

Driving Wheel: MSD180-□□-100-30G□L-□
① ② ③

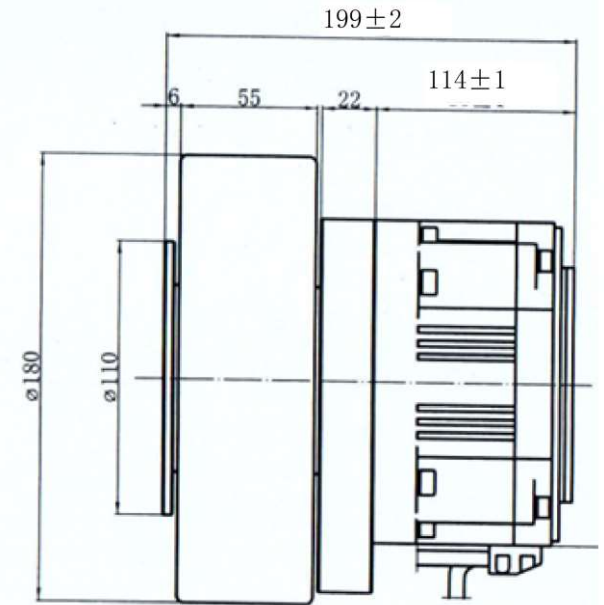
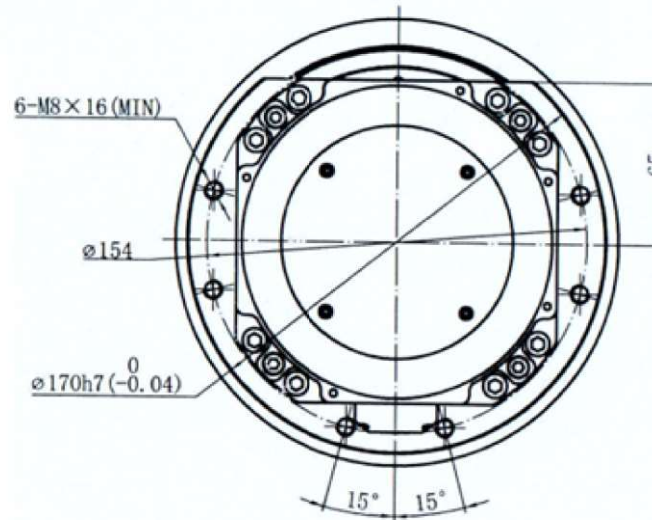
Main parameter	MSD180-□□-100-30G□L-□ ① ② ③
Gear ratio①	20
Rated speed (m/s)	1.4
Max. speed (m/s)	2.0
Final rated torque (N·m)	60
Motor rated voltage (VDC)	48
Motor power (W)	1000
Motor rated speed (rpm)	3000
Gearbox radial load (N)	10000
Gearbox efficiency	94%
Protection level (motor/gearbox)	IP54

Option/Customization

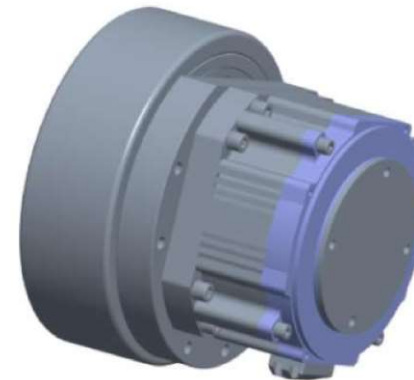
Dual Encoder (Option) ②	L (SL/N) = 80mm
Single: SL Dual: EL	L (SL/B) = 114mm
Brake (Option) ③	
Without: N With: B	
Brakeect	Can be deep customization
High protection level (Motor/Gearbox)	Can be customization
Tire (Tread)	Can be customization

Complementary products	Part number
Drive	MBDV-53SAC
Jacking Module	
Rotation Module	

※Note: MBDV series drive has CE/UL/STO certifications



Tire is a replaceable part,
recommending users to prioritize self-supply



Unit:mm

Unit:mm
第一角画法
First angle method
未注线性与角度尺寸公差
Tolerances for linear and angular dimensions
without individual tolerance indications
GB/T 1804-m eqv ISO 2768-1:m
未注形状与位置尺寸公差
Geometrical tolerance for features without
individual tolerance indications
GB/T 1184-K eqv ISO 2768-2:K

批准 Approve
标准化 Standardize
工艺 Process Review
审核 Check
设计 Design
AGV
2025

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