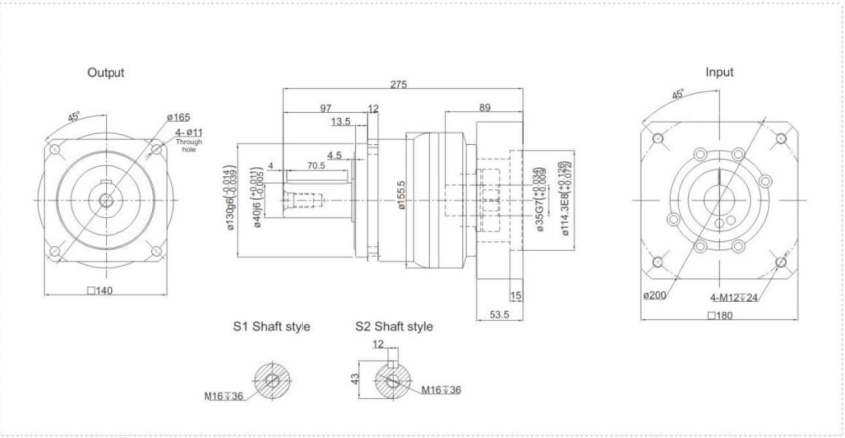
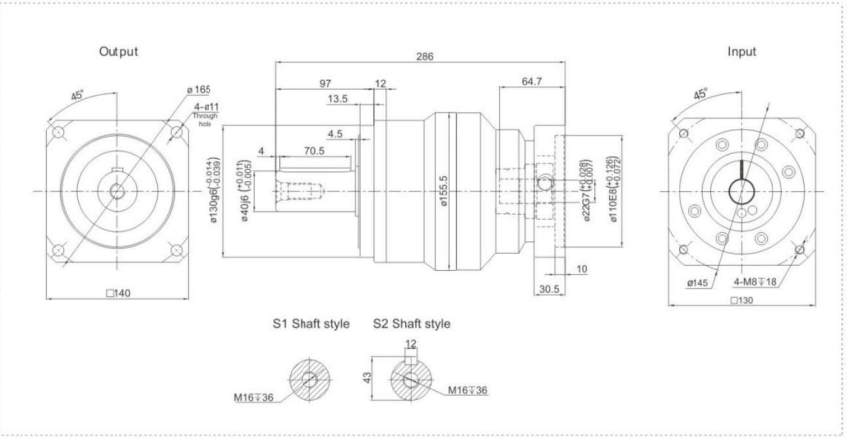
TCB140 Series

TCB140 One Stage



TCB140 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.

TCB140			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	340	535	650	600	550	500	-	445	340	535	650	600	550	500	650	600	550	500	445
Emergency Stop Torque	T_2	Nm	$T_1 \times 3$								$T_1 \times 3$										
Nominal Input Speed	S_1	rpm	2000								2000										
Maximum Input Speed	S_2	rpm	4000								4000										
Maximum Output Torque	T_4	Nm	$T_1 \times 3 \times 60\%$								$T_1 \times 3 \times 60\%$										
Maximum Radial Force	F_a	N	9400								9400										
Maximum Axial Force	F_b	N	4700								4700										
Torsional Rigidity	–	Nm/arcmin	50								50										
Efficiency	η	%	⩾97								⩾94										
Service Life	–	h	20000								20000										
Noise	–	dB	⩽65								⩽65										
Weight	–	Kg	17								19.8										
Backlash	P0	arcmin	–								–										
	P1		⩽3								⩽5										
	P2		⩽5								⩽7										
Operating Temperature	–	℃	-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	9.21	7.54	7.42	7.25	7.14	7.07	-	7.03	2.71					2.57					

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.