

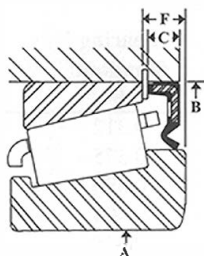
# ExcluderSeals® for Tapered Roller Bearings

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

## Narrow Width Seals

For 8000 Series seals and all other seals modified to a narrower width, seals numbers will show an "NW" designation as a suffix. The dimension that the seal is modified to will also be shown. An example of this Clark Seals numbering designation is:

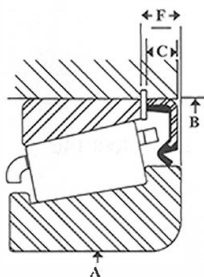
CS-8024NW.250  
CS-163110-149NW.285



### CE-8000

The 8000 series seals are narrower than the 7000 series seals. They are used in applications where a snap ring is required to positively retain the bearing cup in the housing. This series is used in crown and traveling blocks, and in mine-car wheels. Clark recommends all seals installed in damaged housings be bonded into the housing with an industrial adhesive.

Clark Seal® Number	Timken® Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Bearing Standout -F-
	Cone	Cup				
CE-8037	NA558SW	552D	2.375	4.875	-	0.312
CE-8038	NA643SW	632D	2.750	5.375	-	0.368
CE-8027	NA497SW	493D	3.375	5.375	0.250	0.375
CE-8030	NA497SW	493D	3.375	5.375	0.250	0.368
CE-8009	NA56393SW	56650D	3.937	6.500	-	0.500
CE-8010	NA48290SW	48220D	5.000	7.188	-	0.396
CE-8011	NA48685SW	48620D	5.625	7.875	-	0.404
CE-8013	NA46790SW	46720D	6.500	8.875	-	0.500
CE-8016	LM241149NW	LM241110D	8.000	10.875	-	0.4375
CE-8021	LM249747NW	LM249710D	10.000	13.875	-	0.675
CE-8023	LM251649NW	LM251610D	10.500	13.875	-	0.500
CE-8024	L357049NW	L357010CD	12.000	15.500	-	0.528



### CS-8000

The CS style is the same as the CE-8000 except that it has an exposed metal exterior and metal O.D. for a heavy press fit and easy, accurate installation.

Clark Seal® Number	Timken® Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Bearing Standout -F-
	Cone	Cup				
CS-8003	NA24776SW	24720D	1.500	3.000	0.235	0.375
CS-8005	NA 456SW	452D	2.000	4.250	-	0.404
CS-8009	NA56425SW	56650D	4.250	6.500	0.197	0.375
CS-8011	NA48685SW	4862D	5.6250	7.8750	-	0.404
CS8-HH437510	HH437549	HH437510	6.500	13.25	0.625	0.875
CS-8013	NA46790SW	46920CD	6.500	8.875	-	0.499
CS-8016	LM241149NW	LM241110D	8.000	10.875	-	0.437
CS-8021	LM249747NW	LM24970CD	10.000	13.688	-	0.625
CS-8023	LM251649NW	LM251610D	10.500	13.875	-	0.500
CS-8024	L357049NW	L357010CD	12.000	15.500	-	0.528