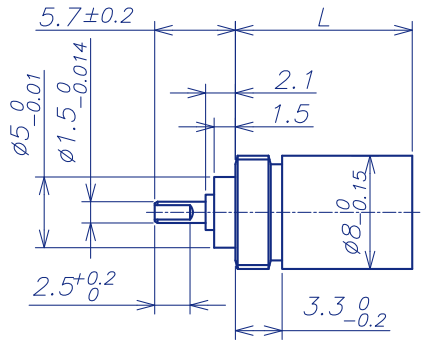
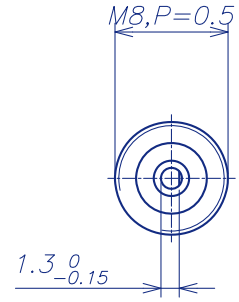
AM-8GP Series







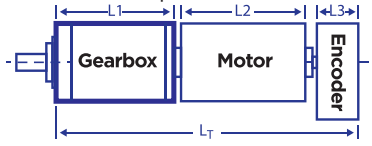
GEARBOX CHARACTER

Gear type	Straight teeth	Radial Play (6mm from flange)	max 0.1mm
Output shaft	Stainless steel hardened	Permissible force press fits	max. 10 N
Main gear	Alloy Steel hardened	Permisssible axial load (dynamic)	max. 5N
Ring gear	Stainless steel hardened	Recommended inut speed	12000RPM
Adapter plate	Stainless steel	Operating temperature range	-40°C ~ +100°C
Bearing AT output	Ball bearing	Operating humidity range	10-90%RH
Axial play	0-0.3	Number of stages	1 2 3 4 5
Directions	CW/CCW	Permissible load (5mm from flange)	5N 6N 7N 8N 8N

GEARBOX DATA

Number of stage	1	2	3	4	5
Reduction ratio X:1	4	16	64	256	1024
Reduction ratio absolute	4/1	16/1	64/1	256/1	1024/1
Motor shaft max. diametre (mm)	1.0	1.0	1.0	1.0	1.0
Gearbox lenght "L" (mm)	6.9	9.7	12.5	15.3	18.1
Max. continuous torque (N.m)	0.01	0.02	0.06	0.08	0.1
Max. intermittent torque (N.m)	0.015	0.03	0.09	0.2	0.2
Average backlash no load	1.8°	2.0°	2.2°	2.5°	2.8°
Gearbox efficiency	90%	81%	73%	65%	59%
Max. mass inertia (g.cm²)	0.002	0.003	0.003	0.003	0.003
Gearbox weight approx (g)	3	3.5	4	4.5	5
gearbox model	AM-8GPA-X	AM-8GPB-X	AM-8GPC-X	AM-8GPD-X	AM-8GPE-X

AM-8GP Example of combination



Recommend Motor:
Coreless Motor (w/E):
AM-CL08***

Brushless Motor (w/E):
AM-BL08***

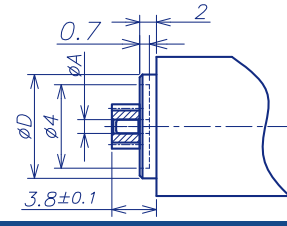
Recommend Encoder:
Suitable for Coreless Motor
Encoder S: AM-EN***

Suitable for Brushless Motor
Encoder S:
Encoder T:

INPUT GEARBOX DATA

Modulus	0.2
Press angle	20°
Teeth number	13
Max gear hole "A"	1.0
Max motor shaft	1.0
Motor dimension "D"	6.4

MOTOR DIMENSION



GEARBOX MOTOR LENGTH "LT"

Gear motor length L_T	38.9
Gear box length L_1	6.9
Motor length L_2	24
Encoder length L_3	8

Download datasheet: https://assunmotor.com/documents-download

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