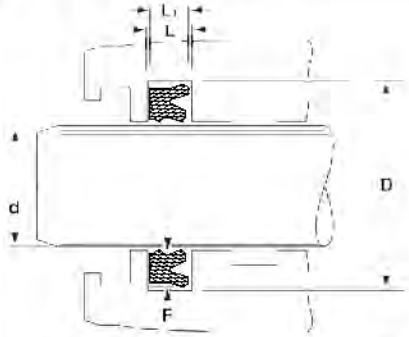
Allegheny York

BS Urethane Rod U-Cups - Metric



ALTERNATIVE SEALS:
Rod: DZ, MA30B, UNRR, BD, BS-B, MA30, MA25, MA35

EXAMPLE: BS-85X100X12					
Prefix	Inside Diameter		Outside Diameter		Height
BS-	85	x	100	x	12
	85mm		100mm		12mm

The BS series hydraulic rod seal is ideally suited for heavy-duty mobile and stationary service where leakage must be held to an absolute minimum. This unique geometry is highly resistant to side loading and insensitive to pressure spikes. The BS profile reduces or eliminates leakage under severe operating conditions. It also reduces wear and "dry run". Rod lubricant is retained in the cavity formed by the secondary lip providing exceptionally low running friction even at low velocities. Sealing performance is outstanding even at 0 PSI.

Temperature: -50°F to 230°F Pressure: 0 to 6,000 PSI

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-6X16X7	6	16	7	8.0
BS-10X15X3.6	10	15	3.6	4.6
BS-12X18X4	12	18	4	5.0
BS-12X18X5.7	12	18	5.7	6.7
BS-12X19X4.5	12	19	4.5	5.5
BS-12X20X5.7	12	20	5.7	6.7
BS-12X22X7	12	22	7	8.0
BS-12X22X7.7	12	22	7.7	8.7
BS-12.7X18X5.5	12.7	18	5.5	6.5
BS-13X20X4.5	13	20	4.5	5.5
BS-14X21X5.1	14	21	5.1	6.1
BS-14X22X5.7	14	22	5.7	6.7
BS-14X24X7.3	14	24	7.3	8.3
BS-15.37X25.48X6.35	15.37	25.48	6.35	7.35
BS-16X22X4.5	16	22	4.5	5.5
BS-16X22X5	16	22	5	6.0
BS-16X24X5.7	16	24	5.7	6.7
BS-16X26X7.3	16	26	7.3	8.3
BS-16X26X7.7	16	26	7.7	8.7
BS-16X26X8	16	26	8	9.0
BS-18X24X4.9	18	24	4.9	5.9
BS-18X25X4.5	18	25	4.5	5.5
BS-18X25X5	18	25	5	6.0
BS-18X25.5X2.8	18	25.5	2.8	3.8
BS-18X26X5	18	26	5	6.0
BS-18X26X5.7	18	26	5.7	6.7
BS-18X26X6	18	26	6	7.0
BS-18X28X7.7	18	28	7.7	8.7
BS-20X25X3.2	20	25	3.2	4.2
BS-20X26X5	20	26	5	6.0
BS-20X28X5	20	28	5	6.0

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-20X28X5.7	20	28	5.7	6.7
BS-20X30X6	20	30	6	7.0
BS-20X30X7.7	20	30	7.7	8.7
BS-20X30X8	20	30	8	9.0
BS-20X30X10	20	30	10	11.0
BS-20X31X3.9	20	31	3.9	4.9
BS-22X30X5.7	22	30	5.7	6.7
BS-22X30X6	22	30	6	7.0
BS-22X30X7	22	30	7	8.0
BS-22X30X7.3	22	30	7.3	8.3
BS-22X32X7	22	32	7	8.0
BS-22X32X7.3	22	32	7.3	8.3
BS-22X32X8	22	32	8	9.0
BS-22X32X10	22	32	10	11.0
BS-22X33X3.8	22	33	3.8	4.8
BS-22.4X30X5	22.4	30	5	6.0
BS-25X33X5	25	33	5	6.0
BS-25X33X5.5	25	33	5.5	6.5
BS-25X33X5.7	25	33	5.7	6.7
BS-25X33X6	25	33	6	7.0
BS-25X33X6.5	25	33	6.5	7.5
BS-25X33X6.8	25	33	6.8	7.8
BS-25X33X10	25	33	10	11.0
BS-25X35X7.3	25	35	7.3	8.3
BS-25X35X7.7	25	35	7.7	8.7
BS-25X35X8	25	35	8	9.0
BS-25X35X10	25	35	10	11.0
BS-25X36X3.9	25	36	3.9	4.9
BS-25X37X10	25	37	10	11.0
BS-25X40X10	25	40	10	11.0
BS-25.4X32.9X2.8	25.4	32.9	2.8	3.8

BS Urethane Rod U-Cups - Metric, cont'd.

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-26X36X7	26	36	7	8.0
BS-28X35.5X5	28	35.5	5	6.0
BS-28X36X5.7	28	36	5.7	6.7
BS-28X38X7	28	38	7	8.0
BS-28X38X8	28	38	8	9.0
BS-28X39X3.9	28	39	3.9	4.9
BS-28X43X11.4	28	43	11.4	12.4
BS-30X38X5.7	30	38	5.7	6.7
BS-30X38X6.3	30	38	6.3	7.3
BS-30X40X6	30	40	6	7.0
BS-30X40X7	30	40	7	8.0
BS-30X40X8	30	40	8	9.0
BS-30X40X10	30	40	10	11.0
BS-30X41X3.8	30	41	3.8	4.8
BS-30X42X10.9	30	42	10.9	11.9
BS-30X45X10	30	45	10	11.0
BS-30X50X10	30	50	10	11.0
BS-32X39.5X2.8	32	39.5	2.8	3.2
BS-32X40X6	32	40	6	7.0
BS-32X40X6.7	32	40	6.7	7.7
BS-32X40X7.7	32	40	7.7	8.7
BS-32X40X8	32	40	8	9.0
BS-32X41.53X7.9	32	41.53	7.9	8.9
BS-32X42X5.7	32	42	5.7	6.7
BS-32X42X7.3	32	42	7.3	8.3
BS-32X42X10	32	42	10	11.0
BS-32X43X3.9	32	43	3.9	4.9
BS-32X45X10	32	45	10	11.0
BS-32X47X9.1	32	47	9.1	10.1
BS-32X47X10	32	47	10	11.0
BS-32X48X10	32	48	10	11.0
BS-35X43X5.7	35	43	5.7	6.7
BS-35X43X6.3	35	43	6.3	7.3
BS-35X43X7	35	43	7	8.0
BS-35X43X8.2	35	43	8.2	9.2
BS-35X45X6	35	45	6	7.0
BS-35X45X8	35	45	8	9.0
BS-35X45X10	35	45	10	11.0
BS-35X50X9	35	50	9	10.0
BS-35X50X10	35	50	10	11.0
BS-36X44X6	36	44	6	7.0
BS-36X44X8.2	36	44	8.2	9.2
BS-36X46X6	36	46	6	7.0
BS-36X46X7.3	36	46	7.3	8.3
BS-36X46X10	36	46	10	11.0
BS-36X47X3.9	36	47	3.9	4.9
BS-36X51X10	36	51	10	11.0
BS-36X52X10	36	52	10	11.0
BS-36X56X12	36	56	12	13.0
BS-37X47X8	37	47	8	9.0
BS-38X48X9	38	48	9	10.0
BS-38X48X10	38	48	10	11.0
BS-38X50X10	38	50	10	11.0
BS-38X53X10	38	53	10	11.0
BS-40X48X5.7	40	48	5.7	6.7

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-40X48X8.2	40	48	8.2	9.2
BS-40X49.52X9.5	40	49.52	9.5	10.5
BS-40X50X6	40	50	6	7.0
BS-40X50X7	40	50	7	8.0
BS-40X50X7.3	40	50	7.3	8.3
BS-40X50X10	40	50	10	11.0
BS-40X52X10.9	40	52	10.9	11.9
BS-40X55X7.3	40	55	7.3	8.3
BS-40X55X9	40	55	9	10.0
BS-40X55X10	40	55	10	11.0
BS-40X55X11.5	40	55	11.5	12.5
BS-40X55.5X6	40	55.5	6	7.0
BS-40X60X11.5	40	60	11.5	12.5
BS-42X50X7.5	42	50	7.5	8.5
BS-42X52X10	42	52	10	11.0
BS-45X53X5.6	45	53	5.6	6.6
BS-45X53X8.1	45	53	8.1	9.1
BS-45X53X11.5	45	53	11.5	12.5
BS-45X53X11.8	45	53	11.8	12.8
BS-45X55X5.6	45	55	5.6	6.6
BS-45X55X7	45	55	7	8.0
BS-45X55X7.3	45	55	7.3	8.3
BS-45X55X10	45	55	10	11.0
BS-45X56X3.9	45	56	3.9	4.9
BS-45X57.7X9.5	45	57.7	9.5	10.5
BS-45X60X10	45	60	10	11.0
BS-45X60X11.5	45	60	11.5	12.5
BS-45X60.5X6	45	60.5	6	7.0
BS-45X65X10	45	65	10	11.0
BS-48X60X10	48	60	10	11.0
BS-50X57X9	50	57	9	10.0
BS-50X60X6	50	60	6	7.0
BS-50X60X7.3	50	60	7.3	8.3
BS-50X60X10	50	60	10	11.0
BS-50X60X11.8	50	60	11.8	12.8
BS-50X62.7X9.5	50	62.7	9.5	10.5
BS-50X63X10	50	63	10	11.0
BS-50X65X9	50	65	9	10.0
BS-50X65X9.5	50	65	9.5	10.5
BS-50X65X10	50	65	10	11.0
BS-50X65X10.9	50	65	10.9	11.9
BS-50X65X14.5	50	65	14.5	15.5
BS-50X65.5X6	50	65.5	6	7.0
BS-50X70X12	50	70	12	13.0
BS-55X63X11.4	55	63	11.4	12.4
BS-55X65X6	55	65	6	7.0
BS-55X65X8.2	55	65	8.2	9.2
BS-55X65X10	55	65	10	11.0
BS-55X65X11.8	55	65	11.8	12.8
BS-55X68X10	55	68	10	11.0
BS-55X70X9	55	70	9	10.0
BS-55X70X12	55	70	12	13.0
BS-55X75X12	55	75	12	13.0
BS-56X66X8	56	66	8	9.0
BS-56X66X10	56	66	10	11.0

BS Urethane Rod U-Cups - Metric, cont'd.

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-56X71X10	56	71	10	11.0
BS-56X71X11.4	56	71	11.4	12.4
BS-56X71.5X6	56	71.5	6	7.0
BS-56X76X12	56	76	12	13.0
BS-60X68X8	60	68	8	9.0
BS-60X68X11.4	60	68	11.4	12.4
BS-60X70X6	60	70	6	7.0
BS-60X70X7	60	70	7	8.0
BS-60X70X10	60	70	10	11.0
BS-60X70X11.5	60	70	11.5	12.5
BS-60X70X12	60	70	12	13.0
BS-60X70.6X3.9	60	70.6	3.9	4.9
BS-60X71X7	60	71	7	8.0
BS-60X72X10	60	72	10	11.0
BS-60X73X10	60	73	10	11.0
BS-60X75X6	60	75	6	7.0
BS-60X75X9	60	75	9	10.0
BS-60X75X10	60	75	10	11.0
BS-60X75X12	60	75	12	13.0
BS-60X75X20.5	60	75	20.5	21.5
BS-60X80X11.4	60	80	11.4	12.4
BS-60X80X12	60	80	12	13.0
BS-63X73X6	63	73	6	7.0
BS-63X73X11.8	63	73	11.8	12.8
BS-63X73X12	63	73	12	13.0
BS-63X78X10	63	78	10	11.0
BS-63X78X11.4	63	78	11.4	12.4
BS-63X78.5X6	63	78.5	6	7.0
BS-63X83X12	63	83	12	13.0
BS-65X75X6	65	75	6	7.0
BS-65X75X7.7	65	75	7.7	8.7
BS-65X75X11.5	65	75	11.5	12.5
BS-65X75X11.8	65	75	11.8	12.8
BS-65X77X9	65	77	9	10.0
BS-65X77.7X9.5	65	77.7	9.5	10.5
BS-65X78X10	65	78	10	11.0
BS-65X80X9	65	80	9	10.0
BS-65X80X12	65	80	12	13.0
BS-65X80.5X6	65	80.5	6	7.0
BS-65X85X12	65	85	12	13.0
BS-67X77X6	67	77	6	7.0
BS-70X80X6	70	80	6	7.0
BS-70X80X11.5	70	80	11.5	12.5
BS-70X82X8.7	70	82	8.7	9.7
BS-70X82X10	70	82	10	11.0
BS-70X83X10	70	83	10	11.0
BS-70X85X9	70	85	9	10.0
BS-70X85X10	70	85	10	11.0
BS-70X85X11.4	70	85	11.4	12.4
BS-70X85X12	70	85	12	13.0
BS-70X85X20.5	70	85	20.5	21.5
BS-70X85.5X6	70	85.5	6	7.0
BS-70X90X12	70	90	12	13.0
BS-75X83X11.4	75	83	11.4	12.4
BS-75X85X6	75	85	6	7.0
BS-75X85X11.5	75	85	11.5	12.5
BS-75X85X12	75	85	12	13.0
BS-75X88X10	75	88	10	11.0
BS-75X90X9	75	90	9	10.0
BS-75X90X12	75	90	12	13.0
BS-75X95X12	75	95	12	13.0
BS-77X87X12	77	87	12	13.0
BS-78X86X9	78	86	9	10.0
BS-80X90X6	80	90	6	7.0
BS-80X90X9	80	90	9	10.0
BS-80X90X10	80	90	10	11.0
BS-80X90X11.8	80	90	11.8	12.8
BS-80X90X12	80	90	12	13.0
BS-80X92X9	80	92	9	10.0
BS-80X93X10	80	93	10	11.0
BS-80X95X9	80	95	9	10.0
BS-80X95X10	80	95	10	11.0
BS-80X95X11.5	80	95	11.5	12.5
BS-80X95X12	80	95	12	13.0
BS-80X95.5X6	80	95.5	6	7.0
BS-80X100X12	80	100	12	13.0
BS-80X100X14.5	80	100	14.5	15.5
BS-80X100X15	80	100	15	16.0
BS-80X110X16.4	80	110	16.4	17.4
BS-85X93X10	85	93	10	11.0
BS-85X93X11	85	93	11	12.0
BS-85X93X11.5	85	93	11.5	12.5
BS-85X95X12	85	95	12	13.0
BS-85X100X9	85	100	9	10.0
BS-85X100X10	85	100	10	11.0
BS-85X100X12	85	100	12	13.0
BS-85X105X12	85	105	12	13.0
BS-88.9X98.9X6.8	88.9	98.9	6.8	7.8
BS-90X98X11.4	90	98	11.4	12.4
BS-90X100X6.8	90	100	6.8	7.8
BS-90X100X9	90	100	9	10.0
BS-90X100X10	90	100	10	11.0
BS-90X100X11.5	90	100	11.5	12.5
BS-90X100X11.8	90	100	11.8	12.8
BS-90X102X8.7	90	102	8.7	9.7
BS-90X105X9	90	105	9	10.0
BS-90X105X10	90	105	10	11.0
BS-90X105X11.4	90	105	11.4	12.4
BS-90X105X12	90	105	12	13.0
BS-90X105.5X5.6	90	105.5	5.6	6.6
BS-90X110X10	90	110	10	11.0
BS-90X110X12	90	110	12	13.0
BS-95X103X11.5	95	103	11.5	12.5
BS-95X105X12	95	105	12	13.0
BS-95X110X9	95	110	9	10.0
BS-95X110X10	95	110	10	11.0
BS-95X110X12	95	110	12	13.0
BS-95X110.5X5.6	95	110.5	5.6	6.6
BS-95X115X12	95	115	12	13.0
BS-96X104X10.9	96	104	10.9	11.9

BS Urethane Rod U-Cups - Metric, cont'd.

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-100X108X8	100	108	8	9.0
BS-100X108X11.4	100	108	11.4	12.4
BS-100X110X10.9	100	110	10.9	11.9
BS-100X115X9	100	115	9	10.0
BS-100X115X10	100	115	10	11.0
BS-100X115X12	100	115	12	13.0
BS-100X115.5X6	100	115.5	6	7.0
BS-100X120X11.5	100	120	11.5	12.5
BS-100X120X11.8	100	120	11.8	12.8
BS-100X120X12	100	120	12	13.0
BS-100X120X14.5	100	120	14.5	15.5
BS-100X125X15	100	125	15	16.0
BS-101.6X116.6X9.6	101.6	116.6	9.6	10.6
BS-105X113X10	105	113	10	11.0
BS-105X113X11.5	105	113	11.5	12.5
BS-105X115X11.5	105	115	11.5	12.5
BS-105X115X13.2	105	115	13.2	14.2
BS-105X120X10	105	120	10	11.0
BS-105X120X14.5	105	120	14.5	15.5
BS-108X123X10.9	108	123	10.9	11.9
BS-110X118X11.4	110	118	11.4	12.4
BS-110X125X9	110	125	9	10.0
BS-110X125X11	110	125	11	12.0
BS-110X125X14.5	110	125	14.5	15.5
BS-110X130X12	110	130	12	13.0
BS-110X130X14.5	110	130	14.5	15.5
BS-110X130X15	110	130	15	16.0
BS-110X135X14.5	110	135	14.5	15.5
BS-112X125X9	112	125	9	10.0
BS-115X123X12.5	115	123	12.5	13.5
BS-115X125X11.8	115	125	11.8	12.8
BS-115X125X14	115	125	14	15.0
BS-115X130X9	115	130	9	10.0
BS-115X130X10.9	115	130	10.9	11.9
BS-115X130X14.5	115	130	14.5	15.5
BS-118X126X11.5	118	126	11.5	12.5
BS-118X126X13.2	118	126	13.2	14.2
BS-120X128X11.4	120	128	11.4	12.4
BS-120X130X10.9	120	130	10.9	11.9
BS-120X130X11.5	120	130	11.5	12.5
BS-120X135X9	120	135	9	10.0
BS-120X135X15	120	135	15	16.0
BS-120X140X12	120	140	12	13.0
BS-120X140X14.5	120	140	14.5	15.5
BS-120X140X15	120	140	15	16.0
BS-125X133X10	125	133	10	11.0
BS-125X140X9	125	140	9	10.0
BS-125X145X12	125	145	12	13.0
BS-125X145X14.5	125	145	14.5	15.5
BS-125X150X12.5	125	150	12.5	13.5
BS-125X150X14	125	150	14	15.0
BS-127X142X9.6	127	142	9.6	10.6
BS-130X140X14.5	130	140	14.5	15.5
BS-130X145X9	130	145	9	10.0

Part Number	Rod Diameter d	Groove Diameter D	Seal Height L_1	Groove Height L
BS-130X150X12	130	150	12	13.0
BS-130X150X14.5	130	150	14.5	15.5
BS-130X150X15	130	150	15	16.0
BS-132X142X8.6	132	142	8.6	9.6
BS-132.5X157.5X13.2	132.5	157.5	13.2	14.2
BS-135X150X11	135	150	11	12.0
BS-135X150X11.5	135	150	11.5	12.5
BS-140X150X10.9	140	150	10.9	11.9
BS-140X150X11.5	140	150	11.5	12.5
BS-140X155X9	140	155	9	10.0
BS-140X155.5X6	140	155.5	6	7.0
BS-140X160X12	140	160	12	13.0
BS-140X160X14.5	140	160	14.5	15.5
BS-140X160X15	140	160	15	16.0
BS-140X170X18	140	170	18	19.0
BS-145X175X15	145	175	15	16.0
BS-150X160X11	150	160	11	12.0
BS-150X165X9	150	165	9	10.0
BS-150X170X12	150	170	12	13.0
BS-150X170X13.2	150	170	13.2	14.2
BS-150X170X14.5	150	170	14.5	15.5
BS-150X170X15	150	170	15	16.0
BS-150X180X18	150	180	18	19.0
BS-151X159X9	151	159	9	10.0
BS-155X170X14.5	155	170	14.5	15.5
BS-160X168X11.5	160	168	11.5	12.5
BS-160X170X11.5	160	170	11.5	12.5
BS-160X175X9	160	175	9	10.0
BS-160X175X11	160	175	11	12.0
BS-160X175.5X6	160	175.5	6	7.0
BS-160X180X12	160	180	12	13.0
BS-160X180X14.5	160	180	14.5	15.5
BS-160X180X15	160	180	15	16.0
BS-160X185X15	160	185	15	16.0
BS-160X185X18.2	160	185	18.2	19.2
BS-165X180X9	165	180	9	10.0
BS-170X190X14.5	170	190	14.5	15.5
BS-170X200X15	170	200	15	16.0
BS-170X200X16.5	170	200	16.5	17.5
BS-170X200X18	170	200	18	19.0
BS-180X200X11.8	180	200	11.8	12.8
BS-180X200X14.5	180	200	14.5	15.5
BS-180X200X15	180	200	15	16.0
BS-185X200X10.9	185	200	10.9	11.9
BS-190X210X15	190	210	15	16.0
BS-200X220X12	200	220	12	13.0
BS-200X220X14.5	200	220	14.5	15.5
BS-200X220X15	200	220	15	16.0
BS-205X220X12.2	205	220	12.2	13.2
BS-210X230X15	210	230	15	16.0
BS-220X240X14.5	220	240	14.5	15.5
BS-220X250X18	220	250	18	19.0
BS-240X260X15	240	260	15	16.0