TE Series - High Precision Planetary Reducer

GEARKO®

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TE

TEF

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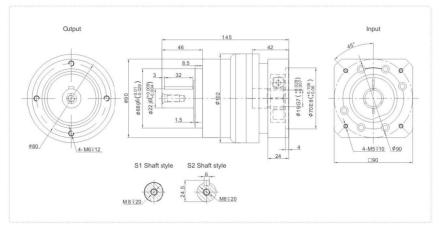
TCB

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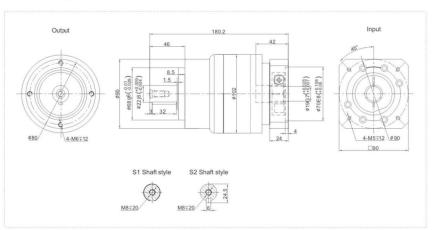
ТМ

TE090 Series

TE090 One Stage



TE090 Two Stage



Performance Data

TE series offer additional installation flexibility in addition to TB series but with zero compromise in performance. It is with high precision and robust design.

TE090	One Stage												Two Stage										
Speed Ratio		í	3 4 5			6 7 8			9	10	15 20		25 30		35	40	40 50		60 70		10		
Nominal Output Torque	т,	Nm	130	140	160	148	140	123	-	102	130	140	160	148	140	123	160	148	140	123	10		
Emergency Stop Torque	T ₂	Nm	T,×3								T,×3												
Neminal Input Speed	S,	rpm	4000								4000												
Maximum Input Speed	S₂	rpm	8000								8000												
Maximum Output Torqu	Τ.4	Nm	T,×3×60%								T,×3×60%												
Maximum Radial Force	F.	N	2985								2985												
Maximum Axial Force	F,	N	1625								1625												
Torsional Rigidity	-	Nm/arcmin	14								14												
Efficiency	η	%	≥97								≽94												
Service Life	-	h	20000							20000													
Noise	-	dB	≤60							≤60													
Weight	-	Kg	3.4							5.1													
Backlash	PO		-							-													
	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	0.61	0.48	0.47	0.4	45		0.44	1			0.4	7				C).44				

Notes:

- ▶ Speed ratio (i=Sin/Sout)
- ♦ When the output speed is 100 rpm, it acts on the center of the output shaft.
- $\ensuremath{\bullet}$ For continuous operation, the service life is no less than $10,\!000\,\ensuremath{\text{hours}}.$
- 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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