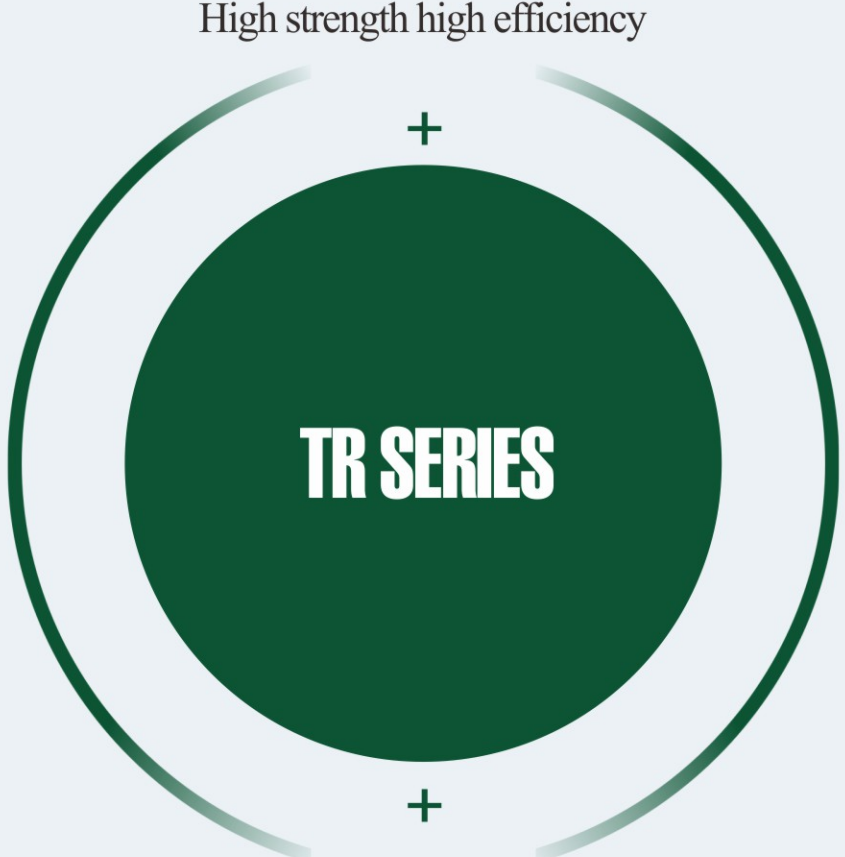


High-precision Spiral Bevel Gear Reducer

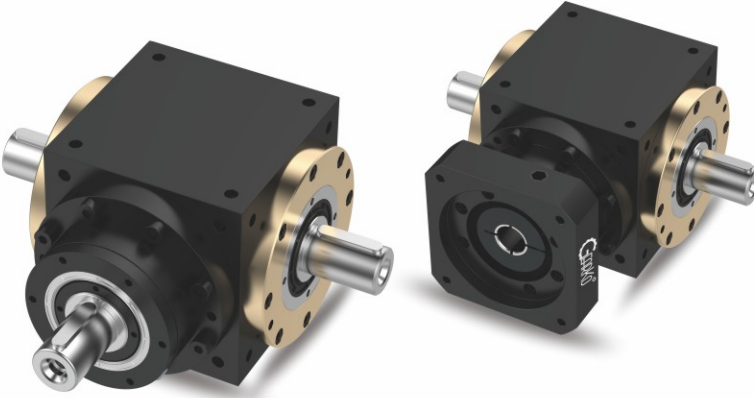


High strength high efficiency

Large carrying capacity, smooth operation and low noise

TR series planetary reducer can reducer features high strength, high efficiency, large carrying capacity, smooth operation, low noise and diversified application output forms.

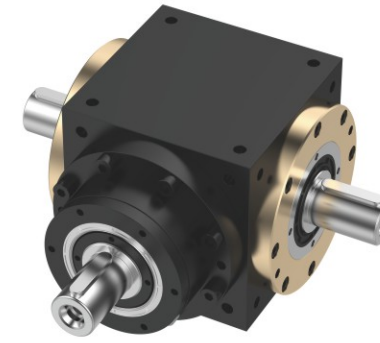
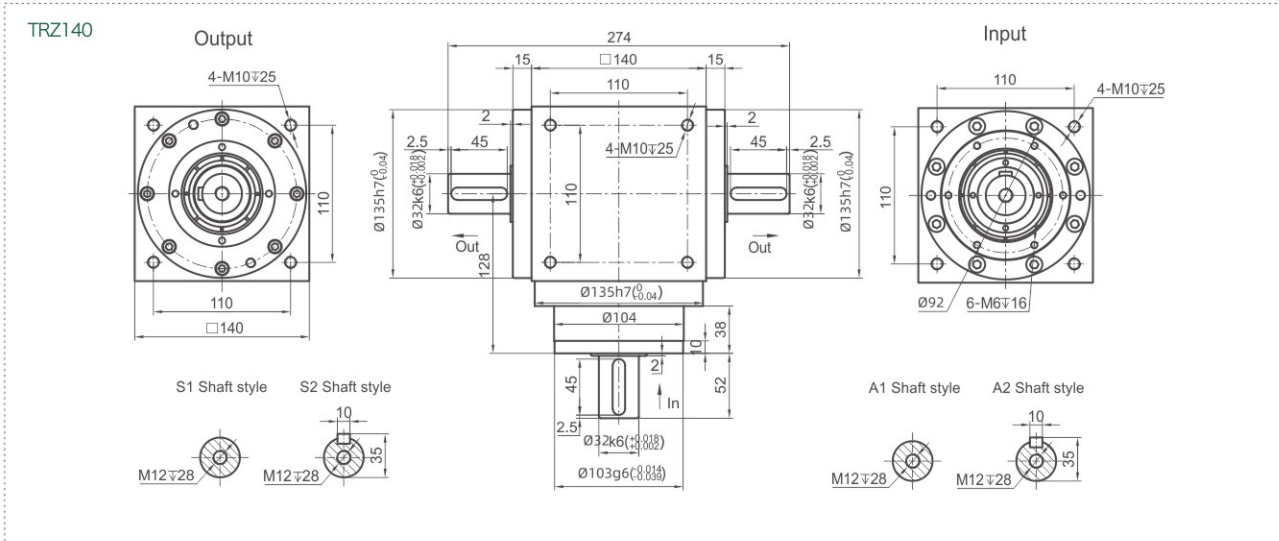
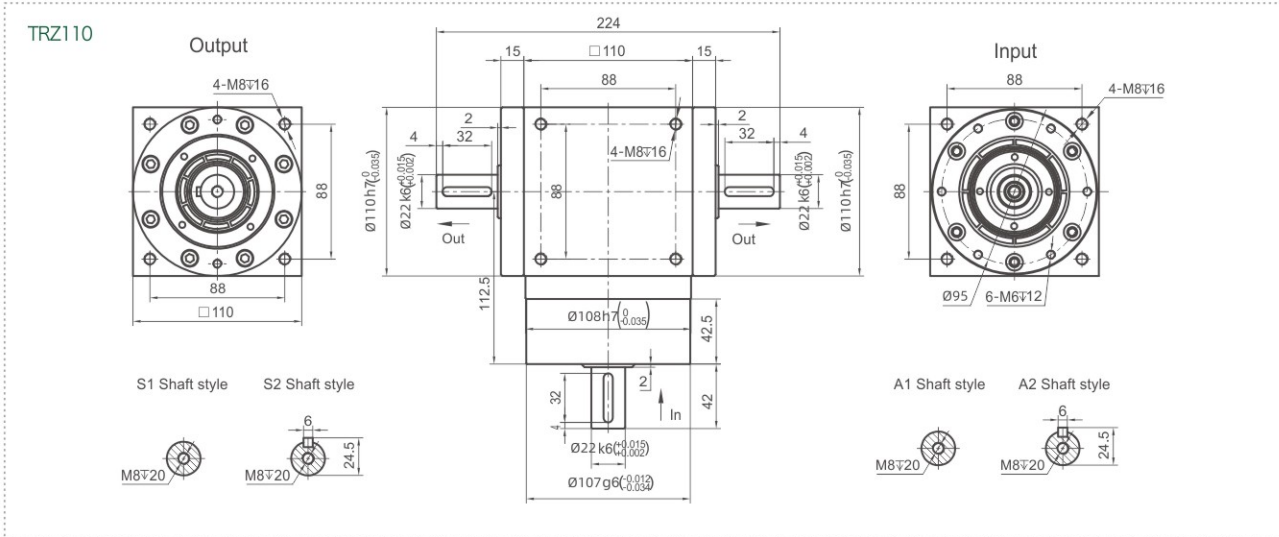
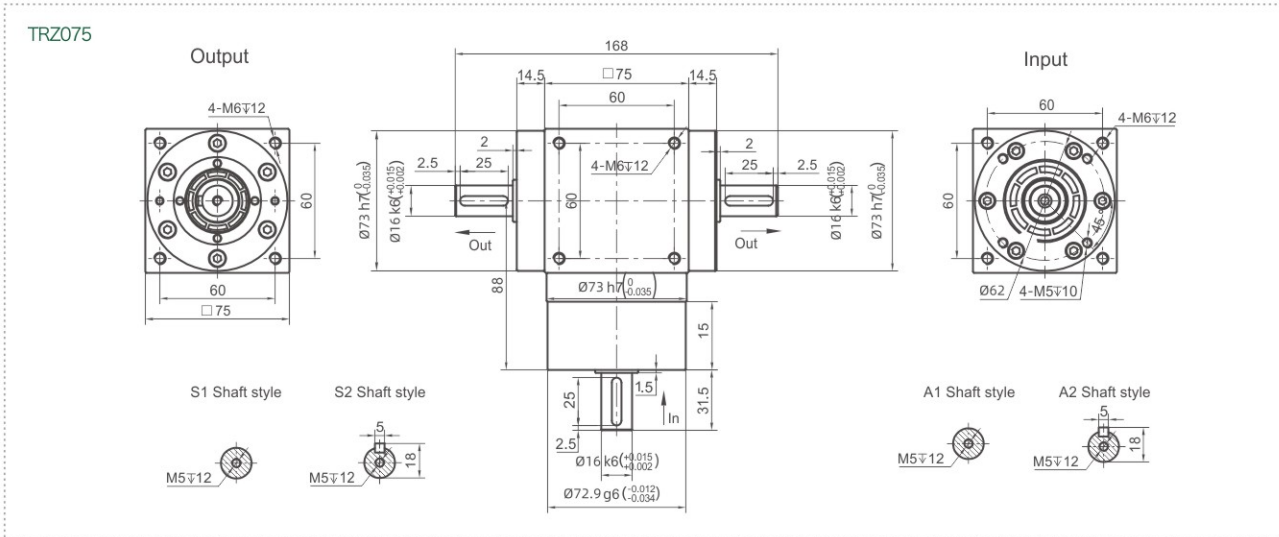
GEARKO[®] DRIVES THE FUTURE



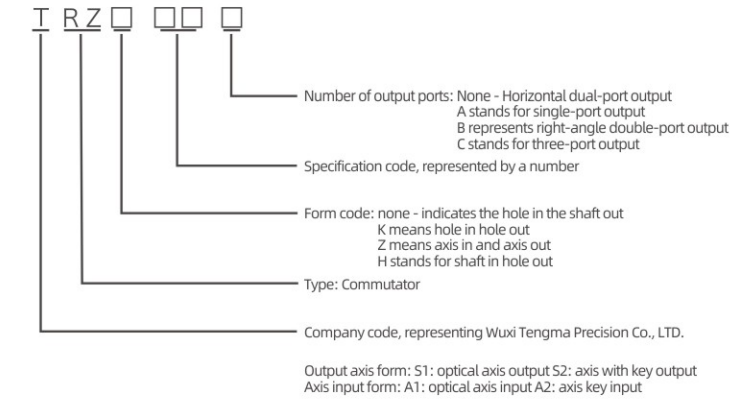
TRSeries - Diversification of output forms



TRZ Series



Ordering Code Example:



One Stage	TRZ075	TRZ110	TRZ140	
① Speed Ratio	i	1	1	
Normal Output Torque	T_1 Nm	44	152	358
Normal Input Speed	S_1 rpm	1500		
Maximum Acceleration Input Speed	S_2 rpm	6500	4500	3500
Maximum Acceleration Output Torque	T_4 Nm		$T_1 \times 1.5$	
② Maximum Radial Force (Output)	F_a N	1100	2700	4800
② Maximum Axial Force (Output)	F_b N	550	1350	2400
② Maximum Radial Force (input)	F_{a1} N	425	1050	1350
② Maximum Axial Force (input)	F_{b1} N	950	2100	2700
Efficiency	η %		≥ 98	
③ Service Life	- h		20000	
Noise	- dB	≤ 70	≤ 76	≤ 78
Weight	- kg	2.7	8.6	15.7
④ Backlash	P arcmin		≤ 6	
Operating Temperature	- $^{\circ}\text{C}$		-20~90	
Lubrication	-		Synthetic Grease	
Moment of Inertia	J Kg.cm 2	1.5	14.58	23.57

Notes:

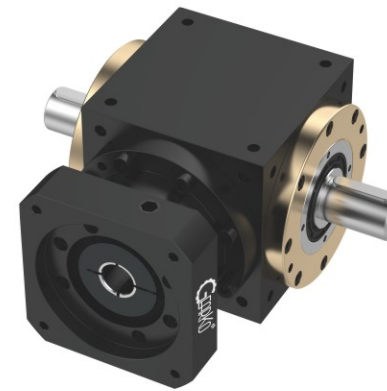
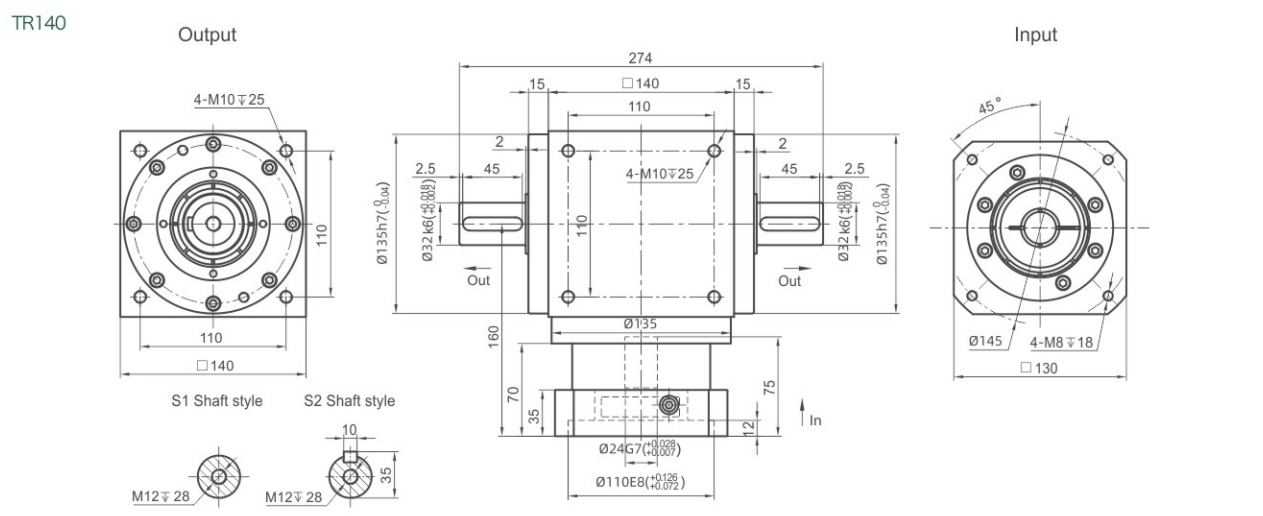
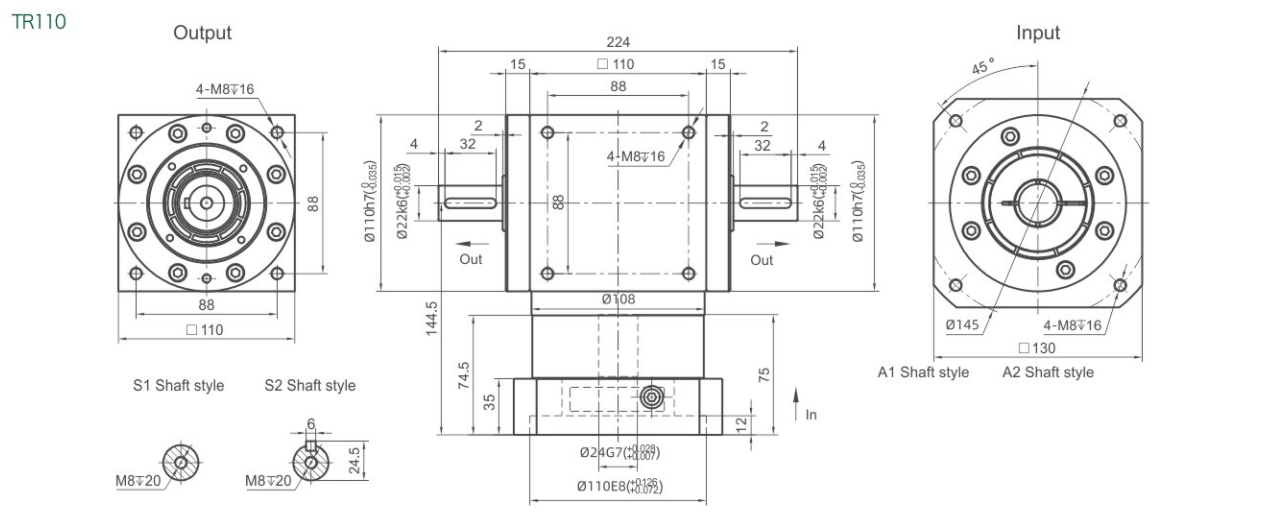
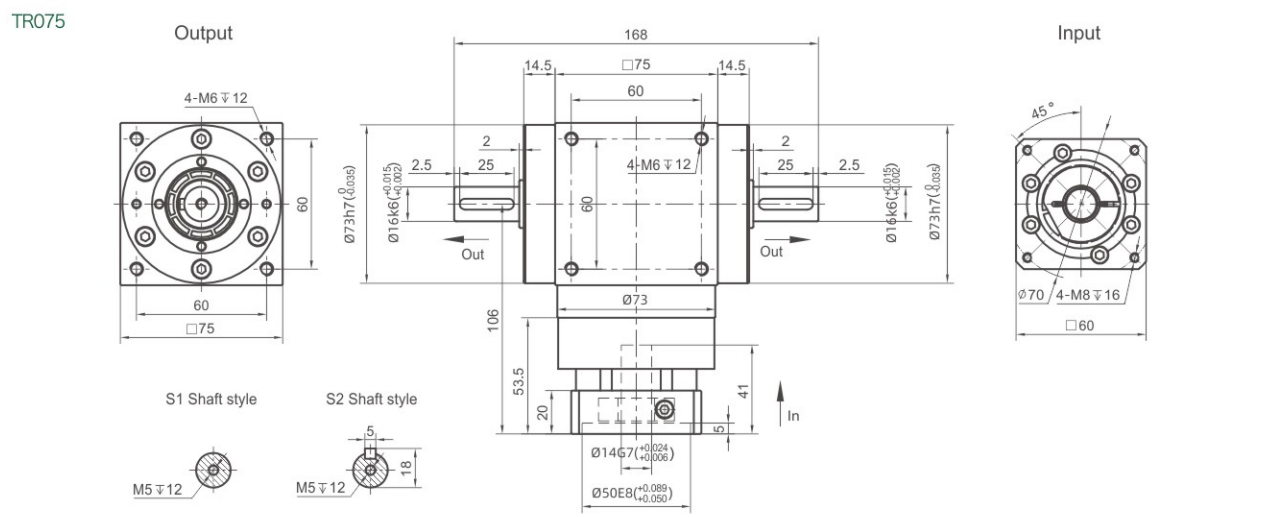
- ① Speed ratio ($i = S_{in}/S_{out}$)
- ② The maximum acceleration input speed acts on the center position of the input shaft;
- ③ For continuous operation, the service life is no less than 10,000 hours.
- ④ Measured at 2% rated output torque

All product models and parameters in this sample are subject to change without prior notice. Please confirm with the company before ordering.

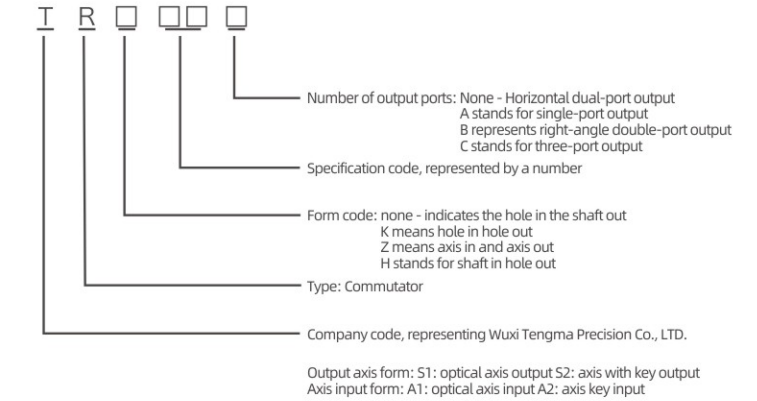
TRSeries - Diversification of output forms



TR Series



Ordering Code Example:



One Stage		TR075	TR110	TR140	
① Speed Ratio	i		1		
Normal Output Torque	T_1	Nm	44	152	358
Normal Input Speed	S_1	rpm		1500	
Maximum Acceleration Input Speed	S_2	rpm	6500	4500	3500
Maximum Acceleration Output Torque	T_4	Nm		$T_1 \times 1.5$	
② Maximum Radial Force	F_a	N	1100	2700	4800
② Maximum Axial Force	F_b	N	550	1350	2400
Efficiency	η	%		≥ 98	
③ Service Life	-	h		20000	
Noise	-	dB	≤ 70	≤ 76	≤ 78
Weight	-	kg	2.7	8.85	16.4
④ Backlash	P	arcmin		≤ 6	
Operating Temperature	-	°C		-20~90	
Lubrication	-			Synthetic Grease	
Moment of Inertia	J	Kg.cm ²	1.42	14.42	23.57

Notes:

- ① Speed ratio ($i=S_{in}/S_{out}$)
- ② The maximum acceleration input speed acts on the center position of the input shaft;
- ③ For continuous operation, the service life is no less than 10,000 hours.
- ④ Measured at 2% rated output torque

All product models and parameters in this sample are subject to change without prior notice. Please confirm with the company before ordering.