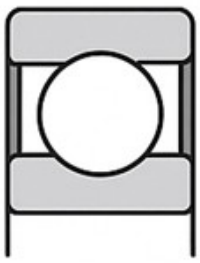
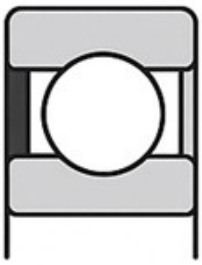
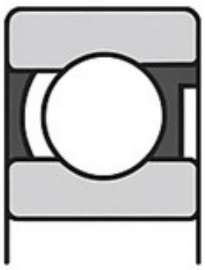
Seals, Shields, and Smart Choices:

Understanding Bearing Closures

BEARING CW

Bearing Closure Type		
Open	Shields (Z/ZZ)	Seals
		
Sealing Efficiency		
None	Moderate protection, low friction needs	Highest
Friction Torque		
None	None	Highest
Speed Capacity		
Highest	Highest	Moderate to High
Best For		
Clean, lubricated systems	Moderate protection, low friction needs	Contaminated environments, grease retention
Learn more:	www.cwbearing.com	Northville, MI