

Hub City™ Bevel Gear Drives

Models AD1, AD2

Features

- Cast aluminum housing designed to resist corrosion and provide rigid gear and bearing support.
- Stainless steel or chrome plated shaft provide resistance to corrosion.
- Precision ball bearings to accommodate higher operating speeds.
- Spiral bevel (SP) gearing to assure low noise level at higher operating speeds.
- Permanently lubricated at factory to assure trouble free service.
- Universal mounting (4 surfaces) to assure maximum design flexibility.



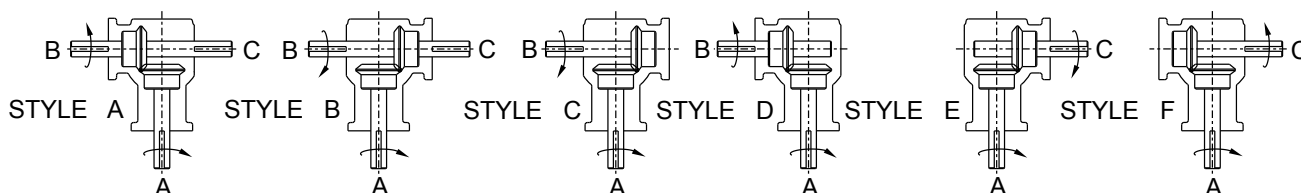
Rating Table

INPUT RPM†		MODEL AD1 RATIO		MODEL AD2 RATIO	
		1:1 SP	2:1 SPΔ	1:1 SP	2:1 SPΔ
3600	INPUT HORSEPOWER	1.810	.525	4.310	2.120
	OUTPUT TORQUE IN. LBS.	31.700	18.400	75.500	74.200
2400	INPUT HORSEPOWER	1.240	.356	2.950	1.450
	OUTPUT TORQUE IN. LBS.	32.500	18.700	77.400	76.100
1750	INPUT HORSEPOWER	.913	.262	2.190	1.070
	OUTPUT TORQUE IN. LBS.	32.900	18.900	78.700	77.200
1150	INPUT HORSEPOWER	.609	.176	1.470	.720
	OUTPUT TORQUE IN. LBS.	33.400	19.300	80.300	78.600
850	INPUT HORSEPOWER	.457	.131	1.100	.540
	OUTPUT TORQUE IN. LBS.	33.900	19.500	81.300	79.400
690	INPUT HORSEPOWER	.374	.108	.900	.440
	OUTPUT TORQUE IN. LBS.	34.200	19.700	81.900	80.000
400	INPUT HORSEPOWER	.220	.064	.530	.260
	OUTPUT TORQUE IN. LBS.	34.700	20.000	83.300	81.200
200	INPUT HORSEPOWER	.112	.033	.270	.130
	OUTPUT TORQUE IN. LBS.	35.100	20.300	84.700	82.400
100	INPUT HORSEPOWER	.057	.016	.140	.070
	OUTPUT TORQUE IN. LBS.	35.600	20.500	85.800	83.200

†FOR HIGHER INPUT SPEEDS CONSULT FACTORY

Δ2:1 RATIO HAS PLATED PINION SHAFTS

Standard Styles Available

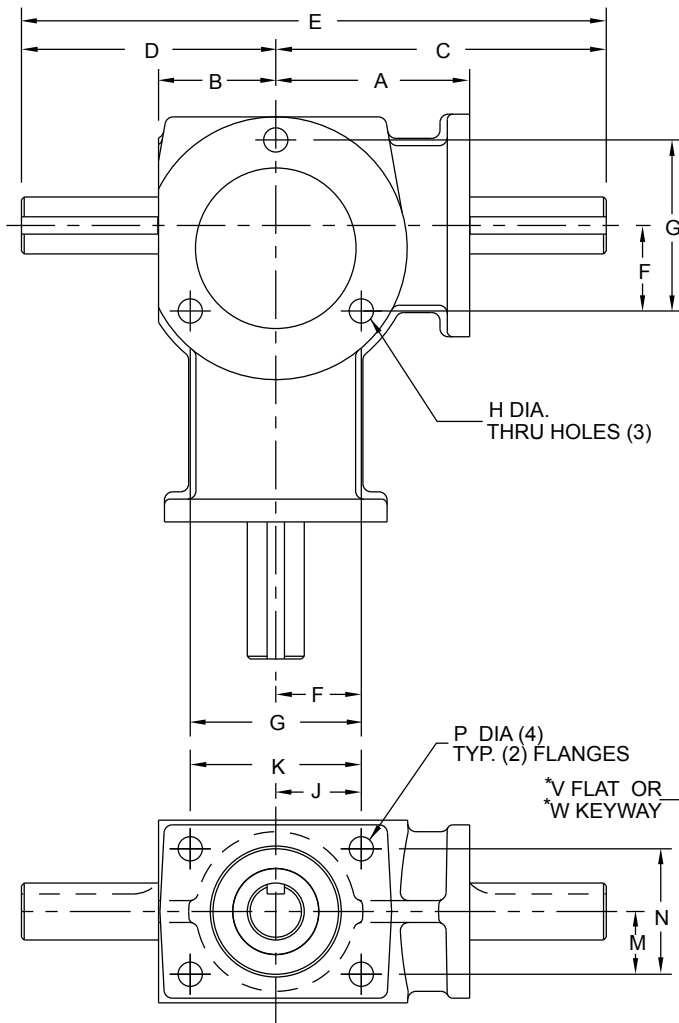


CONSULT FACTORY FOR VERTICAL SHAFT LUBRICATION RECOMMENDATIONS

INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION

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ALLOWABLE SHAFT LOADS ALL RATIOS AND SHAFTS

MODEL NO.	OVERHUNG LOAD**	THRUST LOAD
AD 1	25 lbs.	50 lbs.
AD 2	50 lbs.	100 lbs.

** ASSUMES LOAD AT MIDPOINT OF SHAFT EXTENSION

SHIPPING WEIGHTS

MODEL AD1 1/2 lb.
MODEL AD2 2 lbs.

INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION

* DIMENSIONS
TYPICAL ALL
SHAFT EXTENSIONS

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT: WWW.HUBCITYINC.COM

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M

MODEL NO.	A	B	C	D	E	F	G	H	J	K	M	N	P
AD1	1-3/8	31/32	1-31/32	1-9/16	3-17/32	.656	1.312	13/64	.594	1.188	.438	.875	11/64
AD2	2-1/8	1-9/32	3-5/8	2-25/32	6-13/32	.937	1.875	17/64	.937	1.875	.687	1.375	17/64

MODEL NO.	Q	R	S	T	V	W	X
AD1	2-5/32	19/32	2-3/4	.3745/.3740	1/32 DEEP	.60 EFF. FLAT	1.255/1.250
AD2	3-1/4	1-1/2	4-3/4	.6245/.6240	—	3/16 X 3/32 1-7/32 EFF. LGTH.	2.005/2.000