

Hub City™ Bevel Gear Drives

Model 66

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 eleven (11) 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)
- Reversing model available as factory option. (Refer to page D-60)
- Hydraulic motor mounting flanges available. (Refer to page D-61)
- Hub City lubricant recommended. (Refer to section M)
- Metric versions available. (Refer to page D-57)



Rating Table

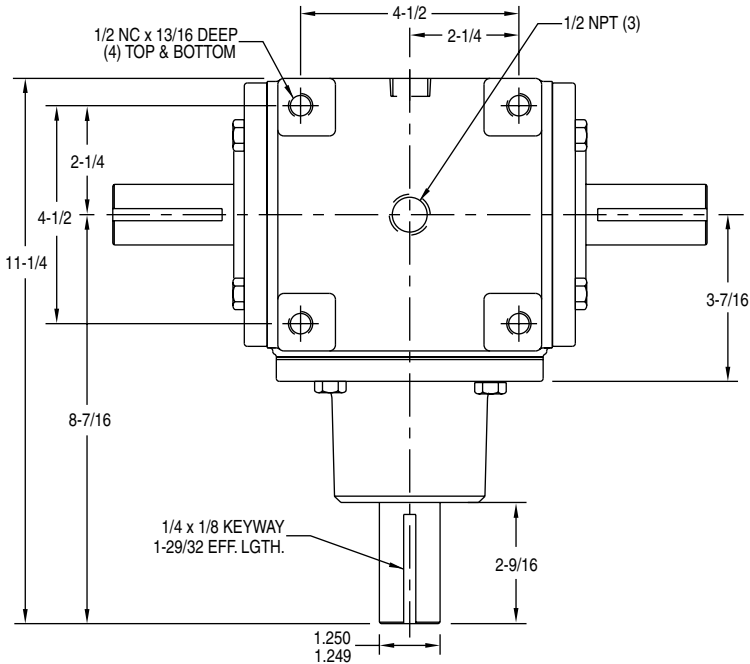
INPUT RPM†		REDUCTION RATIOS							INCREASER RATIOS			
		1:1 ST	1:1 SP	1.5:1 ST	1.53:1 SP	2:1 ST	2:1 SP	3:1 SP	1:1.5 ST	1:1.53 SP	1:2 ST	1:2 SP
3000	INPUT HORSEPOWER				56.00		25.50	15.40				
	OUTPUT TORQUE IN. LBS.				1765.00		1072.00	951.00				
	#INPUT O.H.L.				38.00		100.00	35.00				
	#OUTPUT O.H.L.				80.00		725.00	100.00				
2400	INPUT HORSEPOWER		59.00		46.00		20.67	12.50		64.00		
	OUTPUT TORQUE IN. LBS.		1550.00		1810.00		1085.00	961.00		1120.00		
	#INPUT O.H.L.		30.00		59.00		125.00	45.00		42.00		
	#OUTPUT O.H.L.		65.00		100.00		800.00	225.00		68.00		
1750	INPUT HORSEPOWER		46.00	15.00	35.00	7.30	15.40	9.20		49.00		
	OUTPUT TORQUE IN. LBS.		1650.00	810.00	1887.00	525.00	1112.00	975.00		1180.00		
	#INPUT O.H.L.		62.00	35.00	97.00	459.00	225.00	85.00		79.00		
	#OUTPUT O.H.L.		100.00	300.00	140.00	330.00	900.00	350.00		140.00		
1150	INPUT HORSEPOWER	24.20	30.50	10.60	23.00	5.40	10.30	6.15		34.50		19.90
	OUTPUT TORQUE IN. LBS.	1320.00	1670.00	870.00	1930.00	591.00	1125.70	989.00		1260.00		545.00
	#INPUT O.H.L.	126.00	109.00	446.00	133.00	521.00	400.00	100.00		102.00		325.00
	#OUTPUT O.H.L.	190.00	160.00	340.00	190.00	380.00	1075.00	500.00		149.00		300.00
850	INPUT HORSEPOWER	19.00	24.00	8.20	18.00	4.50	7.68	4.60	11.80	26.50	7.00	15.00
	OUTPUT TORQUE IN. LBS.	1410.00	1790.00	910.00	2000.00	667.00	1139.00	998.00	580.00	1310.00	260.00	556.00
	#INPUT O.H.L.	158.00	143.00	524.00	161.00	567.00	525.00	195.00	513.00	142.00	576.00	450.00
	#OUTPUT O.H.L.	230.00	210.00	400.00	230.00	440.00	1080.00	750.00	520.00	178.00	400.00	350.00
690	INPUT HORSEPOWER	16.30	20.00	7.10	15.00	3.90	6.28	3.75	9.80	21.80	6.75	12.30
	OUTPUT TORQUE IN. LBS.	1480.00	1830.00	970.00	2050.00	712.00	1147.00	1009.00	600.00	1330.00	308.00	562.00
	#INPUT O.H.L.	213.00	178.00	558.00	217.00	603.00	600.00	215.00	559.00	212.00	598.00	500.00
	#OUTPUT O.H.L.	265.00	250.00	445.00	270.00	465.00	1080.00	800.00	679.00	307.00	400.00	400.00
300	INPUT HORSEPOWER	8.14	10.00	3.50	7.00	1.80	2.80	1.65	4.90	10.00	3.25	5.50
	OUTPUT TORQUE IN. LBS.	1700.00	2100.00	1100.00	2205.00	756.00	1177.00	1031.00	685.00	1400.00	340.00	578.00
	#INPUT O.H.L.	418.00	312.00	744.00	421.00	806.00	900.00	550.00	750.00	370.00	793.00	875.00
	#OUTPUT O.H.L.	425.00	420.00	645.00	425.00	715.00	1080.00	1080.00	770.00	393.00	400.00	400.00
100	INPUT HORSEPOWER	2.86	3.70	1.40	3.00	.70	.95	.55	1.80	3.50	1.30	1.88
	OUTPUT TORQUE IN. LBS.	1800.00	2330.00	1320.00	2835.00	882.00	1198.00	1056.00	775.00	1470.00	410.00	592.00
	#INPUT O.H.L.	625.00	493.00	900.00	611.00	900.00	900.00	800.00	900.00	420.00	900.00	900.00
	#OUTPUT O.H.L.	695.00	685.00	965.00	685.00	1080.00	1080.00	1080.00	900.00	620.00	400.00	400.00
WR2 (Lb. In.2) REFERRED TO HIGH SPEED SHAFT	STYLE											
	A, B	6.29	5.42	3.10	4.04	1.87	2.17	1.24	7.45	9.39	6.71	8.31
	C, D, E, F	6.08	5.21	3.00	3.96	1.82	2.12	1.22	6.99	9.08	6.38	7.98
	G	8.76	7.45	4.43	6.27	2.59	3.19	1.68	9.54	12.28	10.71	12.24
WR2 (Lb. In.2) REFERRED TO LOW SPEED SHAFT	GG	9.21	7.90	4.46	5.47	2.81	3.08	1.97	10.87	15.04	9.96	13.23
	A, B	6.29	5.42	6.97	9.42	7.50	8.67	11.17	3.31	4.03	1.68	2.08
	C, D, E, F	6.08	5.21	6.76	9.22	7.29	8.46	10.96	3.11	3.90	1.59	1.99
	G	8.76	7.45	9.96	14.62	10.35	12.77	15.16	4.24	5.27	2.68	3.06
	GG	9.21	7.90	10.03	12.74	11.22	12.33	17.70	4.83	6.46	2.49	3.31

† FOR HIGHER INPUT SPEEDS CONSULT FACTORY.

‡ OVERHUNG LOAD IN LBS. 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.

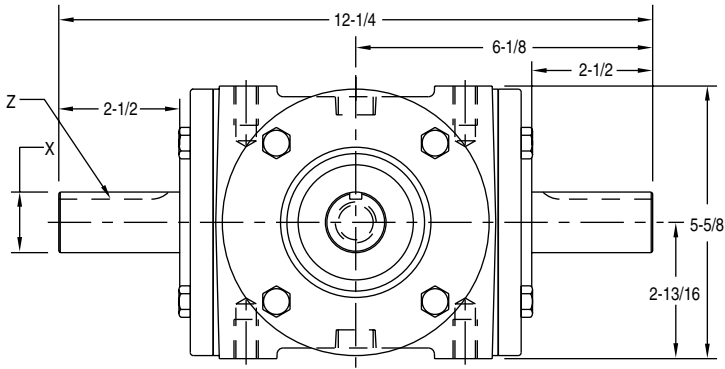
FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT:
WWW.HUBCITYINC.COM

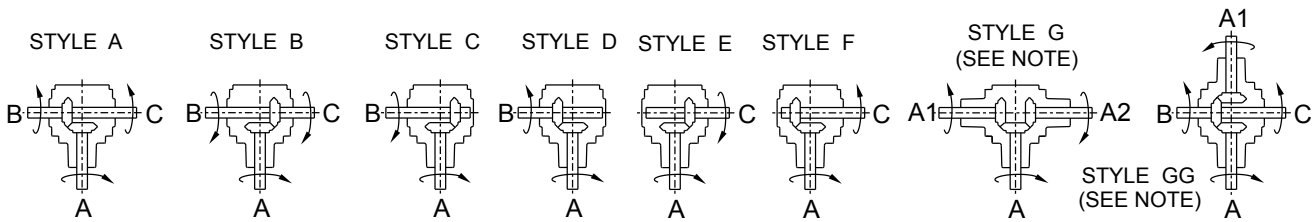
CROSS SHAFT REDUCTION RATIOS							
MODEL NO.	1:1 ST	1:1 SP	1.5:1 ST	1.53:1 SP	2:1 ST	2:1 SP	3:1 SP
DIA. X	1.250 1.249						
KEYWAY Z	1/4 x 1/8 x 1-29/32 EFF. LGTH.						

CROSS SHAFT INCREASER RATIOS				
RATIO	1:1.5 ST	1:1.5 SP	1:2 ST	1:2 SP
DIA. X	1.250 1.249	1.125 1.124	1.000 .999	1.000 .999
KEYWAY Z	1/4 x 1/8 x 1-29/32 EFF. LGTH.			



DRY SHIPPING WEIGHTS
STYLES A, B, C, D, E, F..... .43 lbs.
STYLES G..... .53 lbs.
STYLES GG..... .65 lbs.

Standard Styles Available



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