

Hub City™ Worm Gear Drives

Double Reduction PowerCubeX® Worm Speed Reducer Catalog Ratings

1800 Series • 130 Primary • 180 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
1800	1750	50	35.0	5	10	0.551	66.6	661	74.9	743	79.6	790
		75	23.3	5	15	0.446	61.8	744	69.4	836	73.8	889
		100	17.5	5	20	0.333	59.8	717	67.1	806	71.4	857
		150	11.7	10	15	0.251	57.1	775	64.1	871	68.2	926
		200	8.75	10	20	0.187	55.0	742	61.8	834	65.7	886
		250	7.00	10	25	0.152	52.7	721	59.3	810	63.0	861
		300	5.83	20	15	0.143	50.9	788	57.2	885	60.8	941
		400	4.38	20	20	0.107	49.0	754	55.0	847	58.5	901
		500	3.50	25	20	0.091	45.9	754	51.6	847	54.9	901
		600	2.92	20	30	0.091	41.1	806	46.1	906	49.1	963
		750	2.33	25	30	0.078	38.3	806	43.0	906	45.8	963
		900	1.94	30	30	0.068	36.3	806	40.8	906	43.4	963
		1000	1.75	50	20	0.056	37.5	754	42.1	847	44.8	901
		1200	1.46	40	30	0.056	33.1	806	37.2	906	39.5	963
		1500	1.17	50	30	0.048	30.9	806	34.7	906	36.9	963
		1800	0.97	60	30	0.044	28.3	806	31.8	906	33.8	963
		2000	0.88	50	40	0.036	28.8	748	32.4	840	34.4	894
		2400	0.73	60	40	0.033	26.4	748	29.7	840	31.6	894
		3000	0.58	60	50	0.027	24.5	702	27.5	789	29.2	839
		3600	0.49	60	60	0.023	22.2	666	24.9	748	26.5	796

2100 Series • 130 Primary • 210 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
2100	1750	50	35.0	5	10	0.89	67.2	1071	75.4	1203	80.2	1279
		75	23.3	5	15	0.66	63.8	1141	71.6	1282	76.2	1363
		100	17.5	5	20	0.53	60.5	1163	68.0	1307	72.3	1389
		150	11.7	10	15	0.37	59.1	1190	66.4	1337	70.6	1422
		200	8.75	10	20	0.30	55.7	1211	62.6	1361	66.5	1447
		250	7.00	10	25	0.238	53.9	1157	60.5	1300	64.4	1382
		300	5.83	20	15	0.212	52.9	1211	59.4	1361	63.2	1447
		400	4.38	20	20	0.173	49.5	1233	55.6	1385	59.2	1473
		500	3.50	25	20	0.147	46.4	1233	52.2	1385	55.5	1473
		600	2.92	20	30	0.130	43.9	1238	49.3	1391	52.5	1479
		750	2.33	25	30	0.112	41.0	1238	46.1	1391	49.0	1479
		900	1.94	30	30	0.098	38.9	1238	43.7	1391	46.5	1479
		1000	1.75	50	20	0.090	38.0	1233	42.8	1385	45.5	1473
		1200	1.46	40	30	0.081	35.6	1238	40.0	1391	42.5	1479
		1500	1.17	50	30	0.069	33.2	1238	37.3	1391	39.7	1479
		1800	0.97	60	30	0.063	30.5	1238	34.2	1391	36.4	1479
		2000	0.88	50	40	0.058	29.4	1224	33.1	1375	35.2	1462
		2400	0.73	60	40	0.053	26.9	1224	30.3	1375	32.2	1462
		3000	0.58	60	50	0.041	25.4	1128	28.5	1267	30.3	1348
		3600	0.49	60	60	0.040	21.8	1127	24.5	1266	26.1	1346

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

OVERHUNG LOAD AND THRUST LOAD INFORMATION

OVERHUNG LOAD - LOW SPEED SHAFT - MODELS 1801 AND 1804 550 LBS. AT CENTER POINT OF SHAFT EXTENSION. MODELS 1802, AND 1805 NOT APPLICABLE. THRUST† UP OR DOWN 600 LBS.

OVERHUNG LOAD - LOW SPEED SHAFT — MODELS 2101 AND 2104 550 LBS. AT CENTER POINT OF SHAFT EXTENSION.

MODELS 2102 AND 2105 NOT APPLICABLE.

THRUST† UP OR DOWN 600 LBS.

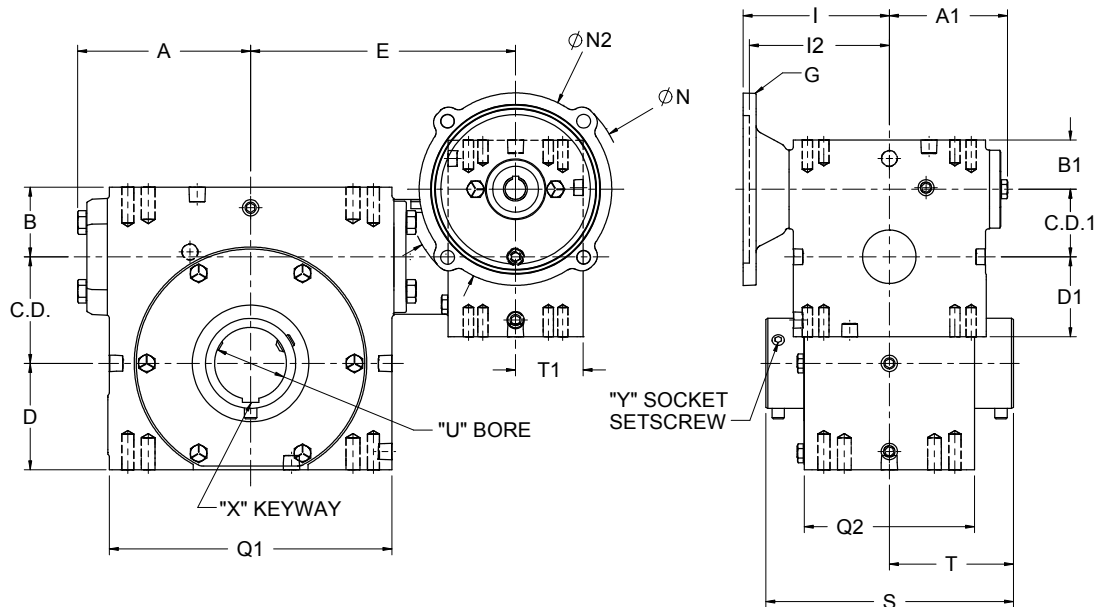
†OHL AND THRUST VALUES SHOWN ARE INDEPENDENT FUNCTIONS AND CANNOT BE APPLIED SIMULTANEOUSLY. REFER APPLICATIONS WITH COMBINED OHL AND THRUST TO REGAL CUSTOMER SERVICE DEPARTMENT.

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

Hub City™ Worm Gear Drives

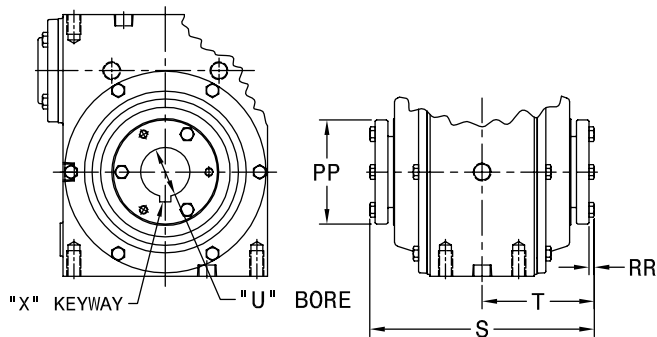
Double Reduction Models

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.

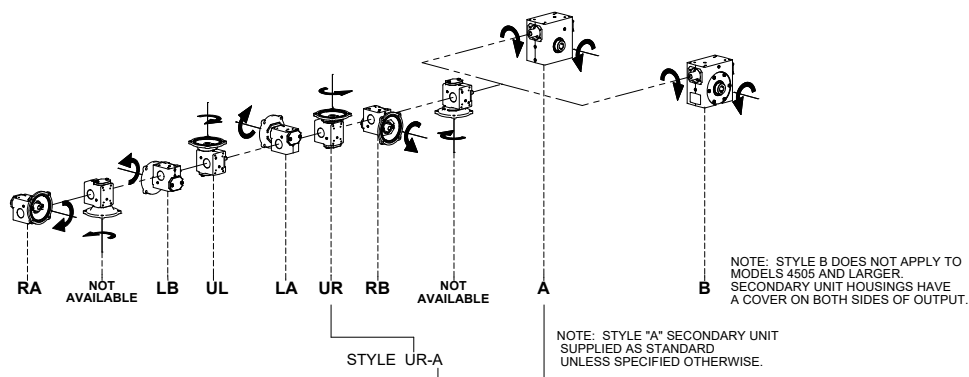
SHAFT MOUNTED UNITS REQUIRE TORQUE ARMS.
TORQUE ARM KITS ARE AVAILABLE. SEE PAGE B-105.

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.