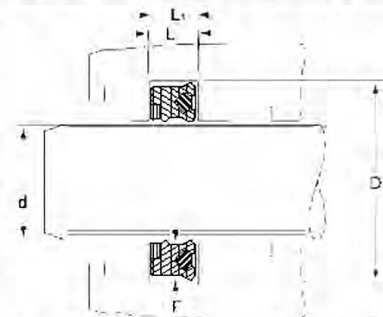


BD Loaded Lip Seals with I. D. Backup Ring - Inch



ALTERNATIVE SEALS:
Reel: BS-B, BLS with BU



Here is the state of the art in heavy duty sealing. Manufactured from high quality urethane, this seal is similar to the BS profile seal. The rod seal has an integral backup ring for added extrusion resistance and loaded lip for optimal low pressure sealing. A film of oil is trapped between the two lips for low running friction.

Temperature: -50°F to 230°F

Pressure: 0 to 10,000 PSI

EXAMPLE: BD-31202500-500				
Prefix	Cross Section	Inside Diameter	Height	
BD-	312	02500	-	500
	5/16	2-1/2"		1/2

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L ₁	Groove Height L
1/8" CROSS SECTION ("F")				
BD-12501250-250	1.250	1.500	0.250	0.275
3/16" CROSS SECTION ("F")				
BD-18701250-250	1.250	1.625	0.250	0.275
BD-18701250-312	1.250	1.625	0.312	0.343
BD-18701500-250	1.500	1.875	0.250	0.275
BD-18701500-312	1.500	1.875	0.312	0.343
BD-18701500-375	1.500	1.875	0.375	0.413
BD-18701750-250	1.750	2.125	0.250	0.275
BD-18701750-375	1.750	2.125	0.375	0.413
BD-18702000-375	2.000	2.375	0.375	0.413
BD-18702500-375	2.500	2.875	0.375	0.413
BD-18703750-375	3.750	4.125	0.375	0.413
1/4" CROSS SECTION ("F")				
BD-25001375-375	1.375	1.875	0.375	0.413
BD-25001500-375	1.500	2.000	0.375	0.413
BD-25001750-375	1.750	2.250	0.375	0.413
BD-25002000-375	2.000	2.500	0.375	0.413
BD-25002125-375	2.125	2.625	0.375	0.413
BD-25002250-375	2.250	2.750	0.375	0.413
BD-25002375-375	2.375	2.875	0.375	0.413
BD-25002500-375	2.500	3.000	0.375	0.413
BD-25002750-375	2.750	3.250	0.375	0.413
BD-25003000-375	3.000	3.500	0.375	0.413
BD-25003250-375	3.250	3.750	0.375	0.413
BD-25003500-375	3.500	4.000	0.375	0.413
BD-25003750-375	3.750	4.250	0.375	0.413
BD-25004000-375	4.000	4.500	0.375	0.413
BD-25004000-562	4.000	4.500	0.562	0.618
BD-25004250-535	4.250	4.750	0.535	0.589
BD-25004500-375	4.500	5.000	0.375	0.413
BD-25004500-562	4.500	5.000	0.562	0.618
BD-25005000-562	5.000	5.500	0.562	0.618
BD-25005500-562	5.500	6.000	0.562	0.618
BD-25006000-562	6.000	6.500	0.562	0.618
BD-25006750-562	6.750	7.250	0.562	0.618
BD-25007000-500	7.000	7.500	0.500	0.550
BD-25008000-562	8.000	8.500	0.562	0.618
BD-25010000-562	10.000	10.500	0.562	0.618

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L ₁	Groove Height L
5/16" CROSS SECTION ("F")				
BD-31202500-500	2.500	3.125	0.500	0.550
BD-31203000-500	3.000	3.625	0.500	0.550
BD-31203500-500	3.500	4.125	0.500	0.550
BD-31204000-500	4.000	4.625	0.500	0.550
BD-31204000-562	4.000	4.625	0.562	0.618
BD-31204500-375	4.500	5.125	0.375	0.413
BD-31204500-625	4.500	5.125	0.625	0.688
BD-31205000-625	5.000	5.625	0.625	0.688
BD-31205500-375	5.500	6.125	0.375	0.413
3/8" CROSS SECTION ("F")				
BD-37503000-625	3.000	3.750	0.625	0.688
BD-37503250-625	3.250	4.000	0.625	0.688
BD-37503500-625	3.500	4.250	0.625	0.688
BD-37503750-500	3.750	4.500	0.500	0.550
BD-37504000-625	4.000	4.750	0.625	0.688
BD-37504250-625	4.250	5.000	0.625	0.688
BD-37504500-625	4.500	5.250	0.625	0.688
BD-37504750-375	4.750	5.500	0.375	0.413
BD-37504750-625	4.750	5.500	0.625	0.688
BD-37505000-625	5.000	5.750	0.625	0.688
BD-37505250-625	5.250	6.000	0.625	0.688
BD-37505750-625	5.750	6.500	0.625	0.688
BD-37506000-625	6.000	6.750	0.625	0.688
BD-37506250-625	6.250	7.000	0.625	0.688
BD-37506500-500	6.500	7.250	0.500	0.550
BD-37507000-562	7.000	7.750	0.562	0.618
BD-37507000-625	7.000	7.750	0.625	0.688
BD-37508000-625	8.000	8.750	0.625	0.688
BD-37508500-625	8.500	9.250	0.625	0.688
BD-37509000-625	9.000	9.750	0.625	0.688
BD-37512000-625	12.000	12.750	0.625	0.688
1/2" CROSS SECTION ("F")				
BD-50009000-750	9.000	10.000	0.750	0.825
BD-50010000-750	10.000	11.000	0.750	0.825
BD-50014000-750	14.000	15.000	0.750	0.825
BD-50015000-750	15.000	16.000	0.750	0.825

BD Loaded Lip Seals with I. D. Backup Ring - Metric

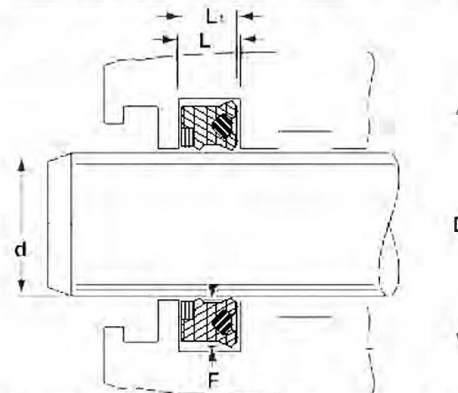


ALTERNATIVE SEALS:
Rod: BS-B, MA30-B

EXAMPLE: BD-85X100X13

Prefix	Inside Diameter		Outside Diameter		Height
BD-	85	x	100	x	13
	85mm		100mm		13mm

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L ₁	Groove Height L
BD-25X35X7.3	25	35	7.3	8.3
BD-30X40X7.3	30	40	7.3	8.3
BD-30X40X10	30	40	10	11
BD-35X50X9.5	35	50	9.5	10.5
BD-36X46X7.3	36	46	7.3	8.3
BD-40X50X7.3	40	50	7.3	8.3
BD-40X50X10	40	50	10	11
BD-40X52X8.6	40	52	8.6	9.6
BD-40X55X9.5	40	55	9.5	10.5
BD-40X55X11.4	40	55	11.4	12.4
BD-45X55X7.3	45	55	7.3	8.3
BD-45X60X11.4	45	60	11.4	12.4
BD-50X60X7.3	50	60	7.3	8.3
BD-50X65X10	50	65	10	11
BD-50X65X11.4	50	65	11.4	12.4
BD-55X68X13	55	68	13	14
BD-55X70X11.4	55	70	11.4	12.4
BD-56X71X11.4	56	71	11.4	12.4
BD-60X72X8.6	60	72	8.6	9.6
BD-60X73X13	60	73	13	14
BD-60X75X11.4	60	75	11.4	12.4
BD-63X75X8.7	63	75	8.7	9.7
BD-63X78X11.4	63	78	11.4	12.4
BD-63X83X11.8	63	83	11.8	12.8
BD-65X75X10	65	75	10	11
BD-65X78X10	65	78	10	11
BD-65X80X9	65	80	9	10
BD-65X80X10	65	80	10	11
BD-65X80X11.4	65	80	11.4	12.4
BD-70X80X12	70	80	12	13
BD-70X82X8.6	70	82	8.6	9.6
BD-70X83X10	70	83	10	11
BD-70X85X9	70	85	9	10
BD-70X85X10	70	85	10	11
BD-70X85X11.4	70	85	11.4	12.4
BD-75X88X10	75	88	10	11
BD-75X88X13	75	88	13	14
BD-75X90X9	75	90	9	10
BD-75X90X11.4	75	90	11.4	12.4
BD-75X90X13	75	90	13	14
BD-80X93X10	80	93	10	11
BD-80X95X9	80	95	9	10
BD-80X95X11.4	80	95	11.4	12.4
BD-80X95X13	80	95	13	14
BD-85X97X8.6	85	97	8.6	9.6
BD-85X100X10	85	100	10	11



Here is the state of the art in heavy duty sealing. Manufactured from high quality urethane, this seal is similar to the BS profile seal. The seal has an integral backup ring for added extrusion resistance and loaded lip for optimal low pressure sealing. A film of oil is trapped between the two lips for low running friction.

Temperature: -50°F to 230°F

Pressure: 0 to 10,000 PSI

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L ₁	Groove Height L
BD-85X100X11.4	85	100	11.4	12.4
BD-85X100X13	85	100	13	14
BD-85X105X15	85	105	15	16
BD-90X100X12	90	100	12	13
BD-90X105X10	90	105	10	11
BD-90X105X11.4	90	105	11.4	12.4
BD-90X105X13	90	105	13	14
BD-90X105X15	90	105	15	16
BD-90X110X14.5	90	110	14.5	15.5
BD-90X110X17	90	110	17	18
BD-95X110X10	95	110	10	11
BD-95X110X13	95	110	13	14
BD-95X115X15	95	115	15	16
BD-100X115X10	100	115	10	11
BD-100X115X12	100	115	12	13
BD-100X115X13	100	115	13	14
BD-100X115X15	100	115	15	16
BD-100X120X14	100	120	14	15
BD-100X120X14.5	100	120	14.5	15.5
BD-105X120X12	105	120	12	13
BD-105X120X14.5	105	120	14.5	15.5
BD-105X125X14.5	105	125	14.5	15.5
BD-110X125X12	110	125	12	13
BD-110X130X12	110	130	12	13
BD-110X130X13	110	130	13	14
BD-110X130X14.5	110	130	14.5	15.5
BD-115X130X15	115	130	15	16
BD-115X135X14.5	115	135	14.5	15.5
BD-120X135X14.5	120	135	14.5	15.5
BD-120X140X12	120	140	12	13
BD-120X140X13	120	140	13	14
BD-120X140X14.5	120	140	14.5	15.5
BD-125X145X14.5	125	145	14.5	15.5
BD-130X145X9	130	145	9	10
BD-130X150X14.5	130	150	14.5	15.5
BD-135X155X13.6	135	155	13.6	14.6
BD-140X160X13	140	160	13	14
BD-140X160X14.5	140	160	14.5	15.5
BD-145X165X15	145	165	15	16
BD-150X160X14.5	150	160	14.5	15.5
BD-150X165X14.5	150	165	14.5	15.5
BD-150X170X14.5	150	170	14.5	15.5

BD Loaded Lip Seals with I. D. Backup Ring - Metric, cont'd.

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L	Groove Height L
BD-160X175X14.5	160	175	14.5	15.5
BD-160X180X14.5	160	180	14.5	15.5
BD-170X185X14.5	170	185	14.5	15.5
BD-170X190X14.5	170	190	14.5	15.5
BD-180X195X14.5	180	195	14.5	15.5
BD-180X200X14.5	180	200	14.5	15.5
BD-180X205X18.2	180	205	18.2	19.2
BD-185X205X18.5	185	205	18.5	19.5
BD-190X205X14.5	190	205	14.5	15.5
BD-190X215X18.2	190	215	18.2	19.2
BD-200X220X14.5	200	220	14.5	15.5
BD-200X230X22.7	200	230	22.7	25
BD-210X230X14.5	210	230	14.5	15.5

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L	Groove Height L
BD-210X235X18.5	210	235	18.5	19.5
BD-215X235X14.5	215	235	14.5	15.5
BD-220X245X19	220	245	19	20
BD-220X250X22.7	220	250	22.7	25
BD-230X250X15	230	250	15	16
BD-240X260X14.5	240	260	14.5	15.5
BD-240X260X15	240	260	15	16
BD-280X300X14.5	280	300	14.5	15.5
BD-290X315X19	290	315	19	20
BD-295X315X16.4	295	315	16.4	17.4
BD-300X320X14.5	300	320	14.5	15.5
BD-340X365X19	340	365	19	20