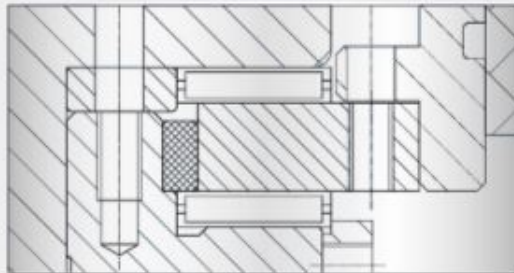




TYPE	HYDEX ROLLER CAM	WORM / WORM GEAR	DIRECT - DRIVE TORQUE MOTOR
Engaging Parts Material and Hardness	Cam Shaft: Carburized Steel, HRC 58°~60°	Worm: Carburized Steel, HRC60	Direct Drive by Motor
	Cam Follower: Bearing Steel, HRC 58°~60°	Worm Gear: Phosphor Bronze, HB90	
Contact Type	Rolling Contact	Sliding Contact	-
Backlash	Nearly Zero-backlash (Within 5 arc - sec)	Backlash Required	-
Table Surface Accuracy Repeatability	Good	Low	Good
Engaging Parts Preload	Required	Not Available	Without
Transmission Efficiency	High	Low	High
Indexing Accuracy	Within 20 arc-sec	15 ~ 20 arc-sec	Within 30 arc-sec
Thermal Growth	Low (Slightly higher than normal Temperature)	High	Low
High Speed	Good	Poor	Good
Dynamic Cutting Rigidity	High	Low	Low
Durability	Good	Poor	Moderate
Backlash Adjustment	No Need	Required	-



RADIAL AND AXIAL BEARING LAYOUT
AR-135 / AR-160 / AR-200

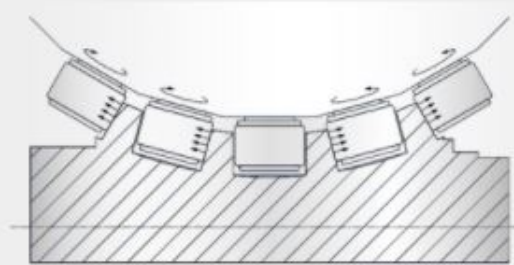


FIGURE OF ROLLER AND CAM ENGAGEMENT



交叉滚子轴承
AR-250 / AR-320 / AR-500