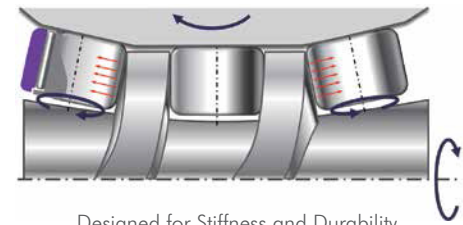


CAMCO Servo Positioner **GTB Series** Rotary Table



Zero Backlash Roller Gear Cam Mechanism

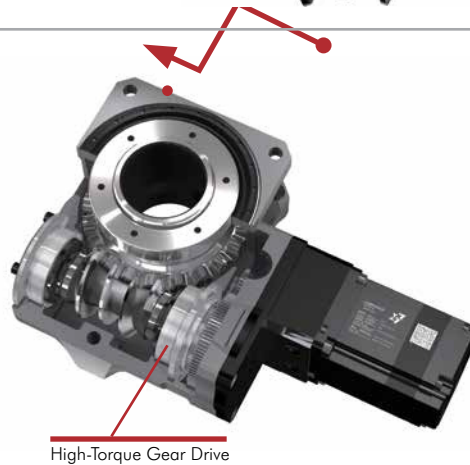
Innovative roller gear design provides exceptionally smooth motion performance. The globoidal cam and output turret with integrated rollers are a preloaded system that delivers zero backlash for superior accuracy, stiffness and long term durability.



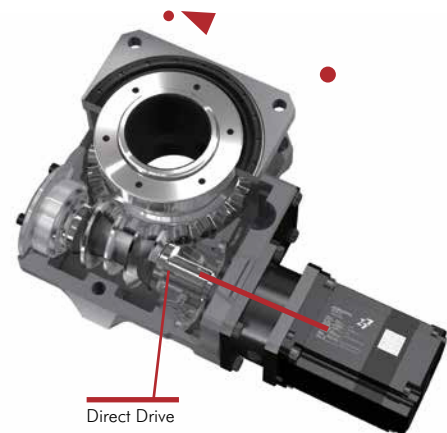
Designed for Stiffness and Durability

Flexible Drive Options

Each GTB model can be ordered in two different drive options. The high-torque gear drive option is used for applications with large inertia requirements while maintaining a small motor size. The direct drive option provides zero backlash, high precision operation. Both options interface with an array of servo motor suppliers.



High-Torque Gear Drive



Direct Drive

General Specifications	Symbol	Units	GTB40		GTB63		GTB80		GTB100	
			Direct	Geared	Direct	Geared	Direct	Geared	Direct	Geared
Motor Coupling			Direct	Geared	Direct	Geared	Direct	Geared	Direct	Geared
Constant lead ratio			15:1	45:1	20:1	60:1	20:1	60:1	20:1	60:1
Center distance		mm	40		63		80		100	
Through hole diameter	∅	mm	25		50		75		85	
Accuracy		arcsec	90		60		40		40	
Allowable static torque	T _s	Nm	176		411		600		1341	
Max start / stop torque	T _U	Nm	94		210		307		880	
Allowable mean output speed	N _m Max	rpm	86		55		50		45	
Allowable ultimate output speed	N _U Max	rpm	100		70		60		50	
Allowable axial capacity on output	P _a max	N	1100		1850		3632		4100	
Allowable radial capacity on output	P _r max	N	740		1500		3100		3420	
Allowable moment capacity on output	P _{mean} max	Nm	40		85		226		313	
Inertia moment on input axis	J	kgm ² x10 ⁻⁴	0.263	0.17	0.871	0.4	3.214	1.52	10.39	4.08
Backlash		sec	0	25	0	15	0	15	0	10
Average efficiency		%	90	80	90	80	90	80	90	80
Lubrication (Maintenance Free)			Grease		Grease		Grease		Grease	
Weight		kg	3.3	3.5	5.9	6.2	12.9	14.1	24.3	25.2

Dimensions and technical information are subject to change without notice.



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