



Universal 1 PD Pump Seals REFERENCE CHART

Standard O-ring Selections, Descriptions and Color Codes for WCB Brand Pumps		Fluorocarbon Rubber (FKM)		Perfluoroelastomer (FFKM)	
Ethylene Propylene Diene Rubber (EPDM) Compound Color: Black or Purple Color Code: Green FDA Compliant to 21CFR177.2600		Silicone (Si) Compound Color: Orange Color Code: Black FDA Compliant to 21CFR177.2600 3A Sanitary		PTFE Encapsulated Compound Color: Translucent coating over Orange or Black Silicone or FKM core Color Code: None FDA Compliant to 21CFR177.2600	
Ethylene Propylene Diene Rubber (Sulfur Free) (EPDM) Compound Color: Black or Purple Color Code: Blue FDA Compliant to 21CFR177.2600		Nitrile (Buna-N) (NBR) Compound Color: Black Color Code: Yellow FDA Compliant to 21CFR			

O-RING AND MECHANICAL SEAL PARTS

Category	Description	Qty. per Pump	Part No. (by Model)			
			006-014-015-UI	030-034-040-UI	060-064-130-134-UI	220-224-UI
BUNA O-RINGS	O-ring, Body, Buna N	2	AD0 079 000	N70327	N70331	N70338
	O-ring, Shaft, Buna N		N70022	N70028	N70131	N70144
	O-ring, Outer, Buna N - Seal Carrier		N50228	N50335	N50338	N50344
EPDM O-RINGS	O-ring, Body, EPDM	2	AD0 079 002	E70327	E70331	E70338
	O-ring, Shaft, EPDM		E70022	E70028	E70131	E70144
	O-ring, Outer, EPDM - Seal Carrier		n/a	E50335	E50338	E50344
FKM O-RINGS	O-ring, Body, FKM	2	AD0 079 V00	V70327	V70331	V70338
	O-ring, Shaft, FKM		V70022	V70028	V70131	V70144
	O-ring, Outer, FKM - Seal Carrier		n/a	V50335	V50338	V50344
SILICONE O-RINGS	O-ring, Body, Silicone	2	AD0 079 SC0	S75327	S75331	S75338
	O-ring, Shaft, Silicone		S75022	S75028	S75131	S75144
SLEEVES, SEATS AND CARRIERS	Sleeve, SS	2	015 098 000+	030 098 000+	060 098 000+	220 098 000+
	O-ring Seal Carrier (after 7/12/04 (NEW))		015 034 001+	030 034 001+	060 034 001+	220 034 001+
	O-ring Seal Carrier (before 7/12/04 (OLD))		015 034 000+	030 034 000+	060 034 000+	220 034 000+
	Sleeve, Zirconia		015 098 004+	030 098 004+	060 098 004+	220 098 004+
	CHROME OXIDE					
	Sleeve, Chrome Oxide	2	015 098 002+	030 098 002+	060 098 002+	220 098 002+
	Seal Seat, Chrome Oxide		015 014 001+	030 014 001+	060 014 001+	220 014 001+
	Seal Inner, Chrome Oxide		015 306 002+	030 306 002+	060 306 002+	220 306 002+
	Outer Seal, Chrome Oxide		n/a	030 206 002+	060 206 002+	220 206 002+
	CERAMIC					
	Seal Seat, Ceramic	2	015 014 002+	030 014 002+	060 014 002+	220 014 002+
	Seal Inner, Ceramic		40635+	40821+	40642+	40830+
	SILICON/ SILICON CARBIDE					
	O-ring, Outer, Silicone - Seal Carrier	2	n/a	S50335	n/a	S50344
	Seal Seat, Silicon Carbide S		015 014 009+	030 014 009+	060 014 009+	220 014 009+
	Seal Inner, Silicon Carbide		015 306 009+	030 306 009+	060 306 009+	220 306 009+
	CARBON					
	Seal Inner, Carbon (2 piece)	2	015 306 001 +	030 306 001+	060 306 001+	220 306 001 +
	Seal Inner, Carbon (1 piece)		015 306 007+	030 306 007+	060 306 007+	220 306 007+
	Outer Seal, Carbon (1 piece)		015 206 007+	030 206 007+	060 206 007+	220 206 007+
OTHER	Wave Spring	2	015 304 000+	030 304 000+	060 304 000+	220 304 000+

BEARING RETAINER / SEAL PART NUMBER REFERENCE

UI MODEL NUMBER	ITEM	DESCRIPTION	FOR PUMPS MANUFACTURED:			NOTES
			BEFORE 7/30/01	APPROX. 7/30/01-7/12/04	AFTER 7/12/04 (NEWEST)	
006, 014, 015, 018, 024	14	Grease Seal, Bearing Retainer, standard gearcase	000030018+		121679+	
	14	Grease Seal, Bearing Retainer, SS gearcase	101716+			4
	32	Bearing Retainer, Front SS, for standard gearcase	015080000+		120332+	
	32	Bearing Retainer, Front SS, for SS Gearcase or Bearing Isolator	101810+			4
		Bearing Isolator Kit	X06636-1	X06638-1		
	84	O-ring Seal Carrier	015034000+		015034001+	
030, 034, 040	14	Grease Seal, Bearing Retainer	000030015+	121680+		
	32	Bearing Retainer, Front SS	030080000+	101811+	120333+	2
		Bearing Isolator Kit	X06558-1	N/A	X06639-1	2
	84	O-ring Seal Carrier	030034000+		030034001+	
060, 064, 130, 134	14	Grease Seal, Bearing Retainer	000030009+			
	32	Bearing Retainer, Front CTD	N/A, use 123531+		123531+	5
	32	Bearing Retainer, Front SS, for std. lip seal	121828+			6
	32	Bearing Retainer, Front SS, used with bearing isolators.	101812+			6
		Bearing Isolator Kit, SS	N/A, use X06614-2		X06614-2	
	84	O-ring Seal Carrier	060034000+		060034001+	
220, 224	14	Grease Seal, Bearing Retainer	N/A; use 121681+		121681+	1
	32	Bearing Retainer, Front CTD	220080000+		N/A use 121829+	
	32	Bearing Retainer, Front SS	101813+		121829+	
		Bearing Isolator Kit	N/A	X06634-2	N/A	3
	84	O-ring Seal Carrier	220034000+		220034001+	
320, 324	14	Grease Seal, Bearing Retainer	N/A; use 121681+		121681+	1
	32	Bearing Retainer, Front CTD	0H1080000		N/A, use 123533+	
	32	Bearing Retainer, Front SS	118365+		123533+	

ITEM	DESCRIPTION	MODELS				
		006-018	030-040	060-130	220	320
70	Lip Seal, PTFE w/FKM spacers	308786+	310199+	310917+	310329+	310332+
82	Sleeve o-ring, Buna N*	N70022	N70028	N70131	N70144	N70149
	Sleeve o-ring, FKM*	V70022	V70028	V70131	V70144	V70149
	Sleeve o-ring, EPDM*	E70022	E70028	E70131	E70144	E70149
83	Sleeve, Zirconia	015098004+	030098004+	060098004+	220098004+	310030+

NOTES:
CTD = Coated Steel; SS = Stainless Steel
1. Pumps manufactured up through 1993 may take STD030005 instead (used old-style shafts). Verify serial no. to confirm.
2. 101811+ is used with bearing isolators. If isolator is needed, use part # X06639 (no kit available). Check gearcase s/n.
3. Isolator kit X06634-2 contains 101813+ bearing retainer.
4. 101810+ bearing retainer is used with 101716+ grease seal.
5. 123531+ is available until stock is depleted, then will be replaced by 121828+.
6. 101812+ is used on AP and SP pumps. This part is used with bearing isolators; for std. lip seal, use part # 121828+.



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