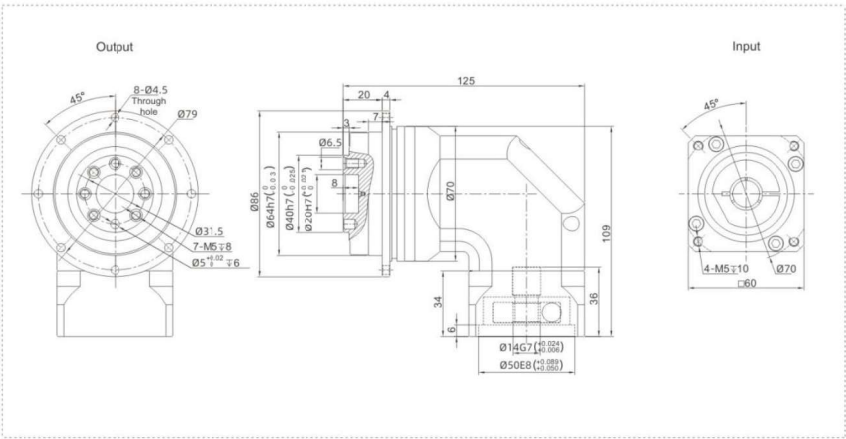


# TDR Series - Smooth and Reliable

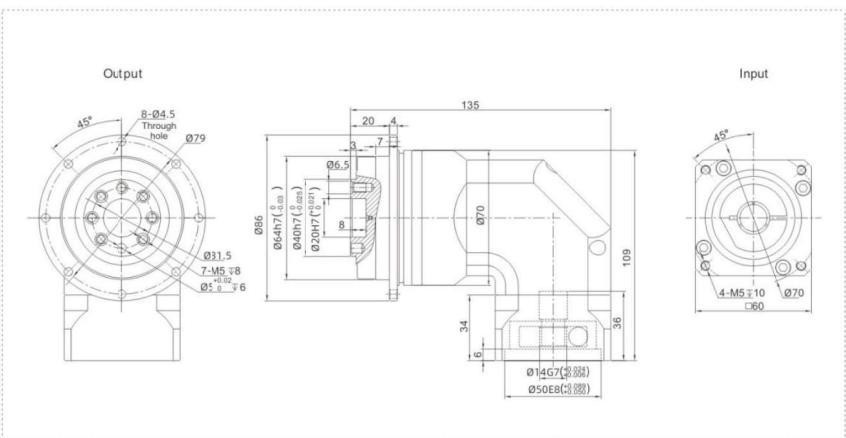


## TDR064 Series

TDR064 One Stage



TDR064 Two Stage



## Performance Data

TDR 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.

TDR064		One Stage										Two Stage			
Speed Ratio	i	4	5	7	10	14	20	25	35	40	50	70	100	140	200
Nominal Output Torque	$T_1$ Nm	48	58	50	42	42	42	58	50	48	58	50	42	-	-
Emergency Stop Torque	$T_2$ Nm	$T_1 \times 3$										$T_1 \times 3$			
Nominal Input Speed	$S_1$ rpm	5000										5000			
Maximum Input Speed	$S_2$ rpm	10000										10000			
Maximum Output Torque	$T_4$ Nm	$T_1 \times 3 \times 60\%$										$T_1 \times 3 \times 60\%$			
Maximum Bending Moment	$M_b$ Nm	125										125			
Maximum Axial Force	$F_b$ N	1050										1050			
Torsional Rigidity	- Nm/arcmin	13										13			
Efficiency	$\eta$ %	$\geq 95$										$\geq 92$			
Service Life	- h	30000										30000			
Noise	- dB	$\leq 63$										$\leq 63$			
Weight	- Kg	2.2										2.6			
Backlash	P0	-										-			
	P1 arcmin	$\leq 4$										$\leq 7$			
	P2	$\leq 6$										$\leq 9$			
Operating Temperature	- °C	-20-90										-20-90			
Lubrication	-	Synthetic Grease										Synthetic Grease			
Protection Class	-	IP65										IP65			
Mounting Position	-	Any Direction										Any Direction			
Moment of Inertia	J kg.cm <sup>2</sup>	0.35					0.07					0.09			

### Notes:

- Speed ratio ( $i = \text{Sin}/\text{Sout}$ )
- 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.