Hub City™ Worm Gear Drives

Double Reduction

GW Series Catalog Ratings

Series GW60D & GW70D

SERIES	INPUT RPM	RATIO	OUTPUT RPM	MECH. INPUT HP	CONVENTIONAL OIL		PAO SYNTHETIC OIL		PAG SYNTHETIC OIL	
					EFF. %	MECH. OUTPUT TORQUE	EFF. %	MECH. OUTPUT TORQUE	EFF. %	MECH. OUTPUT TORQUE
GW60D	1750	75	23.1	9.10	78.4	19271	80.4	19753	81.9	20138
		100	16.5	8.67	68.6	21417	70.3	21952	71.7	22381
		150	11.4	5.95	73.3	23471	75.1	24058	76.6	24527
		200	8.54	4.95	69.0	24607	70.7	25222	72.1	25714
		250	7.14	4.25	64.9	24841	66.5	25462	67.8	25959
		300	5.69	3.61	65.9	25821	67.5	26467	68.8	26983
		400	4.27	3.01	61.4	26473	63.0	27135	64.2	27664
		500	3.41	2.52	59.3	26872	60.8	27544	62.0	28081
		600	2.85	2.24	55.7	27151	57.1	27830	58.2	28373
		750	2.38	1.93	51.8	27386	53.1	28071	54.1	28618
		900	1.98	1.62	51.0	27434	52.3	28120	53.3	28669
		1000	1.75	1.61	49.2	27737	50.4	28430	51.4	28985
		1200	1.42	1.40	47.0	27683	48.1	28375	49.1	28929
		1500	1.19	1.24	43.1	28088	44.2	28790	45.1	29352
		1800	0.99	1.00	40.1	25273	41.1	25905	41.9	26410
		2400	0.73	0.84	36.9	27893	37.9	28590	38.6	29148
		3000	0.58	0.75	34.0	26792	34.9	27462	35.5	27998
		3600	0.49	0.65	28.0	23067	28.7	23644	29.3	24105
GW70D	1750	75	23.1	9.13	82.7	20601	84.8	21116	86.4	21528
		100	16.5	9.13	79.1	27535	81.1	28223	82.6	28774
		150	11.4	7.25	76.3	30621	78.2	31387	79.7	31999
		200	8.54	5.81	74.4	31857	76.2	32653	77.7	33291
		250	7.14	4.90	72.2	31238	74.1	32019	75.5	32644
		300	5.69	4.27	70.0	33136	71.8	33964	73.2	34627
		400	4.27	3.41	67.2	33805	68.8	34650	70.2	35326
		500	3.41	2.86	64.7	34209	66.3	35064	67.6	35748
		600	2.85	2.53	61.7	34477	63.2	35339	64.4	36028
		750	2.38	2.13	59.6	33682	61.1	34524	62.3	35198
		900	1.98	1.73	58.4	32016	59.8	32816	61.0	33457
		1000	1.75	1.73	54.9	35031	56.2	35907	57.3	36607
		1200	1.42	1.52	52.2	35168	53.5	36047	54.6	36751
		1500	1.19	1.28	50.6	34325	51.9	35183	52.9	35870
		1800	0.99	1.04	49.1	32580	50.4	33395	51.3	34046
		2400	0.73	0.90	43.3	33661	44.4	34503	45.2	35176
		3000	0.58	0.76	39.7	32512	40.7	33325	41.5	33975
		3600	0.49	0.60	37.8	29307	38.7	30040	39.5	30626

OVERHUNG LOAD AND THRUST LOAD INFORMATION

NOTE: ALL TORQUE VALUES LISTED IN INCH-POUNDS, ALL OVERHUNG LOAD VALUES LISTED IN POUNDS. THE POINT OF APPLICATION OF THE OVERHUNG LOAD IS CONSIDERED TO BE ONE SHAFT DIAMETER MEASURED OUTWARD FROM THE GEAR CASE HOUSING. AT SPEEDS ABOVE 1750 RPM, UNITS MAY BECOME THERMALLY LIMITED. FOR EXTENDED OPERATION, LIMIT INPUT HP TO 1750 RPM CATALOG RATING.

THRUST AND OVERHUNG LOAD RATINGS (LBS.)	GW60D	GW70D
Thrust Load Ratings (Low Speed Shaft, All Ratios)	3990	4009
Overhung Load Capacity* (High Speed Shaft, All Ratios)	150	150
Overhung Load Capacity* (Low Speed Shaft, All Ratios)	3723	6209
Overhung Load Capacity** (Extended Brg Design Output Shaft, All Ratios)	2245	3791

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

* 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.

* THE POINT OF APPLICATION OF THE OVERHUNG LOAD IS CONSIDERED TO BE ONE SHAFT DIAMETER MEASURED OUTWARD FROM THE GEARCASE HOUSING.

**LOAD LOCATED AT END OF OUTPUT SHAFT.

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

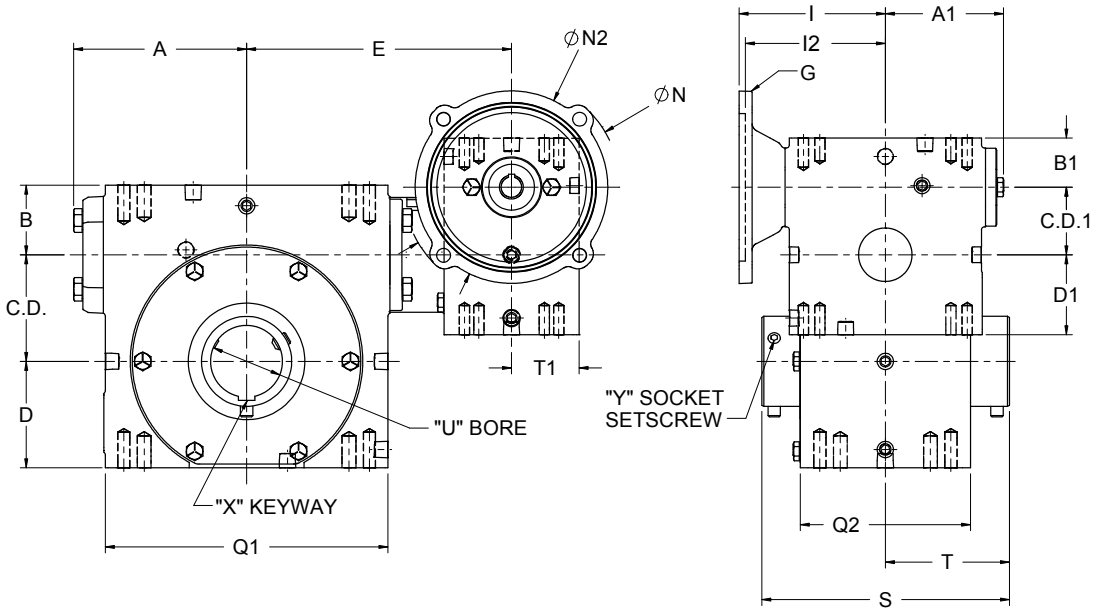
CALL: (605) 225-0360 • FAX: (605) 225-0567

Hub City™ Worm Gear Drives

Double Reduction

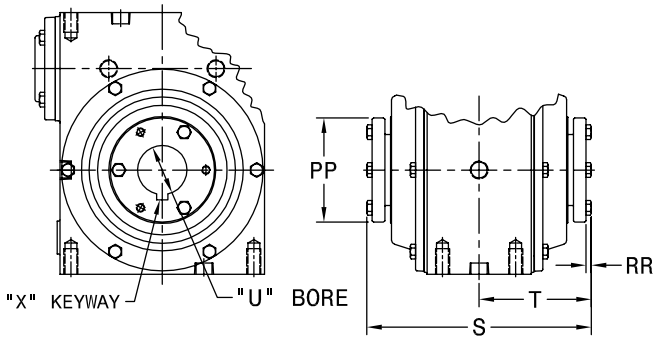
Models

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.

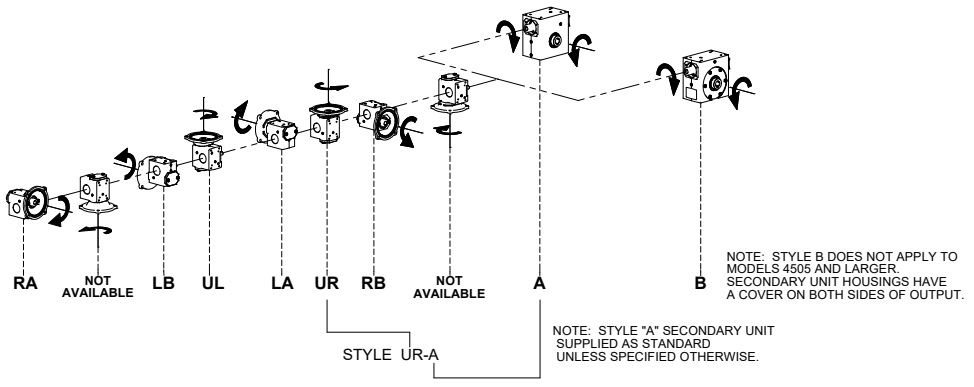
SHAFT MOUNTED UNITS REQUIRE TORQUE ARMS. TORQUE ARM KITS ARE AVAILABLE. SEE PAGE B-105.

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



CALL: (605) 225-0360 • FAX: (605) 225-0567

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		10.00	5.00
5205	REQUIRED		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				
	254TC		7.77		
GW10005	56C	7.85	N/A	6.50	6.50
	143TC				
	182TC	N/A	8.61	9.00	9.00
	213TC				
	254TC	N/A	9.17		

NEW!

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.