

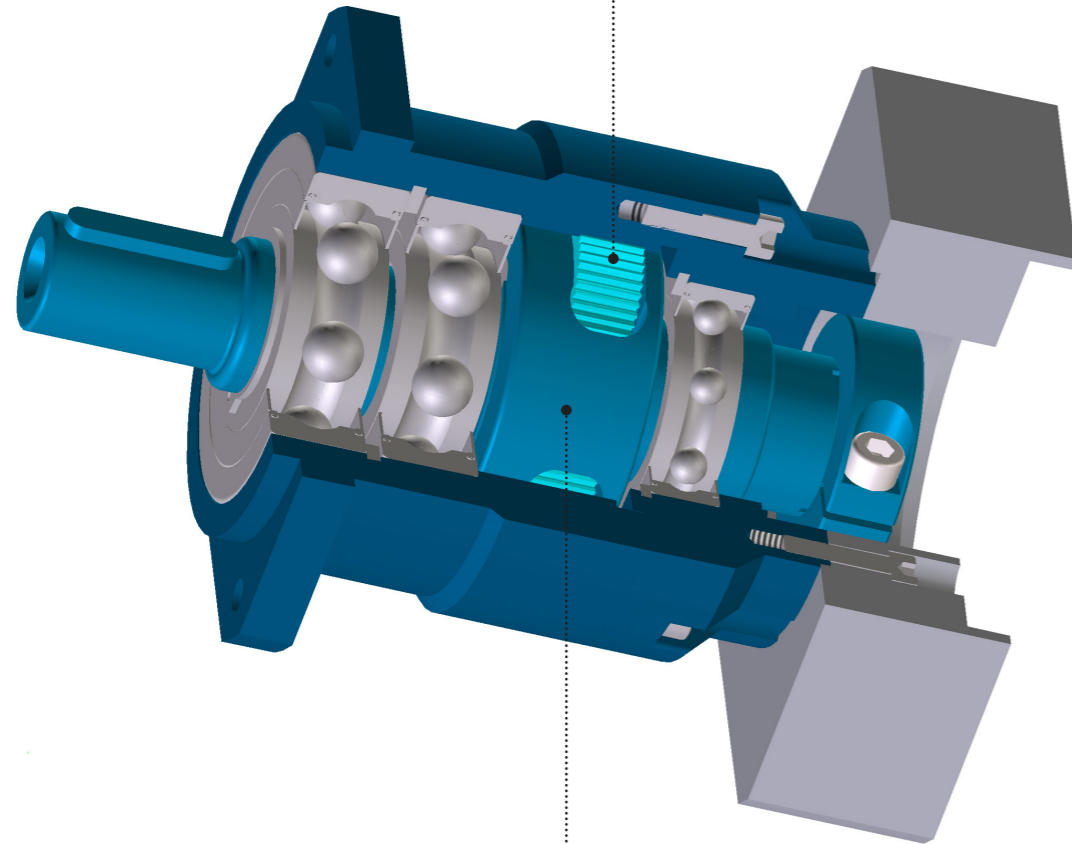
ACCESS-SQ



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

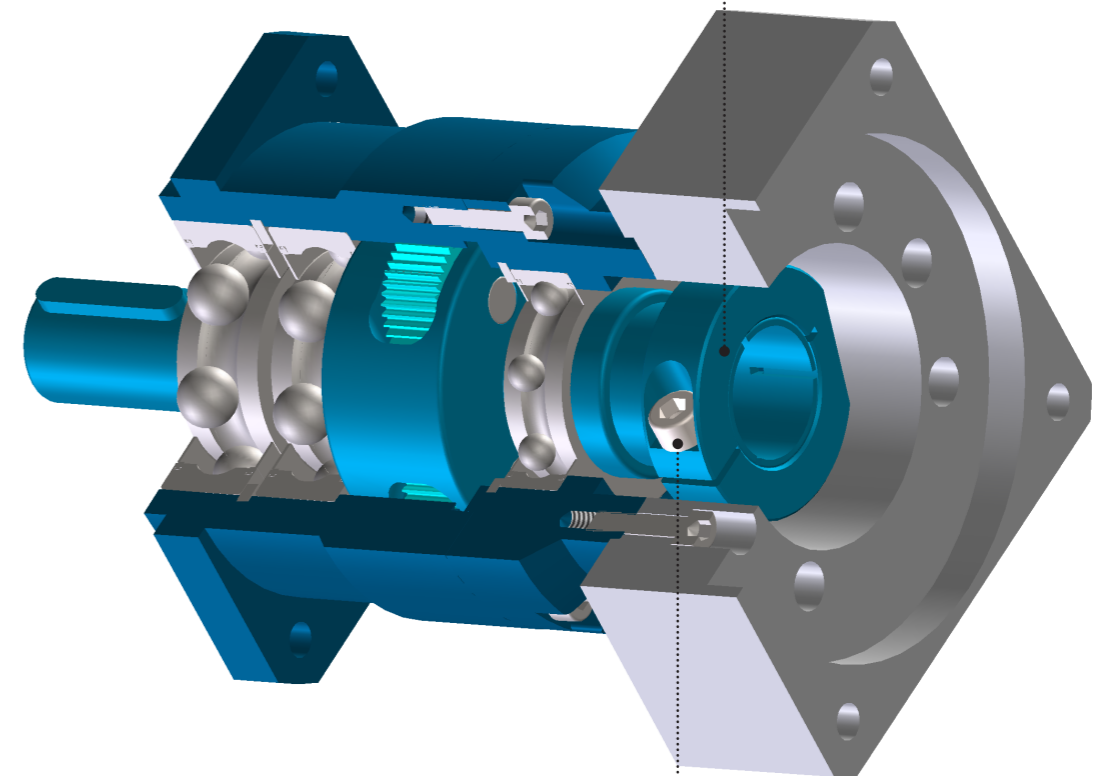
ACCESS-SQ-ST_ Internal construction

Carburized and quenched helical teeth provides, reliability and acceleration capacity.



The caged planet carrier provides stiffness, reliability and acceleration capacity to the gearbox. The caged planet carrier prevents the planets from tilting.

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



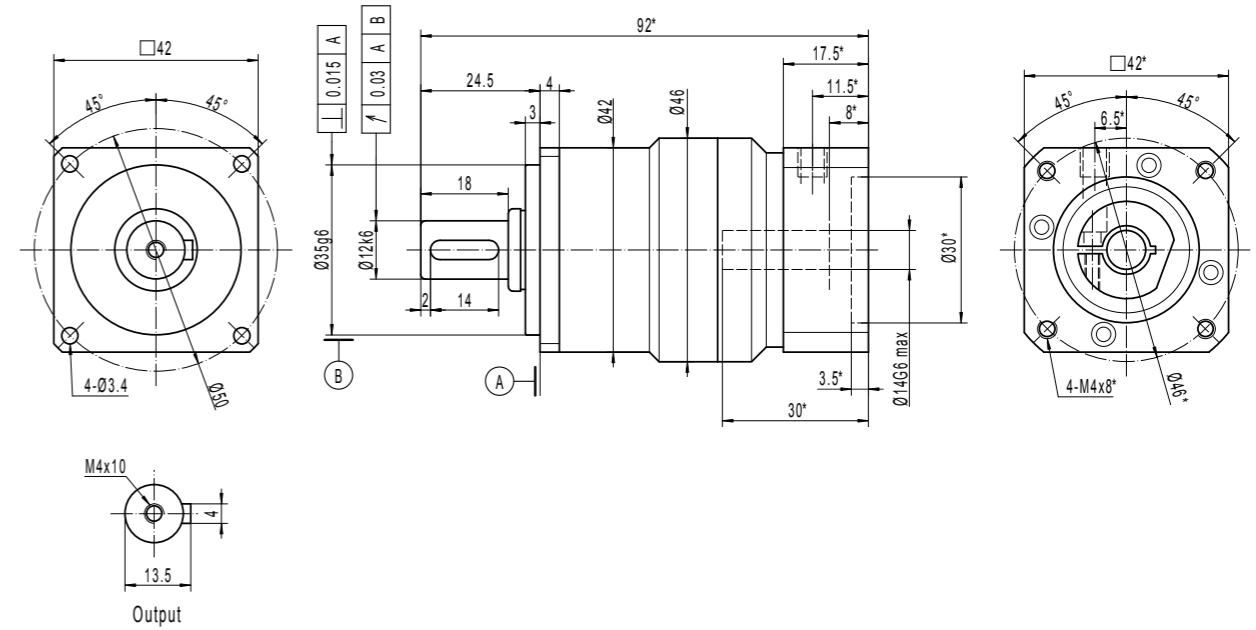
Easy and safe, 1-screw installation to your motor shaft.

	Ratio*	ACCESS-SQ-ST			
		040-P	060-P	090-P	120-P
Nominal torque ¹ T _{2N} (Nm)	3	-	29	54	170
	4	11	30	105	205
	5	9	24	81	160
	7	7	22	66	153
	10	5	15	45	102
	12	-	29	54	170
	15	-	29	54	170
	16	11	30	105	205
	20	11	30	105	205
	21	-	29	54	170
	25	9	24	81	160
	28	11	30	105	205
	30	-	29	54	170
	35	9	24	81	160
	40	11	30	105	205
	49	7	22	66	153
	50	9	24	81	160
70	7	22	66	153	
100	5	15	45	102	
Peak torque ² T _{max} (Nm)	3	-	57	107	338
	4	19	61	184	361
	5	14	47	130	300
	7	14	46	128	292
	10	13	43	116	260
	12	-	57	107	338
	15	-	57	107	338
	16	19	61	184	361
	20	19	61	184	361
	21	-	57	107	338
	25	14	47	130	300
	28	19	61	184	361
	30	-	57	107	338
	35	14	47	130	300
	40	19	61	184	361
	49	14	46	128	292
	50	14	47	130	300
70	14	46	128	292	
100	13	43	116	260	
Emergency stop torque (Nm) ³		1,5 x T _{max}			
Max angular backlash (minutes)	1 stage	≤10	≤7	≤5	≤5
	2 stages	≤13	≤10	≤8	≤8
Nominal input speed (rpm) ⁴		4,000	3,700	3,500	2,700
Max input speed (rpm) ⁵		10,000	8,000	7,000	6,000
Max radial load (N) ⁶		800	1,700	2,800	5,000
Max axial load (N) ⁶		700	1,550	1,900	4,000
Efficiency (%) ⁷	1 stage	≥97			
	2 stages	≥94			
Torsional stiffness (Nm/min)		1,4	4,2	13	33
Life (h) ⁸		20,000			
Min / max ambient temperature ⁹		-15 / +45			
Max temperature of the body (°C)		90			
Protection class		IP 54			
Noise level (dB) ¹⁰		≤62	≤64	≤66	≤68
Lubrication		Lifetime lubrication (grease)			
Coating color		Capri blue (RAL 5019)			
Input flange		Anodized aluminum			

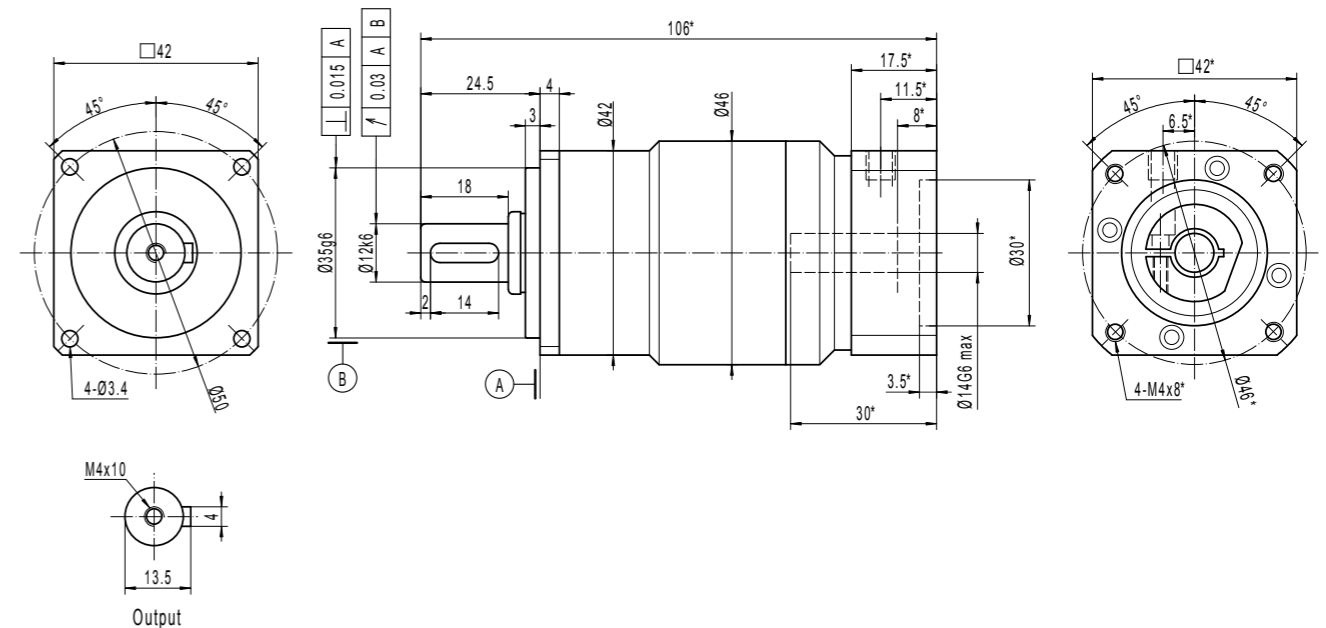
* Others ratios are available upon request.

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.

ACCESS-SQ-ST-040- 1 STAGE - RATIOS 4 TO 10
FOR MOTOR SHAFT ≤ Ø14

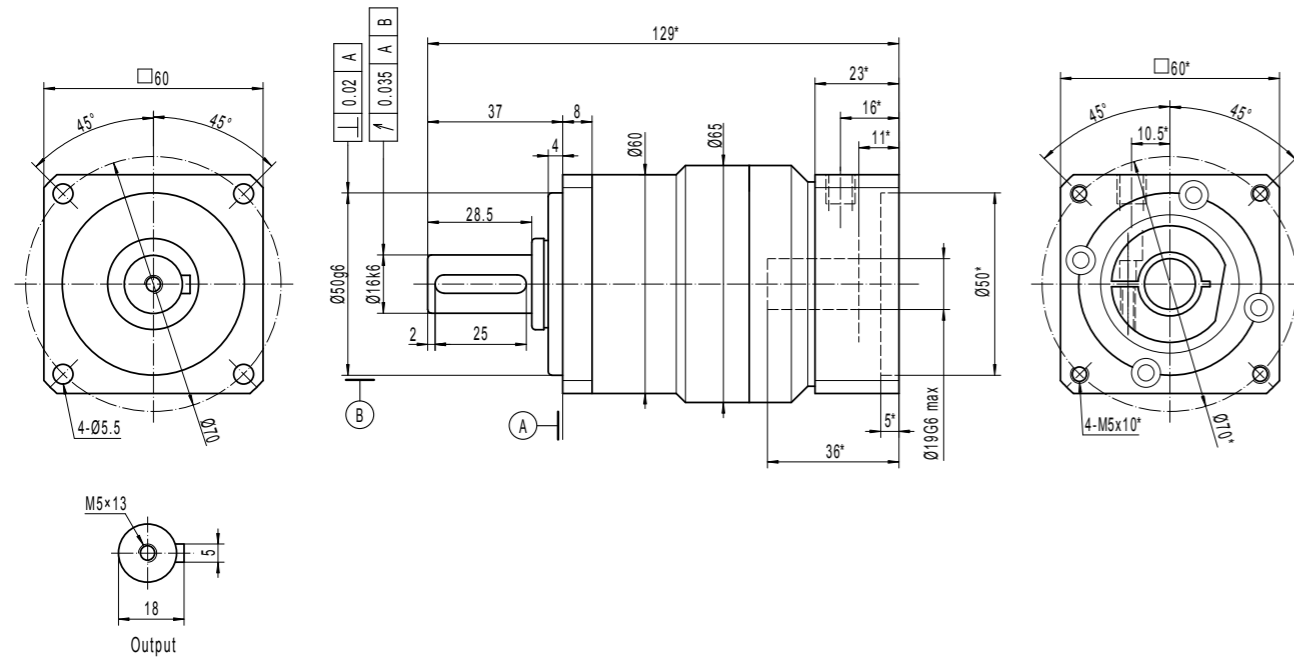


ACCESS-SQ-ST-040- 2 STAGES-P - RATIOS 16 TO 100
FOR MOTOR SHAFT ≤ Ø14

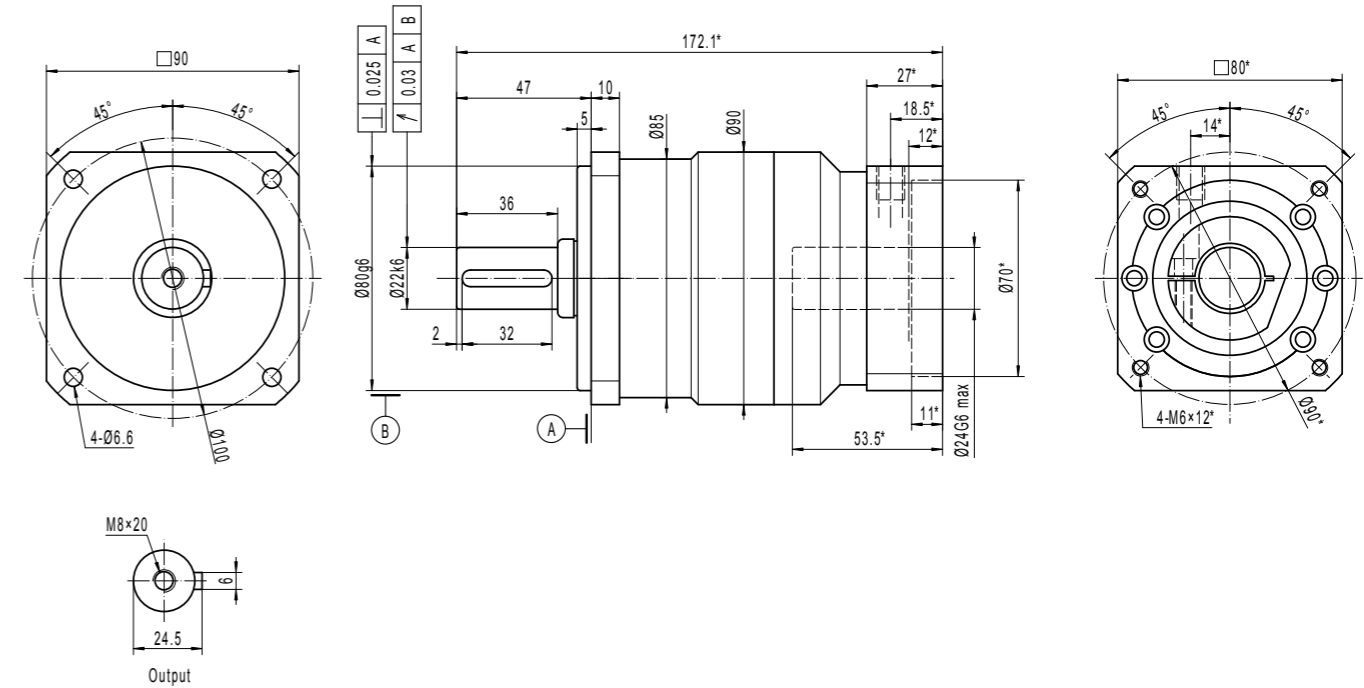


*VARIES WITH YOUR MOTOR DIMENSIONS

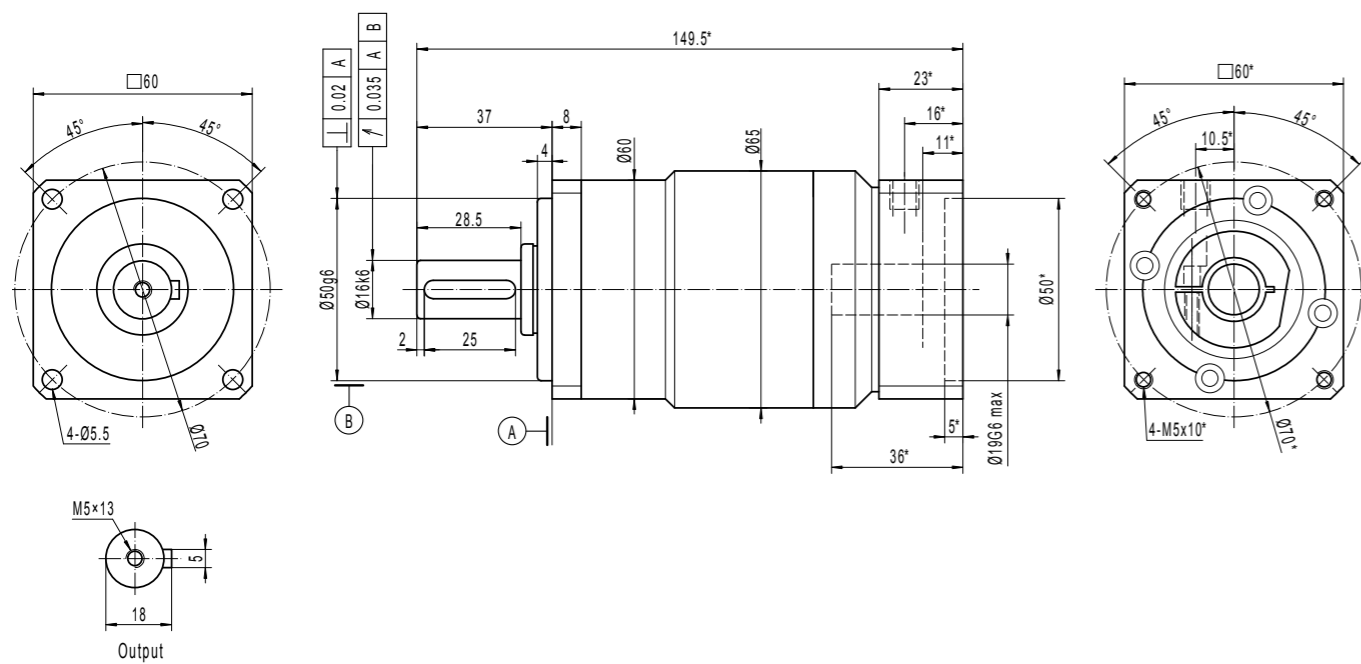
ACCESS-SQ-ST-060-1 STAGE - RATIOS 3 TO 10
FOR MOTOR SHAFT $\leq \varnothing 19$



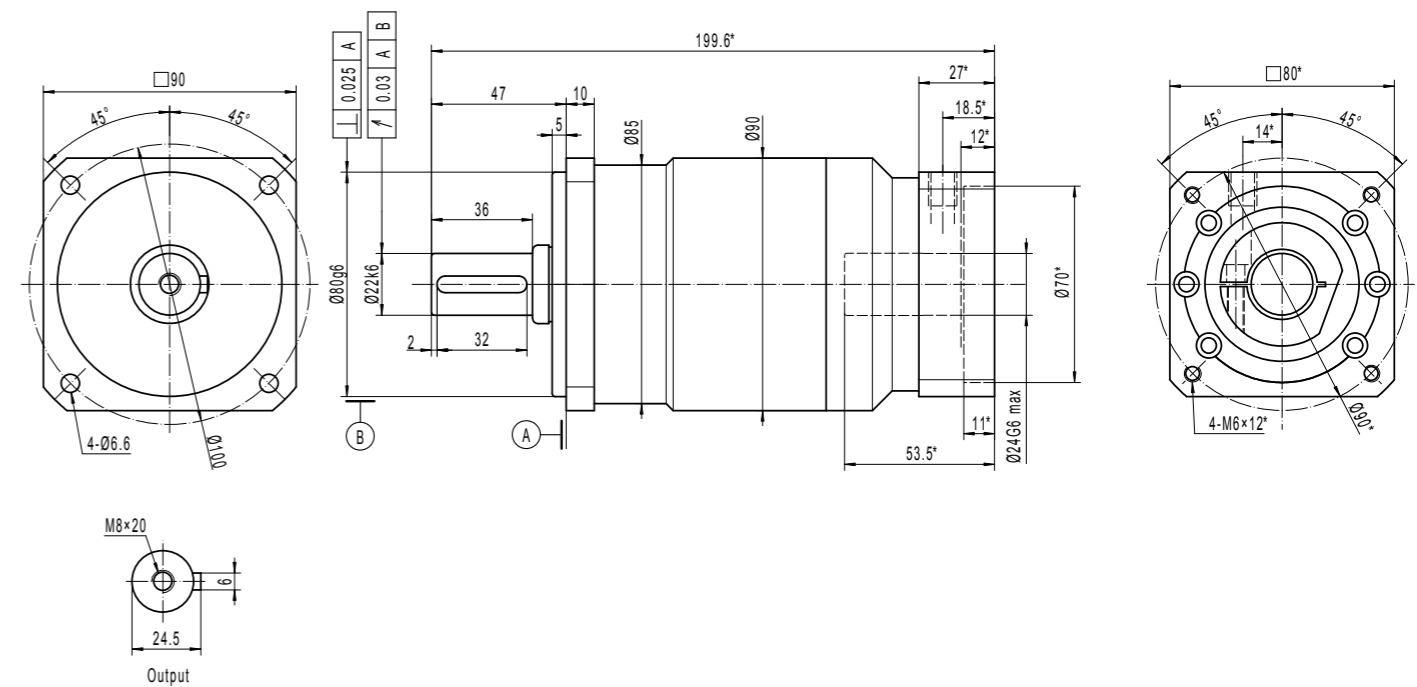
ACCESS-SQ-ST-090-1 STAGE - RATIOS 3 TO 10
FOR MOTOR SHAFT $\leq \varnothing 24$



ACCESS-SQ-ST-060-2 STAGES-P - RATIOS 12 TO 100
FOR MOTOR SHAFT $\leq \varnothing 19$



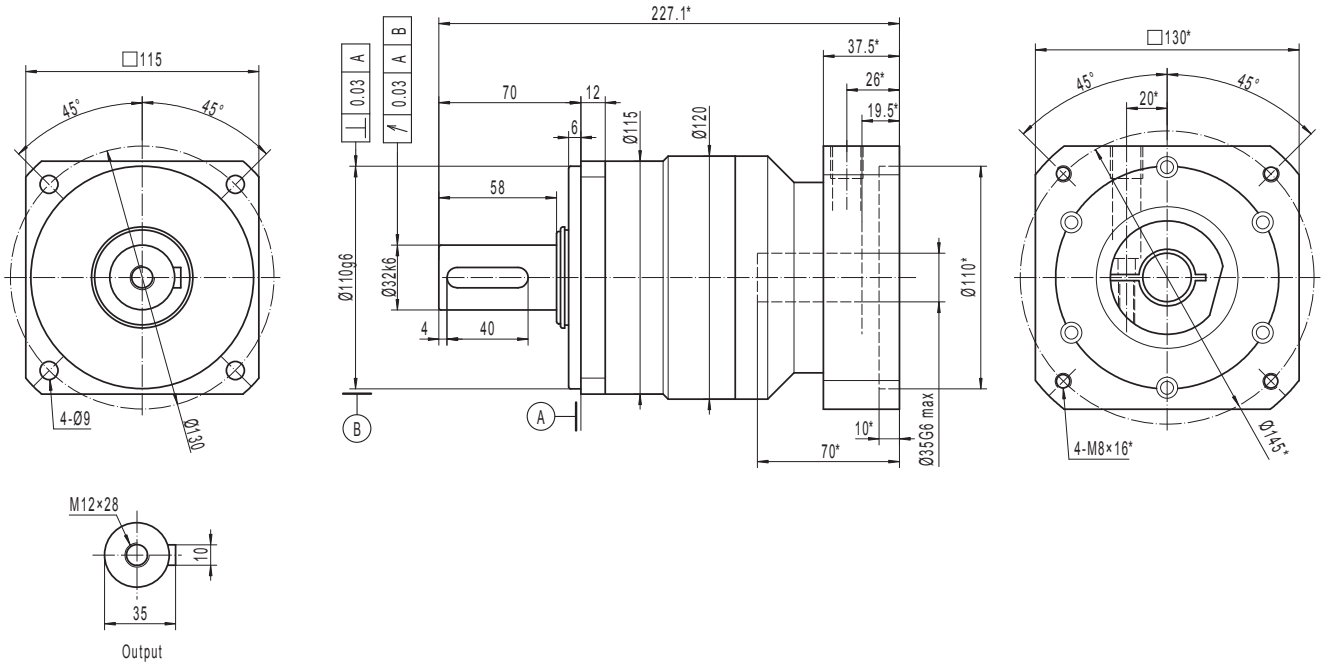
ACCESS-SQ-ST-090-2 STAGES-P - RATIOS 12 TO 100
FOR MOTOR SHAFT $\leq \varnothing 24$



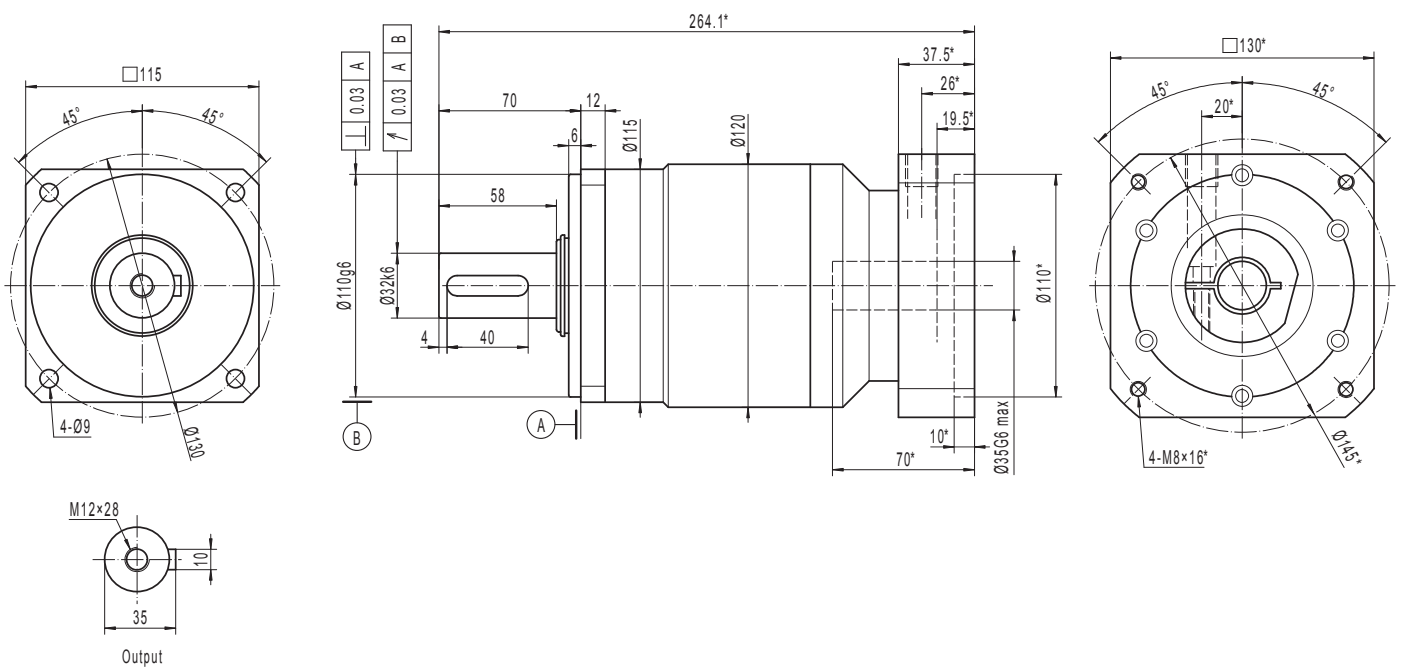
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ACCESS-SQ-ST-120- 1 STAGE - RATIOS 3 TO 10
FOR MOTOR SHAFT $\leq \varnothing 35$



ACCESS-SQ-ST-120- 2 STAGES-P - RATIOS 12 TO 100
FOR MOTOR SHAFT $\leq \varnothing 35$



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