

Hub City™ Worm Gear Drives

Single Reduction

PowerCubeX® Worm Speed Reducer Catalog Ratings

Series W240

SERIES	INPUT RPM	RATIO	OUTPUT RPM	CONVENTIONAL OIL					PAO SYNTHETIC OIL			PAG SYNTHETIC OIL		
				MECH. INPUT HP	EFF. %	MECH. OUTPUT TORQUE	THERMAL INPUT HP	THERMAL OUTPUT TORQUE	INPUT HP	EFF. %	OUTPUT TORQUE	INPUT HP	EFF. %	OUTPUT TORQUE
W240	2500	5	500	6.63	87.4	731	3.98	439	6.63	92.6	774	6.63	95.5	798
		7.5	333	5.27	86.3	859	2.88	469	5.27	91.5	911	5.27	94.3	939
		10	250	4.17	85.5	900	3.11	671	4.17	90.7	954	4.17	93.5	983
		15	167	3.12	83.3	983	1.90	599	3.12	88.3	1042	3.12	91.0	1074
		20	125	2.47	81.1	1012	2.10	860	2.47	86.0	1073	2.47	88.7	1106
		25	100	2.05	79.3	1024	1.89	944	2.05	84.1	1086	2.05	86.7	1119
		30	83.3	1.76	76.9	1022	1.05	604	1.76	81.5	1084	1.76	84.0	1117
		40	62.5	1.37	73.2	1014	1.10	816	1.37	77.6	1075	1.37	80.0	1109
		50	50.0	1.12	70.2	989	1.10	973	1.12	74.5	1049	1.12	76.8	1081
		60	41.7	0.90	68.7	940	0.64	669	0.90	72.8	996	0.90	75.1	1027
	1750	80	31.3	0.60	63.9	779	0.56	722	0.60	67.7	826	0.60	69.8	851
		100	25.0	0.40	60.0	612	0.38	579	0.40	63.6	649	0.40	65.5	669
		5	350	5.69	86.6	888	3.89	606	5.69	91.9	941	5.69	94.7	970
		7.5	233	4.53	85.4	1046	2.78	643	4.53	90.5	1109	4.53	93.3	1143
		10	175	3.69	84.5	1123	3.00	910	3.69	89.6	1190	3.69	92.3	1227
		15	117	2.75	81.9	1216	1.82	803	2.75	86.8	1289	2.75	89.5	1329
		20	87.5	2.17	79.5	1245	2.00	1138	2.17	84.2	1320	2.17	86.8	1360
		25	70.0	1.79	77.4	1248	1.79	1244	1.79	82.1	1323	1.79	84.6	1364
		30	58.3	1.56	74.7	1258	1.00	796	1.56	79.1	1334	1.56	81.6	1375
		40	43.8	1.22	70.6	1244	1.05	1071	1.22	74.8	1319	1.22	77.1	1360
	1170	50	35.0	1.00	67.4	1203	1.00	1203	1.00	71.4	1276	1.00	73.6	1315
		60	29.2	0.79	65.7	1119	0.61	863	0.79	69.7	1186	0.79	71.8	1222
		80	21.9	0.53	60.6	922	0.50	840	0.53	64.2	977	0.53	66.2	1007
		100	17.5	0.35	56.5	720	0.33	670	0.35	59.9	763	0.35	61.7	787
		5	234	4.72	85.7	1090	3.52	813	4.72	90.8	1156	4.72	93.7	1192
		7.5	156	3.75	84.2	1277	2.16	736	3.75	89.3	1354	3.75	92.1	1395
		10	117	3.00	83.2	1333	2.81	1263	3.00	88.2	1413	3.00	90.9	1456
		15	78.0	2.21	80.2	1433	1.74	1130	2.21	85.0	1519	2.21	87.7	1566
		20	58.5	1.75	77.4	1461	1.75	1461	1.75	82.1	1549	1.75	84.6	1597
		25	46.8	1.50	75.1	1455	1.50	1455	1.50	79.6	1542	1.50	82.1	1590
		30	39.0	1.27	72.0	1477	1.00	1124	1.27	76.3	1566	1.27	78.7	1614
	100	40	29.3	1.00	67.5	1457	1.00	1457	1.00	71.6	1545	1.00	73.8	1592
		50	23.4	0.81	64.0	1400	0.81	1400	0.81	67.9	1484	0.81	70.0	1530
		60	19.5	0.63	62.4	1280	0.61	1237	0.63	66.1	1357	0.63	68.1	1398
		80	14.6	0.43	56.9	1050	0.40	974	0.43	60.4	1113	0.43	62.2	1147
		100	11.7	0.29	52.7	816	0.27	769	0.29	55.9	865	0.29	57.6	892
		5	20.0	0.63	79.6	1593	THERMAL EQUALS MECHANICAL		0.63	84.4	1688	0.63	87.0	1741
		7.5	13.3	0.51	77.0	1846			0.51	81.6	1956	0.51	84.1	2017
		10	10.0	0.380	75.6	1828			0.380	80.1	1938	0.380	82.6	1998
		15	6.7	0.290	70.7	1942			0.290	75.0	2059	0.290	77.3	2122
		20	5.0	0.234	66.5	1964			0.234	70.5	2082	0.234	72.7	2146
		25	4.0	0.194	63.3	1930			0.194	67.1	2046	0.194	69.2	2109
		30	3.3	0.179	58.6	1986			0.179	62.2	2106	0.179	64.1	2171
		40	2.5	0.146	52.8	1950			0.146	56.0	2067	0.146	57.7	2131
		50	2.0	0.120	48.8	1851			0.120	51.7	1963	0.120	53.3	2023
		60	1.7	0.091	47.5	1640			0.091	50.4	1739	0.091	51.9	1792
		80	1.3	0.063	41.7	1335			0.063	44.2	1415	0.063	45.6	1459
		100	1.0	0.043	37.6	1028			0.043	39.8	1090	0.043	41.1	1124

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

OVERHUNG LOAD AND THRUST LOAD INFORMATION

OVERHUNG LOAD - LOW SPEED SHAFT — MODELS 241 AND 244 1400 LBS. AT CENTER POINT OF SHAFT EXTENSION. MODELS 242 AND 245 NOT APPLICABLE. THRUST± UP OR DOWN 1450 LBS.

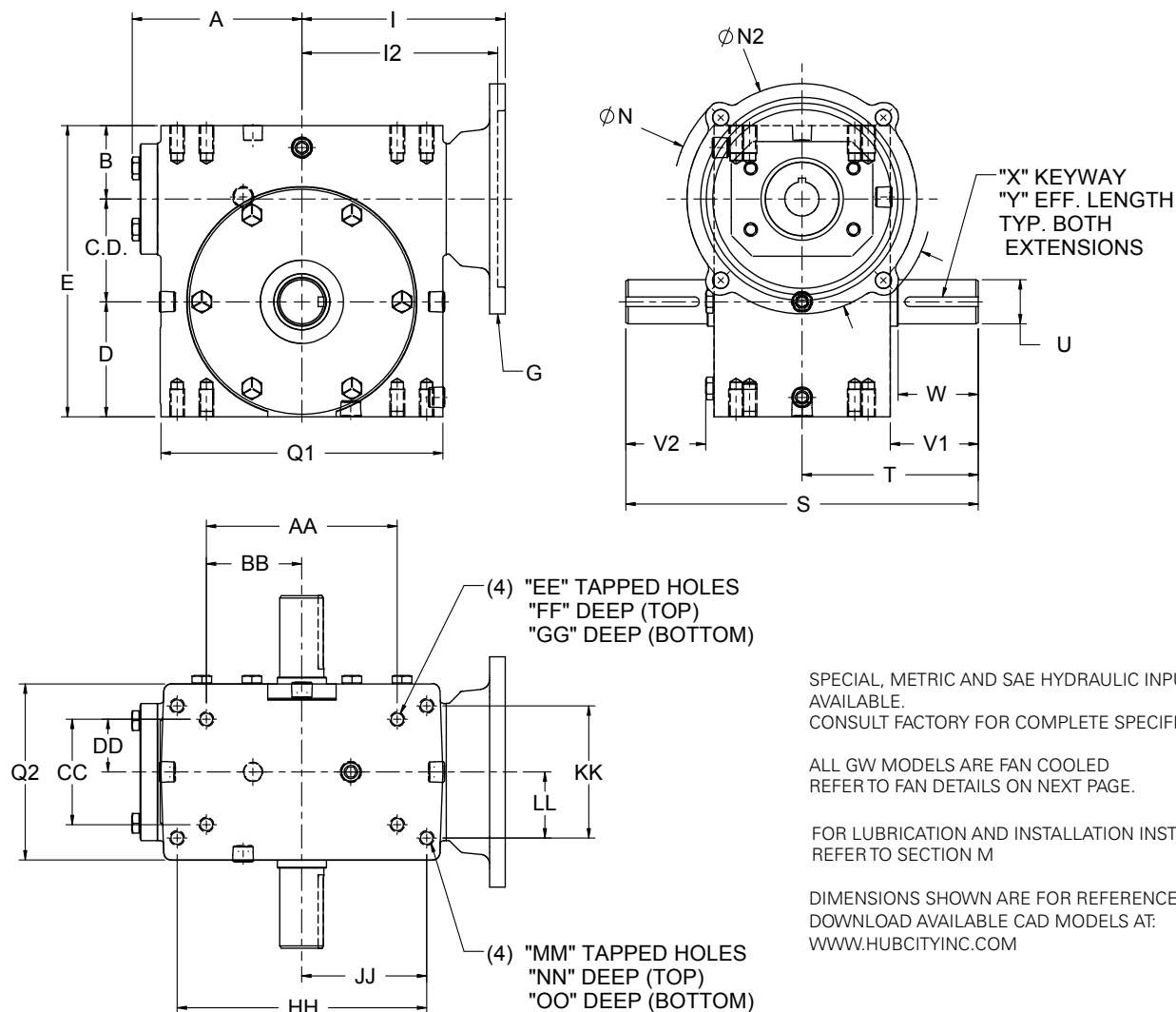
±OHL AND THRUST VALUES SHOWN ARE INDEPENDENT FUNCTIONS AND CANNOT BE APPLIED SIMULTANEOUSLY. REFER APPLICATIONS WITH COMBINED OHL AND THRUST TO REGAL CUSTOMER SERVICE DEPARTMENT.

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

Hub City™ Worm Gear Drives

Single Reduction Models

134, 154, 184, 214, 244, 264, 304, 324, 384, 424, 454, 524, GW604



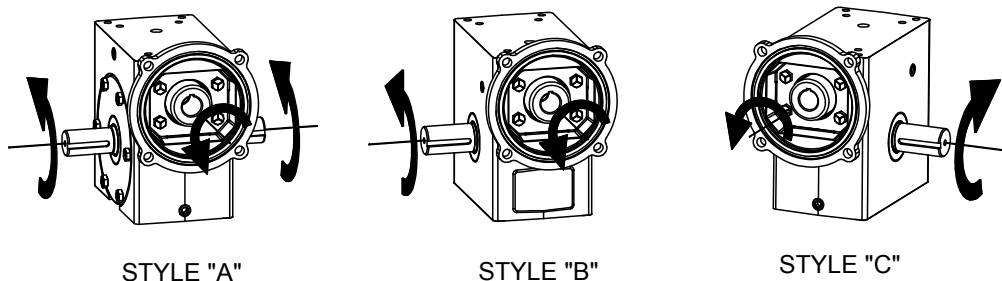
SPECIAL, METRIC AND SAE HYDRAULIC INPUT FLANGES AVAILABLE.
CONSULT FACTORY FOR COMPLETE SPECIFICATIONS.

ALL GW MODELS ARE FAN COOLED
REFER TO FAN DETAILS ON NEXT PAGE.

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS -
REFER TO SECTION M

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

Standard Styles Available



CONSULT FACTORY FOR VERTICAL SHAFT LUBRICATION RECOMMENDATIONS.
INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION.

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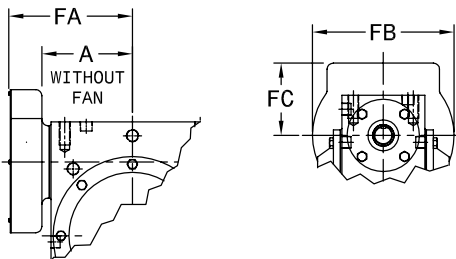
134, 154, 184, 214, 244, 264, 304, 324, 384, 424, 454, 524, GW604

MODEL	C.D.	A	B	D	E	Q1	Q2
134	1.334	2.61	1.186	1.562	4.082	4.12	3.12
154	1.541	3.14	1.928	1.906	5.375	4.88	3.44
184	1.751	3.23	1.374	1.875	5.000	5.16	3.44
214	2.064	3.61	1.500	2.437	6.000	5.88	4.12
244	2.376	3.77	2.061	2.500	6.937	6.12	4.06
264	2.626	4.33	1.874	2.938	7.438	7.20	4.50
304	3.001	4.84	2.624	3.250	8.875	8.12	5.25
324	3.251	5.28	2.124	3.250	8.625	8.62	5.20
384	3.751	4.90	2.374	3.937	10.062	9.60	5.62
424	4.251	6.10	2.686	4.438	11.375	10.25	6.13
454	4.501	5.23	2.499	4.625	11.625	9.25	4.63
524	5.168	5.98	2.624	5.375	13.167	10.75	5.06
GW604	6.000	N/A	4.000	6.500	16.500	14.25	8.13

MODEL	S	T	U	V1	V2	W	X	Y
134	6.50	3.25	.625/.624	1.69	1.53	1.60	3/16 X 3/32	1.38
154	8.62	4.31	.750/.7485	2.11	1.90	2.08	3/16 X 3/32	1.51
184	7.00	3.50	.750/.749	1.78	1.57	1.54	3/16 X 3/32	1.41
214	8.50	4.25	.875/.874	2.19	1.98	1.95	3/16 X 3/32	1.83
244	10.28	5.14	1.125/1.1235	2.66	2.44	2.62	1/4 x 1/8	1.76
264	9.00	4.50	1.250/1.249	2.25	2.04	N/A	1/4 x 1/8	1.85
304	13.50	6.75	1.250/1.2485	3.60	3.36	3.57	1/4 X 1/8	2.26
324	10.88	5.44	1.375/1.374	2.84	2.62	2.75	5/16 X 5/32	2.31
384	13.38	6.69	1.500/1.499	3.88	N/A	N/A	3/8 X 3/16	3.16
424	16.24	8.12	1.875/1.8735	4.50	4.21	4.47	1/2 X 1/4	3.06
454 **	14.50	7.25	1.625/1.624	4.18	N/A	3.90	3/8 X 3/16	3.28
524 ***	15.62	7.81	1.750/1.749	4.47	N/A	4.17	3/8 X 3/16	3.50
GW604	20.00	10.00	2.500	4.65	4.65	N/A	5/8 X 5/16 P&W	4.00

** ALSO AVAILABLE WITH 1.750/1.749 (U) DIAMETER OUTPUT SHAFT. CONSULT FACTORY.
 *** ALSO AVAILABLE WITH 2.000/1.999 (U) DIAMETER OUTPUT SHAFT. CONSULT FACTORY.

Fan Detail for Model GW604



MODEL	A	FA	FB	FC
GW604	N/A	11.13	9.50	4.00

ALL GW MODELS ARE FAN COOLED.

MODEL	G	I	I2	N	N2
134	48CZ	3.46	N/A	4.36	3.87
	56C			6.63	6.50
154	48CZ	3.99	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
184	48CZ	4.09	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
214	48CZ	4.46	N/A	4.36	3.87
	56C			6.63	6.50
	143TC				
244	56C	4.63	N/A	6.50	6.50
	143TC				
	182TC			5.06	9.00
264	56C	5.19	N/A	6.50	6.50
	143TC				
	182TC			5.81	9.00
304	56C	5.95	N/A	6.50	6.50
	143TC				
	182TC			6.15	9.00
	213TC			6.71	
324	56C	6.14	N/A	6.50	6.50
	143TC				
	182TC			6.34	9.00
	213TC			6.90	
384	56C	6.50	N/A	6.50	6.50
	143TC				
	182TC			6.88	9.00
424	56C	6.45	N/A	6.50	6.50
	143TC				
	182TC				
	213TC			7.21	9.00
	254TC			7.77	
454	56C	6.75	N/A	6.50	6.50
	143TC				
	182TC			6.75	9.00
	213TC				
524 *	182TC	N/A	7.50	9.00	9.00
	213TC				
GW604	56C	10.45	N/A	6.50	6.50
	143TC				
	182TC				
	213TC			9.33	9.00
	254TC			9.94	

* 56C & 143TC FLANGES AVAILABLE AS MODIFIED STANDARDS

MODEL	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	MM	NN	OO	Wt. Lbs.
134	2.250	1.125	1.625	0.813	1/4 UNC	0.50	0.50	3.250	1.625	2.000	1.000	5/16 UNC	0.50	0.50	12
154	4.188	2.094	2.750	1.375	5/16 UNC	0.63	0.63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16
184	3.125	1.563	1.625	0.813	1/4 UNC	0.50	0.50	4.188	2.094	2.750	1.375	5/16 UNC	0.63	0.63	16
214	4.000	2.000	2.000	1.000	3/8 UNC	0.50	0.70	5.000	2.500	2.875	1.438	3/8 UNC	0.70	0.70	25
244	5.000	2.500	2.875	1.438	3/8 UNC	0.69	0.69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	38
264	4.875	2.438	2.688	1.344	3/8 UNC	0.70	0.70	6.375	3.188	3.375	1.688	3/8 UNC	0.70	0.70	38
304	7.000	3.500	4.000	2.000	7/16 UNC	0.88	0.88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	61
324	6.250	3.125	2.750	1.375	1/2 UNC	0.75	0.75	7.500	3.750	4.000	2.000	7/16 UNC	0.88	0.88	67
384	6.875	3.438	3.000	1.500	1/2 UNC	0.94	1.00	8.500	4.250	4.750	2.375	1/2 UNC	1.00	1.00	90
424	8.500	4.250	5.000	2.500	5/8 UNC	1.00	1.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	112
454	8.125	4.063	3.250	1.625	5/8 UNC	0.88	1.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	112
524	9.500	4.750	3.750	1.875	5/8 UNC	1.00	1.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	138
GW604	12.750	6.375	6.380	3.190	5/8 UNC	1.00	1.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	324