

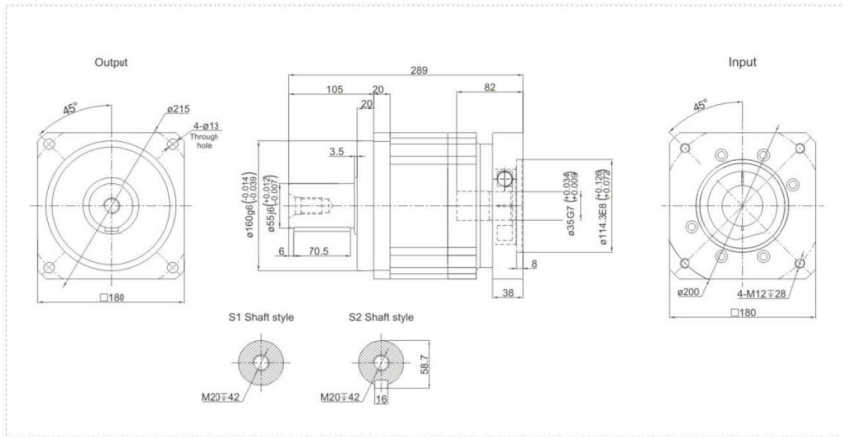
TB Series - High Speed and Precision



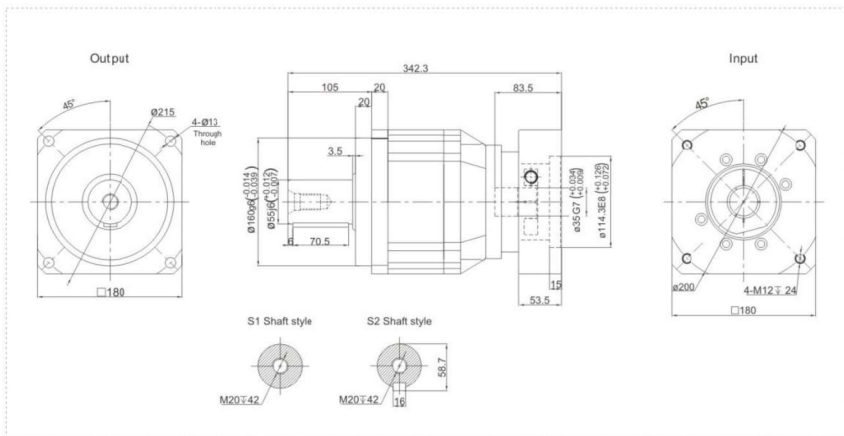
TB

TB180 Series

TB180 One Stage



TB180 Two Stage



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.

TB180	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 ₁	Nm	590	1050	1200	1108	1100	1000	-	910	590	1050	1200	1108	1100	1000	1200	1108	1100	1000	910			
Emergency Stop Torque	T ₂	Nm	T ₁ × 3																					
Nominal Input Speed	S ₁	rpm	3000																					
Maximum Input Speed	S ₂	rpm	6000																					
Maximum Output Torque	T ₄	Nm	T ₁ × 3 × 60%																					
Maximum Radial Force	F _r	N	14500																					
Maximum Axial Force	F _a	N	7250																					
Torsional Rigidity	-	Nm/arcmin	145																					
Efficiency	η	%	≥ 97																					
Service Life	-	h	20000																					
Noise	-	dB	≤ 66																					
Weight	-	Kg	27																					
Backlash	P0		≤ 1																					
	P1	arcmin	≤ 3																					
	P2		≤ 5																					
Operating Temperature	-	°C	-20-90																					
Lubrication	-		Synthetic Grease																					
Protection Class	-		IP65																					
Mounting Position	-		Any Direction																					
Moment of Inertia	J	kg·cm ²	28.98	23.67	23.29	22.75	22.48	22.56	-	22.51	7.42										7.03			

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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