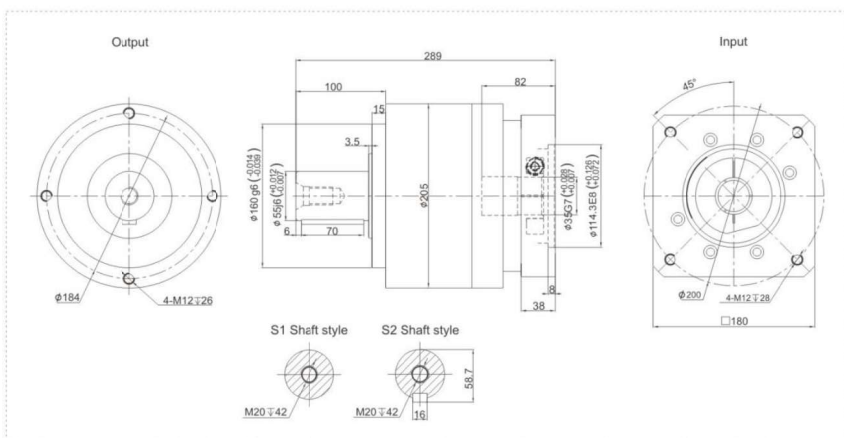


TE Series - High Precision Planetary Reducer

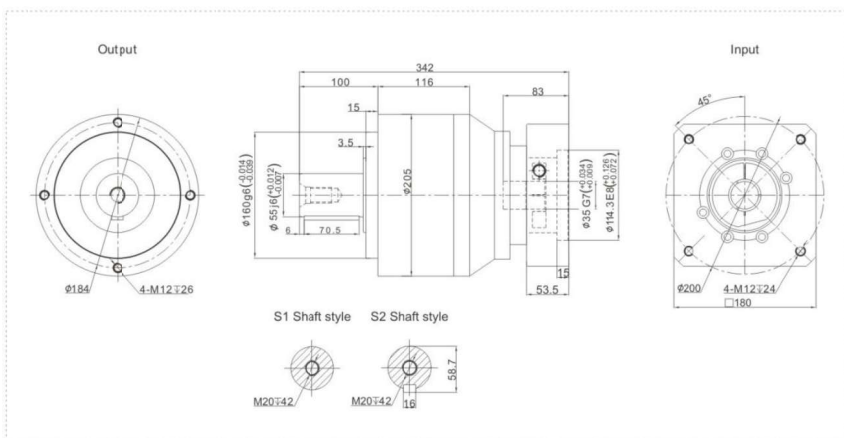


TE205 Series

TE205 One Stage



TE205 Two Stage



Performance Data

TE series offer additional installation flexibility in addition to TB series but with zero compromise in performance. It is with high precision and robust design.

TE205		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	590	1050	1200	1108	1100	1000	-	910	590	1050	1200	1108	1100	1000	1200	1108	1100	1000	910	
Emergency Stop Torque	T ₂	Nm	T ₁ ×3										T ₁ ×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 ×3×60%										T ₁ ×3×60%									
Maximum Radial Force	F _a	N	13050										13050									
Maximum Axial Force	F _b	N	7250										7250									
Torsional Rigidity	—	Nm/arcmin	145										145									
Efficiency	η	%	≥97										≥94									
Service Life	—	h	20000										20000									
Noise	—	dB	≤67										≤67									
Weight	—	Kg	34										35									
Backlash	P0		—										—									
	P1	arcmin	≤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.cm ²	28.98	23.67	23.29	22.75	22.48	22.59	-	22.51		7.42									7.03	

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.