

Hub City Bevel Gear Drives

Models AD3, AD4, AD5

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 (5 surfaces) to assure maximum design flexibility.
- Metric versions available. (Refer to page D-56)



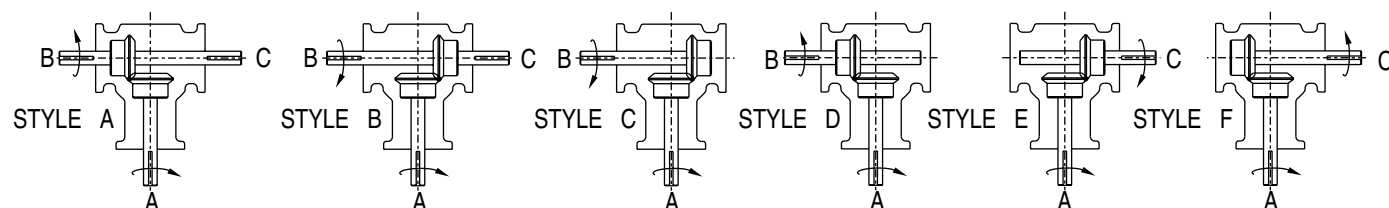
Rating Table

INPUT RPM†		MODEL AD4 RATIO		MODEL AD5 RATIO		MODEL AD3 RATIO	
		1:1 SP	2:1 SPΔ	1:1 SP	2:1 SPΔ	1:1 SP	2:1 SPΔ
3600	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	1.810 31.700	.525 18.400	4.310 75.500	2.120 74.200	10.250 179.560	3.820 133.800
2400	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	1.240 32.500	.356 18.700	2.950 77.400	1.450 76.100	7.100 186.400	2.620 137.600
1750	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.913 32.900	.262 18.900	2.190 78.700	1.070 77.200	5.270 189.700	1.960 141.000
1150	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.609 33.400	.176 19.300	1.470 80.300	.720 78.600	3.550 194.800	1.320 144.400
850	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.457 33.900	.131 19.500	1.100 81.300	.540 79.400	2.670 198.000	.990 146.800
690	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.374 34.200	.108 19.700	.900 81.900	.440 80.000	2.190 200.100	.810 148.200
400	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.220 34.700	.064 20.000	.530 83.300	.260 81.200	1.300 204.800	.480 151.200
200	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.112 35.100	.033 20.300	.270 84.700	.130 82.400	.670 209.400	.250 154.400
100	INPUT HORSEPOWER OUTPUT TORQUE IN. LBS.	.057 35.600	.016 20.500	.140 85.800	.070 83.200	.340 212.900	.130 156.600

†FOR HIGHER INPUT SPEEDS CONSULT FACTORY

Δ2:1 RATIO HAS PLATED PINION SHAFTS

Standard Styles Available

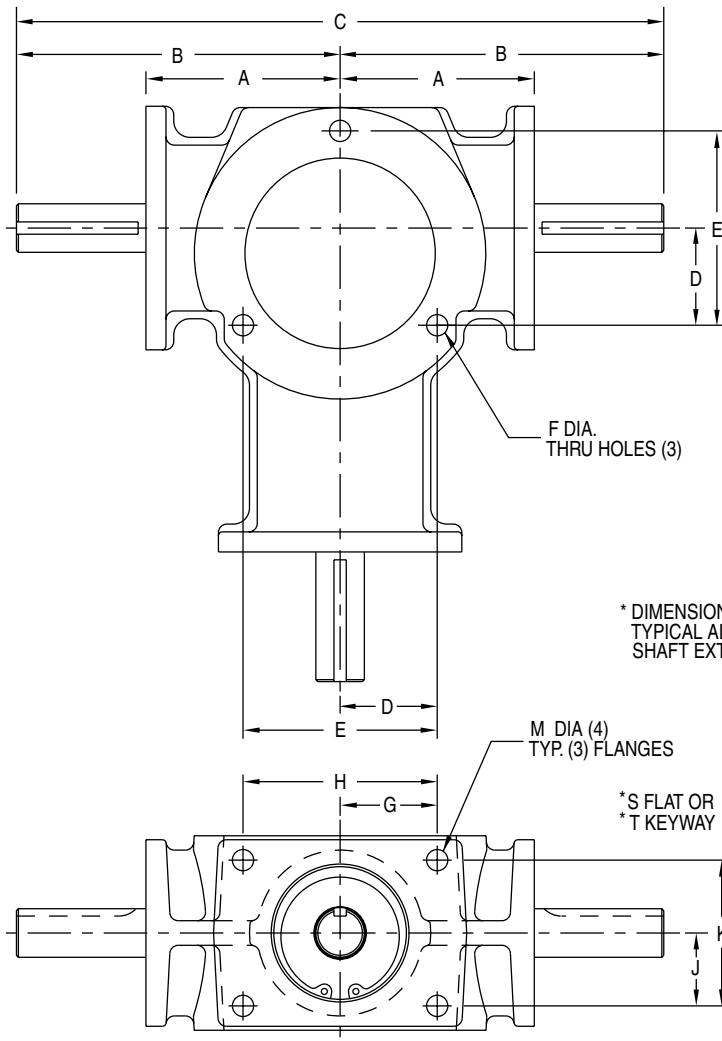


CONSULT FACTORY FOR VERTICAL SHAFT LUBRICATION RECOMMENDATIONS

INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION

Hub City Bevel Gear Drives

Models AD3, AD4, AD5



ALLOWABLE SHAFT LOADS ALL RATIOS AND SHAFTS

MODEL NO.	OVERHUNG LOAD**	THRUST LOAD
AD 3	100 lbs.	200 lbs.
AD 4	25 lbs.	50 lbs.
AD 5	50 lbs.	100 lbs.

** ASSUMES LOAD AT MIDPOINT OF SHAFT EXTENSION

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION S

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT: WWW.HUBCITYINC.COM

SHIPPING WEIGHTS

MODEL AD3 8-1/4 lbs.

MODEL AD4 1/2 lb.

MODEL AD5 2 lbs.

INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION

MODEL NO.	A	B	C	D	E	F	G	H	J	K	M
AD3	3	5	10	1.500	3.000	21/64	1.500	3.000	1.125	2.250	21/64
AD4	1-3/8	1-63/64	3-61/64	.656	1.312	13/64	.594	1.188	.438	.875	11/64
AD5	2-1/8	3-5/8	7-1/4	.937	1.875	17/64	.937	1.875	.687	1.375	17/64

MODEL NO.	N	P	Q	R	S	T	V
AD3	5	2	7	.750/.749	—	3/16 X 3/32 1-9/16 EFF. LGTH.	3.005/3.000
AD4	2-5/32	19/32	2-3/4	.3745/.3740	1/32 DEEP	.60 EFF. FLAT	1.255/1.250
AD5	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