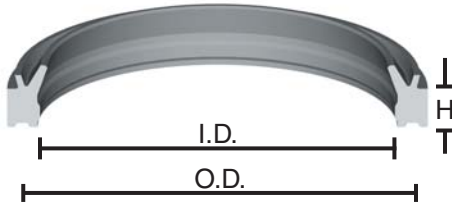


STYLE MSWP SNAP-IN WIPERS

This wiper features a lip on top of the shoulder which makes contact with the throat of the groove. This serves to prevent contaminants from entering the groove.



SEAL INFORMATION

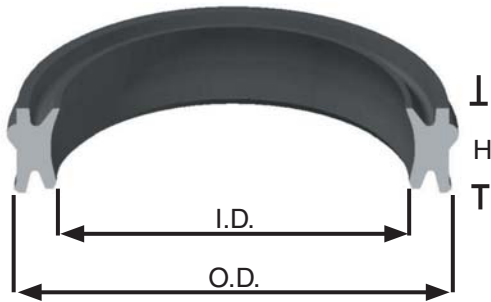
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +220° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSWP-20X28X4	\$ 5.36	MSWP-36X44X4	\$ 6.27	MSWP-56X64X4	\$ 8.05	MSWP-80X88X4	\$ 9.62
MSWP-22X30X4	5.36	MSWP-40X48X4	6.61	MSWP-60X68X4	8.05	MSWP-80X90X6.3	12.83
MSWP-25X33X4	5.36	MSWP-40X48X5	6.61	MSWP-63X71X4	8.43	MSWP-85X93X4	10.48
MSWP-30X38X4	5.82	MSWP-45X53X4	6.88	MSWP-65X73X4	8.43	MSWP-90X98X4	10.82
MSWP-32X40X4	6.27	MSWP-50X58X4	7.71	MSWP-70X78X4	11.77	MSWP-100X108X4	12.09
MSWP-32X40X5	5.76	MSWP-50X58X5	7.71	MSWP-70X80X6.3	12.31	MSWP-140X152X5.5	33.45
MSWP-35X43X4	6.27	MSWP-55X63X4	8.05	MSWP-75X83X4	9.38		

STYLE MK51 WIPER



MK51 is a polyurethane pneumatic combo seal that is used as both a rod seal and wiper.



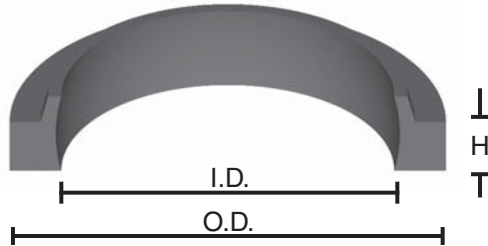
SEAL INFORMATION

MATERIAL	92A POLYURETHANE
TEMPERATURE RANGE	-22° F, +200° F
MAXIMUM PRESSURE	230 PSI
SPEED	3 FT/SEC
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	ID	OD	H	List Price
MK51-12X22X10.4	12	22	13	\$ 6.63
MK51-16X26X10.4	16	26	13	6.77
MK51-18X28X10.4	18	28	13	6.98
MK51-20X30X10.4	20	30	13	7.60
MK51-25X35X10.4	25	35	13	8.12
MK51-32X42X10.4	32	42	13	8.87
MK51-40X50X10.4	40	50	13	12.18
MK51-50X60X10.4	50	60	13	13.28

STYLE MSWE SNAP-IN WIPERS

Molded in urethane, this wiper is flexible enough to easily snap into a groove yet tough enough to handle difficult rod wiping applications.



SEAL INFORMATION

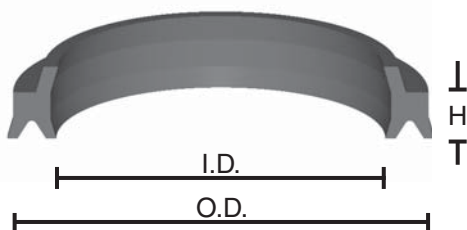
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

WIPER RINGS

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSWE-14X20X3.8	\$ 2.04	MSWE-45X53X5	\$ 5.01	MSWE-75X83X5	\$ 7.71	MSWE-120X132X7	\$ 9.56
MSWE-16X22X3	2.14	MSWE-45X55X5	5.12	MSWE-80X88X5	7.98	MSWE-125X137X7	10.82
MSWE-18X24X3.5	1.70	MSWE-50X58X5	5.96	MSWE-80X92X7	8.12	MSWE-130X142X7	10.82
MSWE-20X26X3	1.79	MSWE-50X60X5	6.33	MSWE-85X93X5	8.27	MSWE-140X148X5	20.93
MSWE-20X28X5	1.57	MSWE-50X60X7	8.22	MSWE-90X98X5	8.42	MSWE-140X152X7	10.45
MSWE-22X30X5	2.04	MSWE-55X63X5	8.14	MSWE-90X100X6.3	9.60	MSWE-141X151X5	12.86
MSWE-25X33X5	2.34	MSWE-56X64X5	6.33	MSWE-90X102X7	5.55	MSWE-150X162X7	13.10
MSWE-28X36X5	2.53	MSWE-56X66X6.3	10.58	MSWE-90X102X7	5.55	MSWE-160X168X5	13.65
MSWE-30X38X5	3.88	MSWE-60X68X5	6.35	MSWE-95X107X7	9.54	MSWE-160X175X10	10.82
MSWE-32X40X5	3.53	MSWE-60X70X7	9.67	MSWE-99X109X5	10.42	MSWE-160X179X9	78.33
MSWE-35X43X5	5.72	MSWE-63X71X5	7.01	MSWE-100X115X9.5	16.79	MSWE-162X172X5	17.50
MSWE-36X44X5	5.06	MSWE-63X73X6.3	11.89	MSWE-105X113X5	16.09	MSWE-183X193X5	25.06
MSWE-40X48X5	5.72	MSWE-65X73X5	7.21	MSWE-105X117.2X7	8.74	MSWE-195X210X9	15.59
MSWE-40X50X5	5.93	MSWE-65X75X7	11.02	MSWE-110X122X7	9.56	MSWE-200X220X10	52.72
MSWE-40X50X7	6.98	MSWE-70X78X5	7.71	MSWE-115X127X7	9.56	MSWE-207X217X5	27.65
MSWE-42X50X4	18.64	MSWE-70X82X7	4.80	MSWE-120X128X5	11.14	MSWE-220X235X10	16.27
MSWE-42X50X5	5.14	MSWE-78X88X5	9.26	MSWE-120X130X5	12.35		

STYLE MSWH SNAP-IN WIPERS

Molded in urethane, this wiper features a double lip which prevents fluid that seeps by the rod seal from exiting the cylinder.



SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSWH-12X18X3.6	\$ 15.25	MSWH-14X22X4.5	\$ 2.17	MSWH-18X24X3.6	\$ 9.98	MSWH-20X28X4.5	\$ 2.41
MSWH-14X20X3.6	15.71	MSWH-16X24X4.5	2.29	MSWH-18X26X4.5	2.29	MSWH-22X28X3.6	16.89

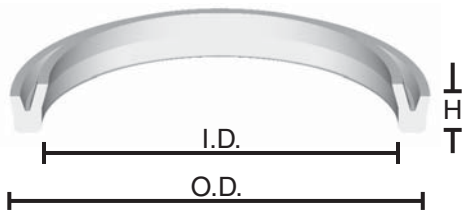
STYLE MSWH SNAP-IN WIPERS



Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSWH-22.4X30.4X4.5	\$ 2.48	MSWH-40X48X6	\$ 15.22	MSWH-63X71X5	\$ 5.02	MSWH-100X110X6	\$ 10.77
MSWH-23.5X31.5X4.5	2.48	MSWH-40X50.6X4.6	4.21	MSWH-65X73X5	5.02	MSWH-110X125X7.5	38.08
MSWH-25X32X3.75	6.81	MSWH-42X51X4.5	16.97	MSWH-67X75X5	5.02	MSWH-112X122X6	11.96
MSWH-25X33X4.5	2.61	MSWH-45X53X4.5	17.89	MSWH-70X80X5.5	8.85	MSWH-117X127X5.5	23.16
MSWH-28X36X4.5	2.61	MSWH-45X53X5	3.97	MSWH-70X80X6	6.26	MSWH-125X138X7	12.96
MSWH-30X38X5	2.70	MSWH-50X58X4.5	8.06	MSWH-71X81X6	6.26	MSWH-136X146X5.5	25.21
MSWH-31.5X39.5X5	2.86	MSWH-50X58X5	4.32	MSWH-75X85X5.5	13.62	MSWH-136X149X7	14.04
MSWH-32X40X5	5.01	MSWH-50X58X6	20.91	MSWH-75X85X6	6.62	MSWH-140X153X7	14.28
MSWH-32X40X6	14.75	MSWH-50X59X3.6	6.97	MSWH-78X84X4.5	15.95	MSWH-140X155X7.5	45.22
MSWH-35X43X5	3.21	MSWH-50X60X5	16.12	MSWH-80X90X6	6.62	MSWH-145X158X7	14.28
MSWH-35.5X43.5X5	3.38	MSWH-53X61X5	4.54	MSWH-85X95X6	6.87	MSWH-155X165X5.5	27.40
MSWH-35X44X3.6	21.27	MSWH-55X63X5	4.70	MSWH-90X100X5.3	25.72	MSWH-160X174X7	15.96
MSWH-36X44X4.5	6.67	MSWH-56X64X5	4.70	MSWH-90X100X6	7.43	MSWH-176X186X5.5	46.33
MSWH-36X44X6	18.80	MSWH-56X66X5.3	19.05	MSWH-98X108X4.5	16.62	MSWH-198X208X5.5	48.66
MSWH-40X48X5	3.62	MSWH-60X68X5	5.02	MSWH-98X108X6	9.74		

STYLE MSW SNAP-IN WIPERS

Molded in urethane, this wiper features a lip on the outer diameter to aid in contaminant exclusion.



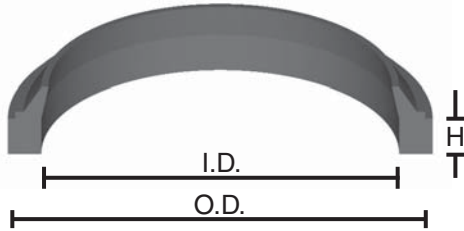
SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSW-20X28X4.5	\$ 1.57	MSW-45X55X6	\$ 4.31	MSW-70X83X7	\$ 7.06	MSW-95X108X7	\$ 16.18
MSW-25X33X4.5	2.34	MSW-50X58X5	4.90	MSW-75X85X6	7.82	MSW-100X110X6	16.18
MSW-25X34X4.5	21.49	MSW-50X60X6	4.90	MSW-75X88X7	7.82	MSW-100X113X7	16.18
MSW-30X38X5	5.80	MSW-55X63X5	13.21	MSW-80X90X6	7.82	MSW-110X120X6	16.82
MSW-35X43X5	3.21	MSW-55X65X6	6.12	MSW-80X93X7	7.82	MSW-110X123X7	17.54
MSW-40X48X4.5	3.53	MSW-60X68X5	5.93	MSW-85X98X7	11.80	MSW-120X130X6	17.47
MSW-40X48X5	3.53	MSW-60X73X7	6.36	MSW-90X100X6	11.80	MSW-120X133X7	17.47
MSW-40X50X6	3.53	MSW-65X79X7	6.78	MSW-90X103X7	11.80	MSW-125X138X7	18.11
MSW-45X53X5	4.31	MSW-70X80X6	7.06	MSW-95X105X6	16.18	MSW-140X153X7	20.06

STYLE MSWS SNAP-IN WIPERS

This light duty wiper is molded in polyurethane and features a double-stepped shoulder to fit tightly in the gland throat.



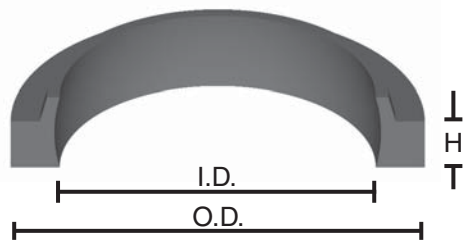
SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSWS-16X24X4	\$ 1.76	MSWS-32X40X4	\$ 2.25	MSWS-50X58X4	\$ 2.25	MSWS-70X78X4	\$ 2.70
MSWS-20X28X4	2.58	MSWS-35X43X4	2.36	MSWS-55X63X4	3.60	MSWS-80X88X4	3.81
MSWS-22X30X4	1.92	MSWS-36X44X4	2.25	MSWS-56X64X4	3.35	MSWS-90X98X4	3.13
MSWS-25X33X4	1.76	MSWS-40X48X4	2.70	MSWS-60X68X4	3.35	MSWS-100X108X4	4.62
MSWS-28X36X4	2.25	MSWS-42X50X4	2.82	MSWS-63X71X4	3.35		
MSWS-30X38X4	2.36	MSWS-45X53X4	2.48	MSWS-65X73X4	3.48		

STYLE MSWN SNAP-IN WIPERS

This medium duty wiper is molded in nitrile rubber



SEAL INFORMATION

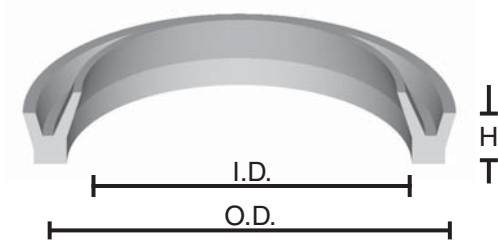
MATERIAL	NITRILE
TEMPERATURE RANGE	-22° TO +212° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSWN-18X26X5	\$ 2.04	MSWN-40X52X6	\$ 3.35	MSWN-65X75X5	\$ 5.17	MSWN-105X117X7	\$ 15.96
MSWN-20X28X4	4.04	MSWN-45X57X6	4.04	MSWN-70X80X5	4.62	MSWN-110X122X7	8.11
MSWN-28X36X4	4.27	MSWN-50X62X5	8.47	MSWN-70X82X6	6.19	MSWN-140X152X7	10.57
MSWN-30X42X6	3.27	MSWN-50X62X6	3.60	MSWN-70X82X7	4.62	MSWN-140X155X10	10.17
MSWN-32X42X5	6.18	MSWN-55X65X5	3.81	MSWN-75X83X5	5.25	MSWN-160X175X10	10.79
MSWN-32X44X6	3.27	MSWN-55X67X6	6.75	MSWN-80X90X6	5.53	MSWN-200X220X10	11.57
MSWN-35X47X6	5.96	MSWN-56X66X5	3.27	MSWN-85X97X7	5.74	MSWN-240X260X10	12.85
MSWN-36X48X6	4.04	MSWN-60X70X5	4.72	MSWN-90X102X7	5.72	MSWN-245X265X10	13.11
MSWN-38X46X5	10.95	MSWN-63X73X5	4.04	MSWN-100X112X7	6.54	MSWN-250X270X10	13.36

STYLE CSWM SNAP-IN WIPERS



This wiper is a heavy duty scraper molded from a hard nylon material.



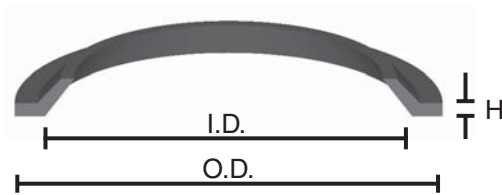
SEAL INFORMATION

MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +212° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
CSWM-25X38X6	\$ 4.04	CSWM-40X53X6	\$ 4.62	CSWM-60X73X6	\$ 6.07	CSWM-90X103X6	\$ 9.00
CSWM-28X41X6	4.04	CSWM-45X58X6	4.49	CSWM-63X76X6	7.54	CSWM-100X113X6	9.79
CSWM-30X43X6	4.39	CSWM-50X63X6	5.29	CSWM-70X83X6	4.62		
CSWM-32X45X6	4.04	CSWM-55X68X6	7.88	CSWM-75X88X6	31.83		
CSWM-36X49X6	4.49	CSWM-56X69X6	5.96	CSWM-80X93X6	8.22		

STYLE MDK SNAP-IN WIPERS

Molded in nitrile, this wiper is for light duty applications.



SEAL INFORMATION

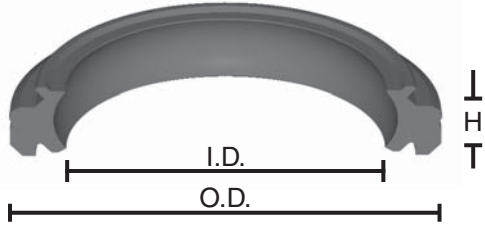
MATERIAL	NITRILE
TEMPERATURE RANGE	-22° TO +212° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MDK-25X33.6X1.6U	\$ 5.33	MDK-50X60X2.15	\$ 9.32	MDK-74X87X3.3	\$ 8.05	MDK-140X150X2.15	\$ 26.60
MDK-30X37.5X1.6	7.30	MDK-55X65X2.15	19.76	MDK-80X90X2.15	15.21		
MDK-32X39.5X1.6	9.35	MDK-63X73X2.15	11.95	MDK-90X100X2.15	22.92		
MDK-33X40.5X1.6	7.38	MDK-70X80X2.15	17.67	MDK-100X110X2.15	19.22		



STYLE MWSCK SNAP-IN WIPERS

Molded in nitrile, this double lipped wiper is common in Toyota lift trucks.



Part Number	List Price	Part Number	List Price
MWSCK-25X37X6	\$ 17.11	MWSCK-35X47X7	\$ 20.30
MWSCK-30X42X6	18.66	MWSCK-50X62X7	23.89

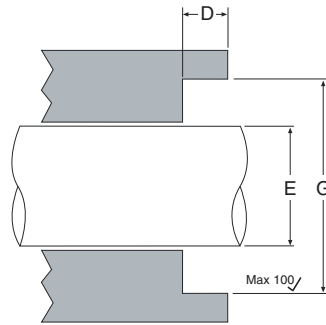
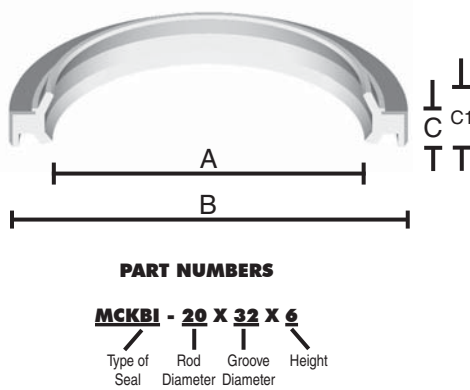
SEAL INFORMATION

MATERIAL	NITRILE
TEMPERATURE RANGE	-49° TO +212° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

STYLE MCKBI METAL CLAD WIPERS



Utilizing a double lip of urethane bonded to a carbon steel case, this wiper prevents contaminant ingress at the wiping lip and around the outer case.



SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Base Ht.	C1 Nom. Overall Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MCKBI-20X32X6	20	32	6	9	6.30 +0.20 -0.00	20 -0.020 -0.053	32 +0.039 -0.000	\$ 3.47
MCKBI-25X37X6	25	37	6	9	6.30 +0.20 -0.00	25 -0.020 -0.053	37 +0.039 -0.000	6.62
MCKBI-30X42X6	30	42	6	9	6.30 +0.20 -0.00	30 -0.020 -0.053	42 +0.039 -0.000	14.83
MCKBI-35X47X7	35	47	7	10	7.30 +0.20 -0.00	35 -0.025 -0.064	47 +0.039 -0.000	15.65
MCKBI-40X50X7	40	50	7	10	7.30 +0.20 -0.00	40 -0.025 -0.064	50 +0.039 -0.000	17.58
MCKBI-40X52X7	40	52	7	10	7.30 +0.20 -0.00	40 -0.025 -0.064	52 +0.046 -0.000	19.12
MCKBI-45X57X7	45	57	7	10	7.30 +0.20 -0.00	45 -0.025 -0.064	57 +0.046 -0.000	20.75
MCKBI-50X62X7	50	62	7	10	7.30 +0.20 -0.00	50 -0.025 -0.064	62 +0.046 -0.000	21.02
MCKBI-55X69X8	55	69	8	11	8.40 +0.20 -0.00	55 -0.030 -0.076	69 +0.046 -0.000	25.03
MCKBI-60X74X8	60	74	8	11	8.40 +0.20 -0.00	60 -0.030 -0.076	74 +0.046 -0.000	27.12
MCKBI-65X79X8	65	79	8	11	8.40 +0.20 -0.00	65 -0.030 -0.076	79 +0.046 -0.000	28.76
MCKBI-70X82X7	70	82	7	10	7.30 +0.20 -0.00	70 -0.030 -0.076	82 +0.054 -0.000	29.81
MCKBI-70X84X8	70	84	8	11	8.40 +0.20 -0.00	70 -0.030 -0.076	84 +0.054 -0.000	30.86
MCKBI-75X87X7	75	87	7	10	7.30 +0.20 -0.00	75 -0.030 -0.076	87 +0.054 -0.000	31.57
MCKBI-75X89X8	75	89	8	11	8.40 +0.20 -0.00	75 -0.030 -0.076	89 +0.054 -0.000	33.18
MCKBI-80X92X7	80	92	7	10	7.30 +0.20 -0.00	80 -0.030 -0.076	92 +0.054 -0.000	37.75
MCKBI-80X94X8	80	94	8	11	8.40 +0.20 -0.00	80 -0.030 -0.076	94 +0.054 -0.000	39.13



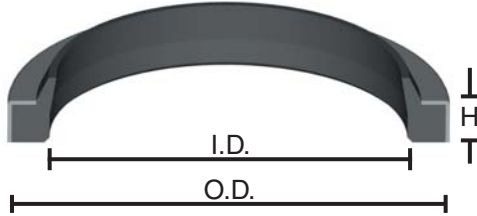
STYLE MCKBI METAL CLAD WIPERS

WIPER RINGS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Base Ht.	C1 Nom. Overall Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MCKBI-85X97X7	85	97	7	10	7.30 +0.20 -0.00	85 -0.036 -0.090	97 +0.054 -0.000	\$ 36.75
MCKBI-85X99X8	85	99	8	11	8.40 +0.20 -0.00	85 -0.036 -0.090	99 +0.054 -0.000	44.41
MCKBI-90X104X8	90	104	8	11	8.40 +0.20 -0.00	90 -0.036 -0.090	104 +0.054 -0.000	48.01
MCKBI-95X109X8	95	109	8	11	8.40 +0.20 -0.00	95 -0.036 -0.090	109 +0.054 -0.000	24.96
MCKBI-100X114X8	100	114	8	11	8.40 +0.20 -0.00	100 -0.036 -0.090	114 +0.054 -0.000	50.41
MCKBI-105X121X9	105	121	9	12	9.40 +0.20 -0.00	105 -0.036 -0.090	121 +0.063 -0.000	48.71
MCKBI-110X126X9	110	126	9	12	9.40 +0.20 -0.00	110 -0.036 -0.090	126 +0.063 -0.000	51.64
MCKBI-120X136X9	120	136	9	12	9.40 +0.20 -0.00	120 -0.036 -0.090	136 +0.063 -0.000	56.51
MCKBI-130X146X9	130	146	9	12	9.40 +0.20 -0.00	130 -0.043 -0.106	146 +0.063 -0.000	61.84
MCKBI-135X155X10	135	155	10	14	10.40 +0.20 -0.00	135 -0.043 -0.106	155 +0.063 -0.000	47.42
MCKBI-140X160X10	140	160	10	14	10.40 +0.20 -0.00	140 -0.043 -0.106	160 +0.063 -0.000	63.36
MCKBI-145X165X10	145	165	10	14	10.40 +0.20 -0.00	145 -0.043 -0.106	165 +0.063 -0.000	64.44
MCKBI-150X170X10	150	170	10	14	10.40 +0.20 -0.00	150 -0.043 -0.106	170 +0.063 -0.000	66.44
MCKBI-155X175X10	155	175	10	14	10.40 +0.20 -0.00	155 -0.043 -0.106	175 +0.063 -0.000	67.17
MCKBI-160X180X10	160	180	10	14	10.40 +0.20 -0.00	160 -0.043 -0.106	180 +0.063 -0.000	81.93
MCKBI-165X185X10	165	185	10	14	10.40 +0.20 -0.00	165 -0.043 -0.106	185 +0.072 -0.000	52.87
MCKBI-170X190X10	170	190	10	14	10.40 +0.20 -0.00	170 -0.043 -0.106	190 +0.072 -0.000	91.37
MCKBI-190X205X9	190	205	9	12	9.40 +0.20 -0.00	190 -0.050 -0.122	205 +0.072 -0.000	96.99
MCKBI-200X216X8	200	216	8	11	8.40 +0.20 -0.00	200 -0.050 -0.122	216 +0.072 -0.000	108.24

STYLE MCW METAL CLAD WIPERS

This wiper is a single lip design molded from high grade urethane and bonded to a carbon steel case.



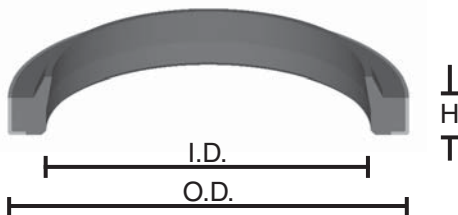
SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MCW-25X37X6	\$ 14.83	MCW-40X52X7	\$ 19.12	MCW-75X89X8	\$ 33.18	MCW-115X131X9	\$ 45.68
MCW-28X38X5	7.24	MCW-45X57X7	20.85	MCW-80X94X8	39.13	MCW-120X136X9	56.51
MCW-30X42X6	14.83	MCW-50X62X7	21.90	MCW-85X99X8	44.41	MCW-130X146X9	61.84
MCW-30X45X7	17.82	MCW-55X69X8	25.03	MCW-90X104X8	48.01	MCW-140X160X10	63.36
MCW-32X44X7	19.28	MCW-56X70X8	25.09	MCW-95X109X8	49.11	MCW-150X170X10	66.44
MCW-32X45X7	18.08	MCW-60X74X8	27.12	MCW-100X114X8	50.41	MCW-160X180X10	81.93
MCW-32X52X8	25.09	MCW-63X77X8	10.48	MCW-105X119X9	51.30	MCW-180X205X12	74.16
MCW-35X47X7	15.65	MCW-65X79X8	28.76	MCW-105X121X9	48.71		
MCW-38X50X7	26.31	MCW-70X84X8	30.86	MCW-110X126X9	51.64		

STYLE MCWE METAL CLAD WIPERS

This wiper is molded from high grade urethane and bonded to a carbon steel case in a single lip design.



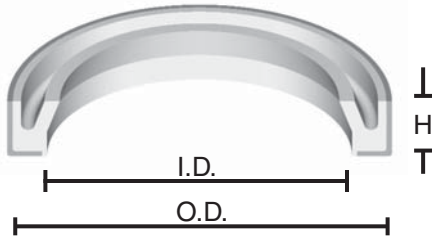
SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MCWE-12X20X4	\$ 10.43	MCWE-30X40X7	\$ 17.12	MCWE-45X55X7	\$ 18.32	MCWE-80X90X7	\$ 21.75
MCWE-20X28X3.5	10.01	MCWE-32X42X7	17.40	MCWE-50X60X7	19.04	MCWE-85X95X7	22.44
MCWE-20X30X5	11.44	MCWE-32X45X7	17.29	MCWE-55X65X7	19.74	MCWE-90X100X7	23.48
MCWE-20X30X7	13.32	MCWE-35X45X7	17.55	MCWE-56X66X7	20.03	MCWE-100X110X7	25.31
MCWE-22X32X6	15.65	MCWE-36X45X7	19.44	MCWE-60X70X7	20.34	MCWE-105X115X7	35.41
MCWE-25X35X7	15.65	MCWE-36X46X7	17.72	MCWE-63X75X7	20.65	MCWE-110X120X7	39.86
MCWE-28X38X7	15.72	MCWE-40X50X7	17.90	MCWE-65X75X7	20.67	MCWE-115X125X7	44.43
MCWE-30X40X5	17.12	MCWE-42X52X7	18.60	MCWE-70X80X7	21.13	MCWE-120X130X7	48.79

STYLE MCWI METAL CLAD WIPERS

This wiper is a single lip design molded from high grade urethane and bonded to a carbon steel case.



SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

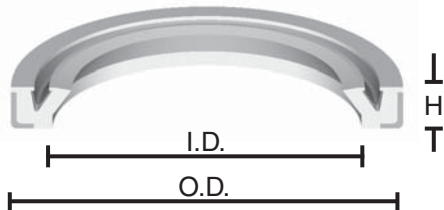
WIPER RINGS

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MCWI-35X47X7	\$ 4.50	MCWI-60X73X6	\$ 20.79	MCWI-80X90X7	\$ 28.11	MCWI-100X114X8	\$ 16.74
MCWI-35X50X9	21.81	MCWI-60X74X8	12.50	MCWI-80X94X8	13.07	MCWI-100X115X7	32.27
MCWI-40X52X6	10.58	MCWI-60X75X6	31.85	MCWI-80X95X8	45.02	MCWI-105X121X9	18.80
MCWI-40X52X7	11.94	MCWI-60X75X7.5	11.75	MCWI-80X100X7	56.43	MCWI-110X125X8	49.99
MCWI-40X55X9	19.22	MCWI-63X78X9	21.06	MCWI-85X99X8	13.07	MCWI-110X126X9	20.32
MCWI-45X57X7	8.45	MCWI-65X79X8	11.47	MCWI-85X100X8	26.11	MCWI-110X130X8	50.35
MCWI-45X60X9	32.10	MCWI-70X80X7	24.56	MCWI-90X104X8	13.07	MCWI-110X130X10	51.04
MCWI-50X64X8	32.90	MCWI-70X84X8	12.03	MCWI-90X105X6	45.22	MCWI-120X135X8	62.35
MCWI-50X65X7.5	13.60	MCWI-70X85X7	23.83	MCWI-90X105X7	46.64	MCWI-120X140X10	65.22
MCWI-50X65X9	16.38	MCWI-70X85X7.5	20.71	MCWI-90X105X8	45.40	MCWI-125X140X8	62.35
MCWI-55X69X8	9.96	MCWI-70X85X8	27.00	MCWI-90X106X8	31.45	MCWI-125X140X9	63.18
MCWI-56X70X7.5	14.29	MCWI-75X89X8	12.75	MCWI-95X109X8	31.56	MCWI-130X146X9	30.26
MCWI-56X71X9	18.13	MCWI-75X90X8	25.81	MCWI-95X110X8	15.61	MCWI-140X160X10	30.65
MCWI-60X70X7	20.76	MCWI-75X95X10	22.75	MCWI-100X116X8	38.94	MCWI-150X170X10	41.17

STYLE MCWS METAL CLAD WIPERS



Molded from high grade urethane and bonded to a carbon steel case, this wiper utilizes a stainless steel finger spring to maintain a high radial force on the rod.



SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

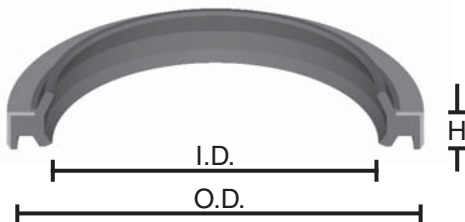
Part Number	List Price
MCWS-32X42X7	\$ 10.59
MCWS-40X50X7	20.03
MCWS-45X55X7	20.62

Part Number	List Price
MCWS-50X60X7	\$ 21.25
MCWS-56X68X7	30.19
MCWS-63X75X7	19.87

Part Number	List Price
MCWS-63X83X10	\$ 20.95
MCWS-70X90X10	30.31
MCWS-80X100X10	56.75

STYLE MCKB METAL CLAD WIPERS

Utilizing a double lip of nitrile bonded to a carbon steel case, this wiper prevents contaminant ingress at the wiping lip and around the outer case.



SEAL INFORMATION	
MATERIAL	80A NITRILE
TEMPERATURE RANGE	-20° TO +250° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price
MCKB-20X32X6	\$ 14.62
MCKB-22X32X6	14.62
MCKB-22X34X6	15.65
MCKB-25X37X6	14.83
MCKB-30X42X6	14.83
MCKB-30X45X6	14.83
MCKB-30X47X7	21.04
MCKB-32X52X8	17.15

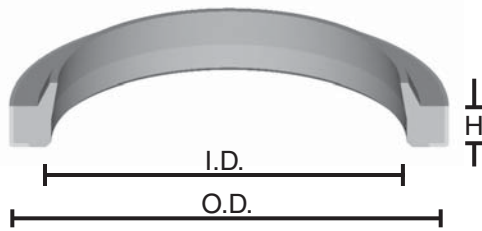
Part Number	List Price
MCKB-35X47X7	\$ 15.65
MCKB-36X48X7	28.33
MCKB-40X52X7	19.12
MCKB-40X62X8	27.45
MCKB-45X57X7	20.85
MCKB-50X62X7	21.90
MCKB-50X72X8	40.55
MCKB-55X69X8	25.03

Part Number	List Price
MCKB-60X74X8	\$ 27.12
MCKB-63X77X8	24.10
MCKB-65X79X8	28.76
MCKB-70X84X8	30.86
MCKB-75X89X8	33.18
MCKB-80X94X8	39.13
MCKB-85X99X8	44.41
MCKB-90X104X8	48.01

Part Number	List Price
MCKB-95X109X8	\$ 49.11
MCKB-105X121X9	21.01
MCKB-100X114X8	50.41
MCKB-112X128X9	69.27
MCKB-115X131X9	23.27

STYLE MCWN METAL CLAD WIPERS

This wiper is a single lip design molded from high grade nitrile and bonded to a carbon steel case.



SEAL INFORMATION

MATERIAL	NITRILE
TEMPERATURE RANGE	-30° TO +220° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

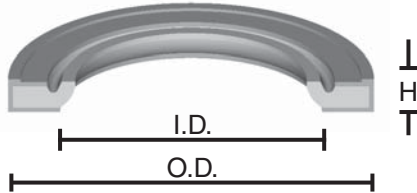
WIPER RINGS

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MCWN-10X16X3	\$ 1.57	MCWN-25X35X7	\$ 1.70	MCWN-45X55X5	\$ 2.36	MCWN-75X85X7	\$ 4.17
MCWN-12X18X3.5	2.25	MCWN-28X38X5	1.79	MCWN-45X55X7	2.36	MCWN-78X88X7	7.04
MCWN-12X20X4	1.57	MCWN-28X38X7	1.57	MCWN-45X57X7	2.58	MCWN-80X90X7	4.39
MCWN-12X22X5	1.70	MCWN-28X40X7	2.34	MCWN-45X60X7	2.58	MCWN-85X95X7	8.96
MCWN-15X25X5	1.57	MCWN-30X40X5	1.70	MCWN-50X56X5	2.36	MCWN-90X100X7	7.58
MCWN-16X22X3	4.60	MCWN-30X40X7	1.92	MCWN-50X60X7	4.16	MCWN-95X105X7	6.98
MCWN-16X26X5	2.58	MCWN-32X40X4	1.79	MCWN-50X60X5	3.71	MCWN-100X110X7	7.30
MCWN-18X26X3	2.25	MCWN-32X42X5	2.14	MCWN-50X65X7	2.82	MCWN-105X115X7	7.98
MCWN-18X28X7	3.27	MCWN-32X42X7	2.14	MCWN-52X62X7	5.06	MCWN-110X120X7	8.44
MCWN-20X26X5	6.09	MCWN-32X45X4	2.14	MCWN-55X63X7	2.82	MCWN-115X125X7	9.11
MCWN-20X28X3.5	1.48	MCWN-32X45X7	1.92	MCWN-55X65X7	2.70	MCWN-120X130X7	10.47
MCWN-20X28X5	1.57	MCWN-33X43X7	2.58	MCWN-56X65X7	2.82	MCWN-125X140X9	8.66
MCWN-20X30X4	1.70	MCWN-35X45X7	3.05	MCWN-56X66X7	2.92	MCWN-130X145X9	9.22
MCWN-20X30X5	1.79	MCWN-35X47X7	2.14	MCWN-60X70X7	4.49	MCWN-140X155X9	10.13
MCWN-20X30X7	1.70	MCWN-36X46X5	2.14	MCWN-60X75X7	3.27	MCWN-150X165X9	30.76
MCWN-22X28X5	1.70	MCWN-38X48X7	2.36	MCWN-63X75X7	2.82	MCWN-160X175X9	12.14
MCWN-22X32X5	1.57	MCWN-40X50X5	2.14	MCWN-65X75X7	3.27	MCWN-180X195X10	30.18
MCWN-22X32X7	1.57	MCWN-40X50X7	2.14	MCWN-70X80X5	4.63	MCWN-200X220X12	15.93
MCWN-25X33X4	1.70	MCWN-40X52X7	2.36	MCWN-70X80X7	3.81		
MCWN-25X35X5	5.27	MCWN-42X52X7	2.36	MCWN-75X83X7	4.39		

STYLE MDS LINK PIN DUST SEALS



Molded in nitrile with a steel case, this seal is double cased and used to exclude contaminants from cylinder link pins. The "U" suffix indicates a urethane lip.



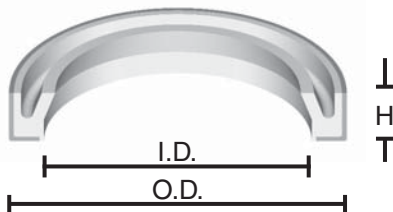
SEAL INFORMATION

MATERIAL	NITRILE SEAL STEEL CASE
TEMPERATURE RANGE	-40° TO +220° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MDS-30X40X4	\$ 7.19	MDS-50X65X6	\$ 5.42	MDS-75X90X4	\$ 9.42	MDS-95X110X4	\$ 14.66
MDS-35X45X4	3.16	MDS-55X68X4	6.29	MDS-80X95X4	10.48	MDS-100X115X4	16.06
MDS-40X50X4	7.19	MDS-60X75X4	6.62	MDSU-80X95X4	17.05	MDS-100X120X4	17.45
MDS-45X55X4	4.17	MDS-65X80X4	7.69	MDS-80X95X6	13.26	MDS-110X125X4	18.86
MDSU-45X55X4	3.73	MDS-70X80X3	54.07	MDS-85X100X4	13.43	MDS-120X135X4	21.98
MDS-50X60X4	4.72	MDS-70X85X4	8.37	MDSU-85X100X4	12.70		
MDS-50X63X4	22.20	MDS-70X85X6	8.56	MDS-90X105X4	13.79		

STYLE MCWA METAL CLAD DUST SEALS

This seal is single cased with a urethane lip and used to exclude contaminants from cylinder link pins.



SEAL INFORMATION

MATERIAL	URETHANE SEAL STEEL CASE
TEMPERATURE RANGE	-30° TO +200° F
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MCWA-30X40X4	\$ 4.91	MCWA-50X65X7.5	\$ 19.18	MCWA-71X86X5	\$ 24.21	MCWA-100X110X7	\$ 30.02
MCWA-35X45X6	19.91	MCWA-55X65X3.18	14.33	MCWA-75X90X8	25.81	MCWA-100X115X8	10.35
MCWA-40X50X3.18	10.53	MCWA-55X70X7.5	20.56	MCWA-80X90X3.18	29.70	MCWA-120X130X7	32.06
MCWA-40X50X4	13.00	MCWA-60X75X5	18.59	MCWA-80X90X7	26.10	MCWA-130X140X7	29.26
MCWA-40X50X5	18.33	MCWA-60X75X7.5	22.37	MCWA-80X95X5	26.65	MCWA-140X155X8	23.51
MCWA-45X55X3.18	13.30	MCWA-60X75X8	19.18	MCWA-80X95X6	13.71	MCWA-160X180X8	34.51
MCWA-45X55X4	16.21	MCWA-65X80X5	38.57	MCWA-80X95X8	14.56		
MCWA-45X55X6	14.19	MCWA-70X80X5	23.29	MCWA-85X100X8	26.11		
MCWA-50X65X5	17.85	MCWA-70X85X8	5.67	MCWA-90X100X7	27.25		