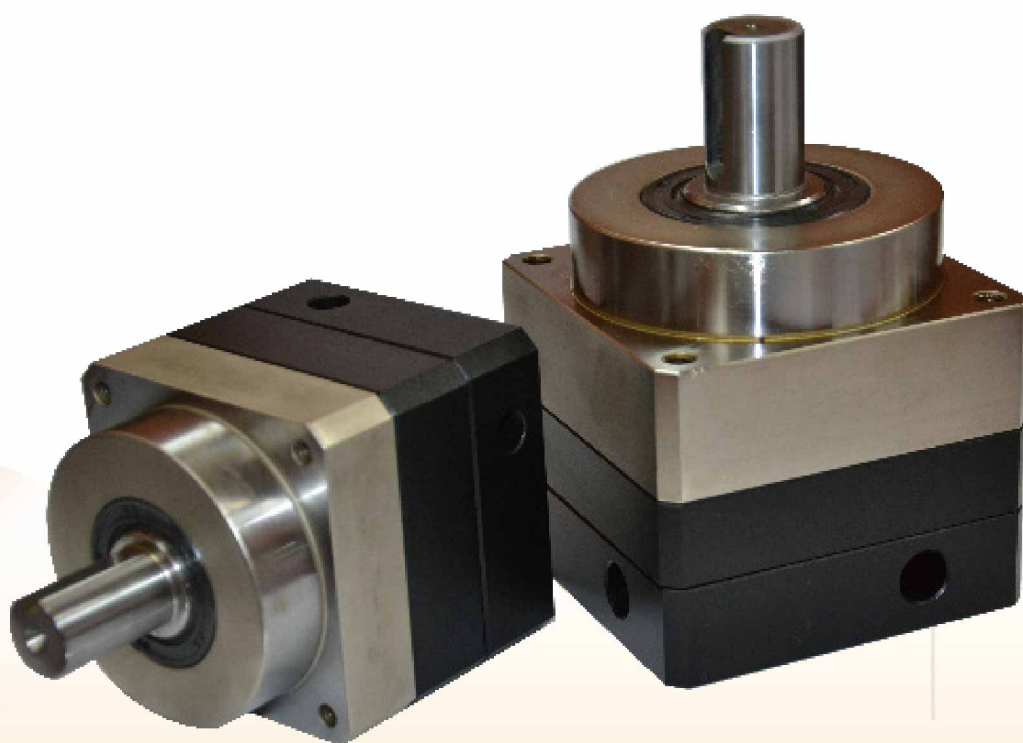


VG series

HIGH PRECISION

PLANETARY REDUCER



Helical Gear

** compatible model with SHIMPO*

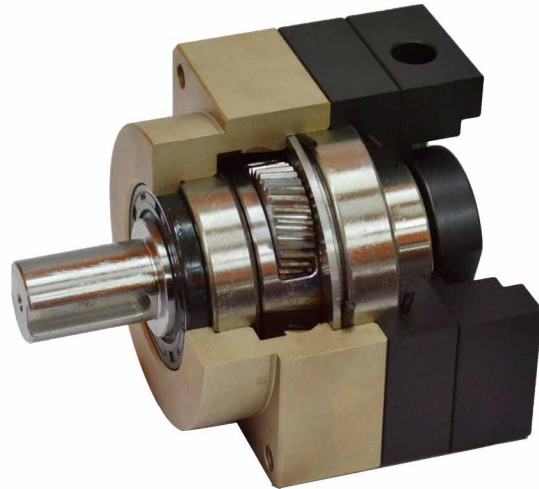
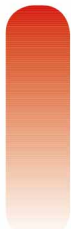
VG SERIES

Product Features

65dB



60dB



Use Japanese specification
Small in size

Adopting helical gear design, the contact ratio of planetary reducer is twice higher than vertical one. Smooth running, high output torque and low backlash are distinguished features.



Triple split collet with dynamic balanced set collar clamping system provides backlash free power transmission and eliminates slippage. 100% concentricity allows for smooth rotation and higher input speed capability.



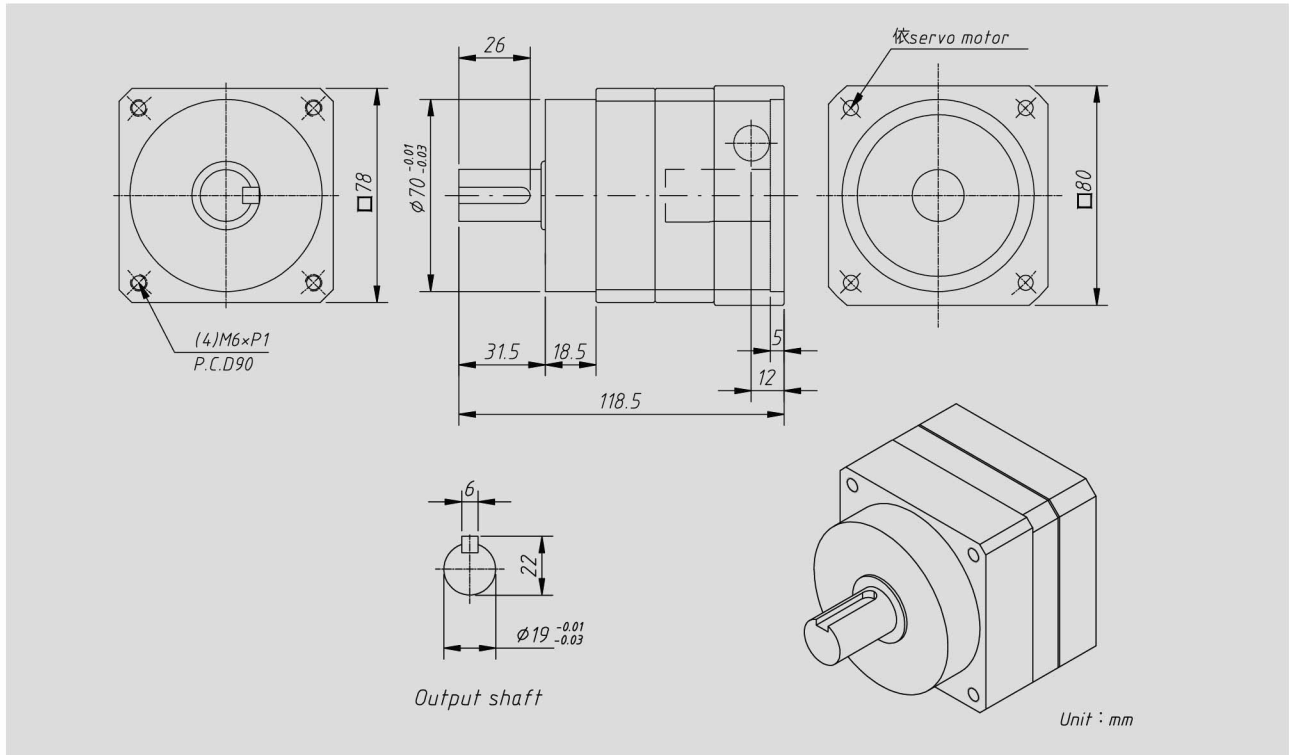
Integrated design of planet carrier and output shaft ensures the maximum torque stiffness and stability.



Gear box and internal ring gear are integrated designed, diameter maximized, high precision and high torque capacity are specialties.

MODEL : VG78 SERIES

1-Stage (Ratio: 3~10)

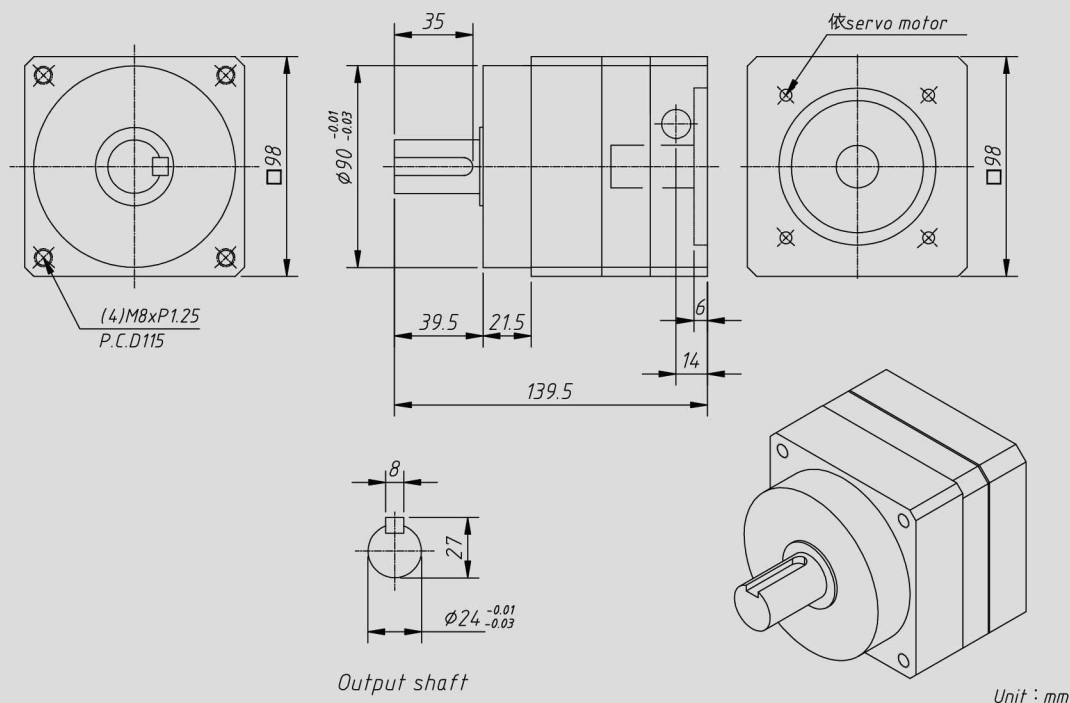


VG

Ratio	3	4	5	6	7	8	9	10
Nominal Output Torque (N.m)	55	50	48	45	46	45	44	43
Max. input Speed	10000 rpm							
Nominal input Speed	5000 rpm							
Standard Backlash	≤ 7 arcmin							
Emergency Stop Torque	3 Time Of Nominal Output Torque							
Torsional Rigidity	7 Nm							
Max. Radial Force	1250 N							
Max. Axial Force	660 N							
Service Life	20000 hr							
Operating Temp	-25°C ~ 90°C							
Efficiency	≥ 97%							
Lubrication	Synthetic Lubrication Grease							
Noise Level (nl=3000rpm,no loading)	58 dB							
Gearbox Protection Level	IP65							
Mounting Position	Any Direction							
Weight ±3%	2.2 kg							

MODEL : VG98 SERIES

1-Stage (Ratio: 3~10)



Ratio	3	4	5	6	7	8	9	10
Nominal Output Torque (N.m)	130	140	160	150	148	142	145	141
Max. input Speed	8000 rpm							
Nominal input Speed	4000 rpm							
Standard Backlash	≤ 7 arcmin							
Emergency Stop Torque	3 Time Of Nominal Output Torque							
Torsional Rigidity	14 Nm							
Max. Radial Force	3230 N							
Max. Axial Force	1615 N							
Service Life	20000 hr							
Operating Temp	-25°C ~ 90°C							
Efficiency	≥ 97%							
Lubrication	Synthetic Lubrication Grease							
Noise Level (nl=3000rpm, no loading)	60 dB							
Gearbox Protection Level	IP65							
Mounting Position	Any Direction							
Weight ±3%	4.2 kg							