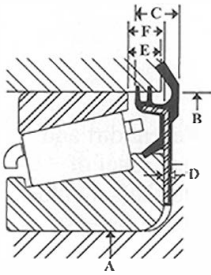


ExcluderSeals® for Tapered Roller Bearings

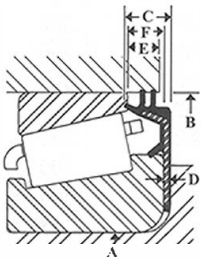
Note: Tables are arranged by cone bore size, -A-.



CW

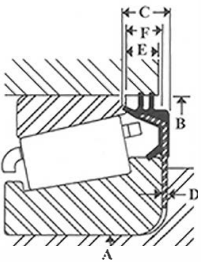
The CW is an extra heavy-duty triple lipped seal used in deep water sheave applications. The heavy-gauge steel case is rubber covered for maximum corrosion protection. This exclusive lip design gives improved sealing at greater water depths. Rubber on the inside diameter of the metal case provides a positive seal against the shaft. The Excluder Seal® also features an elastomer locator lip that positions the seal onto the bearing cone for easy, accurate assembly. This seal is also used in dam gates and on irrigation and marine equipment.

Clark Seal® Number	Timken® Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Seal Flange Width -D-	Min. Hsg. Depth -E-	Bearing Standout -F-
	Cone	Cup						
CW-25520	25590	25520	1.796	3.265	.208	-	-	.188
CW-27620	27690	27620	3.281	4.938	.248	.060	.220	.220
CW-48620	48685	48620	5.625	7.875	.435	.080	.260	.288
CW-19	NA8575SW	8520D	9.250	12.875	.655	.100	.687	.687



CW1

The CW1 is an extra heavy-duty triple lip design that gives superb bearing protection from contaminants. The three lips open during bearing re-lubrication to allow excess grease to be flushed from the bearing cavity. Two excluder lips contact the housing bore while one excluder lip seals on the cup front face. Rubber on the inside diameter of the metal case provides a positive seal against the shaft. The heavy-gauge steel case is rubber covered for maximum corrosion protection. For accurate assembly, the CW1 Excluder Seal® features an elastomeric locator lip to position the seal onto the bearing cone.



CW2

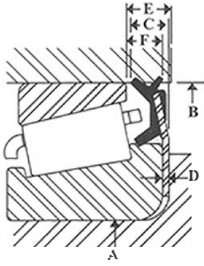
The CW2 is the same as the CW1 except that the outside seal face is partially rubber covered for heavy clamping pressure and limited space applications.

Clark Seal® Number	Timken® Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Seal Flange Width -D-	Min. Hsg. Depth -E-	Bearing Standout -F-
	Cone	Cup						
CW1-LM67010	LM67048	LM67010	1.250	2.328	.230	.060	.140	.160
CW1-74850	74550	74850	5.500	8.500	.500	.080	.500	.500
CW1-32040X*	NA93800	93127CD	8.000	12.500	.849	.110	-	.688
CW1-275155/105	EE275105	275155	10.500	15.500	1.050	.060	.900	.937

* Also fits Timken's metric bearing X32040-Y32040

Excluder Seals® for Tapered Roller Bearings

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



CY

The CY 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. A heavy-gauge steel case is securely clamped between the cone back face and shaft shoulder. This Sheave Seal® features an elastomer locator lip that positions the seal onto the bearing cone for easy, accurate assembly. The CY style is used on agricultural equipment, hoists and cam rollers.

Clark Seal® Number	Timken® Bearing Number		Cone Bore -A-	Cup O.D. -B-	Seal Width -C-	Seal Flange Width -D-	Min. Hsg. Depth -E-	Bearing Standout -F-
	Cone	Cup						
CY-32005XJ*	32005XJ*	32005XJ*	26mm/1.023	47mm/1.850	.122	-	-	.160
CY-32005X▲	32005X▲	32005X▲	26mm/1.023	47mm/1.850	.122	-	-	.138
CY-M320/28*	M320/28*	M320/28*	28mm/1.102	52mm/2.047	.169	-	-	.157
CY-L45410	L45449	L45410	1.1417	1.9800	.132	-	-	.140
CY-305115*	305115*	305115*	30mm/1.181	51mm/2.007	.158	-	-	.157
CY-32006JR	32006JR	32006JR	30mm/1.181	55mm/2.165	.158	-	-	.157
CY32907JR	32907JR	32907JR-2	35mm	55mm	.125	-	-	1mm
CY-27620	27690	27620	3.281	4.938	.220	.050	.219	.219
CY-09	NA56425SW	56650D	4.250	6.500	.437	.060	.500	.500
CY-14	NA87700SW	87112D	7.000	11.125	.500	.060	.562	.562
CY-87712DKSS	NA87700SW	87112D	7.000	11.125	.500	-	.562	-
CY-17	LM446349	LM446310D	9.250	12.250	.500	.060	.562	.562
CY-23	LM251649	LM251610D	10.500	13.875	.437	.060	.500	.500
CY-24	L357049NW	L357010D	12.000	15.500	.437	.060	.500	.500
CY30YM1-48Y1†	30YM1†	48Y1†	1.181	1.890	.128	-	-	.138

▲ KBC Korean bearings

* MCI Japanese bearings

† Chinese bearings