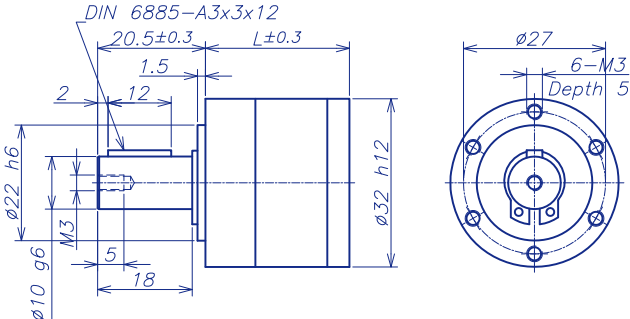
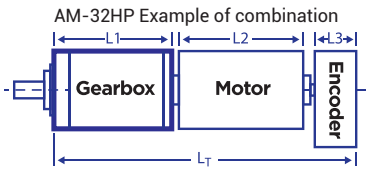
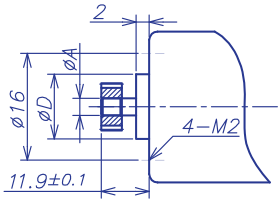
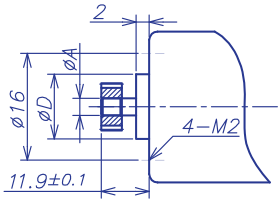
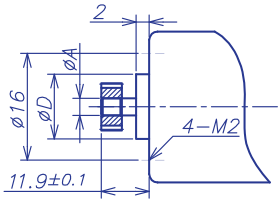


AM-32HP Series

																																																							
GEARBOX CHARACTER																																																							
Gear type				Straight teeth				Radial Play (10mm from flange)				max 0.1mm																																											
Output shaft				Stainless steel hardened				Permissible force press fits				max. 150 N																																											
Main gear				Alloy steel hardened				Permissible axial load (dynamic)				max. 120N																																											
Ring gear				Stainless steel hardened				Recommended input speed				10000RPM																																											
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																																					
Directions				CW/CCW				Permissible load (13mm from flange)				110N		175N		205N		205N																																					
GEARBOX DATA																																																							
Number of stage		1			2			3			4																																												
Reduction ratio X:1		3.4	4.2	5.8	11	33	47	72	138	160	337	792																																											
					14		59	81		198	416																																												
					17			100		244	465																																												
					19					273	574																																												
					24																																																		
Reduction ratio absolute		27/8	25/6	23/4	729/64	529/16	6075/128	15625/216	12167/64	164025/1024	43125/128	304175/384																																											
					225/16		1875/32	5175/64	13225/96	50625/256	359375/864																																												
					625/36			14375/144		15625/64	119025/256																																												
					621/32					139725/512	330625/576																																												
					575/24																																																		
Motor shaft max. diameter (mm)		4		3	4	3	4		3	4		3																																											
Gearbox length "L" (mm)		27.4			35.9			44.4			52.9																																												
Max. continuous torque (N.m)		3			5			8.5			9.5																																												
Max. intermittent torque (N.m)		4.5			7.5			12.5			14																																												
Average backlash no load		0.8°			1.0°			1.0°			1.0°																																												
Gearbox efficiency		90%			81%			73%			65%																																												
Max. mass inertia (g.cm²)		1.6			1.49			1.48			1.48																																												
Gearbox weight approx (g)		160			240			260			310																																												
gearbox model		AM-32HPA-X			AM-32HPB-X			AM-32HPC-X			AM-32HPD-X																																												
																																																							
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