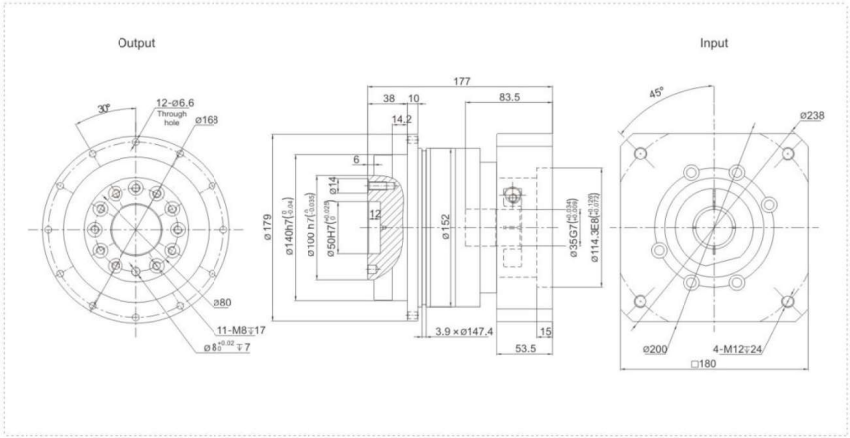
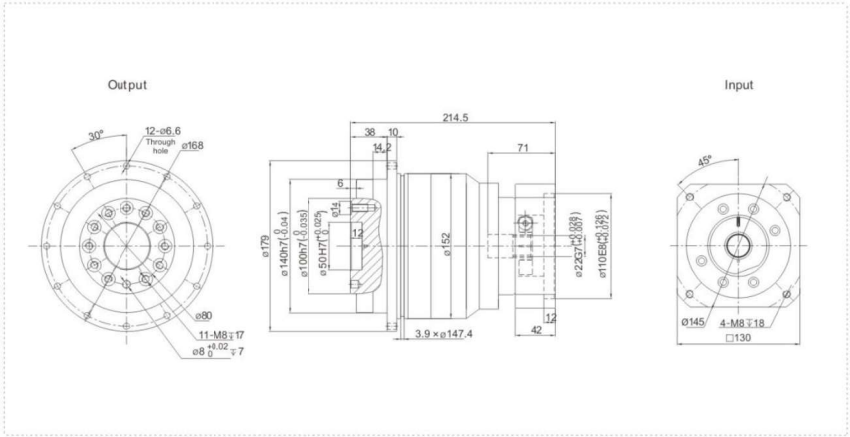
TD140 Series

TD140 One Stage



TD140 Two Stage



Performance Data

TD series reducer offers quiet operation with high axial load and tilt moment. High quality and capacity load bearing ensures smooth operation for any flange-operated applications.

TD140			One Stage				Two Stage						
Speed Ratio	i		4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque	T_1	Nm	545	650	555	460	545	650	555	560	650	555	460
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 Bending Moment	M_a	Nm	1300				1300						
Maximum Axial Force	F_b	N	10590				10590						
Torsional Rigidity	–	Nm/arcmin	151				151						
Efficiency	η	%	⩾97				⩾94						
Service Life	–	h	30000				30000						
Noise	–	dB	⩽65				⩽65						
Weight	–	Kg	14.6				15.5						
Backlash	P0	arcmin	⩽1				⩽3						
	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	7.54	7.42	7.14	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.