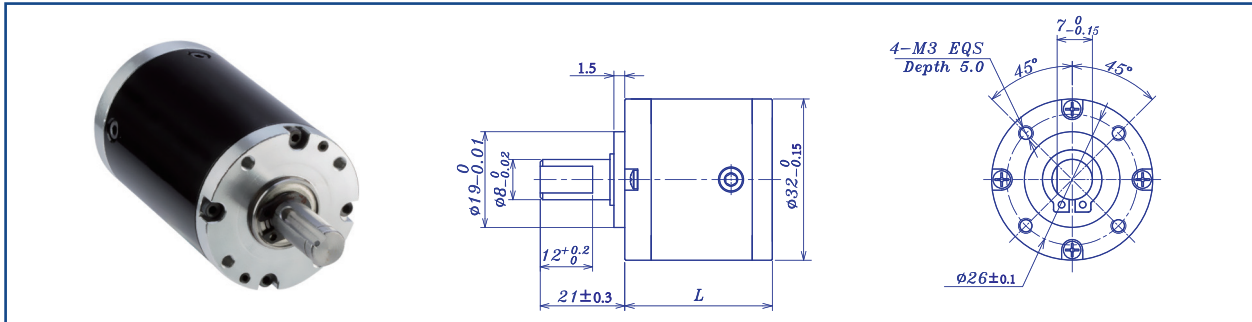


AM-32P Series

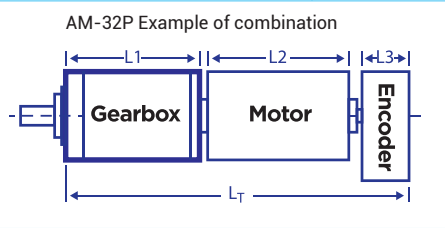


GEARBOX CHARACTER

Gear type	Straight teeth	Average backlash on load	$\leq 2^\circ$
Output shaft	Stainless steel hardened	Radial Play	≤ 0.1
Main gear	Alloy Steel	Permissible axial load	$\leq 110N$
Ring gear	Steel	Permissible force press fits	$\leq 200N$ (5mm from mounting face)
Adapter plate	Aluminium alloy	Recommended inut speed	$\leq 8000RPM$
Bearing AT output	Ball bearing	Operating temperature range	$-20^\circ C \sim +100^\circ C$
Axial play	0-0.3	Operating humidity range	10-90%RH
Directions	CW/CCW		

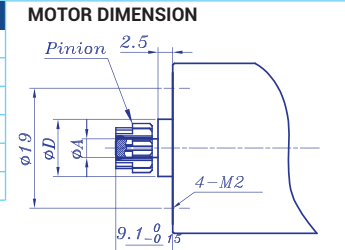
GEARBOX DATA

Number of stage	1	2	3	4
Reduction ratio X:1	3.4 3.8 4.4 5.3 6.7	12 18 28 13 19 29 15 20 35 17 23 44 26	40 74 129 45 85 152 50 95 184 56 106 233 65 121 296	296 534 1016 327 637 1136 375 760 1304 405 860 1556 447 965 1975
Reduction ratio absolute	24/7 23/6 22/5 21/4 20/3	576/49 18/1 441/16 92/7 484/25 88/3 529/36 16/18 35/1 253/15 231/10 400/9 230/9	13824/343 189/2 2208/49 3381/32 1053/21 4851/40 12167/2 1936/15 5819/90 3200/21 5566/75 735/4 10648/125 700/3 8000/27	85169/288 194481/256 122452/375 7744/9 234256/625 15435/16 25921/64 64000/63 53361/100 92000/81 101871/160 35200/27 14000/9 160000/81
Gearbox length "L" (mm)	31.2	38.7	46.2	53.7
Max. continuous torque (N.m)	1.9	2.5	3.2	3.9
Max. intermitten torque (N.m)	2.9	3.8	4.8	5.7
Gearbox efficiency	90%	81%	72%	65%
Moment of inertia range (g.cm ²)	1.5	1	1	1
Gearbox weight approx (g)	135	168	200	236
Gearbox model	AM-32PA-X-01	AM-32PB-X-01	AM-32PC-X-01	AM-32PD-X-01



<p>Recommend Motor:</p> <p>Coreless Motor: (w/E) AM-CL2831MAN AM-CL2845MAN</p> <p>Brushless Motor (w/E) AM-BL2845AN</p>	<p>Recommend Encoder:</p> <p>Suitable for Coreless Motor Encoder S: AM-EN1611S***</p> <p>Suitable for Brushless Motor Encoder S: AM-EN1611S*** Encoder T: AM-EN2412T***</p>
--	--

INPUT GEARBOX DATA	
Modulus	0.45
Press angle	20°
Teeth number	9 12 15 18 21
Max gear hole "A"	2.0 3.0 4.0 5.0 6.0
Max motor shaft	2.0 3.0 4.0 5.0 6.0
Motor dimension "D"	10.0 16.0



GEARBOX MOTOR LENGTH "LT"	
Gear motor length L _T	72.9 95.7
Gearbox length L ₁	31.2 38.7
Motor length L ₂	31 45
Encoder length L ₃	10.7 12

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

Visit Our Website and Online Shop at <https://assunmotor.com> Contact: info@assunmotor.com