

## GEAR OPERATOR/ACTUATOR APPROXIMATE TORQUE & SIZING DETAILS

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GATE	150	2	55.5	19.05	14.82	150	285	315	3/4-6 ACME-2G-LH	4.240	1	391.70	552.86	587.78	0.91	1.43	1.57	60
		2.5	69.0	19.05	14.52	150	285	315	3/4-6 ACME-2G-LH	4.240	1	489.43	689.87	734.83	1.04	1.63	1.79	83
		3	84.0	22.23	17.99	150	285	315	7/8-6 ACME-2G-LH	4.240	1	594.02	647.61	904.52	1.37	2.14	2.35	85
		4*	110.5	25.40	20.32	150	285	315	1.00-5 ACME-2G-LH	5.080	1	790.49	1153.42	1235.23	2.16	3.37	3.71	116
		5*	134.0	28.58	23.50	150	285	315	1~1-1/8-5 ACME-2G-LH	5.080	1	1130.40	1552.44	1667.35	3.08	4.73	5.20	143
		6*	161.0	28.58	23.50	150	285	315	1-1/8-5 ACME-2G-LH	5.080	1	1363.38	2009.14	2154.73	4.57	7.14	7.85	166
		8*	211.5	31.75	26.67	150	285	315	1-1/4-5 ACME-2G-LH	5.080	1	2101.77	3187.97	3453.36	7.83	12.24	13.46	218
		10*	260.5	34.93	28.58	150	285	315	1-3/8-4 ACME-2G-LH	6.350	1	2809.67	4576.49	4971.90	10.44	16.32	17.95	273
		12	316.0	38.10	31.75	150	285	315	1-1/2-4 ACME-2G-LH	6.350	2	3780.64	6272.41	6830.61	15.66	24.47	26.92	334
		14	345.0	41.28	34.93	150	285	315	1-5/8-4 ACME-2G-LH	6.350	2	4642.24	7687.34	8374.68	21.20	33.14	36.45	362
		16	401.0	44.45	38.10	150	285	315	1-3/4-4 ACME-2G-LH	6.350	2	5828.49	9771.33	10661.34	27.08	42.32	46.55	449
		18	445.0	47.63	41.28	150	285	315	1-7/8-4 ACME-2G-LH	6.350	2	7339.61	12350.33	13481.52	33.94	53.03	58.33	479
		20	492.0	50.80	44.45	150	285	315	2.00-4 ACME-2G-LH	6.350	2	8867.70	15068.52	16468.43	44.38	69.34	76.27	532
		24	598.0	57.15	48.68	150	285	315	2-1/4-3 ACME-2G-LH	8.458	2	12152.09	20937.26	22920.69	78.64	122.88	135.17	623
		26	648.0	63.50		150	285	315	2-1/2-3 ACME-2G-LH	8.467	2	22132.81	34204.77	37625.25	84.84	132.56	145.82	705
		30	746.0	69.85	61.38	150	285	315	2-3/4-3 ACME-2G-LH	8.467	2	26892.25	41483.87	45632.25	112.59	175.92	193.51	794
		36	884.0	76.20	79.37	150	285	315	3~3-1/8-2 ACME-2G-LH	12.700	2	32188.62	46819.82	51501.78	188.45	294.46	323.91	926

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GATE	300	2	58.0	19.05	14.82	300	740	815	3/4-6 ACME-2G-LH	4.240	1	594.64	1066.37	1153.26	1.66	2.86	3.15	66
		2.5	72.5	19.05	14.82	300	740	815	3/4-6 ACME-2G-LH	4.240	1	736.48	1338.86	1448.11	1.95	3.37	3.71	80
		3	84.0	22.23	17.99	300	740	815	7/8-6 ACME-2G-LH	4.240	1	904.00	1671.51	1810.02	2.66	4.59	5.05	91
		4*	110.5	25.40	20.32	300	740	815	1.00-5 ACME-2G-LH	5.080	1	1313.33	2478.74	2686.91	4.55	7.85	8.63	114
		5*	137.0	28.58	23.50	300	740	815	1-1/8-5 ACME-2G-LH	5.080	1	1747.18	3355.85	3643.17	6.21	10.71	11.78	135
		6*	161.0	31.75	26.67	300	740	815	1-1/4-5 ACME-2G-LH	5.080	1	2196.19	4297.84	4670.92	10.06	17.34	19.07	168
		8*	211.5	34.93	28.58	300	740	815	1-3/8-4 ACME-2G-LH	6.350	1	3367.16	7057.92	7705.26	15.55	26.82	29.50	221
		10*	265.0	38.10	31.75	300	740	815	1-1/2-4 ACME-2G-LH	6.350	2	4810.74	10402.50	11373.05	24.36	42.01	46.21	284
		12	321.0	41.28	34.93	300	740	815	1-5/8-4 ACME-2G-LH	6.350	2	6580.68	14461.37	14789.68	35.48	61.18	67.30	354
		14	344.0	44.45	38.10	300	740	815	1-3/4-4 ACME-2G-LH	6.350	2	8196.49	17958.90	19649.60	45.54	78.52	86.37	374
		16	395.0	47.63	41.28	300	740	815	1-7/8-4 ACME-2G-LH	6.350	2	10399.84	23087.29	25279.75	58.55	100.95	110.04	421
		18	440.0	50.80	44.45	300	740	815	2.00-4 ACME-2G-LH	6.350	2	12677.52	28315.41	31022.15	76.88	132.56	145.82	461
		20	492.0	53.98	45.51	300	740	815	2-1/8-3 ACME-2G-LH	8.467	2	15640.66	35113.81	38478.18	100.54	173.35	190.68	519
		24	593.0	63.50	55.03	300	740	815	2-1/2-3 ACME-2G-LH	8.467	2	20040.12	42093.24	45847.39	141.94	244.73	269.20	638
		26	692.0	76.20	63.50	300	740	815	2-3/4~3-2~3 ACME-2G-LH		2	29407.14	45714.78	50286.21	159.68	275.32	302.85	698
		30	765.0	79.38	66.68	300	740	815	2-7/8~3-1/8-2 ACME-2G-LH	12.700	2	34565.60	53419.57	58761.52	283.89	489.47	538.42	775
		36	883.0	82.60	74.42	300	740	815	3~3-1/4-2 ACME-2G-LH	12.700	2	37411.92	57818.41	63600.25	301.63	520.06	572.00	919

\*API603 stainless gate valves the torque can be 10% lower but only in 100NB to 250NB 150 to 300 class, please consult us. \*\* Thread size & pitch can vary.

ID = BODY SEAT DIAMETER      OD1 = STEM MAX DIAMETER      OD2 = STEM MIN DIAMETER  
 WP1 = MEDIUM WORKING PRESSURE      CWP = COLD MAX. WORK PRESSURE      STP = SEAT TEST PRESSURE  
 TH-CL = THRUST FOR WP1      TH-CW = THRUST FOR CWP (MAX CWP)      TH-ST = THRUST FOR STP  
 TQ-CL - TORQUE FOR WP1      TQ-CW = TORQUE FOR CWP (MAX CWP)      TQ-ST = TORQUE FOR STP      Note:- Kgf-m X9.807 = Nm

Note:- This table is a general guide only, all figures can vary depending on trim, bonnet type, disc/wedge type, hand/wheel size, packing and other factors. It should be used for estimation purposes only as specifications can and do change. Contact us for specifications as and when required. No safety factor included. Torques shown are with graphite stem packing (bolted bonnet design), PTFE packing will be lower torque.

# TORQTURN



## GEAR OPERATOR/ACTUATOR APPROXIMATE TORQUE & SIZING DETAILS

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)	(inch)	Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GATE	600	2	53.0	19.05	14.82	600	1480	1630	3/4-6 ACME-2G-LH	4.230	1	904.35	1817.02	1980.50	2.44	4.89	5.38	66
		3	80.0	25.40	20.32	600	1480	1630	1.00-5 ACME-2G-LH	5.080	1	1481.72	3063.90	3344.43	4.59	9.18	10.10	81
		4	105.5	28.58	23.50	600	1480	1630	1-1/8-5 ACME-2G-LH	5.080	1	2206.80	4611.44	5036.30	7.65	15.30	16.38	113
		6	156.0	38.10	31.75	600	1480	1630	1-1/2-4 ACME-2G-LH	6.350	2	4170.35	8671.88	9694.14	21.41	42.83	47.11	165
		8	210.0	41.28	34.93	600	1480	1630	1-5/8-4 ACME-2G-LH	6.350	2	6009.17	12985.94	14232.14	36.71	73.42	80.76	221
		10	255.0	47.63	41.28	600	1480	1630	1-7/8-4 ACME-2G-LH	6.350	2	8680.09	19574.13	21464.88	66.28	132.56	145.82	270
		12	306.0	50.80	44.45	600	1480	1630	2.00-4 ACME-2G-LH	6.350	2	12048.49	27441.13	30113.40	80.56	161.12	177.23	320
		14	355.0	57.15	48.68	600	1480	1630	2-1/4-3 ACME-2G-LH	8.467	2	14165.48	32290.13	35436.05	97.28	194.56	214.02	376
		16	384.0	60.33	51.86	600	1480	1630	2-3/8-3 ACME-2G-LH	8.467	2	18402.56	42262.64	46396.28	116.40	232.80	256.08	427
		18	427.0	63.50	55.03	600	1480	1630	2-1/2-3 ACME-2G-LH	8.467	2	22689.11	52358.20	57487.87	148.57	297.15	326.86	453
		20	470.0			600	1480	1630	2-3/4-3 ACME-2G-LH	8.467	2	35601.28	69421.50	78948.57	203.94	407.89	448.68	644
		24	570.0	76.20	63.50	600	1480	1630	3.00-2 ACME-2G-LH	12.700	2	41258.19	78946.70	94668.52	331.41	662.82	662.82	705

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)	(inch)	Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GATE	900	2	47			900	2220	2445	1.00-5 ACME-2G-LH	5.080			26345.1		5.51	9.18	10.10	63.5
		3	72			900	2220	2445	1-1/8-5 ACME-2G-LH	5.080			39853.3		11.62	19.37	21.31	88.9
		4	98			900	2220	2445	1-1/4-4~5 ACME-2G-LH	5.080			63077.6		17.32	28.86	31.75	114.3
		6	146			900	2220	2445	1-5/8-4 ACME-2G-LH-DL*	6.350			114175.7			71.38	78.52	165.1
		8	190			900	2220	2445	1-7/8-4 ACME-2G-LH-DL*	6.350			178346.4			147.86		241.3
		10	238			900	2220	2445	2-1/8-3 ACME-2G-LH-DL*	8.467			274945.1			187.32		279.4
		12	282			900	2220	2445	2-1/4-3 ACME-2G-LH-DL*	8.467			374215.5			244.73		330.2

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)	(inch)	Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GATE	1500	2	47		26	1500	3705	4080	1.00-5 ACME-2G-LH	5.080			36387.8		7.65	12.75	14.02	
		3	69		32	1500	3705	4080	1-1/4-5 ACME-2G-LH	5.080			62215.8		16.88	28.14	30.95	
		4	92		36	1500	3705	4080	1-3/8-4 ACME-2G-LH	6.350			89363.7			38.04	41.85	
		6	136		46	1500	3705	4080	1-3/4-4 ACME-2G-LH	6.350			177865.6			101.77		
		8	177		56	1500	3705	4080	2-1/8-3 ACME-2G-LH	8.467			281349.9			187.22		
		10	222		65	1500	3705	4080	2-1/2-3 ACME-2G-LH	8.467			407691.1			308.36		

\*DL = Double sided. \*\*Thread size & pitch can vary.

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WP1 = MEDIUM WORKING PRESSURE      CWP = COLD MAX. WORK PRESSURE      STP = SEAT TEST PRESSURE

TH-CL = THRUST FOR WP1      TH-CW = THRUST FOR CWP (MAX CWP)      TH-ST = THRUST FOR STP

TQ-CL = TORQUE FOR WP1      TQ-CW = TORQUE FOR CWP (MAX CWP)      TQ-ST = TORQUE FOR STP      Note:- Kgf-m X9.807 = Nm

Note:- This table is a general guide only, all figures can vary depending on trim, bonnet type, handwheel size, disc/wedge type, packing and other factors. It should be used for estimation purposes only as specifications can and do change. Contact us for specifications as and when required. No safety factor included. Torques shown are with graphite stem packing (bolted bonnet design), PTFE packing will be lower torque. The stem size (and therefore pitch, thread, etc.) of gate & globe valves can vary depending on service, required safety factor, packing type, wedge/disc type, etc.

~ Australian Pipeline Valve are specialist short lead time manufacturers of valves, actuators and gearboxes ~

## GEAR OPERATOR/ACTUATOR APPROXIMATE TORQUE & SIZING DETAILS

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GLOBE	150	2	50	19.05	14.82	150	285	315	3/4-6 ACME-2G	4.240	1	482.500	719.72	773.23	1.30	2.04	2.24	25
		2.5	62	22.23	17.99	150	285	315	7/8-6 ACME-2G	4.240	1	694.400	1065.14	1147.77	2.55	3.98	4.38	25
		3	74	25.40	20.32	150	285	315	1.00-5 ACME-2G	5.080	1	935.120	1465.14	1584.71	3.26	5.10	5.61	31
		4	100	28.58	23.50	150	285	315	1-1/8-5 ACME-2G	5.080	1	1315.800	2110.26	2289.53	4.89	7.65	8.41	38
		5	125	31.75	26.67	150	285	315	1-1/4-5 ACME-2G	5.080	1	1778.890	2907.49	3162.17	7.83	12.24	13.46	40
		6	144	31.75	26.67	150	285	315	1-1/4-5 ACME-2G	5.080	1	2507.730	4180.11	4557.54	12.79	19.99	21.99	41
		8	200	34.93	28.58	150	285	315	1-3/8-4 ACME-2G	6.350	1	4098.470	7001.41	7656.64	17.62	27.53	30.28	53
		10	228	41.28	34.93	150	285	315	1-5/8~1-3/4-4 ACME-2G	6.350	1	5712.510	9898.82	10843.79	32.63	50.99	56.09	61
		12	288	50.80	44.45	150	285	315	2.00-4 ACME-2G	6.350	1	8097.860	14217.29	15598.70	58.73	91.77	100.95	61
		14	304	60.33	51.86	150	285	315	2-3/8-3~4 ACME-2G	8.467	1	9389.570	16568.13	18188.67	84.84	132.56	145.82	117
16	374	63.50	55.03	150	285	315	2~2-1/2-3 ACME-2G	8.467	1	13685.420	24425.54	26850.21	124.00	193.75	213.12	119		

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GLOBE	300	2	50.0	19.05	14.82	300	74	815	3/4-6~8 ACME-2G	4.240	1	747.74	1518.15	1650.46	1.84	4.08	4.49	30
		2.5	62.0	22.23	17.99	300	74	815	7/8-6 ACME-2G	4.240	1	1103.34	2303.66	2509.53	2.98	6.63	7.29	32
		3	74.0	25.40	20.32	300	74	815	1.00-5 ACME-2G	5.080	1	1525.32	3250.51	3546.33	4.13	9.18	10.10	28
		4	100.0	28.58	23.50	300	74	815	1~1-1/8-5 ACME-2G	5.080	1	2197.30	4783.51	5235.98	7.80	17.34	19.07	32
		5	115.0	31.75	26.67	300	74	815	1~1-1/4-5 ACME-2G	5.080	1	3030.37	6707.64	7337.47	13.76	30.59	33.65	56
		6	148.0	34.93	25.58	300	74	815	1-3/8-4 ACME-2G	6.350	1	4364.14	9817.40	10753.41	18.35	40.79	44.87	56
		8	190.0	50.80	44.45	300	74	815	1-5/8~2-4 ACME-2G	6.350	1	7322.76	16796.40	18421.40	47.16	104.81	115.29	74
		10	228.0	50.80	44.45	300	74	815	1-3/4~2-4 ACME-2G	6.350	1	10361.27	20425.78	26368.77	77.52	172.27	189.50	100
		12	295.0	60.33	51.86	300	74	815	2~2-3/8-3 ACME-2G	8.467	1	14881.66	34853.99	38276.77	112.46	249.91	274.90	112
		14	304.0	63.50		300	74	815	2~2-1/2-3 ACME-2G	8.467	1	17338.90	40762.30	44775.71	140.70	312.66	343.93	113
16	368.0	69.90		300	74	815	2~2-3/4-3 ACME-2G	8.467	1	24810.51	58782.48	64601.36	215.59	479.10	527.01	148		
18	444.5	76.20	63.50	300	74	815												

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		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GLOBE	600	2	50.0	22.23	17.99	600	1480	1630	7/8-1.00-5~6 ACME-2G	4.240	1	1273.06	2809.70	3073.78	4.40	9.79	10.77	25
		3	76.0	31.75	26.67	600	1480	1630	1-1/4-5 ACME-2G	5.080	1	2581.09	5862.04	6425.21	10.32	22.94	25.23	40
		4	101.6	34.93	28.58	600	1480	1630	1-3/8~1-1/2-4 ACME-2G	6.350	1	6776.10	14173.60	15443.28	24.77	55.06	60.57	50
		6	143.0	50.80	44.45	600	1480	1630	2.00-4 ACME-2G	6.350	1	8397.61	19727.16	21670.31	59.65	132.56	145.82	75
		8	178.0	60.33	51.86	600	1480	1630	2-1/4-3 ACME-2G	8.467	1	12473.29	29539.80	32466.54	100.95	224.34	246.77	100
		10	245.0	57.15	48.68	600	1480	1630	2 1/8~2 3/4-3 ACME-2G	8.467	1	18715.57	44644.18	49089.43	169.33	376.28	413.91	125
		12	250.0	69.85	61.38	600	1480	1630	2-1/8~2 3/4-3 ACME-2G	8.467	1	23692.71	56721.22	62383.00	234.03	520.06	572.07	135
		14	294.0	73.00	64.57	600	1480	1630										

**ID** = BODY SEAT DIAMETER      **OD1** = STEM MAX DIAMETER      **OD2** = STEM MIN DIAMETER  
**WP1** = MEDIUM WORKING PRESSURE      **CWP** = COLD MAX. WORK PRESSURE      **STP** = SEAT TEST PRESSURE  
**TH-CL** = THRUST FOR WP1      **TH-CW** = THRUST FOR CWP (MAX CWP)      **TH-ST** = THRUST FOR STP  
**TQ-CL** = TORQUE FOR WP1      **TQ-CW** = TORQUE FOR CWP (MAX CWP)      **TQ-ST** = TORQUE FOR STP      **Note:- Kgf-m X9.807 = Nm**

*~ Go to our website for catalogues on Diamond Gear® quarter turn and multi-turn gearboxes as well as Torqturn® pneumatic scotch yoke actuators in spring return and double acting styles ~*

Note:- This table is a general guide only, all figures can vary depending on trim, bonnet type, handwheel size, disc/wedge type, packing and other factors. It should be used for estimation purposes only as specifications can and do change. Contact us for specifications as and when required. No safety factor included. Torques shown are with graphite stem packing (bolted bonnet design), PTFE packing will be lower torque. The stem size (and therefore pitch, thread, etc.) of gate & globe valves can vary depending on service, required safety factor, packing type, wedge/disc type, etc.

## GEAR OPERATOR/ACTUATOR APPROXIMATE TORQUE & SIZING DETAILS

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT	
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)	
GLOBE	900	2	47		32.0	900	2220	2445	1-1/4-5 ACME-2G-RH	5.080			26345.1		12.23	20.39	22.43		
		3	72		38.0	900	2220	2445	1-1/4~1 1/2-4~5 ACME-2G-RH	6.350			39853.3		18.35	30.59	33.65		
		4	98		42.0	900	2220	2445	1-3/8~1-5/8-4 ACME-2G-RH	6.350			63077.6			67.30	74.03		
		6	146		54.0	900	2220	2445	1-3/4~2-1/4-3 ACME-2G-RH	8.467			114175.7			152.96			
		8	190		63.5	900	2220	2445	2-1/4~3-3 ACME-2G-LH	8.467			178346.4			305.92			
		10	238		66.0	900	2220	2445	2-1/2~3-3 ACME-2G-LH	8.467									
		12	282		58.0	900	2220	2445	3~3-1/4-2 ACME-2G-LH	12.700									

TYPE	CLASS	SIZE	ID	OD1	OD2	WP1	CWP	STP	THREAD**	PITCH**	LEAD	TH-CL	TH-CW	TH-ST	TQ-CL	TQ-CW	TQ-ST	LIFT
		Inch	(mm)	(mm)	(mm)	(PSIG)	(PSIG)	(PSIG)	(stem thread OD-thread p/inch)	(mm)		Kgf	Kgf	Kgf	Kgf-m	Kgf-m	Kgf-m	(mm)
GLOBE	1500	2	47		26	1500	3705	4080	1-1/4-5 ACME-2G-LH	5.080			0.0			28.55		
		3	69		32	1500	3705	4080	1-1/4~1-3/4-4~5 ACME-2G-RH/LH	5.080								
		4	92		36	1500	3705	4080										
		6	136		46	1500	3705	4080										
		8	177		56	1500	3705	4080										

\*\* Thread size & pitch can vary.

ID = BODY SEAT DIAMETER

OD1 = STEM MAX DIAMETER

OD2 = STEM MIN DIAMETER

WP1 = MEDIUM WORKING PRESSURE

CWP = COLD MAX. WORK PRESSURE

STP = SEAT TEST PRESSURE

TH-CL = THRUST FOR WP1

TH-CW = THRUST FOR CWP (MAX CWP)

TH-ST = THRUST FOR STP

TQ-CL = TORQUE FOR WP1

TQ-CW = TORQUE FOR CWP (MAX CWP)

TQ-ST = TORQUE FOR STP

Note:- Kgf-m X9.807 = Nm

Note:- This table is a general guide only, all figures can vary depending on trim, bonnet type, handwheel size, disc/wedge type, packing and other factors. It should be used for estimation purposes only as specifications can and do change. Contact us for specifications as and when required. No safety factor included. Torques shown are with graphite stem packing (bolted bonnet design), PTFE packing will be lower torque. The stem size (and therefore pitch, thread, etc.) of gate & globe valves can vary depending on service, required safety factor, packing type, wedge/disc type, etc.

[www.australianpipelinevalve.com.au](http://www.australianpipelinevalve.com.au)

*Also go to the Technical section of our website for formulae and conversion factors for quarter turn worm gearboxes.*

*~ Manufacturing:- Torqturn® pneumatic and hydraulic actuators up to 30,000NM, Diamond Gear® multi-turn bevel gearboxes, quarter turn worm gearboxes and declutchable quarter turn gearboxes as well as a full range of ball, butterfly, check, gate, globe, needle and plug valves ~*