TD Series - Smooth and Reliable

GEARKO®

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TD

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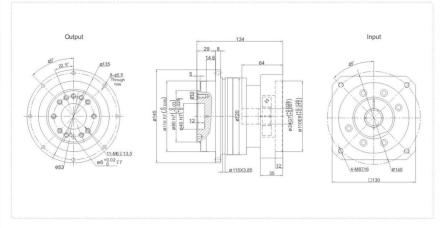
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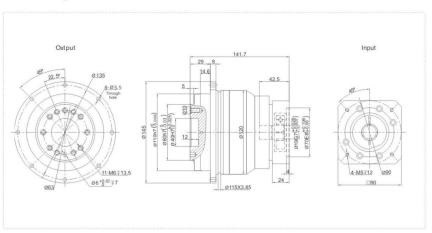
TM

TD110 Series

TD110 One Stage



TD110 Two Stage



Performance Data

TD series reducer offers quiet operation with high axial load and tilt moment. High quality and capacity load bearing ensures smooth operation for any flange-operated applications.

TD110	One Stage						Two Stage						
Speed Ratio		i	4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque	Т,	Nm	290	333	300	235	290	333	300	260	333	300	235
Emergency Stop Torque	Тг	Nm	T,×3				T ₁ ×3						
Nominal Input Speed	S,	rpm	4000				4000						
Maximum Input Speed	S₂	rpm	8000				8000						
Maximum Output Torque	T,	Nm	T,×3×60%				T,×3×60%						
Maximum Bending Moment	М,	Nm	430				430						
Maximum Axial Force	F _b	N	2990				2990						
Forsional Rigidity	-	Nm/arcmin	82				82						
Efficiency	η	%	≥97				≥94						
Service Life	-	h	30000				30000						
Nalse	-	dB	≤63				≤63						
Weight	-	Kg	5.9				7.9						
Backlash	PO		≤1				≼3						
	P1	arcmin	≤ 3				≤ 5						
	P2		≤ 5				≤7						
Operating Temperature	-	°C	-20-90				-20-90						
Lubrication		- Synthetic Grease				Synthetic Grease							
Protection Class		-	IP65				IP65						
Mounting Position		-	Any Direction				Any Direction						
Moment of Inertia	J	kg.cm²	2.87	2.71	2.62	2.57		0.47			0.4	14	

Notes:

- ♠ Speed ratio (i=Sin/Sout)
- $\ensuremath{ \wp}$ When the output speed is 100 rpm, it acts on the center of the output shaft.
- ♠ For continuous operation, the service life is no less than 10,000 hours.
- ♠ The noise value was measured based on the input rotational speed of 3000 rpm, i=10.

Any product models and parameters in this sample are subject to change without prior notice. Please confirm with the company before ordering.

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