	INPUT HORSEPOWER	3.40	3.10	1.80	3.10	1.25	2.00	2.30	2.20	4.60
	OUTPUT TORQUE IN. LBS.	710.00	650.00	560.00	974.00	525.00	829.00	322.00	230.00	640.00
	‡INPUT O.H.L.	203.00	220.00	456.00	225.00	496.00	370.00	469.00	451.00	237.00
	‡OUTPUT O.H.L.	500.00	550.00	655.00	750.00	800.00	800.00	135.00	135.00	135.00
100	INPUT HORSEPOWER	1.20	1.10	.65	1.05	.50	.70	.81	.75	1.60
	OUTPUT TORQUE IN. LBS.	730.00	693.00	615.00	993.00	630.00	876.00	340.00	235.00	672.00
	‡INPUT O.H.L.	363.00	332.00	600.00	350.00	600.00	600.00	600.00	600.00	325.00
	‡OUTPUT O.H.L.	740.00	800.00	800.00	800.00	800.00	800.00	135.00	135.00	135.00

† FOR HIGHER INPUT SPEEDS CONSULT FACTORY.

‡ OVERHUNG LOAD IN POUNDS AT CENTER OF SHAFT EXTENSIONS.

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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 S

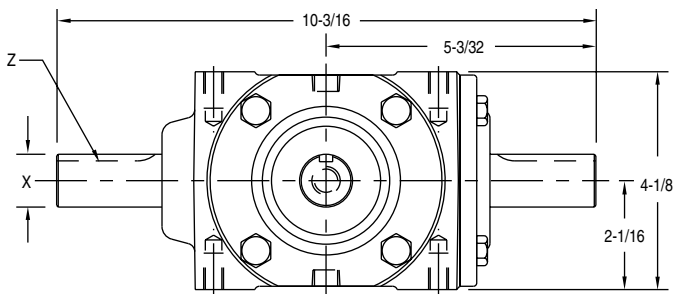
DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT:
WWW.HUBCITYINC.COM

CROSS SHAFT REDUCTION RATIOS						
MODEL NO.	1:1 ST	1:1 SP	1.5:1 ST	1.5:1 SP	2:1 ST	2:1 SP
DIA. X	1.000 .999					
KEYWAY Z	1/4 x 1/8 x 1-17/32 EFF. LGTH.					

CROSS SHAFT INCREASER RATIOS			
RATIO	1:1.5 ST	1:1.5 SP	1:2 ST
DIA. X	.625** .624	1.000 .999	.625** .624
KEYWAY Z	3/16 x 3/32 x 1-19/32 EFF. LGTH.	1/4 x 1/8 x 1-7/32 EFF. LGTH.	3/16 x 3/32 x 1-19/32 EFF. LGTH.

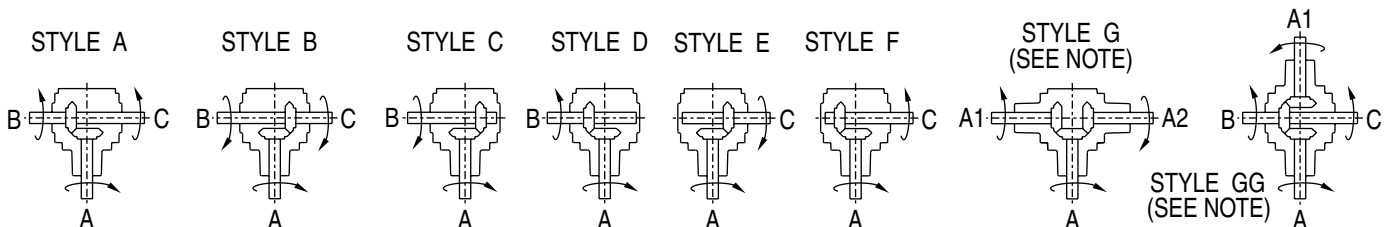
**FOR STYLES A, B & GG ONLY.



DRY SHIPPING WEIGHTS

STYLES A, B, C, D, E, F..... 25 lbs.
STYLES G 26 lbs.
STYLES GG 28 lbs.

Standard Styles Available



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