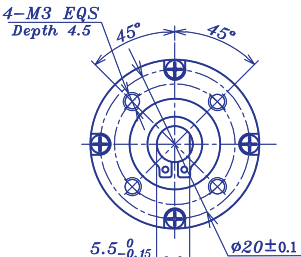
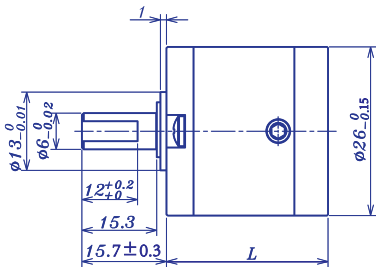
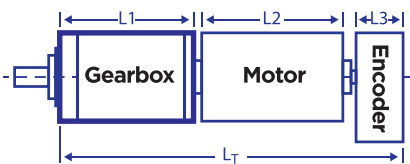
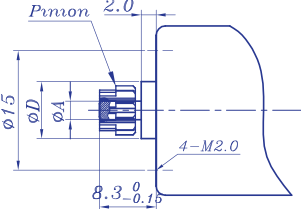


AM-26P Series

																																																		
GEARBOX CHARACTER																																																		
Gear type	Straight teeth			Average backlash on load		≤2°																																												
Output shaft	Stainless steel hardened			Radial Play		≤0.1																																												
Main gear	Alloy Steel			Permisssible axial load		≤80N																																												
Ring gear	Steel			Permissible force press fits		≤150N (5mm from mounting face)																																												
Adapter plate	Alluminium alloy			Recommended inut speed		≤8000RPM																																												
Bearing AT output	Ball bearing			Operating temperature range		-20°C ~ +100°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	12	18	28	40	74	129	296	534	1016																																								
	3.8	13	19	29	45	85	152	327	637	1136																																								
	4.4	15	20	35	50	95	184	375	760	1304																																								
	5.3	17	23	44	56	106	233	405	860	1556																																								
	6.7	26			65	121	296	447	965	1975																																								
Reduction ratio absolute	24/7	576/49	18/1	441/16	13824/343	189/2		85169/288	194481/256																																									
	23/6	92/7	484/25	88/3	2208/49	3381/32		122452/375	7744/9																																									
	22/5	529/36	161/8	35/1	1053/21	4851/40		234256/625	15435/16																																									
	21/4	253/15	231/10	400/9	12167/2	1936/15		25921/64	64000/63																																									
	20/3		230/9		5819/90	3200/21		53361/100	92000/81																																									
					5566/75	735/4		101871/160	35200/27																																									
					10648/125	700/3			14000/9																																									
						8000/27			160000/81																																									
Gearbox lenght "L" (mm)	28.2		34.5		40.8			47.1																																										
Max. continuous torque (N.m)	1.3		1.7		2.1			2.6																																										
Max. intermitten torque (N.m)	1.9		2.6		3.2			3.8																																										
Gearbox efficiency	90%		81%		72%			65%																																										
Moment of inertia range (g.cm ²)	1		0.9		0.6			0.6																																										
Gearbox weight approx (g)	65		85		105			120																																										
Gearbox model	AM-26PA-X-01		AM-26PB-X-01		AM-26PC-X-01			AM-26PD-X-01																																										
AM-26P Example of combination 					INPUT GEARBOX DATA <table><tr><td>Modulus</td><td colspan="5">0.4</td></tr><tr><td>Press angle</td><td colspan="5">20°</td></tr><tr><td>Teeth number</td><td>9</td><td>12</td><td>15</td><td>18</td><td>21</td></tr><tr><td>Max gear hole "A"</td><td>1.5</td><td>3.0</td><td colspan="3">4.0</td></tr><tr><td>Max motor shaft</td><td>1.5</td><td>3.0</td><td colspan="3">4.0</td></tr><tr><td>Motor dimension "D"</td><td colspan="5">10.0</td></tr></table>					Modulus	0.4					Press angle	20°					Teeth number	9	12	15	18	21	Max gear hole "A"	1.5	3.0	4.0			Max motor shaft	1.5	3.0	4.0			Motor dimension "D"	10.0					MOTOR DIMENSION 				
Modulus	0.4																																																	
Press angle	20°																																																	
Teeth number	9	12	15	18	21																																													
Max gear hole "A"	1.5	3.0	4.0																																															
Max motor shaft	1.5	3.0	4.0																																															
Motor dimension "D"	10.0																																																	
Recommend Motor: Coreless Motor (w/E): AM-CL2532MAN AM-CL2545MAN Brushless Motor (w/E) AM-BL2453AN					Recommend Encoder: Suitable for Coreless Motor Encoder S: AM-EN1611S*** Suitable for Brushless Motor Encoder S: AM-EN1611S*** Encoder T: AM-EN2412T***																																													
GEARBOX MOTOR LENGTH "LT"																																																		
Gear motor length L _T					72.2		90.2																																											
Gearbox length L ₁					28.2		34.5																																											
Motor length L ₂					32		45																																											
Encoder length L ₃					12		10.7																																											

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