

Hub City™ Worm Gear Drives

Double Reduction

PowerCubeX® Worm Speed Reducer Catalog Ratings

2400 Series • GW130 Primary • W240 Secondary

SERIES	INPUT RPM	UNIT RATIO	OUTPUT RPM	PRIM. RATIO	SEC. RATIO	ALL	CONVENTIONAL OIL		PAO SYNTHETIC OIL		PAG SYNTHETIC OIL	
						INPUT HP	EFF. %	OUTPUT TORQUE	EFF. %	OUTPUT TORQUE	EFF. %	OUTPUT TORQUE
2400	1750	50	35.0	5	10	1.40	67.3	1698	75.6	1908	80.4	2029
		75	23.3	5	15	1.05	63.8	1809	71.7	2033	76.3	2161
		100	17.5	5	20	0.84	60.7	1833	68.2	2060	72.5	2190
		150	11.7	10	15	0.60	59.0	1901	66.3	2136	70.5	2271
		200	8.75	10	20	0.48	55.8	1923	62.7	2161	66.6	2297
		250	7.00	10	25	0.40	53.2	1892	59.8	2126	63.6	2260
		300	5.83	20	15	0.34	52.7	1942	59.2	2182	62.9	2320
		400	4.38	20	20	0.28	49.4	1964	55.6	2207	59.1	2346
		500	3.50	25	20	0.236	46.3	1964	52.0	2207	55.3	2346
		600	2.92	20	30	0.211	43.5	1986	48.9	2231	52.0	2373
		750	2.33	25	30	0.181	40.6	1986	45.7	2231	48.5	2373
		900	1.94	30	30	0.159	38.5	1986	43.3	2231	46.0	2373
		1000	1.75	50	20	0.144	38.0	1964	42.7	2207	45.4	2346
		1200	1.46	40	30	0.129	35.6	1986	40.0	2231	42.5	2373
		1500	1.17	50	30	0.111	33.0	1986	37.1	2231	39.4	2373
		1800	0.97	60	30	0.101	30.2	1986	33.9	2231	36.1	2373
		2000	0.88	50	40	0.092	29.4	1950	33.0	2191	35.1	2330
		2400	0.73	60	40	0.084	26.8	1950	30.1	2191	32.0	2330
		3000	0.58	60	50	0.070	24.5	1851	27.6	2080	29.3	2211
		3600	0.49	60	60	0.053	23.9	1640	26.8	1843	28.5	1959

2600 Series • 130 Primary • 260 Secondary

SERIES	INPUT RPM	UNIT RATIO	OUTPUT RPM	PRIM. RATIO	SEC. RATIO	ALL	CONVENTIONAL OIL		PAO SYNTHETIC OIL		PAG SYNTHETIC OIL	
						INPUT HP	EFF. %	OUTPUT TORQUE	EFF. %	OUTPUT TORQUE	EFF. %	OUTPUT TORQUE
2600	1750	50	35.0	5	10	1.38	67.7	1681	76.0	1889	80.8	2009
		75	23.3	5	15	1.28	65.7	2273	73.8	2554	78.5	2715
		100	17.5	5	20	1.09	62.1	2428	69.7	2728	74.1	2901
		150	11.7	10	15	0.72	61.1	2381	68.7	2675	73.0	2844
		200	8.75	10	20	0.62	57.1	2550	64.2	2865	68.3	3046
		250	7.00	10	25	0.50	54.9	2488	61.7	2796	65.6	2972
		300	5.83	20	15	0.41	54.8	2429	61.5	2729	65.4	2902
		400	4.38	20	20	0.36	50.9	2604	57.2	2926	60.8	3111
		500	3.50	25	20	0.30	47.6	2604	53.5	2926	56.9	3111
		600	2.92	20	30	0.25	46.8	2485	52.5	2792	55.8	2969
		750	2.33	25	30	0.210	43.7	2485	49.1	2792	52.2	2969
		900	1.94	30	30	0.185	41.5	2485	46.6	2792	49.6	2969
		1000	1.75	50	20	0.184	39.2	2604	44.0	2926	46.8	3111
		1200	1.46	40	30	0.150	38.4	2485	43.2	2792	45.9	2969
		1500	1.17	50	30	0.129	35.6	2485	40.0	2792	42.6	2969
		1800	0.97	60	30	0.117	32.7	2485	36.7	2792	39.1	2969
		2000	0.88	50	40	0.116	30.9	2585	34.7	2905	36.9	3088
		2400	0.73	60	40	0.106	28.2	2585	31.7	2905	33.7	3088
		3000	0.58	60	50	0.086	26.1	2435	29.3	2736	31.2	2909
		3600	0.49	60	60	0.072	24.3	2261	27.3	2540	29.0	2701

ADDITIONAL RATINGS FOR OTHER INPUT SPEEDS ARE AVAILABLE AT: WWW.HUBCITYINC.COM

OVERHUNG LOAD AND THRUST LOAD INFORMATION

OVERHUNG LOAD - LOW SPEED SHAFT — MODELS 2401 AND 2404 1400 LBS. AT CENTER POINT OF SHAFT EXTENSION. MODELS 2402 AND 2405 NOT APPLICABLE. THRUST± UP OR DOWN 1450 LBS.

MODELS 2601 AND 2604 1150 LBS. AT CENTER POINT OF SHAFT EXTENSION. MODELS 2602 AND 2605 NOT APPLICABLE. THRUST± UP OR DOWN 1000 LBS.

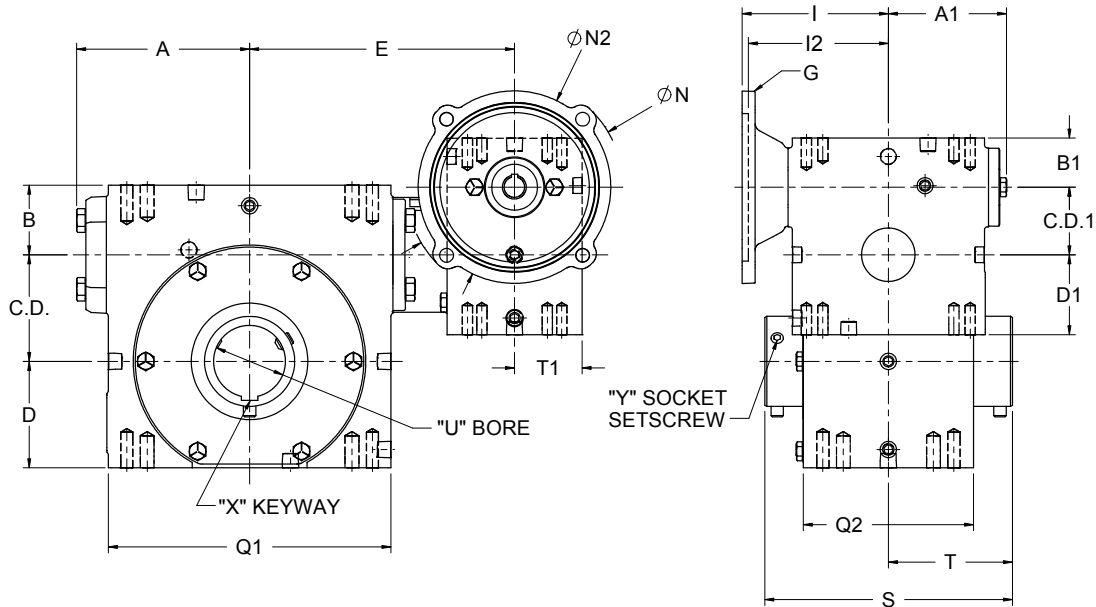
±OHL AND THRUST VALUES SHOWN ARE INDEPENDENT FUNCTIONS AND CANNOT BE APPLIED SIMULTANEOUSLY. REFER APPLICATIONS WITH COMBINED OHL AND THRUST TO REGAL CUSTOMER SERVICE DEPARTMENT.

OUTPUT TORQUE VALUES SHOWN ARE INCH-POUNDS (IN-LB).

Hub City™ Worm Gear Drives

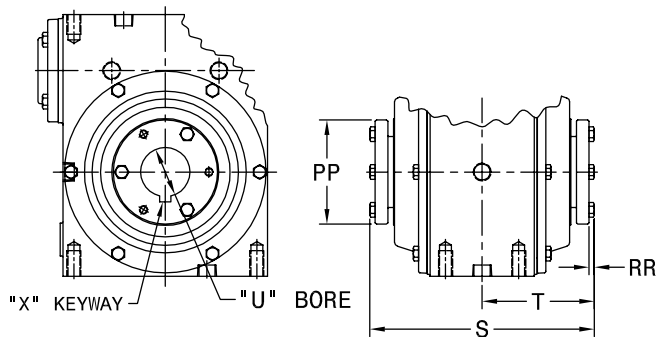
Double Reduction Models

1305, 1505, 1805, 2105, 2405, 2605, 3005, 3205, 3805, 4205, 4505, 5205, GW6005, GW7005, GW8005, GW10005



SPECIAL, METRIC AND SAE HYDRAULIC INPUT FLANGES AVAILABLE.
CONSULT FACTORY FOR COMPLETE SPECIFICATIONS.

QD™ Bushing Detail for Models 4505 & 5205



FOR LUBRICATION AND INSTALLATION INSTRUCTIONS
REFER TO SECTION M.

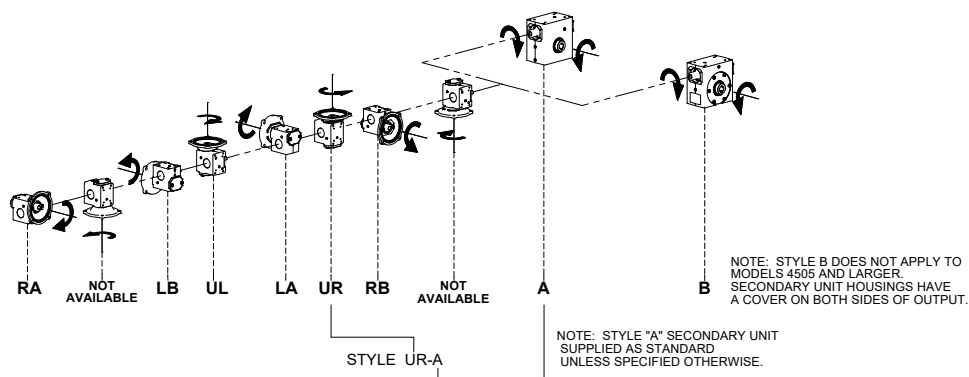
SHAFT MOUNTED UNITS REQUIRE TORQUE ARMS.
TORQUE ARM KITS ARE AVAILABLE. SEE PAGE B-105.

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
DOWNLOAD AVAILABLE CAD MODELS AT:
WWW.HUBCITYINC.COM

CONSULT FACTORY FOR VERTICAL SHAFT LUBRICATION
RECOMMENDATIONS.

INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION.

Standard Styles Available



Hub City™ Worm Gear Drives

Double Reduction Models

1305, 1505, 1805, 2105, 2405, 2605, 3005, 3205, 3805, 4205, 4505, 5205, GW6005, GW7005, GW8005, GW10005

MODEL	PRIMARY	SECONDARY	C.D.	A	B	D	Q1	Q2
1305	134	135-56C	1.334	2.61	1.186	1.562	4.12	3.12
1505	GW134	155	1.541	3.14	1.928	1.906	4.88	3.44
1805	134	185-56C	1.751	3.23	1.374	1.875	5.16	3.44
2105	134	215-56C	2.064	3.61	1.500	2.437	5.88	4.12
2405	GW134	245	2.376	3.77	2.061	2.500	6.12	4.06
2605	134	265-56C	2.626	4.33	1.874	2.938	7.20	4.50
3005	GW184	305	3.001	4.84	2.624	3.250	8.12	5.25
3205	214	325-143TC	3.251	5.28	2.124	3.250	8.62	5.20
3805	214	385-143TC	3.751	4.90	2.374	3.937	9.60	5.62
4205	GW214	425	4.251	6.10	2.686	4.438	10.25	6.13
4505	324	455-213TC	4.501	5.23	2.499	4.625	9.25	4.63
5205	324	525-213CT	5.168	5.98	2.624	5.375	10.75	5.06
GW6005	GW324	GW602	6.000	N/A	4.000	6.500	14.25	8.13
GW7005	GW324	GW702	7.000	N/A	4.320	7.590	14.88	7.63
GW8005	GW424	GW802	8.000	N/A	4.100	8.860	17.00	8.63
GW10005	GW454	GW1002	10.000	N/A	5.110	10.360	20.88	9.53

MODEL	E	T1	C.D.1	A1	B1	D1	WT. LBS.
1305	4.87	1.56	1.334	2.61	1.186	1.562	22
1505	5.85	1.84	1.334	2.61	1.610	1.720	26
1805	5.50	1.56	1.334	2.61	1.186	1.562	26
2105	5.87	1.56	1.334	2.61	1.186	1.562	36
2405	6.44	1.84	1.334	2.61	1.610	1.720	52
2605	6.58	1.56	1.334	2.61	1.186	1.562	48
3005	7.86	1.78	1.750	3.24	1.940	2.060	81
3205	8.09	2.06	2.064	3.61	1.500	2.437	90
3805	8.61	2.06	2.064	3.61	1.500	2.437	115
4205	9.18	1.91	2.060	3.61	2.020	2.280	135
4505	9.14	2.60	3.251	5.28	2.124	3.250	181
5205	9.89	2.60	3.251	5.28	2.124	3.250	209
GW6005	13.30	2.88	3.250	5.02	2.630	3.500	406
GW7005	12.96	2.88	3.250	5.02	2.630	3.500	482
GW8005	13.94	3.07	4.250	6.10	2.690	4.440	728
GW10005	17.05	3.60	5.250	7.50	3.630	5.120	1151

Stock Output Bores

MINIMUM AND MAXIMUM BORE DIMENSIONS SHOWN.
FOR ADDITIONAL STOCK OUTPUT BORE SIZES AND
STOCK QD™ BUSHING KITS AVAILABLE SEE PAGE B-96.

MODEL	U (MIN.)	U (MAX.)	S	T
1305	N/A	5/8	4.50	2.25
1505	N/A	5/8	5.42	2.71
1805	15/16	1	4.81	2.41
2105	15/16	1-1/2	5.56	2.78
2405	1	1-1/2	6.00	3.00
2605	1	1-1/2	5.93	2.97
3005	1-3/16	2-3/16	7.50	3.75
3205	1-7/16	2-3/16	7.56	3.78
3805	1-7/16	2-3/16	7.56	3.78
4205	1-7/16	2-3/16	8.50	4.25
4505	QD BUSHING KIT REQUIRED		10.00	5.00
5205			11.13	5.56
GW6005	2	3-7/16	11.50	5.75
GW7005	2-7/16	3-15/16	13.50	6.75
GW8005	3-7/16	4-7/16	14.50	7.25
GW10005	3-7/16	5-7/16	18.50	9.25

MODEL	G	I	I2	N	N2
1305	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
1505	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
1805	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
2105	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
2405	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
2605	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
3005	48CZ	4.09	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
3205	48CZ	4.46	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
3805	48CZ	4.46	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
4205	48CZ	4.46	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
4505	56C	6.14	N/A	6.50	6.50
	143TC				
	182TC	N/A	6.34	9.00	9.00
	213TC		6.90		
5205	56C	6.14	N/A	6.50	6.50
	143TC				
	182TC	N/A	6.34	9.00	9.00
	213TC		6.90		
GW6005	56C	6.14	N/A	6.50	6.50
	143TC				
	182TC	N/A	6.34	9.00	9.00
	213TC		6.90		
GW7005	56C	6.14	N/A	6.50	6.50
	143TC				
	182TC	N/A	6.34	9.00	9.00
	213TC		6.90		
GW8005	56C	6.45	N/A	6.50	6.50
	143TC				
	182TC	N/A	7.21	9.00	9.00
	213TC		7.77		
GW10005	56C	7.85	N/A	6.50	6.50
	143TC				
	182TC	N/A	8.61	9.00	9.00
	213TC		9.17		
	254TC	N/A			



Select hollow output bore models in this product line are now available with the HubLoc® keyless bushing system. Refer to pages i and ii at front of this catalog for features, available sizes, and ordering information.