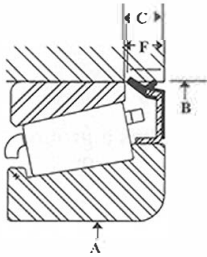


# Excluder Seals® for Tapered Roller Bearings

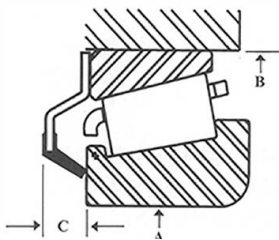
Note: Tables are arranged by cone bore size, -A-.



## CY1

The CY1 seal features a grease retaining lip to retain grease. The excluder lip functions to prevent dirt and debris from entering the bearing cavity. The bearing lubricating system must include pressure relief of excess grease. The metal case press fits onto the large cone rib diameter and the air side is flush with the cone back face.

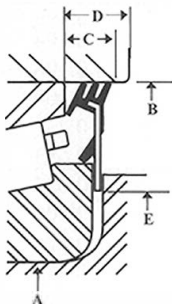
Clark Seal® Number	Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Bearing Standout -F-
	Cone	Cup				
CY1-4T320/28X	4T320/28X	4T320/28X	28mm/1.102	52mm/2.047	.110	.165



## CY2

The CY2 is designed to retain grease and is positioned against the cup back face. It has clearance from the cage movement and the cone front face. It seals against the shaft with a low lip force and minimal drag.

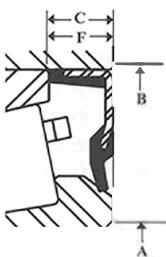
Clark Seal® Number	Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-
	Cone	Cup			
CY2-36690/36620	36690	36620	5.750	7.625	.370



## CY31

The CY31 is designed to have maximum containment exclusion and to retain the lubricating grease in the bearing cavity. The lips seal against the bearing cup face and housing bore. Maximum sealing is possible because, each sealing lip has a separate flexing point and the individual sealing lip forces are not affected by the engagement of the other lips. The seal features an elastomeric locator lip that positions and holds the seal for easy, accurate assembly.

Clark Seal® Number	Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Bearing Standout -D-	Seal ID -E-
	Cone	Cup					
CY31-39520/39585	39520	39585	2.500	4.4375	.447	.268	-



## CB

The CB is an excluder that seals against a chamfered large cone rib diameter. It has a nose gasket to improve O.D. sealing.

Clark Seal® Number	Timken® Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Seal Clearance -D-	Bearing Standout -F-
	Cone	Cup					
CB-2720	2776	2720	1.500	3.000	0.185	-	0.187
CB-K33867A	NA15117SW	K33867A	1.181	2.398	0.250	-	0.245
CB-JLM813010	JLM813049	JLM813010	2.756	4.331	0.188	-	0.217