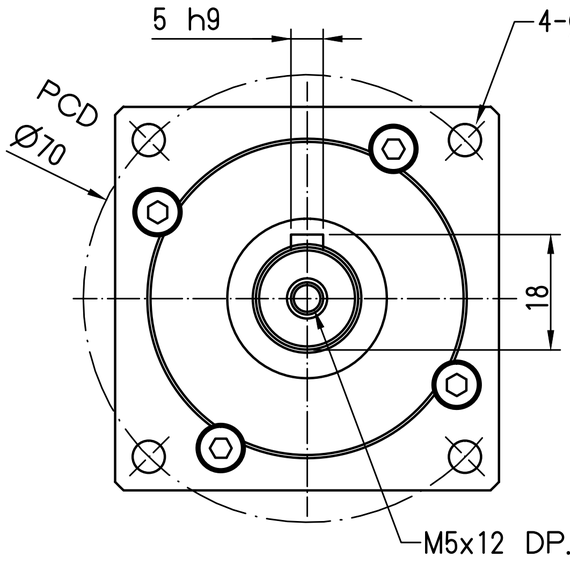
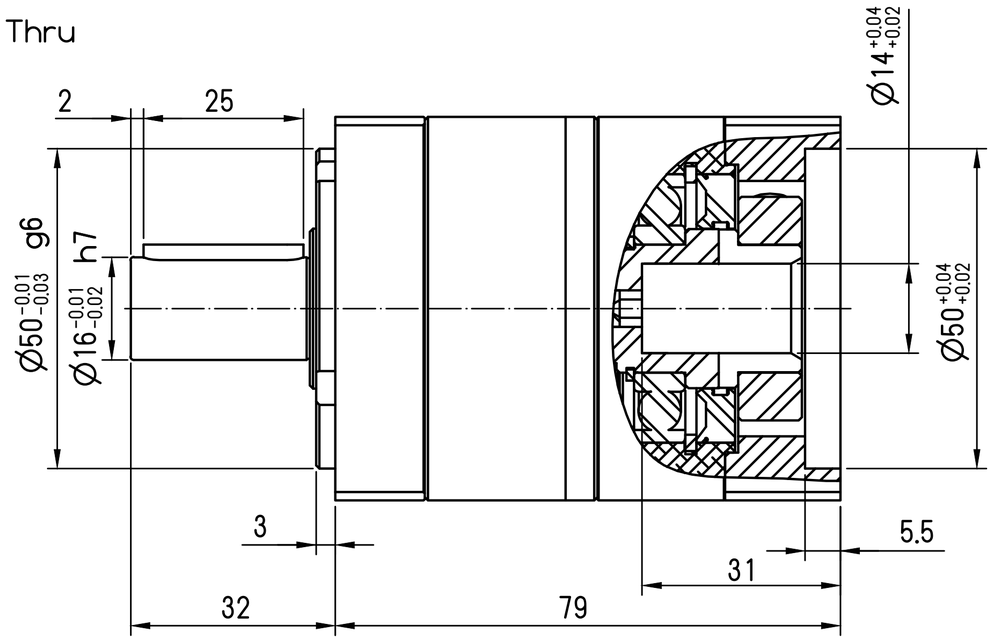
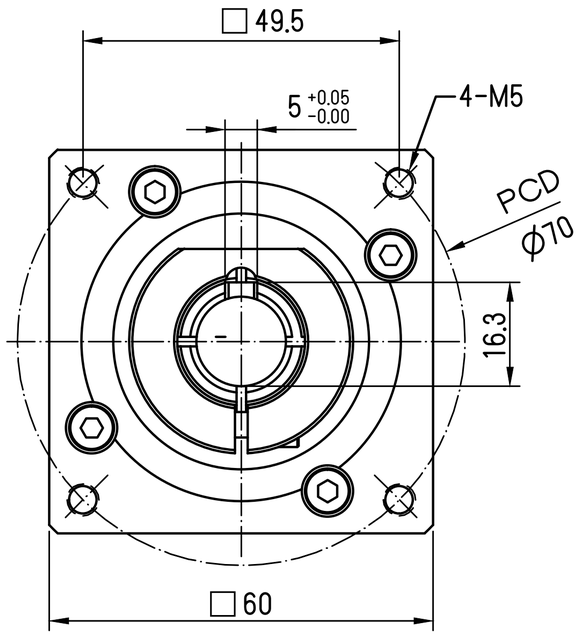
MPS-60 Stage 1 / N24-14

Mach Motion Products

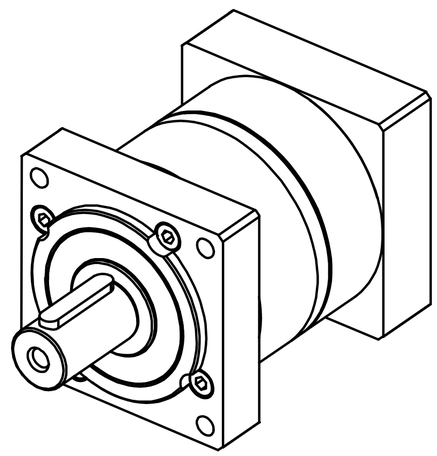






SPECIFICATIONS				
Stage		1		
Gear Ratio	i	3:1	5:1	10:1
Rated Output torque	Nm	34	48	10.5
Moment of Inertia	$g\text{-}cm^2$	140	90	60
Tosional Stiffness	Nm/arcmin	2.2		
Max output torque	Nm	2.5x Rated Outout Torque		
Max radial load	N	1200		
Max axial load	N	1050		
Max input speed	RPM	10,000		
Backlash	acrmin	≤12 (standard) | ≤6 (precision)		
Noise level	dB(A)	≤62		
Operating temp.	°C	-25~90		
Lifetime	Hrs	20,000		
Full Load Efficiency	%	≥96		
Protection Level		IP64		
Weight	Kg / lbs	1.2 / 2.65		
Tightening Clamp Torque	N.m / in-lbs	3.92 / 34.71		

NOTES:
Unless Otherwise Specified
All Angles ±0.5°
Break All Edges 0.2mm-0.8mm
Decimals .X ±0.2/ .XX ±0.05
T.I.R ◎ 0.05 ⌭ 0.05 ⫽ 0.05



Unit: mm	Technical reference Scale: 1:1.5		Approved by
		Document type	Document status
		Title MPS-60-XXX-15-N24-14	Planetary Gearbox
			Rev. / Date of issue / Sheet