

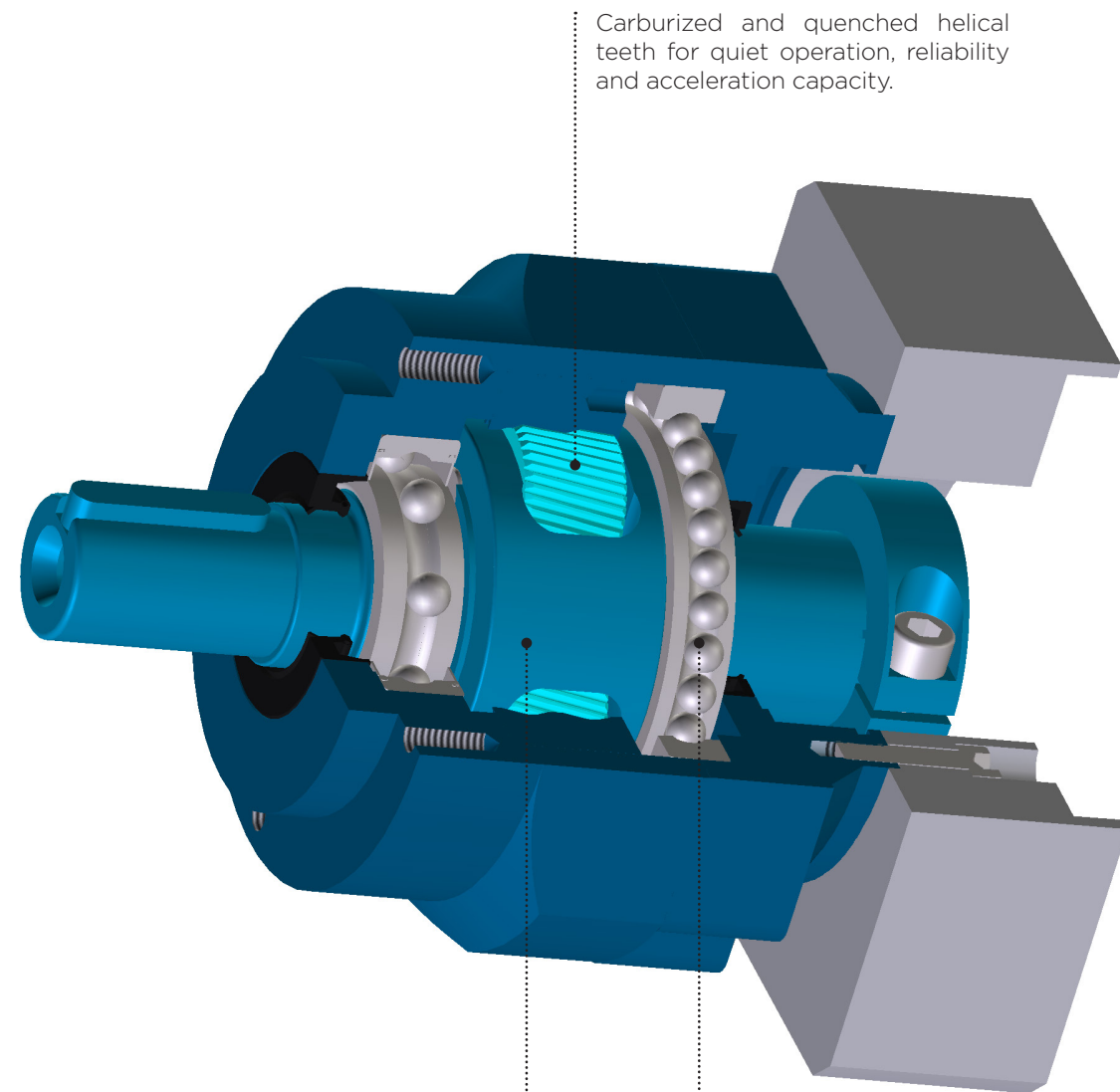
WISER-CI



Acceleration capacity	++
Fast reversals	++
Radial load rating	++
Axial load rating	+
Stiffness	++
Precision	++++
Economy	++++

WISER-CI-ST_ Internal construction

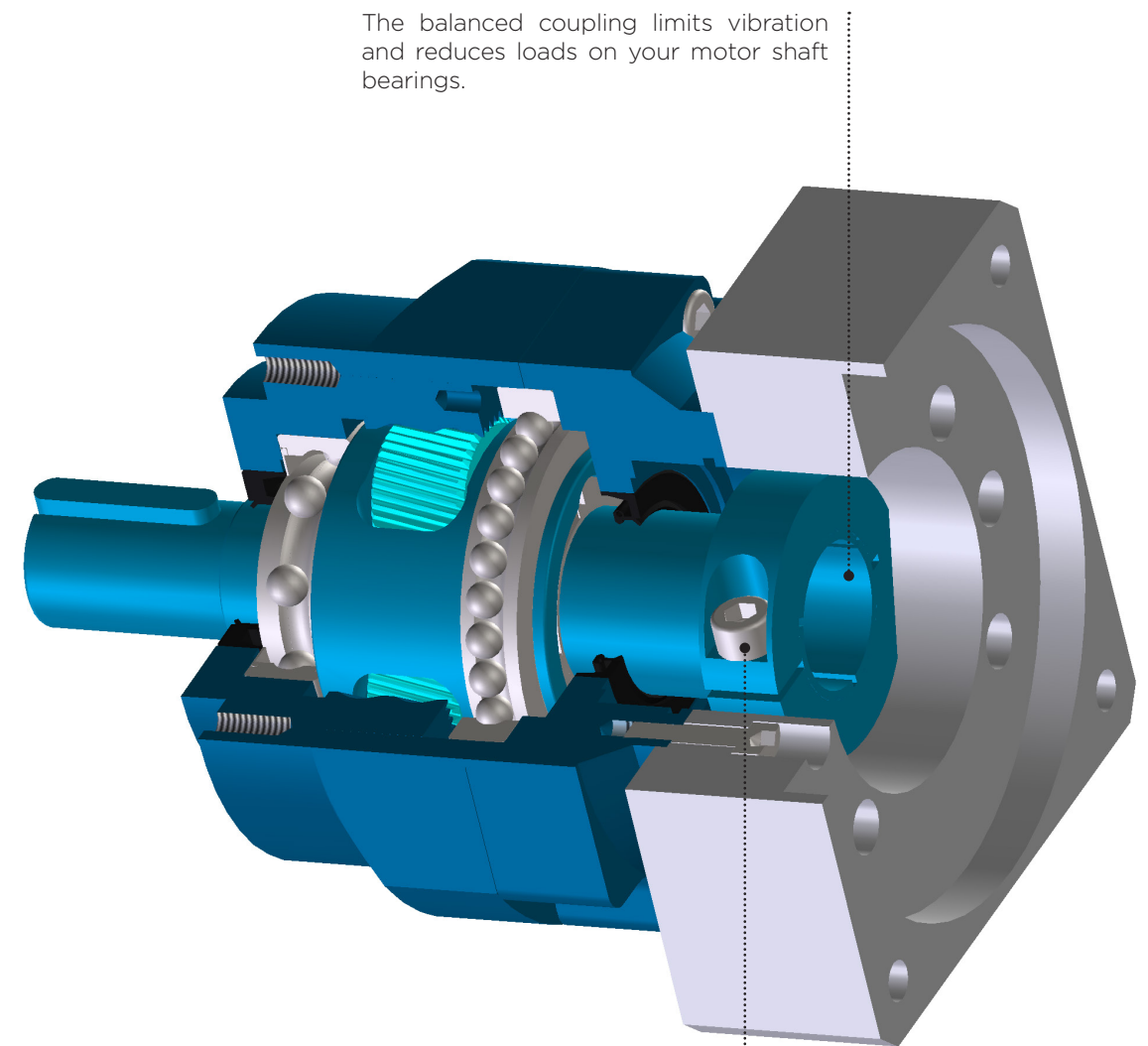
WISER is our entry-level helical gearbox.



Carburized and quenched helical teeth for quiet operation, reliability and acceleration capacity.

The caged planet carrier provides stiffness, reliability and acceleration capacity to the gearbox.

The planet carrier is dual-supported by radial ball bearings. This configuration guarantees the perfect alignment of gears during operation.



The balanced coupling limits vibration and reduces loads on your motor shaft bearings.

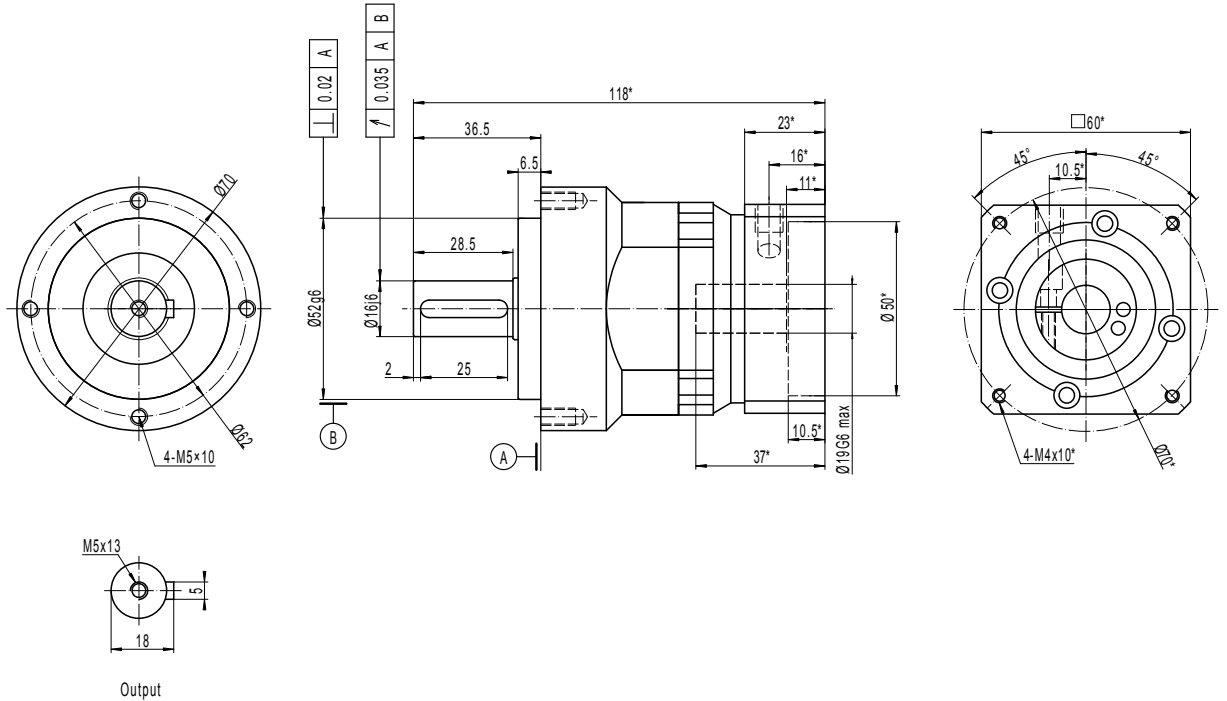
Easy and safe, 1-screw installation to your motor shaft.

	Ratio*	WISER-CI-ST		
		060-P	090-R	120-R
Nominal torque ¹ T _{2N} (Nm)	3	18	70	200
	4	37	129	214
	5	29	100	167
	6	27	81	179
	7	24	71	178
	8	18	55	164
	9	16	47	-
	10	14	42	110
	12	18	65	200
	15	18	68	183
	16	37	86	214
	20	37	90	214
	21	18	51	137
	25	29	100	167
	28	37	68	183
	30	27	81	179
	35	29	85	167
	40	37	40	113
	42	27	81	179
	49	24	71	178
Peak torque ² T _{max} (Nm)	50	29	49	141
	60	27	59	170
	70	24	69	178
	80	18	55	164
	90	16	47	-
	100	14	42	110
	3	55	169	378
	4	49	160	415
	5	40	112	300
	6	38	114	327
	7	38	115	279
	8	37	111	322
	9	36	104	-
	10	36	107	260
	12	55	92	242
	15	55	86	206
	16	49	122	322
	20	49	115	275
	21	55	85	212
	25	40	112	300
	28	49	113	282
	30	38	114	327
	35	40	112	300
	40	49	109	259
	42	38	114	327
	49	38	115	279
	50	40	112	300
	60	38	114	327
	70	38	115	279
	80	37	111	322
	90	36	104	-
	100	36	107	260
Emergency stop torque (Nm) ³		1,5 x T _{max}		
Max angular backlash (minutes)	1 stage	Standard : ≤5 ; Option : ≤3		
	2 stages	Standard : ≤8 ; Option : ≤5		
Nominal input speed (rpm) ⁴		4,000	3,100	2,800
Max input speed (rpm) ⁵		7,500	6,000	5,500
Max radial load (N) ⁶		1,100	2,200	3,600
Max axial load (N) ⁶		900	1,950	3,000
Efficiency (%) ⁷	1 stage	≥97		
	2 stages	≥94		
Torsional stiffness (Nm/min)		6	13	24
Life (h) ⁸		20,000		
Min / max ambient temperature ⁹		-15 / +45		
Max temperature of the body (°C)		90		
Protection class		IP 65		
Noise level (dB) ¹⁰		≤61	≤63	≤64
Lubrication		Lifetime lubrication (grease)		
Coating color		Capri blue (RAL 5019)		
Input flange		Anodized aluminum		

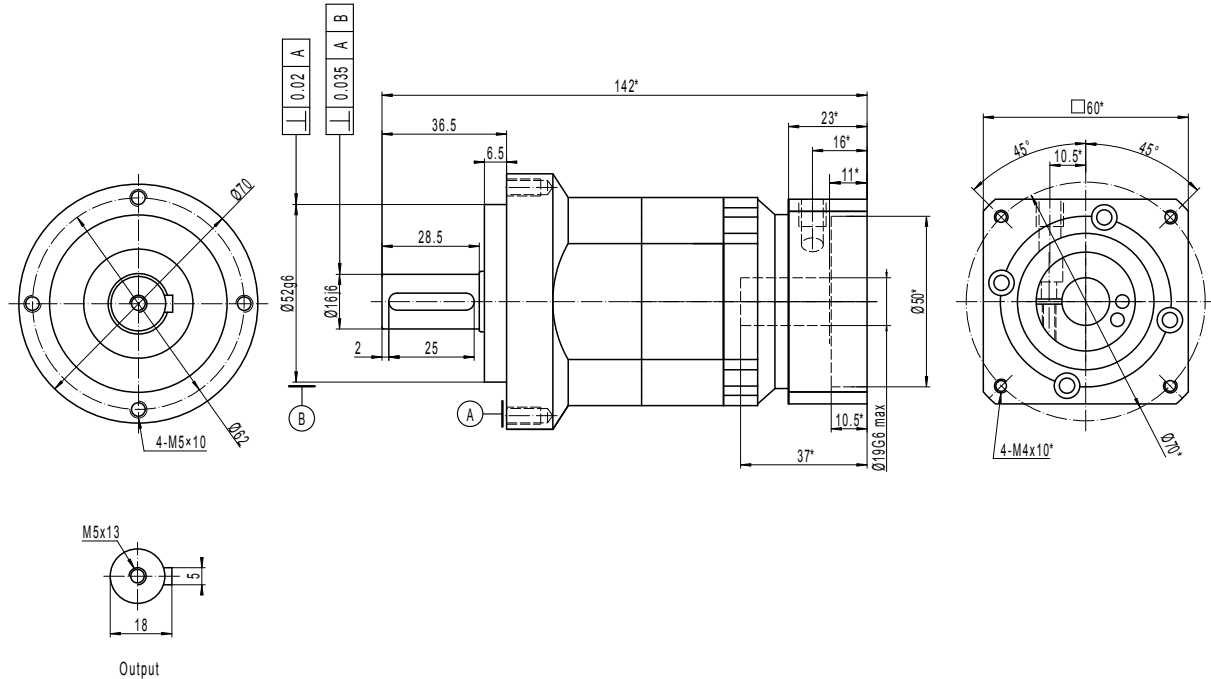
* Others ratios are available upon request.

1: Calculation based on the ISO 6336-2 standard (life = 20,000 h, speed = nominal speed, internal temperature = 60°C, Application Factor = 1,25). Using max 10% of the max radial load. Torque capacity decreases when the radial load increases. Please refer to the website for more information
2: Calculation based on the ISO 6336-2 standard (life = 2,000 h, speed = nominal speed, internal temperature = 60°C, Safety Factor = 1,4). This rating will not provide a 2 000 hours life if used at max speed. Contact us to get an estimation of the product lifetime in your application. Using a torque higher than the rated torque may affect the gearbox precision.
3 : 1 000 occurrences maximum.
4: Speed at which the nominal torque is applicable 20,000 hours.
5: Peak speed only.
6 : Applied at the middle of the output shaft at 100 rpm.
7 : Measured at full load and at 25°C
8 : Lifetime at nominal torque and speed. Consult us to obtain a free estimation of lifetime in your working conditions
9 : Room temperature. Refer to temperature factors in dedicated section.
10 : Ratio 10 at nominal speed, measured at 1m.

WISER-CI-ST-060- 1 STAGE - RATIOS 3 TO 10
FOR MOTOR SHAFT ≤ Ø19

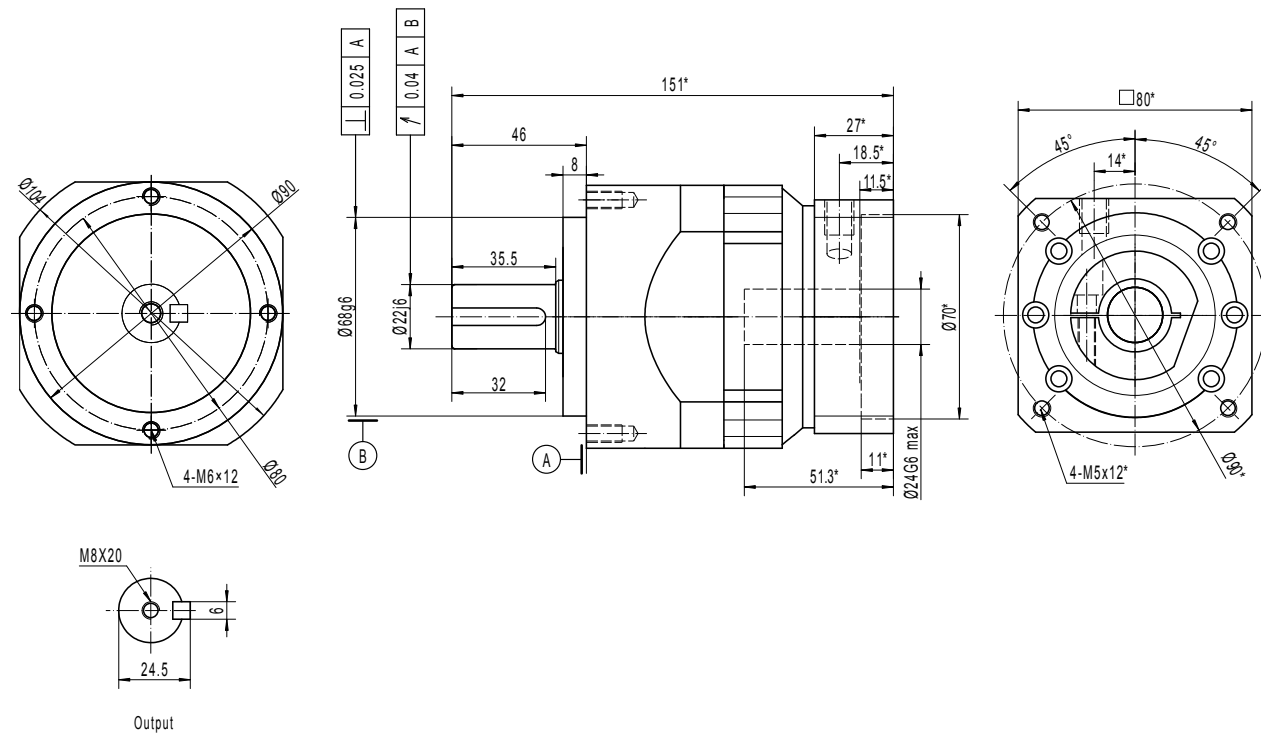


WISER-CI-ST-060- 2 STAGES-P - RATIOS 12 TO 100
FOR MOTOR SHAFT ≤ Ø19

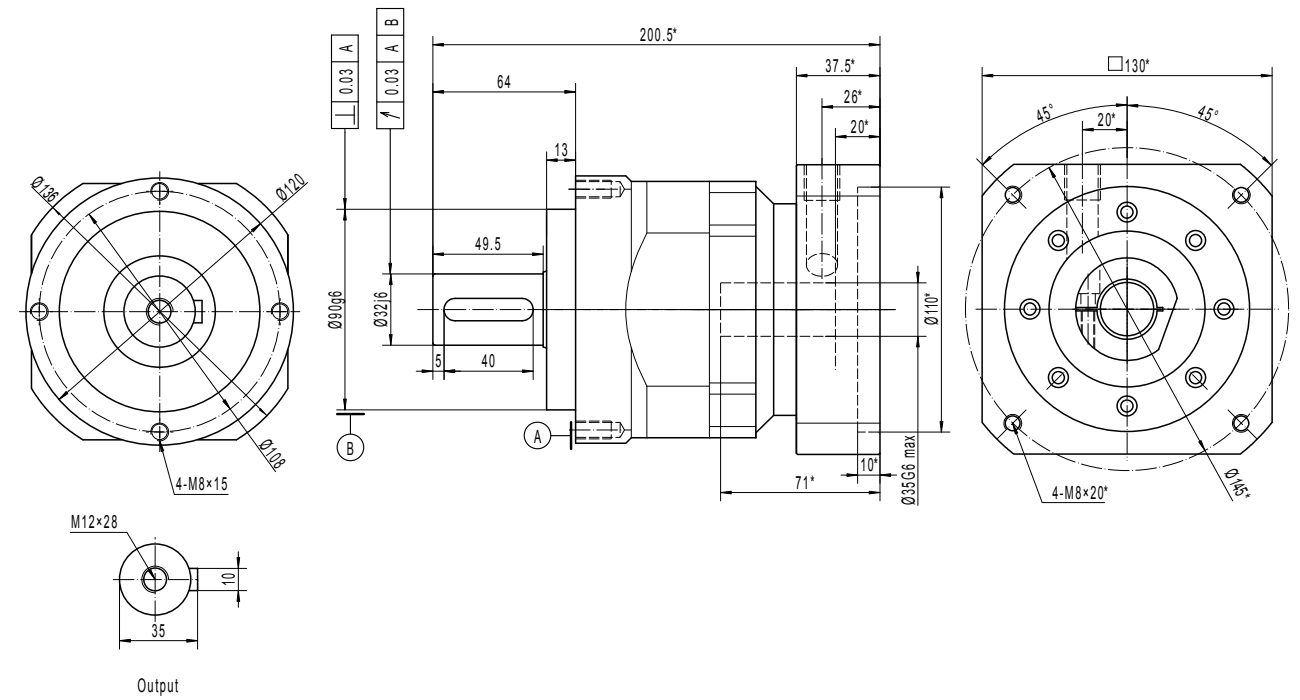


*VARIES WITH YOUR MOTOR DIMENSIONS

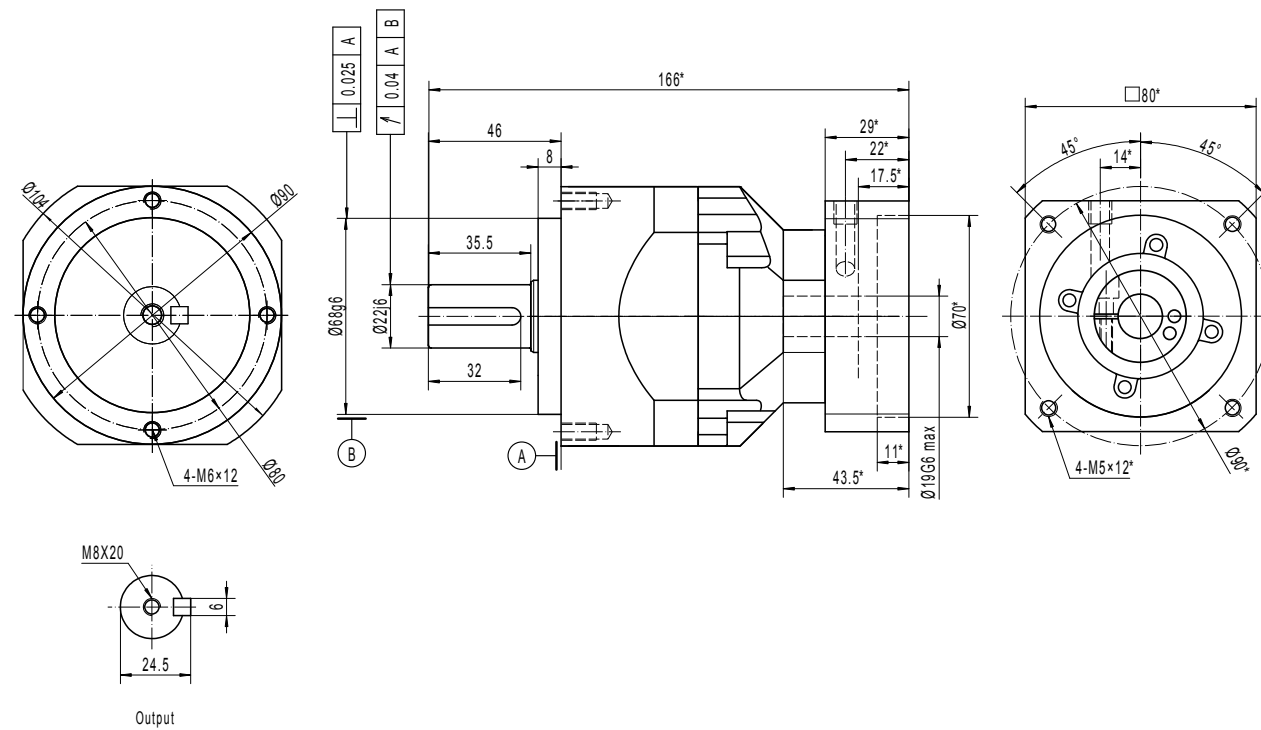
WISER-CI-ST-090- 1 STAGE - RATIOS 3 TO 10
FOR MOTOR SHAFT $\leq \varnothing 24$



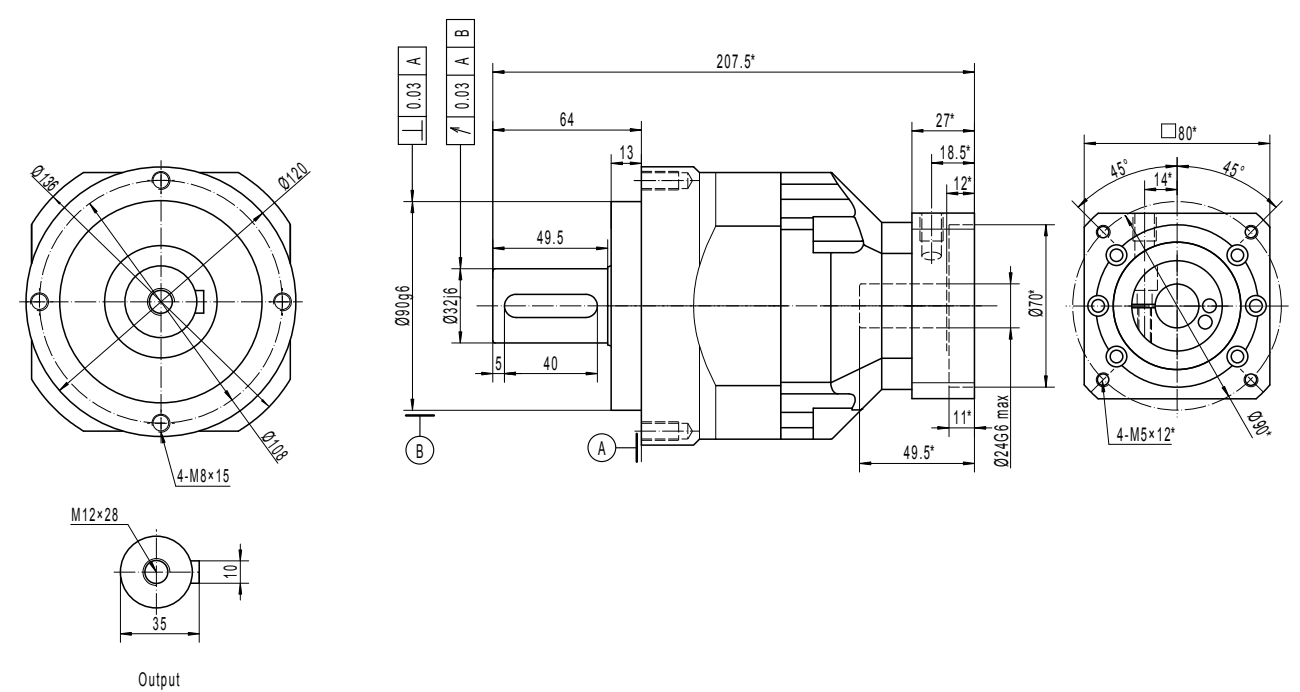
WISER-CI-ST-120- 1 STAGE - RATIOS 3 TO 10
FOR MOTOR SHAFT $\leq \varnothing 35$



WISER-CI-ST-090- 2 STAGES-R - RATIOS 12 TO 100
FOR MOTOR SHAFT $\leq \varnothing 19$



WISER-CI-ST-120- 2 STAGES-R - RATIOS 12 TO 100
FOR MOTOR SHAFT $\leq \varnothing 24$



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