TD Series - Smooth and Reliable

GEARKO®

тв

TD255 One Stage

TD255 Series

TER

TD

TDR

TE

TE

TF

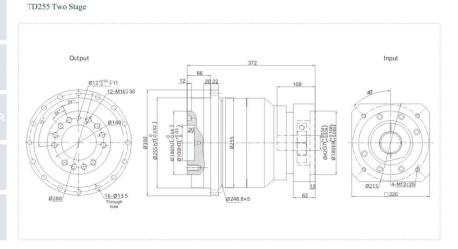
TCB

TCBI

TCE

тм

Output 285.7 Input 12.M16E30 012.46.02.711 12.M16E30 08.02.02.7 117.5 02.00 0.00



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.

TD255	One Stage							Two Stage						
Speed Ratio		i	4	5	7	10	20	25	35	40	50	70	100	
Neminal Output Torque	т,	Nm	1700	2008	1810	1550	1700	2008	1810	1700	2008	1810	1550	
Emergency Stop Torque	T ₂	Nm	T,×3				T,×3							
Nominal Input Speed	S,	rpm	2000				2000							
Maximum Input Speed	S₂	rpm	4000				4000							
Maximum Output Torque	T,	Nm	T,×3×60%				T,×3×60%							
Maximum Bending Moment	M.	Nm	5900				5900							
Maximum Axial Force	F,	N	29430				29430							
Torsional Rigidity	-	Nm/arcmin	1006				1006							
Efficiency	η	%	≥97				≥94							
Service Life	-	h	30000				30000							
Naise	-	dB	≤70				≤70							
Weight	-	Kg	64.5				70.4							
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 Dir	Any Direction			Any Direction						
Moment of Inertia	J	kg.cm²	58.31	53.27	50.97	50.56	2	23.29			22.	51		

Notes:

- Speed ratio (i=Sin/Sout)
- ♦ 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.

TBR

TD

TDR

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