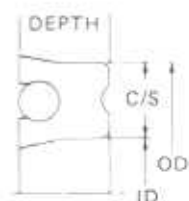


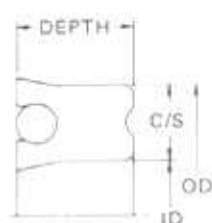
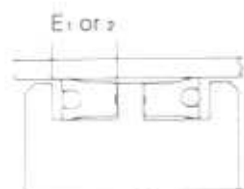
STANDARD, DEEP POLYPAK and PIP SEALS

PISTON SEAL APPLICATION U
LOW PRESSURE TO 5000 PSI

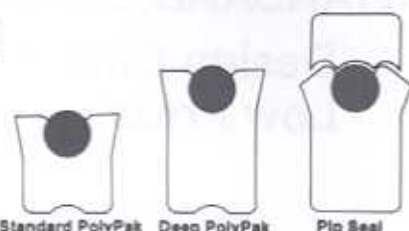
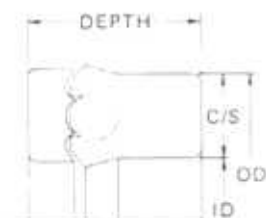
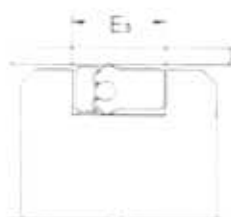
(SEE PAGE 2 FOR COMPOUND PRESSURE LIMITS)
DIMENSIONAL DATA



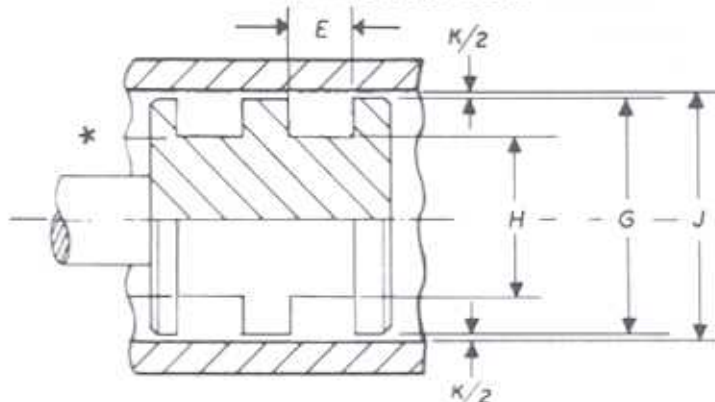
STANDARD OR DEEP POLYPAK



PIP SEAL



E₁ = DIMENSION FOR STANDARD POLYPAK
E₂ = DIMENSION FOR DEEP POLYPAK
E₃ = DIMENSION FOR PIP SEAL



① COMPLETE PART NUMBER SYSTEM:

COMPOUND STD DEEP PIP SEAL OR O-RING
XXXX XXXXXXXXX XXX P

EXAMPLE: P/N 4615 12500125 = STD POLYPAK
P/N 4615 12500125-250 = DEEP POLYPAK
P/N 4615 12500125P250 = PIP SEAL

WHEN A MODULAR BACKUP IS USED ADD
E₁ GROOVE LENGTH FOR THE MODULAR BACKUP.

"J"			"G"		"H"		"E ₁ "	"E ₂ "	"E ₃ "	"K"	NOMINAL PART SIZE				POLYPAK PART NO. ①
CYLINDER BORE DIAMETER INCHES			PISTON OUTSIDE DIAMETER INCHES		GROOVE DIAMETER (PISTON) INCHES		PACK'G SPACE LENGTH INCHES	PACK'G SPACE LENGTH INCHES	PACK'G SPACE LENGTH INCHES	DIAMETRAL CLEARANCE					
Nominal	Dimen.	Tol.	Dimen.	Tol.	Dimen.	Tol.	Tol. + .015 - .000 Dimen.	Tol. - .015 - .000 Dimen.	Tol. - .015 - .000 Dimen.	Range	Inside Diameter	Outside Diameter	Deep or Type & Depth	STD (DEPTH)	Part No.
3/8	.375	+ .002 - .000	.374	+ .000 - .001	.125	+ .000 - .002	.138	.275	.340	.001-.004	1/8	3/8	1/4	1/8	12500125-250
7/16	.437	+ .002 - .000	.436	+ .000 - .001	.187	+ .000 - .002	.138	.275	.340	.001-.004	3/16	7/16	1/4	1/8	12500187-250
1/2	.500	+ .002 - .000	.499	+ .000 - .001	.250	+ .000 - .002	.138	.275	.340	.001-.004	1/4	1/2	1/4	1/8	12500250-250
9/16	.562	+ .002 - .000	.561	+ .000 - .001	.312	+ .000 - .002	.138	.275	.340	.001-.004	5/16	9/16	1/4	1/8	12500312-250
9/16	.562	+ .002 - .000	.561	+ .000 - .002	.187	+ .000 - .002	.207	.344	.453	.001-.005	3/16	9/16	5/16	3/16	18700187-312
5/8	.625	+ .002 - .000	.624	+ .000 - .001	.375	+ .000 - .002	.138	.275	.340	.001-.004	3/8	5/8	1/4	1/8	12500375-250
5/8	.625	+ .002 - .000	.624	+ .000 - .002	.250	+ .000 - .002	.207	.344	.453	.001-.005	1/4	5/8	5/16	3/16	18700250-312
11/16	.687	+ .002 - .000	.686	+ .000 - .001	.437	+ .000 - .002	.138	.275	.340	.001-.004	7/16	11/16	1/4	1/8	12500437-250
11/16	.687	+ .002 - .000	.686	+ .000 - .002	.312	+ .000 - .002	.207	.344	.453	.001-.005	5/16	11/16	5/16	3/16	18700312-312
3/4	.750	+ .002 - .000	.749	+ .000 - .001	.500	+ .000 - .002	.138	.275	.340	.001-.004	1/2	3/4	1/4	1/8	12500500-250
3/4	.750	+ .002 - .000	.749	+ .000 - .002	.375	+ .000 - .002	.207	.344	.453	.001-.005	3/8	3/4	5/16	3/16	18700375-312
3/4	.750	+ .002 - .000	.749	+ .000 - .002	.250	+ .000 - .002	.275	.413	.550	.001-.006	1/4	3/4	3/8	1/4	25000250-375

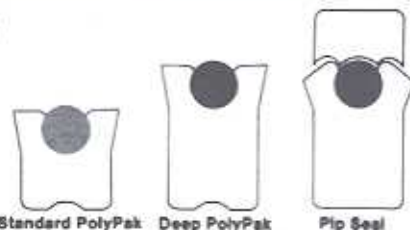
NOTE: NOT ALL POLYPAK SIZES LISTED ARE TOOLED.

Consult 3701 Price List or contact Parker Customer Service at (801) 972-3000 for currently tooled size and compound availability.

STANDARD, DEEP POLYPAK and PIP SEALS

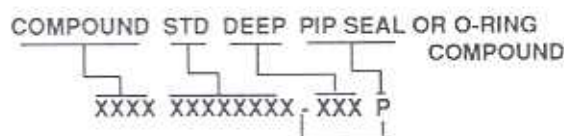
PISTON SEAL APPLICATION
LOW PRESSURE TO 5000 PSI

(SEE PAGE 2 FOR COMPOUND PRESSURE LIMITS)
DIMENSIONAL DATA



E₁ = DIMENSION FOR STANDARD POLYPAK
E₂ = DIMENSION FOR DEEP POLYPAK
E₃ = DIMENSION FOR PIP SEAL

① COMPLETE PART NUMBER SYSTEM:



EXAMPLE: P/N 4615 12500125 = STD POLYPAK
P/N 4615 12500125-250 = DEEP POLYPAK
P/N 4615 12500125P250 = PIP SEAL

SEE PAGE 16 FOR DRAWING OF GROOVE*

WHEN A MODULAR BACKUP IS USED ADD
E₁ GROOVE LENGTH FOR THE MODULAR BACKUP

"J"			"G"		"H"		"E ₁ "	"E ₂ "	"E ₃ "	"K"	NOMINAL PART SIZE				Cross-Section	POLYPAK PART NO. ①
CYLINDER BORE DIAMETER INCHES			PISTON OUTSIDE DIAMETER INCHES		GROOVE DIAMETER (PISTON) INCHES		PACK'G SPACE LENGTH INCHES	PACK'G SPACE LENGTH INCHES	PACK'G SPACE LENGTH INCHES	DIAMETRAL CLEARANCE						
Nominal	Dimen.	Tol.	Dimen.	Tol.	Dimen.	Tol.	Tol. + .015 - .000	Tol. - .015 - .000	Tol. - .015 - .000	Range	Inside Diameter	Outside Diameter	Deep or Type B Depth	STD (DEPTH)		Part No.
3-5/8	3.625	+ .002 - .000	3.624	+ .000 - .002	3.250	+ .000 - .002	.207	.413	.522	.001-.003	3-1/4	3-5/8	3/8	3/16		18703250-375
3-5/8	3.625	+ .003 - .000	3.624	+ .000 - .002	3.125	+ .000 - .003	.275	.413	.550	.001-.006	3-1/8	3-5/8	3/8	1/4		25003125-375
3-5/8	3.625	+ .003 - .000	3.623	+ .000 - .002	3.000	+ .000 - .004	.344	.550	.715	.002-.007	3-	3-5/8	1/2	5/16		31203000-500
3-5/8	3.625	+ .004 - .000	3.623	+ .000 - .002	2.875	+ .000 - .005	.413	.688	.895	.002-.010	2-7/8	3-5/8	5/8	3/8		37502875-625
3-3/4	3.750	+ .002 - .000	3.749	+ .000 - .002	3.375	+ .000 - .002	.207	.413	.522	.001-.003	3-3/8	3-3/4	3/8	3/16		18703375-375
3-3/4	3.750	+ .003 - .000	3.749	+ .000 - .002	3.250	+ .000 - .003	.275	.413	.550	.001-.006	3-1/4	3-3/4	3/8	1/4		25003250-375
3-3/4	3.750	+ .003 - .000	3.748	+ .000 - .002	3.125	+ .000 - .004	.344	.550	.715	.002-.007	3-1/8	3-3/4	1/2	5/16		31203125-500
3-3/4	3.750	+ .004 - .000	3.748	+ .000 - .002	3.000	+ .000 - .003	.413	.688	.895	.002-.008	3-	3-3/4	5/8	3/8		37503000-625
3-3/4	3.750	+ .005 - .000	3.748	+ .000 - .003	2.750	+ .000 - .007	.550	.825	1.100	.002-.010	2-3/4	3-3/4	3/4	1/2		50002750-750
3-3/4	3.750	+ .006 - .000	3.747	+ .000 - .003	2.500	+ .000 - .009	.688	1.100	1.443	.003-.012	2-1/2	3-3/4	1-	5/8		62502500-1000
3-7/8	3.875	+ .002 - .000	3.874	+ .000 - .002	3.500	+ .000 - .002	.207	.413	.522	.001-.003	3-1/2	3-7/8	3/8	3/16		18703500-375
3-7/8	3.875	+ .003 - .000	3.874	+ .000 - .002	3.375	+ .000 - .003	.275	.413	.550	.001-.006	3-3/8	3-7/8	3/8	1/4		25003375-375
3-7/8	3.875	+ .003 - .000	3.873	+ .000 - .002	3.250	+ .000 - .004	.344	.550	.715	.002-.007	3-1/4	3-7/8	1/2	5/16		31203250-500
3-7/8	3.875	+ .004 - .000	3.873	+ .000 - .002	3.125	+ .000 - .005	.413	.688	.895	.002-.008	3-1/8	3-7/8	5/8	3/8		37503125-625
4-	4.000	+ .002 - .000	3.999	+ .000 - .002	3.625	+ .000 - .002	.207	.413	.522	.001-.003	3-5/8	4-	3/8	3/16		18703625-375
4-	4.000	+ .003 - .000	3.999	+ .000 - .002	3.500	+ .000 - .003	.275	.413	.550	.001-.006	3-1/2	4-	3/8	1/4		25003500-375
4-	4.000	+ .003 - .000	3.998	+ .000 - .002	3.375	+ .000 - .004	.344	.550	.715	.002-.007	3-3/8	4-	1/2	5/16		31203375-500
4-	4.000	+ .004 - .000	3.998	+ .000 - .002	3.250	+ .000 - .005	.413	.688	.895	.002-.008	3-1/4	4-	5/8	3/8		37503250-625
4-	4.000	+ .005 - .000	3.998	+ .000 - .003	3.000	+ .000 - .007	.550	.825	1.100	.002-.010	3-	4-	3/4	1/2		50003000-750
4-	4.000	+ .006 - .000	3.997	+ .000 - .003	2.750	+ .000 - .009	.688	1.100	1.443	.003-.012	2-3/4	4-	1-	5/8		62502750-1000
4-1/8	4.125	+ .002 - .000	4.124	+ .000 - .002	3.750	+ .000 - .002	.207	.413	.522	.001-.003	3-3/4	4-1/8	3/8	3/16		18703750-375
4-1/8	4.125	+ .003 - .000	4.124	+ .000 - .002	3.625	+ .000 - .003	.275	.413	.550	.001-.006	3-5/8	4-1/8	3/8	1/4		25003625-375
4-1/8	4.125	+ .003 - .000	4.123	+ .000 - .002	3.500	+ .000 - .004	.344	.550	.715	.002-.007	3-1/2	4-1/8	1/2	5/16		31203500-500
4-1/8	4.125	+ .004 - .000	4.123	+ .000 - .002	3.375	+ .000 - .005	.413	.688	.895	.002-.008	3-3/8	4-1/8	5/8	3/8		37503375-625

NOTE: NOT ALL POLYPAK SIZES LISTED ARE TOOLED.

Consult 3701 Price List or contact Parker Customer Service at (801) 972-3000 for currently tooled size and compound availability.

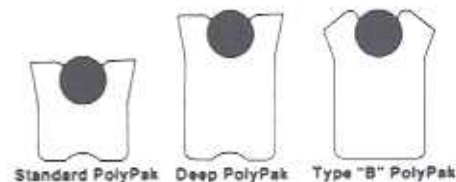
STANDARD, DEEP and TYPE B POLYPAK SEALS

ROD SEAL APPLICATION

LOW PRESSURE TO 5000 PSI

(SEE PAGE 2 FOR COMPOUND PRESSURE LIMITS)

DIMENSIONAL DATA



SEE PAGE 41 FOR DRAWING OF GROOVE*

WHEN A MODULAR BACKUP IS USED ADD

E₁ GROOVE LENGTH FOR THE MODULAR BACKUP

E₁ = DIMENSION FOR STANDARD POLYPAK

E₂ = DIMENSION FOR DEEP & TYPE B POLYPAK

"N"		"P"		"D"		"E ₁ "	"E ₂ "	"K"	NOMINAL PART SIZE				Cross-Section	POLYPAK PART NO. ①
ROD DIAMETER INCHES		THROAT DIAMETER INCHES		GROOVE DIAMETER (THROAT) INCHES		PACK'G SPACE LENGTH INCHES	PACK'G SPACE LENGTH INCHES	DIAMETRAL CLEARANCE						
Nominal	Dimen.	Tol.	Dimen.	Tol.	Dimen.	Tol.	Tol. +.015 -.000 Dimen.	Tol. +.015 -.000 Dimen.	Range	Inside Diameter	Outside Diameter	Deep or Type B Depth	STD (DEPTH)	Part No.
1/2	.500	+ .000 -.001	.501	+ .002 -.000	.750	+ .002 -.000	.138	.275	.001-.004	1/2	3/4	1/4	1/8	12500500-250
1/2	.500	+ .000 -.002	.501	+ .002 -.000	.875	+ .002 -.000	.207	.344	.001-.005	1/2	7/8	5/16	3/16	18700500-312
1/2	.500	+ .000 -.002	.501	+ .003 -.000	1.000	+ .003 -.000	.275	.413	.001-.006	1/2	1-	3/8	1/4	25000500-375
1/2	.500	+ .000 -.002	.502	+ .003 -.000	1.125	+ .004 -.000	.344	.550	.002-.007	1/2	1-1/8	1/2	5/16	31200500-500
1/2	.500	+ .000 -.002	.502	+ .004 -.000	1.250	+ .005 -.000	.413	.688	.002-.008	1/2	1-1/4	5/8	3/8	37500500-625
9/16	.562	+ .000 -.001	.563	+ .002 -.000	.812	+ .002 -.000	.138	.275	.001-.004	9/16	13/16	1/4	1/8	12500562-250
9/16	.562	+ .000 -.002	.563	+ .002 -.000	.937	+ .002 -.000	.207	.344	.001-.005	9/16	15/16	5/16	3/16	18700562-312
9/16	.562	+ .000 -.002	.563	+ .003 -.000	1.062	+ .003 -.000	.275	.413	.001-.006	9/16	1-1/16	3/8	1/4	25000562-375
9/16	.562	+ .000 -.002	.564	+ .003 -.000	1.187	+ .004 -.000	.344	.550	.002-.007	9/16	1-3/16	1/2	5/16	31200562-500
9/16	.562	+ .000 -.002	.564	+ .004 -.000	1.312	+ .005 -.000	.413	.688	.002-.008	9/16	1-5/16	5/8	3/8	37500562-625
5/8	.625	+ .000 -.001	.626	+ .002 -.000	.875	+ .002 -.000	.138	.275	.001-.004	5/8	7/8	1/4	1/8	12500625-250
5/8	.625	+ .000 -.002	.626	+ .002 -.000	1.000	+ .002 -.000	.207	.344	.001-.005	5/8	1-	5/16	3/16	18700625-312
5/8	.625	+ .000 -.002	.626	+ .003 -.000	1.125	+ .003 -.000	.275	.413	.001-.006	5/8	1-1/8	3/8	1/4	25000625-375
5/8	.625	+ .000 -.002	.627	+ .003 -.000	1.250	+ .004 -.000	.344	.550	.002-.007	5/8	1-1/4	1/2	5/16	31200625-500
5/8	.625	+ .000 -.002	.627	+ .004 -.000	1.375	+ .005 -.000	.413	.688	.002-.008	5/8	1-3/8	5/8	3/8	37500625-625
11/16	.687	+ .000 -.001	.688	+ .002 -.000	.937	+ .002 -.000	.138	.275	.001-.004	11/16	15/16	1/4	1/8	12500687-250
11/16	.687	+ .000 -.002	.688	+ .002 -.000	1.062	+ .002 -.000	.207	.344	.001-.005	11/16	1-1/16	5/16	3/16	18700687-312
11/16	.687	+ .000 -.002	.688	+ .003 -.000	1.187	+ .003 -.000	.275	.413	.001-.006	11/16	1-3/16	3/8	1/4	25000687-375
11/16	.687	+ .000 -.002	.689	+ .003 -.000	1.312	+ .004 -.000	.344	.550	.002-.007	11/16	1-5/16	1/2	5/16	31200687-500
11/16	.687	+ .000 -.002	.689	+ .004 -.000	1.437	+ .005 -.000	.413	.688	.002-.008	11/16	1-7/16	5/8	3/8	37500687-625
3/4	.750	+ .000 -.001	.751	+ .002 -.000	1.000	+ .002 -.000	.138	.275	.001-.004	3/4	1-	1/4	1/8	12500750-250
3/4	.750	+ .000 -.002	.751	+ .002 -.000	1.125	+ .002 -.000	.207	.344	.001-.005	3/4	1-1/8	5/16	3/16	18700750-312
3/4	.750	+ .000 -.002	.751	+ .003 -.000	1.250	+ .003 -.000	.275	.413	.001-.006	3/4	1-1/4	3/8	1/4	25000750-375
3/4	.750	+ .000 -.002	.752	+ .003 -.000	1.375	+ .004 -.000	.344	.550	.002-.007	3/4	1-3/8	1/2	5/16	31200750-500
3/4	.750	+ .000 -.002	.752	+ .004 -.000	1.500	+ .005 -.000	.413	.688	.002-.008	3/4	1-1/2	5/8	3/8	37500750-625

NOTE: NOT ALL POLYPAK SIZES LISTED ARE TOOLED.

Consult 3701 Price List or contact Parker Customer Service at (801) 972-3000 for currently tooled size and compound availability.