

Precision Rotatory Motion Hollow Gearbox MHR Series

Precise Positioning! Ideal rotatory-motion device!

Features: Helical gears & crossed roller bearings adopted, the MHR series can position precisely at any angles, stably, quietly & durably; can install with servo or stepping motors and working turntable on it directly, both horizontal or vertical installation feasible; input compatible to all motors or planetary gearboxes (e.g., NEMA mounting) as specific input adapters will be supplied together per customers' motors or gearboxes.

Applications: for a variety of "rotating-motion" machines or automation applications. Machine tools with indexing device (e.g., tool changer), automation equipment, robotics, inspection machines, semiconductor equipment, food or packaging machines, filling machines, inspection machines, SPM, automatic welding machines, honing machines, etc.

Advantages: precise positioning, direct and easy installation, stably rotating, excellent quality, high efficiency, low noise & durable.

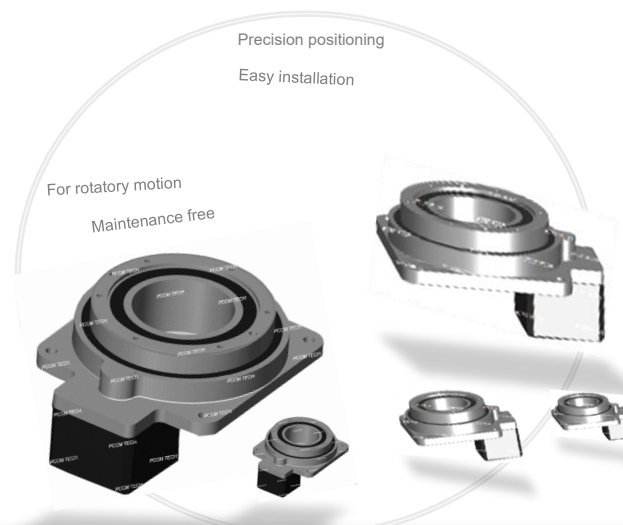
Selecting Principles: mainly per motor powers while taking into account turntable dia., loading, motor shaft dia., motor flange dia., etc.

MHR series specifications						
Frame size	MHR60	MHR85	MHR130	MHR200	MHR350	MHR450
Motor watt to adopt	100W	200-400W	200-400W	750W-1KW	1KW~3KW	5-10KW
Allowable torque	5N.m	40N.m	50N.m	80N.m	320N.m	400N.m
Allowable output speed	200rpm	200rpm	200rpm	200rpm	200rpm	150rpm
Reduction ratio	5:1, 10:1	10:1, 18:1	10:1, 18:1	10:1, 18:1	10:1, 18:1	10:1
Position accuracy	≤ 1 arc min	≤ 1 arc min	≤ 1 arc min	≤ 1 arc min	≤ 1 arc min	≤ 1.5 arc min
Repeatability accuracy	≤ ±10 arc sec	≤ ±10 arc sec	≤ ±10 arc sec	≤ ±10 arc sec	≤ ±10 arc sec	≤ ±10 arc sec
Allowable axial load	250N	550N	2000N	4100N	9000N	11000N
Allowable moment of inertia	5N.m	12N.m	50N.m	100N.m	300N.m	400N.m
Noise level	60dB	60dB	60dB	60dB	63dB	65dB
Service life	20000 hrs.	20000 hrs.	20000 hrs.	20000 hrs.	20000 hrs.	20000 hrs.

1. Other ratios or frame sizes maybe available per demanded. 2 MHR input compatible to various motor shaft types (e.g., smooth shaft, motor shaft with keyway).

3. Other custom (e.g., mounting hoes sizes, PCD, input hole dia., specific housing, etc.) maybe available.

Remarks: The specifications or product color maybe subject to advance without prior notification.



For more details, please contact with PCPCM TECH.