TB Series - High Speed and Precision

GEARKO®

ТВ

TB090 Series

TB090 One Stage

TRD

TD

TDR

TE

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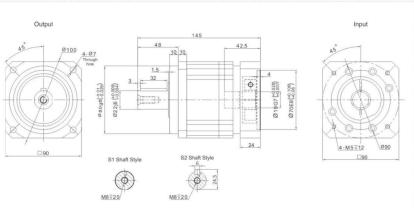
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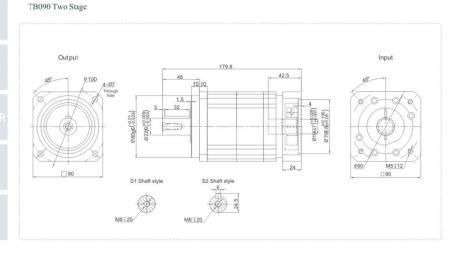
TCE

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Performance Data

The TB series reducer adopts a standardized flange interface. The installation is convenient and quick. Due to its integral structure design, this high-precision model can operate excellently in many demanding working application.

TB090			One Stage									Two Stage										
Speed Ratio		i	3	4	5	6	7	8	9	10	15	20	25	30	35	40	50	60	70	80	100	
Nominal Output Torque	T,	Nm	130	140	160	148	140	123	-	102	130	140	160	148	140	123	160	148	140	123	102	
Emergency Stop Torque	T ₂	Nm	T,×3									T,×3										
Nominal Input Speed	Sı	rpm	4000								4000											
Maximum Input Speed	S2	rpm	8000								8000											
Maximum Output Torque	Т4	Nm	T,×3×60%								T,×3×60%											
Maximum Radial Force	F,	N	3250								3250											
Maximum Axial Force	F _b	N	1625								1625											
Torsional Rigidity	-	Nm/arcmin	14								14											
Efficiency	η	%	≽97								>94											
Service Life	-	h	20000								20000											
Neise	-	dB	≤60								≤ 63											
Veight	-	Kg	3.6								4.5											
Backlash	P0		≤1								≤3											
	P1 P2	arcmin	≤ 3								≤5											
			≤ 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.	45	,	0.44				0.4	7					0.44			

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.

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