

Hub City™ Worm Gear Drives

Double Reduction

PowerCubeX® Worm Speed Reducer Catalog Ratings

3800 Series • 210 Primary • 380 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
3800	1750	50	35.0	5	10	3.89	69.0	4836	77.6	5434	82.5	5777
		75	23.3	5	15	3.89	65.0	6828	73.0	7672	77.6	8157
		100	17.5	5	20	3.29	65.9	7805	74.1	8770	78.8	9324
		150	11.7	10	15	2.50	60.2	8131	67.6	9136	71.9	9713
		200	8.75	10	20	1.90	57.6	7883	64.7	8857	68.8	9417
		250	7.00	5	50	1.42	47.8	5866	53.7	6591	57.1	7008
		300	5.83	20	15	1.47	54.2	8607	60.9	9671	64.7	10283
		400	4.38	20	20	1.34	51.5	7883	57.9	8857	61.5	9417
		500	3.50	25	20	1.06	49.1	7883	55.2	8857	58.6	9417
		600	2.92	20	30	0.66	43.1	9913	48.5	11138	51.5	11843
		750	2.33	25	30	0.90	40.7	9913	45.8	11138	48.7	11843
		900	1.94	30	30	1.06	38.1	9913	42.9	11138	45.6	11843
		1000	1.75	50	20	0.66	40.6	7883	45.6	8857	48.5	9417
		1200	1.46	40	30	0.90	35.0	9913	39.3	11138	41.8	11843
		1500	1.17	50	30	0.80	33.0	9913	37.1	11138	39.4	11843
		1800	0.97	60	30	0.54	29.6	9913	33.3	11138	35.4	11843
		2000	0.88	50	40	0.59	30.2	7998	34.0	8987	36.1	9555
		2400	0.73	60	40	0.66	27.0	7998	30.4	8987	32.3	9555
		3000	0.58	60	50	0.230	24.5	6106	27.6	6861	29.3	7295
		3600	0.49	60	60	0.169	22.4	4921	25.2	5529	26.8	5879

4200 Series • GW210 Primary • W420 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
4200	1750	50	35.0	5	10	3.89	70.2	4915	78.8	5522	83.8	5871
		75	23.3	5	15	3.89	66.8	7018	75.1	7886	79.8	8385
		100	17.5	5	20	3.89	64.3	9007	72.2	10121	76.8	10760
		150	11.7	10	15	2.50	62.7	8472	70.5	9519	74.9	10121
		200	8.75	10	20	2.50	60.0	10811	67.5	12147	71.7	12915
		250	7.00	5	50	2.27	51.7	10553	58.1	11857	61.8	12607
		300	5.83	20	15	2.18	56.9	9034	63.9	10150	68.0	10792
		400	4.38	20	20	1.19	54.1	11608	60.8	13043	64.6	13867
		500	3.50	25	20	1.47	52.3	11214	58.8	12600	62.5	13397
		600	2.92	20	30	1.88	47.6	12545	53.4	14096	56.8	14987
		750	2.33	25	30	1.01	45.8	12545	51.4	14096	54.7	14987
		900	1.94	30	30	0.66	43.4	12545	48.8	14096	51.9	14987
		1000	1.75	50	20	1.19	44.1	10494	49.6	11791	52.7	12537
		1200	1.46	40	30	1.22	40.2	12545	45.2	14096	48.0	14987
		1500	1.17	50	30	0.66	38.2	12545	42.9	14096	45.6	14987
		1800	0.97	60	30	1.01	35.1	12545	39.5	14096	42.0	14987
		2000	0.88	50	40	0.89	34.9	12512	39.2	14058	41.6	14947
		2400	0.73	60	40	0.66	32.1	12512	36.0	14058	38.3	14947
		3000	0.58	60	50	0.83	29.7	11808	33.4	13267	35.5	14106
		3600	0.49	60	60	0.72	27.7	10972	31.2	12328	33.1	13108

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

OVERHUNG LOAD AND THRUST LOAD INFORMATION

OVERHUNG LOAD - LOW SPEED SHAFT — MODELS 3801 AND 3804 1,600 LBS. AT CENTER POINT OF SHAFT EXTENSION. MODELS 3802 AND 3805 NOT APPLICABLE.

MODELS 3807 AND 3808 — OHL± 1,970 LBS., TO± THRUST OUT 1,950 LBS. AND TI± THRUST IN 1,500 LBS. THRUST± UP OR DOWN 1,500 LBS.

OVERHUNG LOAD - LOW SPEED SHAFT — MODELS 4201 AND 4204 1,400 LBS. AT CENTER POINT OF SHAFT EXTENSION. MODELS 4202 AND 4205 NOT APPLICABLE. THRUST± UP OR DOWN 1,450 LBS.

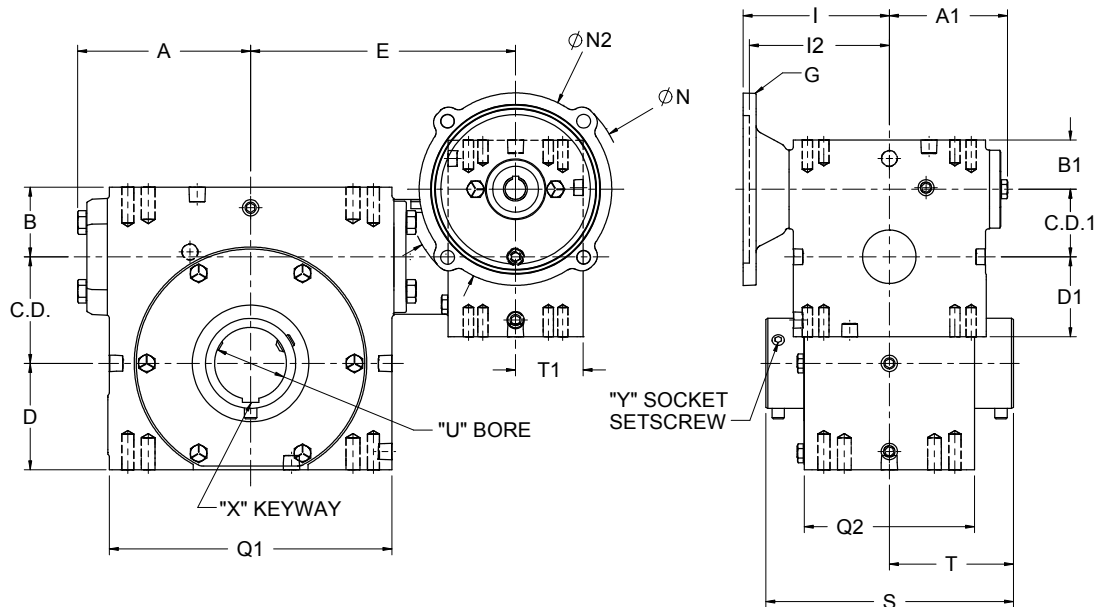
±OHL AND THRUST VALUES SHOWN ARE INDEPENDENT FUNCTIONS AND CANNOT BE APPLIED SIMULTANEOUSLY. REFER APPLICATIONS WITH COMBINED OHL AND THRUST TO REGAL CUSTOMER SERVICE DEPARTMENT.

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

Hub City™ Worm Gear Drives

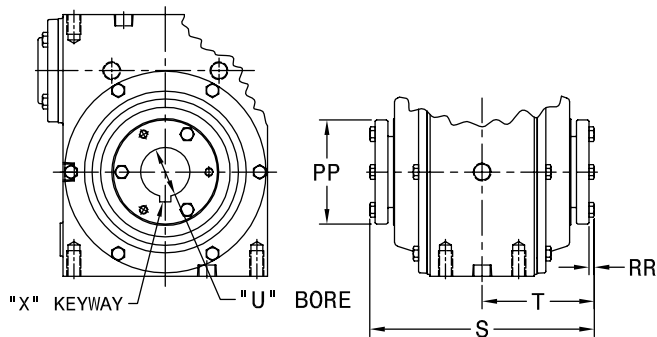
Double Reduction Models

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.

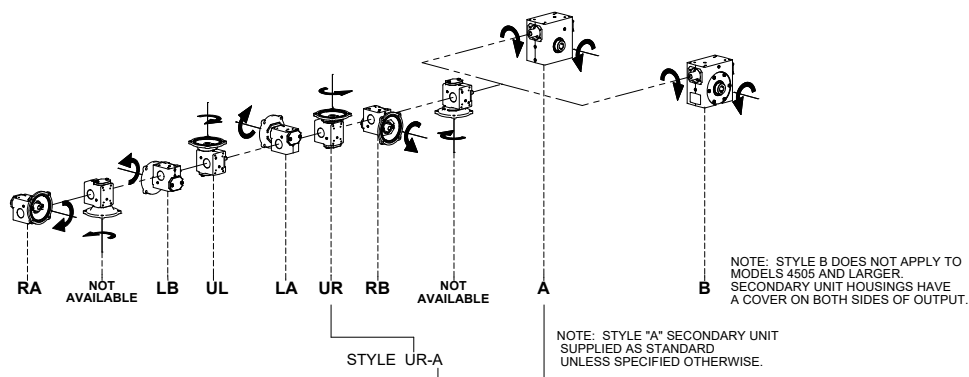
SHAFT MOUNTED UNITS REQUIRE TORQUE ARMS.
TORQUE ARM KITS ARE AVAILABLE. SEE PAGE B-105.

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.