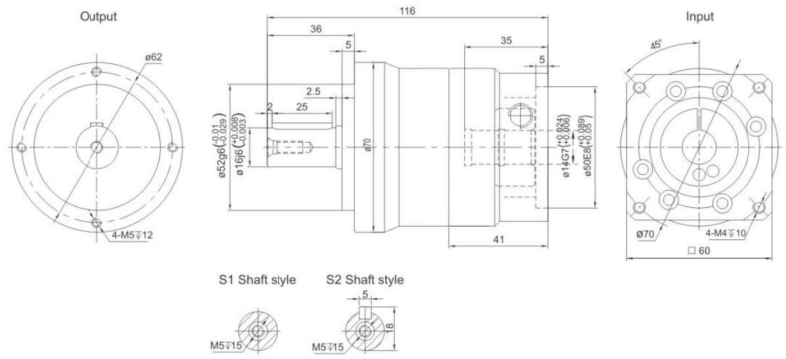
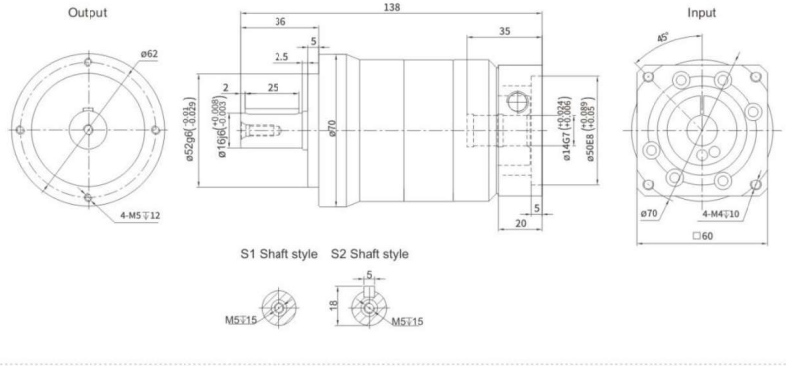
TCE070 Series

TCE070 One Stage



TCE070 Two Stage



Performance Data

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

TCE070			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	40	45	55	50	45	45	-	35	40	45	55	50	45	45	55	50	45	45	35
Emergency Stop Torque	T_2	Nm	$T_1 \times 3$									$T_1 \times 3$									
Nominal Input Speed	S_1	rpm	3000									3000									
Maximum Input Speed	S_2	rpm	6000									6000									
Maximum Output Torque	T_4	Nm	$T_1 \times 3 \times 60\%$									$T_1 \times 3 \times 60\%$									
Maximum Radial Force	F_a	N	1530									1530									
Maximum Axial Force	F_b	N	765									765									
Torsional Rigidity	–	Nm/arcmin	7									7									
Efficiency	η	%	⩾97									⩾94									
Service Life	–	h	20000									20000									
Noise	–	dB	⩽58									⩽58									
Weight	–	Kg	1.6									1.9									
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	0.16	0.14	0.13							0.13									

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.