

TCB Series - Optimization of Performance and Cost



TB

TBR

TD

TDR

TE

TER

TF

TCB

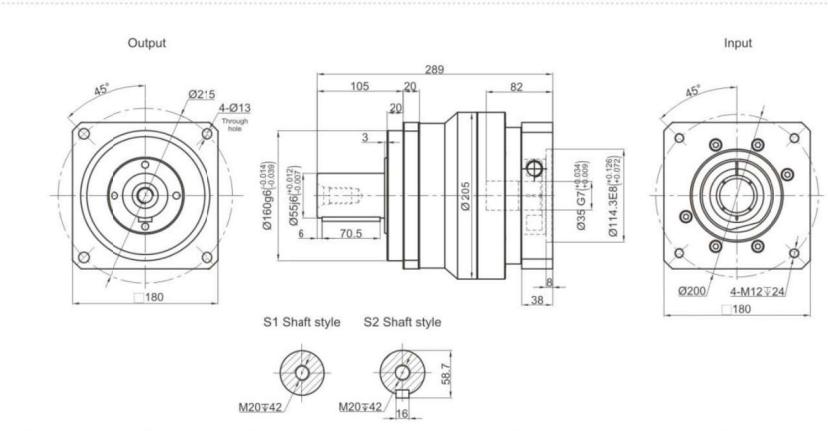
TCBR

TCE

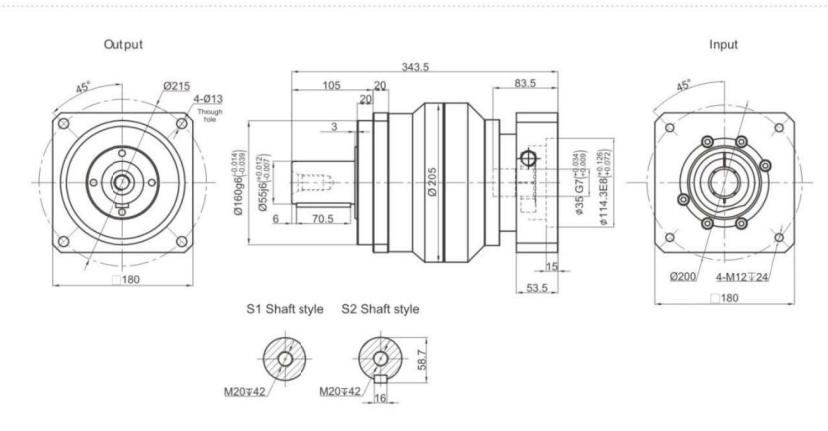
TM

TCB180 Series

TCB180 One Stage



TCB180 Two Stage



Performance Data

TCB series planetary reducer has modular design compact structure with high reliability and efficiency. It is a perfect optimization of both performance and cost.

Speed Ratio	i	One Stage										Two Stage									
		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	580	1020	1180	1050	1050	970	-	870	580	1020	1180	1050	1050	970	1180	1050	1050	970	870
Emergency Stop Torque	T_s	Nm																			
Nominal Input Speed	S_1	rpm																			
Maximum Input Speed	S_2	rpm																			
Maximum Output Torque	T_4	Nm																			
Maximum Radial Force	F_r	N																			
Maximum Axial Force	F_a	N																			
Torsional Rigidity	-	Nm/arcmin																			
Efficiency	η	%																			
Service Life	-	h																			
Noise	-	dB																			
Weight	-	Kg																			
P0																					
Backlash		P1	arcmin																		
		P2																			
Operating Temperature		-	°C																		
Lubrication		-																			
Protection Class		-																			
Mounting Position		-																			
Moment of Inertia		J	kg.cm²	28.98	23.67	23.29	22.75	22.48	22.55	-	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.