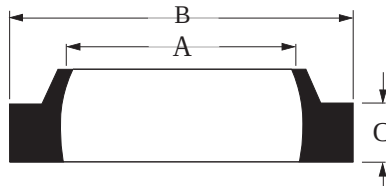


STYLE ST URETHANE WIPER RINGS

Style ST wiper rings are precision molded from 90A durometer urethane. Flexible enough to easily snap into a groove yet tough enough to handle difficult rod wiping applications. "V" tagged wipers are constructed of fluorocarbon.



PART NUMBERS

ST - 25 - V
 Type of Wiper Size Alternate Material

SEAL INFORMATION

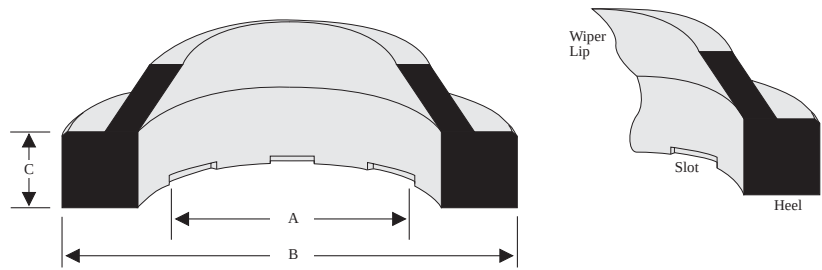
MATERIAL	URETHANE / FLUOROCARBON
TEMPERATURE RANGE	URETHANE -65° TO +220° F FLUOROCARBON -20° to +400° F

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
ST-25	1/4	1/2	1/8	\$ 1.45
ST-37	3/8	5/8	1/8	1.45
ST-43	7/16	11/16	1/8	1.42
ST-50	1/2	3/4	1/8	1.65
ST-56	9/16	13/16	1/8	1.65
ST-62	5/8	7/8	1/8	1.65
ST-75	3/4	1-1/8	3/16	1.65
ST-81	13/16	1-3/16	3/16	1.65
ST-87	7/8	1-1/4	3/16	1.65
ST-93	15/16	1-5/16	3/16	1.49
ST-100	1	1-3/8	3/16	1.65
ST-100V	1	1-3/8	3/16	6.87
ST-112	1-1/8	1-1/2	3/16	1.65
ST-112V	1-1/8	1-1/2	3/16	7.88
ST-118	1-3/16	1-9/16	3/16	1.68
ST-125	1-1/4	1-5/8	3/16	1.79
ST-125V	1-1/4	1-5/8	3/16	9.04
ST-131	1-5/16	1-11/16	3/16	1.85
ST-137	1-3/8	1-3/4	3/16	1.91
ST-137V	1-3/8	1-3/4	3/16	8.46
ST-143	1-7/16	1-13/16	3/16	6.65
ST-150	1-1/2	1-7/8	3/16	2.09
ST-156	1-9/16	1-15/16	3/16	2.10
ST-162	1-5/8	2	3/16	2.18
ST-175	1-3/4	2-1/8	3/16	2.36
ST-175V	1-3/4	2-1/8	3/16	9.57
ST-187	1-7/8	2-1/4	3/16	2.43
ST-193	1-15/16	2-5/16	3/16	2.53
ST-200	2	2-1/2	1/4	2.47
ST-200V	2	2-1/2	1/4	11.94
ST-212	2-1/8	2-5/8	1/4	2.54
ST-212A	2-1/8	2-1/2	3/16	6.95
ST-225	2-1/4	2-3/4	1/4	2.60
ST-237	2-3/8	2-7/8	1/4	2.74
ST-250	2-1/2	3	1/4	2.90
ST-250V	2-1/2	3	1/4	18.55
ST-262	2-5/8	3-1/8	1/4	2.90
ST-275	2-3/4	3-1/4	1/4	3.00
ST-287	2-7/8	3-3/8	1/4	3.12
ST-300	3	3-1/2	1/4	3.12
ST-300V	3	3-1/2	1/4	21.35
ST-312	3-1/8	3-5/8	1/4	3.45
ST-325	3-1/4	3-3/4	1/4	3.45
ST-337	3-3/8	3-7/8	1/4	3.56

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
ST-350	3-1/2	4	1/4	\$ 3.56
ST-350V	3-1/2	4	1/4	24.50
ST-362	3-5/8	4-1/8	1/4	4.12
ST-375	3-3/4	4-1/4	1/4	4.12
ST-387	3-7/8	4-3/8	1/4	4.65
ST-400	4	4-1/2	1/4	4.65
ST-412	4-1/8	4-5/8	1/4	4.73
ST-425	4-1/4	4-3/4	1/4	4.79
ST-437	4-3/8	4-7/8	1/4	5.15
ST-450	4-1/2	5-1/4	3/8	5.19
ST-451	4-1/2	5	1/4	5.15
ST-475	4-3/4	5-1/2	3/8	5.50
ST-487	4-7/8	5-5/8	3/8	6.56
ST-500	5	5-3/4	3/8	7.26
ST-500V	5	5-3/4	3/8	51.68
ST-501	5	5-1/2	1/4	7.06
ST-525	5-1/4	6	3/8	8.97
ST-550	5-1/2	6-1/4	3/8	9.02
ST-575	5-3/4	6-1/2	3/8	10.15
ST-600	6	6-3/4	3/8	10.69
ST-625	6-1/4	7	3/8	10.97
ST-650	6-1/2	7-1/4	3/8	11.25
ST-660	6-1/2	7-1/2	1/2	44.00
ST-675	6-3/4	7-1/2	3/8	11.77
ST-700	7	7-3/4	3/8	12.67
ST-701	7	8	1/2	36.65
ST-702	7	8	400	36.81
ST-750	7-1/2	8-1/4	3/8	13.14
ST-775	7-3/4	8-1/2	3/8	14.09
ST-800	8	8-3/4	3/8	15.04
ST-801	8	8-1/2	1/4	15.04
ST-825	8-1/4	9	3/8	15.25
ST-850	8-1/2	9-1/4	3/8	15.25
ST-851	8-1/2	9	1/4	28.77
ST-875	8-3/4	9-1/2	3/8	16.20
ST-900	9	9-3/4	3/8	17.33
ST-950	9-1/2	10-1/4	3/8	18.22
ST-975	9-3/4	10-1/2	3/8	19.43
ST-1000	10	11	1/2	22.26
ST-1100	11	12	1/2	24.15
ST-1200	12	13	1/2	25.83
ST-1201	12	13-1/4	1/2	54.60

STYLE ST URETHANE WIPER RINGS WITH SLOTTED HEEL

A wide range of ST wipers are now offered in the slotted heel design. The slots in the heel allow excess hydraulic fluid to bypass the wiper, preventing wiper blowout.



SEAL INFORMATION	
MATERIAL	90 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

PART NUMBERS

ST - 62 - SH

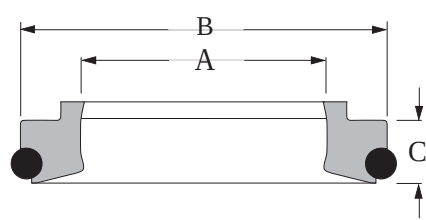
Type of Wiper Size Slotted Heel

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
ST-62-SH	5/8	7/8	1/8	\$ 1.65
ST-75-SH	3/4	1-1/8	3/16	1.65
ST-87-SH	7/8	1-1/4	3/16	1.65
ST-100-SH	1	1-3/8	3/16	1.65
ST-112-SH	1-1/8	1-1/2	3/16	1.65
ST-125-SH	1-1/4	1-5/8	3/16	1.79
ST-137-SH	1-3/8	1-3/4	3/16	1.91
ST-150-SH	1-1/2	1-7/8	3/16	2.09
ST-175-SH	1-3/4	2-1/8	3/16	2.36
ST-200-SH	2	2-1/2	1/4	2.47
ST-225-SH	2-1/4	2-3/4	1/4	2.60
ST-250-SH	2-1/2	3	1/4	2.60

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
ST-262-SH	2-5/8	3-1/8	1/4	\$ 2.80
ST-275-SH	2-3/4	3-1/4	1/4	3.00
ST-300-SH	3	3-1/2	1/4	3.14
ST-350-SH	3-1/2	4	1/4	3.56
ST-400-SH	4	4-1/2	1/4	4.65
ST-425-SH	4-1/4	4-3/4	1/4	4.79
ST-450-SH	4-1/2	5-1/4	3/8	5.19
ST-475-SH	4-3/4	5-1/2	3/8	5.50
ST-500-SH	5	5-3/4	3/8	7.26
ST-525-SH	5-1/4	6	3/8	8.97
ST-600-SH	6	6-3/4	3/8	10.69
ST-700-SH	7	7-3/4	3/8	12.67
ST-1000A-SH	10	10-1/2	1/4	93.75

STYLE STXE ENERGIZED WIPER RINGS

STXE wipers are designed to retrofit the standard ST wiper groove while providing superior performance. The o-ring energizer limits dirt intrusion around the O.D. of the wiper. The energizer also makes this wiper more effective in applications with severe side deflections.



PART NUMBERS

STXE - 150

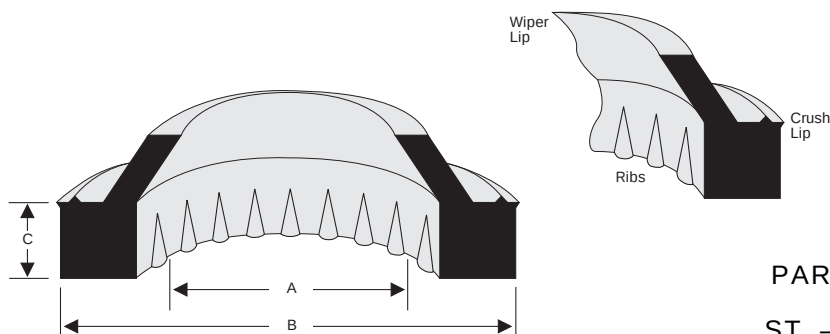
Type of Wiper Size

SEAL INFORMATION	
MATERIAL	URETHANE WIPER RUBBER ENERGIZER
TEMPERATURE RANGE	-65° TO +220° F

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
STXE-150	1-1/2	1-7/8	3/16	\$ 7.18
STXE-200	2	2-1/2	1/4	9.20
STXE-250	2-1/2	3	1/4	10.58
STXE-300	3	3-1/2	1/4	12.16
STXE-350	3-1/2	4	1/4	18.33
STXE-375	3-3/4	4-1/4	1/4	18.56
STXE-400	4	4-1/2	1/4	18.96
STXE-450	4-1/2	5-1/4	3/8	27.15

STYLE ST-XL URETHANE WIPER RINGS

Style ST-XL wipers are molded from premium urethane and are direct replacements for style "ST" or "D" wipers. The outside diameter of the ring has a crush lip providing extra interference in the groove. A bead on the shoulder stops contaminants from entering through the groove. The inside diameter is ribbed to prevent pressure traps between the wiper and rod seal.



SEAL INFORMATION

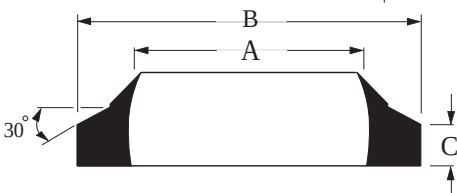
MATERIAL	94 A URETHANE
TEMPERATURE RANGE	-40° TO +230° F

PART NUMBERS

ST - 100 - XL
 Type of Wiper Size Extra Lip

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
ST-75-XL.....	3/4	1-1/8	3/16	\$ 1.11
ST-100-XL.....	1	1-3/8	3/16	1.82
ST-112-XL.....	1-1/8	1-1/2	3/16	1.82
ST-125-XL.....	1-1/4	1-5/8	3/16	1.98
ST-137-XL.....	1-3/8	1-3/4	3/16	2.10
ST-150-XL.....	1-1/2	1-7/8	3/16	2.22
ST-175-XL.....	1-3/4	2-1/8	3/16	2.60
ST-200-XL.....	2	2-1/2	1/4	2.72
ST-225-XL.....	2-1/4	2-3/4	1/4	2.86
ST-250-XL.....	2-1/2	3	1/4	3.18
ST-300-XL.....	3	3-1/2	1/4	3.44
ST-325-XL.....	3-1/4	3-3/4	1/4	3.80
ST-350-XL.....	3-1/2	4	1/4	3.92
ST-400-XL.....	4	4-1/2	1/4	5.12
ST-450-XL.....	4-1/2	5-1/4	3/8	5.72
ST-500-XL.....	5	5-3/4	3/8	8.62
ST-525-XL.....	5-1/4	6	3/8	9.86
ST-550-XL.....	5-1/2	6-1/4	3/8	9.92
ST-600-XL.....	6	6-3/4	3/8	11.68

STYLE BT URETHANE WIPER RINGS



PART NUMBERS

BT 01050

Type of Wiper Size

SEAL INFORMATION	
MATERIAL	90 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
BT01050	5/8	7/8	5/32	\$ 1.35
BT01260	3/4	1-1/8	3/16	1.35
BT01460	7/8	1-1/4	3/16	1.35
BT10060	1	1-3/8	3/16	1.49
BT10260	1-1/8	1-1/2	3/16	1.50
BT10460	1-1/4	1-5/8	3/16	1.50
BT10660	1-3/8	1-3/4	3/16	1.51
BT10860	1-1/2	1-7/8	3/16	1.55
BT11260	1-3/4	2-1/8	3/16	1.62
BT11580	1-15/16	2-7/16	1/4	1.67
BT20060	2	2-3/8	3/16	1.72
BT20460	2-1/4	2-5/8	3/16	1.87
BT20791	2-7/16	3	.284	1.96
BT20860	2-1/2	2-7/8	3/16	2.07
BT20880	2-1/2	3	1/4	2.19
BT21080	2-5/8	3-1/8	1/4	2.28
BT21260	2-3/4	3-1/8	3/16	2.33
BT21280	2-3/4	3-1/4	1/4	2.40

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
BT30060	3	3-3/8	3/16	\$ 2.52
BT30080	3	3-1/2	1/4	2.67
BT30090	2.950	3-1/2	.275	2.78
BT30391	3.165	3.734	.284	2.90
BT30480	3-1/4	3-3/4	1/4	2.96
BT30860	3-1/2	3-7/8	3/16	3.00
BT30880	3-1/2	4	1/4	3.00
BT30890	3.450	4	.275	3.08
BT31080	3-5/8	4-1/8	1/4	3.18
BT31280	3-3/4	4-1/4	1/4	3.22
BT40080	4	4-1/2	1/4	3.34
BT40480	4-1/4	4-3/4	1/4	3.56
BT40880	4-1/2	5	1/4	3.74
BT41280	4-3/4	5-1/4	1/4	3.91
BT41591	4-15/16	5-31/64	.284	4.05
BT50080	5	5-1/2	1/4	4.29
BT50880	5-1/2	6	1/4	5.21
BT60080	6	6-1/2	1/4	5.50

BUNA-N WIPER CORD



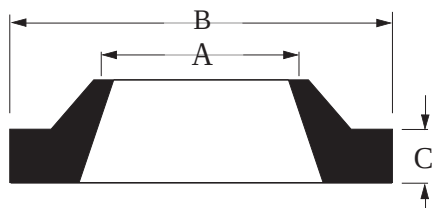
STYLE KW WIPER



STYLE ST WIPER

Part Number	Description	List Price
7580C 3/16"	KW Style 3/16" Cross Section	\$ 1.45/ft
7580C 1/4"	KW Style 1/4" Cross Section	1.59/ft
7581C 3/16"	ST Style 3/16" Cross Section	1.11/ft

STYLE AN URETHANE WIPER RINGS



PART NUMBERS

AN - 01
 Type of Wiper Size

SEAL INFORMATION

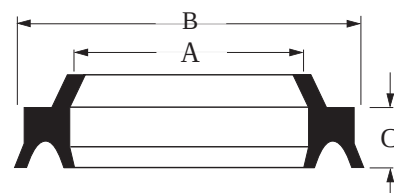
MATERIAL	90 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

NOTE: SH suffix designates slotted heel design. V suffix designates fluorocarbon material. B suffix designates carboxylated nitrile material.

Part Number	A - Rod Diameter	B - Groove I.D.	C - Base Thickness	List Price
AN-01	1/2	.760	.104	\$.71
AN-01-SH	1/2	.760	.104	.71
AN-02	9/16	.823	.104	.71
AN-03	5/8	.885	.104	.71
AN-03-SH	5/8	.885	.104	.71
AN-04	11/16	.948	.104	.71
AN-05	3/4	1.010	.104	.71
AN-05V	3/4	1.010	.104	6.11
AN-05-SH	3/4	1.010	.104	.71
AN-06	13/16	1.084	.104	.74
AN-06-SH	13/16	1.084	.104	.74
AN-07	7/8	1.147	.104	.74
AN-07-SH	7/8	1.147	.104	.74
AN-08	15/16	1.209	.104	.74
AN-09	1	1.272	.104	.74
AN-09B	1	1.272	.104	1.84
AN-09V	1	1.272	.104	9.77
AN-10	1-1/16	1.334	.104	.74
AN-11	1-1/8	1.397	.104	.78
AN-11-SH	1-1/8	1.397	.104	.78
AN-12	1-3/16	1.459	.104	.78
AN-13	1-1/4	1.522	.104	.82
AN-13B	1-1/4	1.490	.104	2.89
AN-14	1-5/16	1.614	.104	.82
AN-15	1-3/8	1.677	.104	1.07
AN-15SH	1-3/8	1.677	.104	1.07
AN-15V	1-3/8	1.677	.104	10.44
AN-16	1-7/16	1.739	.104	1.18
AN-17	1-1/2	1.802	.104	1.20
AN-17-SH	1-1/2	1.802	.104	1.20
AN-18	1-5/8	1.927	.104	1.27
AN-18-SH	1-5/8	1.927	.104	1.27
AN-19	1-3/4	2.052	.104	1.27
AN-19-SH	1-3/4	2.052	.104	1.27
AN-20	1-7/8	2.177	.104	1.28
AN-21	2	2.302	.104	1.28
AN-21-SH	2	2.302	.104	1.28
AN-21V	2	2.302	.104	10.86
AN-22	2-1/8	2.427	.104	1.31
AN-22-SH	2-1/8	2.427	.104	1.31
AN-23	2-1/4	2.552	.104	1.38
AN-23-SH	2-1/4	2.552	.104	1.38
AN-23B	2-1/4	2.552	.104	3.02
AN-24	2-3/8	2.677	.104	1.41
AN-25	2-1/2	2.802	.104	1.55
AN-25-SH	2-1/2	2.802	.104	1.24
AN-26	2-5/8	2.989	.119	1.59
AN-27	2-3/4	3.114	.119	1.63
AN-28	2-7/8	3.239	.119	1.91

Part Number	A - Rod Diameter	B - Groove I.D.	C - Base Thickness	List Price
AN-29	3	3.364	.119	\$ 1.91
AN-29-SH	3	3.364	.119	1.91
AN-30	3-1/8	3.489	.119	1.91
AN-31	3-1/4	3.614	.119	2.23
AN-32	3-3/8	3.729	.119	2.25
AN-33	3-1/2	3.864	.119	2.29
AN-33-SH	3-1/2	3.864	.119	2.29
AN-34	3-5/8	3.989	.119	2.34
AN-35	3-3/4	4.114	.119	2.43
AN-36	3-7/8	4.239	.119	2.49
AN-37	4	4.427	.135	2.54
AN-38	4-1/8	4.552	.135	2.63
AN-39	4-1/4	4.677	.135	2.70
AN-40	4-3/8	4.802	.135	2.74
AN-41	4-1/2	4.927	.135	2.76
AN-41-SH	4-1/2	4.927	.135	3.86
AN-42	4-5/8	5.052	.135	2.80
AN-43	4-3/4	5.177	.135	2.87
AN-44	4-7/8	5.302	.135	2.94
AN-45	5	5.427	.135	3.41
AN-45-SH	5	5.427	.135	3.41
AN-46	5-1/8	5.552	.135	3.44
AN-47	5-1/4	5.677	.135	3.44
AN-48	5-3/8	5.802	.135	3.48
AN-49	5-1/2	5.927	.135	3.56
AN-50	5-5/8	6.114	.151	3.90
AN-51	5-3/4	6.239	.151	4.12
AN-52	5-7/8	6.364	.151	4.20
AN-53	6	6.489	.151	4.32
AN-54	6-1/4	6.739	.151	4.48
AN-55	6-1/2	6.989	.151	4.56
AN-56	6-3/4	7.239	.151	4.65
AN-57	7	7.484	.151	4.78
AN-58	7-1/4	7.739	.151	5.46
AN-59	7-1/2	7.989	.151	6.59
AN-60	7-3/4	8.247	.151	6.99
AN-61	8	8.484	.151	6.62
AN-62	8-1/2	8.989	.151	6.62
AN-63	9	9.497	.151	7.88
AN-64	9-1/2	9.989	.151	8.00
AN-65	10	10.497	.151	8.17
AN-66	10-1/2	10.997	.151	9.26
AN-67	11	11.497	.151	10.50
AN-E9-1/4	9-1/4	9.739	.135	15.49

STYLE HW URETHANE WIPER RINGS



PART NUMBERS

HW - 0500

Type of
Wiper

Size

SEAL INFORMATION

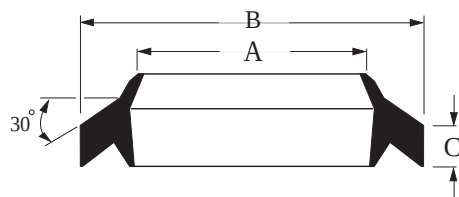
MATERIAL	90 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

NOTE: V suffix designates fluorocarbon material. N suffix designates nitrile material.

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
HW-0500	1/2	13/16	.194	\$ 1.88
HW-0500N	1/2	13/16	.194	1.75
HW-0500V	1/2	13/16	.194	6.50
HW-0625	5/8	15/16	.194	2.11
HW-0625-1	5/8	1	.203	2.11
HW-0625-1N	5/8	1	.203	2.11
HW-0625-2N	5/8	15/16	.194	2.11
HW-0625N	5/8	15/16	.194	2.11
HW-0625V	5/8	15/16	.194	7.17
HW-0750	3/4	1-1/16	.194	2.11
HW-0750N	3/4	1-1/16	.194	2.11
HW-0875	7/8	1-1/4	.212	2.15
HW-1000	1	1-3/8	.212	2.19
HW-1000N	1	1-3/8	.212	2.19
HW-1000V	1	1-3/8	.212	7.72
HW-1125	1-1/8	1-1/2	.212	2.27
HW-1250	1-1/4	1-5/8	.212	2.44
HW-1250N	1-1/4	1-5/8	.212	2.44
HW-1375	1-3/8	1-3/4	.212	2.64
HW-1375N	1-3/8	1-3/4	.212	2.50
HW-1375V	1-3/8	1-3/4	.212	14.09
HW-1500	1-1/2	1-7/8	.212	2.80
HW-1500N	1-1/2	1-7/8	.212	2.80
HW-1501	1-3/4	2-1/8	.168	6.15
HW-1625	1-5/8	2	.212	2.87
HW-1750	1-3/4	2-1/8	.212	2.98
HW-1750N	1-3/4	2-1/8	.212	2.98
HW-1750V	1-3/4	2-1/8	.212	21.07
HW-1875	1-7/8	2-1/4	.212	1.79
HW-2000	2	2-3/8	.212	3.40
HW-2000N	2	2-3/8	.212	3.40
HW-2000V	2	2-3/8	.212	10.90
HW-2125	2-1/8	2-1/2	.212	3.53
HW-2250	2-1/4	2-3/4	.275	3.58
HW-2375N	2-3/8	2-7/8	.275	3.21
HW-2500	2-1/2	3	.275	3.77

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
HW-2500N	2-1/2	3	.275	\$ 2.97
HW-2500V	2-1/2	3	.275	12.06
HW-2625	2-5/8	3-1/8	.275	4.01
HW-2750	2-3/4	3-1/4	.275	4.31
HW-3000	3	3-1/2	.275	4.84
HW-3000N	3	3-1/2	.275	4.84
HW-3000V	3	3-1/2	.275	15.31
HW-3250	3-1/4	3-3/4	.275	5.45
HW-3500	3-1/2	4	.275	5.73
HW-3500N	3-1/2	4	.275	5.79
HW-3500V	3-1/2	4	.275	19.30
HW-3750	3-3/4	4-1/4	.275	6.15
HW-4000	4	4-1/2	.275	6.34
HW-4000N	4	4-1/2	.275	6.35
HW-4000V	4	4-1/2	.275	21.32
HW-4250	4-1/4	4-3/4	.275	6.51
HW-4430	4-7/16	4-15/16	.275	6.60
HW-4500	4-1/2	5	.275	7.04
HW-4500N	4-1/2	5	.275	5.11
HW-4500V	4-1/2	5	.275	21.92
HW-4750	4-3/4	5-1/4	.275	16.68
HW-5000	5	5-1/2	.275	8.32
HW-5000N	5	5-1/2	.275	6.71
HW-5000V	5	5-1/2	.275	23.15
HW-5500	5-1/2	6	.275	11.56
HW-5500N	5-1/2	6	.275	5.81
HW-5500V	5-1/2	6	.275	25.36
HW-6000V	6	6-1/2	.275	27.56
HW-7000	7	7-1/2	.275	14.94
HW-8000	8	8-1/2	.275	26.11

STYLE KW URETHANE WIPER RINGS



PART NUMBERS

KW - 0500
 Type of Wiper Size

SEAL INFORMATION

MATERIAL	90 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

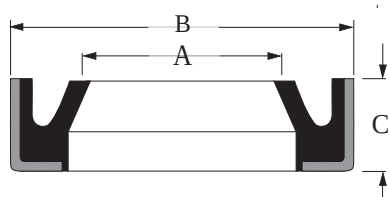
NOTE: N suffix designates nitrile material.

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
KW-0500.....	1/2	3/4	.156	\$ 2.01
KW-0625.....	5/8	7/8	.156	2.01
KW-0750.....	3/4	1-1/8	.190	2.01
KW-0875.....	7/8	1-1/4	.190	2.05
KW-1000.....	1	1-3/8	.190	2.09
KW-1125.....	1-1/8	1-1/2	.190	2.18
KW-1250.....	1-1/4	1-5/8	.190	2.32
KW-1375.....	1-3/8	1-3/4	.190	2.51
KW-1500.....	1-1/2	1-7/8	.190	2.67
KW-1625.....	1-5/8	2	.190	2.73
KW-1750.....	1-3/4	2-1/8	.190	2.84
KW-2000.....	2	2-3/8	.190	3.24
KW-2125.....	2-1/8	2-1/2	.190	4.35
KW-2210.....	2-7/32	2-23/32	.250	14.70
KW-2250.....	2-1/4	2-3/4	.250	3.41
KW-2450N	2.450	3	.281	2.89
KW-2500.....	2-1/2	3	.250	3.59
KW-2500-1	2-1/2	2-7/8	.190	9.75
KW-2625.....	2-5/8	3-1/8	.250	3.82
KW-2750.....	2-3/4	3-1/4	.250	4.10

Part Number	A - Rod Diameter	B - O.D. Wiper	C - Base Thickness	List Price
KW-3000.....	3	3-1/2	.250	\$ 4.61
KW-3125N	3-1/8	3-5/8	.250	4.95
KW-3250.....	3-1/4	3-3/4	.250	4.95
KW-3375.....	3-3/8	3-7/8	.250	5.46
KW-3500.....	3-1/2	4	.250	5.46
KW-3500-2	3-1/2	3-7/8	.190	6.72
KW-3450N	3.450	4	.243	5.56
KW-3750.....	3-3/4	4-1/4	.250	5.91
KW-4000.....	4	4-1/2	.250	7.13
KW-4060.....	4-1/16	4-9/16	.250	7.48
KW-4500.....	4-1/2	5	.250	8.30
KW-4875.....	4-7/8	5-3/8	.250	8.40
KW-5000.....	5	5-1/2	.250	9.30
KW-5250N	5-1/4	5-3/4	.250	5.61
KW-5375.....	5-3/8	5-7/8	.250	10.56
KW-6000.....	6	6-1/2	.250	10.40
KW-7000.....	7	7-1/2	.250	11.26
KW-8000N	8	8-1/2	.255	24.74
KW-8125.....	8-1/8	8.63	.0255	21.39
KW-9125.....	9-1/8	9.63	.0255	37.26
KW-9375.....	9-3/8	9.89	.0255	39.67

HEAVY DUTY STYLE MCU METAL CLAD WIPER RINGS

Utilizing a sturdy metal case, these wipers are molded from the same high performance urethane used in our Heavy Duty U-seals. Built for severe service, these wipers are capable of surviving hostile environments.



PART NUMBERS

MCU - 0750 - D
Type of Wiper Size

SEAL INFORMATION

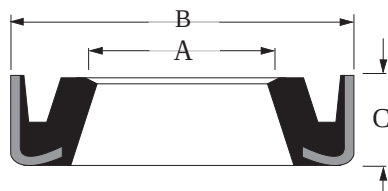
MATERIAL	92 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

Part Number	A - Rod Diameter	B - O.D. Wiper	C Height	List Price
MCU-0750-D	3/4	1-1/4	5/16	\$ 4.03
MCU-1000-D	1	1-1/2	5/16	6.08
MCU-1120-D	1-1/8	1-5/8	5/16	6.54
MCU-1250-D	1-1/4	1-3/4	5/16	7.87
MCU-1254-D	1-1/4	1-3/4	1/4	9.11
MCU-1375-D	1-3/8	1-7/8	5/16	7.97
MCU-1500-D	1-1/2	2	5/16	8.04
MCU-1502-D	1-1/2	2	1/4	8.26
MCU-1506-D	1-1/2	2-1/4	3/8	8.40
MCU-1750-D	1-3/4	2-1/4	5/16	8.70
MCU-1751-D	1-3/4	2-1/4	1/4	8.70
MCU-1755-D	1-3/4	2-7/16	3/8	8.84
MCU-2000-D	2	2-1/2	5/16	9.02
MCU-2002-D	2	2-1/2	1/4	10.03
MCU-2004-D	2	2-5/8	1/4	10.65
MCU-2006-D	2	2-11/16	3/8	11.39
MCU-2188-D	2-3/16	2-11/16	3/8	11.84
MCU-2250-D	2-1/4	2-3/4	5/16	9.65
MCU-2251-D	2-1/4	2-3/4	1/4	9.65
MCU-2253-D	2-1/4	3	3/8	10.11
MCU-2500-D	2-1/2	3	5/16	10.92
MCU-2502-D	2-1/2	3-1/4	3/8	11.10
MCU-2750-D	2-3/4	3-1/4	5/16	12.38
MCU-2755-D	2-3/4	3-3/4	1/2	13.49
MCU-2758-D	2-3/4	3-1/2	1/2	16.23

Part Number	A - Rod Diameter	B - O.D. Wiper	C Height	List Price
MCU-3000-D	3	3-1/2	5/16	\$ 12.73
MCU-3002-D	3	3-3/4	1/4	12.73
MCU-3008-D	3	4	1/2	14.78
MCU-3250-D	3-1/4	4-1/4	1/2	15.09
MCU-3504-D	3-1/2	4-1/4	1/4	17.29
MCU-3506-D	3-1/2	4-1/8	5/16	16.97
MCU-3508-D	3-1/2	4-1/2	1/2	17.58
MCU-3750-D	3-3/4	4-1/4	5/16	20.25
MCU-3754-D	3-3/4	4-3/8	5/16	20.43
MCU-4002-D	4	4-3/4	5/16	24.57
MCU-4005-D	4	4-5/8	5/16	23.90
MCU-4375-D	4-3/8	5	5/16	29.35
MCU-4508-D	4-1/2	5-1/2	1/2	33.14
MCU-5002-D	5	6	1/2	35.87
MCU-5250-D	5-1/4	6	5/16	38.14
MCU-5251-D	5-1/4	5-3/4	5/16	43.07
MCU-6002-D	6	7	1/2	48.79
MCU-6250-D	6-1/4	6-3/4	5/16	57.34
MCU-6751-D	6-3/4	7-1/4	5/16	47.93
MCU-7002-D	7	8	1/2	85.48
MCU-8120-D	8-1/8	8-5/8	5/16	108.71
MCU-9750-D	9-3/4	10-1/4	5/16	129.03

STYLE MCU METAL CLAD WIPERS - URETHANE LIP

MCU wipers utilize a 90A durometer urethane lip securely bonded to a heavy duty metal case. Non-abrasive and highly effective in removing dirt and contaminants from the rod.



PART NUMBERS

MCU - 0625 - G
 Type of Wiper Size

SEAL INFORMATION

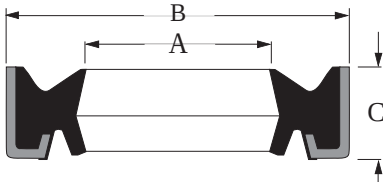
MATERIAL	92 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

Part Number	A - Rod Diameter	B - O.D. Wiper	C Height	List Price
NOMINAL				
MCU-0625-G	5/8	1-1/8	5/16	\$ 4.37
MCU-0750-G	3/4	1-1/4	5/16	5.40
MCU-0875-G	7/8	1-3/8	5/16	4.74
MCU-1000-G	1	1-1/2	5/16	4.77
MCU-1120-G	1-1/8	1-5/8	5/16	5.14
MCU-1187-G	1-3/16	1-5/8	1/4	6.19
MCU-1250-G	1-1/4	1-3/4	5/16	6.19
MCU-1254-G	1-1/4	1-3/4	1/4	7.16
MCU-1255-G	1-1/4	2-1/16	3/8	7.16
MCU-1375-G	1-3/8	1-7/8	5/16	6.25
MCU-1500-G	1-1/2	2	5/16	6.31
MCU-1505-G	1-1/2	2-1/8	5/16	6.49
MCU-1506-G	1-1/2	2-1/4	3/8	6.60
MCU-1625-G	1-5/8	2-1/8	5/16	6.43
MCU-1750-G	1-3/4	2-1/4	5/16	6.84
MCU-1751-G	1-3/4	2-1/4	1/4	5.74
MCU-1755-G	1-3/4	2-7/16	3/8	6.95
MCU-1756-G	1-3/4	2-1/2	3/8	6.95
MCU-1875-G	1-7/8	2-3/8	5/16	7.01
MCU-1876-G	1-7/8	2-9/16	3/8	8.75
MCU-2000-G	2	2-1/2	5/16	7.08
MCU-2001-G	2	2-3/8	1/4	8.28
MCU-2003-G	2	2-3/4	3/8	9.48
MCU-2006-G	2	2-11/16	3/8	7.13
MCU-2125-G	2-1/8	2-7/8	3/8	6.79
MCU-2126-G	2-1/8	2-1/2	1/8	12.35
MCU-2250-G	2-1/4	2-3/4	5/16	7.58
MCU-2252-G	2-1/4	3	1/4	7.96
MCU-2253-G	2-1/4	3	3/8	7.96
MCU-2375-G	2-3/8	2-7/8	5/16	8.29
MCU-2376-G	2-3/8	3-1/8	3/8	8.34
MCU-2500-G	2-1/2	3	5/16	8.58
MCU-2501-G	2-1/2	3-1/4	1/4	8.69
MCU-2502-G	2-1/2	3-1/4	3/8	10.47
MCU-2503-G	2-1/2	3	3/16	9.80
MCU-2504-G	2-1/2	3-3/16	3/8	19.43
MCU-2625-G	2-5/8	3-1/8	1/4	8.79
MCU-2626-G	2-5/8	3-3/8	3/8	15.24
MCU-2750-G	2-3/4	3-1/4	5/16	9.73
MCU-2755-G	2-3/4	3-3/4	1/2	10.61
MCU-2756-G	2-3/4	3-1/2	3/8	11.85

Part Number	A - Rod Diameter	B - O.D. Wiper	C Height	List Price
NOMINAL				
MCU-3000-G	3	3-1/2	5/16	\$ 10.01
MCU-3006-G	3	3-3/4	3/8	11.57
MCU-3008-G	3	4	1/2	11.62
MCU-3125-G	3-1/8	3-3/4	3/8	11.69
MCU-3250-G	3-1/4	4-1/4	1/2	11.86
MCU-3254-G	3-1/4	3-3/4	5/16	12.31
MCU-3256-G	3-1/4	3-7/8	5/16	12.31
MCU-3375-G	3-3/8	4	5/16	12.38
MCU-3500-G	3-1/2	4	5/16	12.38
MCU-3506-G	3-1/2	4-1/8	5/16	13.34
MCU-3508-G	3-1/2	4-1/2	1/2	13.81
MCU-3751-G	3-3/4	4-3/4	1/2	15.51
MCU-3754-G	3-3/4	4-3/8	5/16	14.41
MCU-3755-G	3-3/4	4-1/2	5/16	16.03
MCU-4000-G	4	5	1/2	19.32
MCU-4002-G	4	4-3/4	5/16	19.32
MCU-4005-G	4	4-5/8	5/16	18.77
MCU-4250-G	4-1/4	5-1/4	1/2	24.79
MCU-4251-G	4-1/4	4-3/4	3/16	19.31
MCU-4252-G	4-1/4	4-3/4	5/16	20.33
MCU-4375-G	4-3/8	5	5/16	23.07
MCU-4505-G	4-1/2	5-1/8	5/16	24.64
MCU-4508-G	4-1/2	5-1/2	1/2	26.05
MCU-4750-G	4-3/4	5-3/4	1/2	27.03
MCU-5000-G	5	5-3/4	5/16	27.77
MCU-5001-G	5	5-5/8	5/16	26.66
MCU-5002-G	5	6	1/2	28.20
MCU-5250-G	5-1/4	6	5/16	29.99
MCU-5500-G	5-1/2	6-1/8	3/8	29.68
MCU-5502-G	5-1/2	6-1/4	5/16	31.58
MCU-5750-G	5-3/4	6-3/8	3/8	40.27
MCU-5751-G	5-3/4	6-3/4	1/2	40.27
MCU-6000-G	6	6-3/4	3/8	40.27
MCU-6002-G	6	7	1/2	38.36
MCU-6500-G	6-1/2	7-1/2	5/8	38.83
MCU-6503-G	6-1/2	7-1/4	5/16	38.36
MCU-6750-G	6-3/4	7-3/8	3/8	52.02
MCU-6735-G	6-3/4	7-3/4	1/2	40.58
MCU-7000-G	7	7-3/4	5/16	52.88
MCU-7002-G	7	8	1/2	67.20
MCU-8000-G	8	8-3/4	3/8	64.94

HEAVY DUTY STYLE MCHD METAL CLAD WIPERS

MCHD wipers employ a double lip construction for severe duty service and are found in late model Caterpillar construction equipment. These wipers are molded from the same high performance urethane used in our heavy duty u-seals and are bonded to a heavy duty metal case.



PART NUMBERS

MCHD - 1506 - D

Type of Wiper

Size

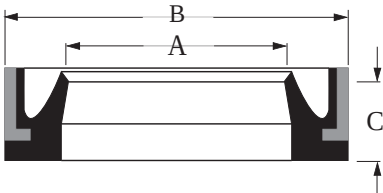
SEAL INFORMATION	
MATERIAL	92 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

Part Number	A - Rod Diameter	B - O.D. Wiper NOMINAL	C Height	List Price
MCHD-1506-D	1-1/2	2-1/4	.433	\$ 16.98
MCHD-1755-D	1-3/4	2-7/16	.433	17.30
MCHD-2006-D	2	2-11/16	.433	18.13
MCHD-2253-D	2-1/4	3	.433	18.89
MCHD-2502-D	2-1/2	3-1/4	.415	20.35
MCHD-2755-D	2-3/4	3-3/4	.555	21.56
MCHD-3008-D	3	4	.555	22.26

Part Number	A - Rod Diameter	B - O.D. Wiper NOMINAL	C Height	List Price
MCHD-3250-D	3-1/4	4-1/4	.555	\$ 22.90
MCHD-3508-D	3-1/2	4-1/2	.555	23.47
MCHD-3751-D	3-3/4	4-3/4	.555	23.87
MCHD-4000-D	4	5	.555	24.04
MCHD-5002-D	5	6	.555	40.51
MCHD-6753-D	6-3/4	7-3/4	.555	49.67
MCHD-7002-D	7	8	.555	50.05

NON-METALLIC CANNED WIPERS

This unique wiper utilizes a tough 90A durometer urethane lip in a molded through non-metallic casing. The thermoplastic case provides a rigid base and is entirely rust-proof. Replaces metal clad wipers of the same dimensions.



PART NUMBERS

PCU - 1000

Type of Wiper

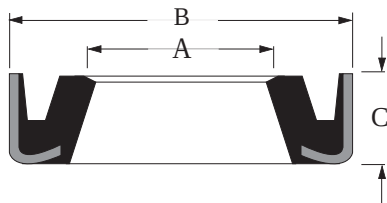
Size

SEAL INFORMATION	
MATERIAL	90 A URETHANE
TEMPERATURE RANGE	-65° TO +220° F

Part Number	A - Rod Diameter	B - O.D. Wiper NOMINAL	C Height	List Price
PCU-1000	1	1-1/2	5/16	\$ 3.36
PCU-1250	1-1/4	1-3/4	5/16	4.05
PCU-1375	1-3/8	1-7/8	5/16	4.40
PCU-1500	1-1/2	2	5/16	4.74
PCU-1750	1-3/4	2-1/4	5/16	5.18
PCU-2000	2	2-1/2	5/16	5.57
PCU-2250	2-1/4	2-3/4	5/16	6.24
PCU-2500	2-1/2	3	5/16	6.46
PCU-2750	2-3/4	3-1/4	5/16	7.01
PCU-3000	3	3-1/2	5/16	7.52
PCU-3250	3-1/4	3-3/4	5/16	8.43
PCU-3500	3-1/2	4	5/16	8.96

“Ask for a FREE sample”! Next time you order an MCU!

STYLE MCN METAL CLAD WIPERS - RUBBER LIP



SEAL INFORMATION

MATERIAL	RUBBER
TEMPERATURE RANGE	-40° TO +240° F

PART NUMBERS

MCN - 0500

Type of
Wiper

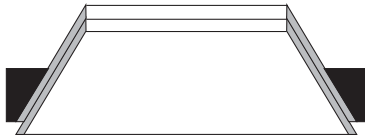
Size

Part Number	A - Rod Diameter	B - O.D. Wiper	C Height	List Price
NOMINAL				
MCN-0500	1/2	11/16	3/32	\$ 1.43
MCN-0501	1/2	3/4	1/8	2.12
MCN-0625	5/8	15/16	3/16	1.64
MCN-0626	5/8	7/8	1/8	1.64
MCN-0750	3/4	1-1/4	1/4	1.66
MCN-0751	3/4	1	1/8	1.79
MCN-0873	7/8	1-1/8	1/8	1.72
MCN-0875	7/8	1-1/4	3/16	1.81
MCN-1001	1	1-1/4	1/8	1.72
MCN-1003	1	1-3/8	3/16	1.99
MCN-1004	1	1-7/16	1/4	2.32
MCN-1005	1	1-1/2	3/16	1.67
MCN-1006	1	1-5/16	1/8	3.39
MCN-1060	1-1/16	1-1/2	3/16	2.24
MCN-1125	1-1/8	1-1/2	3/16	1.67
MCN-1126	1-1/8	1-3/8	1/8	1.67
MCN-1127	1-1/8	1-9/16	1/4	1.80
MCN-1129	1-1/8	1-5/8	1/4	1.67
MCN-1251	1-1/4	1-1/2	1/8	1.67
MCN-1253	1-1/4	1-11/16	3/16	1.80
MCN-1254	1-1/4	1-3/4	1/4	2.30
MCN-1255	1-1/4	1-7/8	1/4	2.63
MCN-1256	1-1/4	1-5/8	1/4	6.50
MCN-1375	1-3/8	1-3/4	3/16	1.80
MCN-1376	1-3/8	1-7/8	1/4	2.60
MCN-1377	1-3/8	1-5/8	1/8	2.83
MCN-1502	1-1/2	1-7/8	1/4	1.95
MCN-1503	1-1/2	1-7/8	3/16	1.80
MCN-1504	1-1/2	2	1/4	2.02
MCN-1625	1-5/8	2-1/8	1/4	2.75

Part Number	A - Rod Diameter	B - O.D. Wiper	C Height	List Price
NOMINAL				
MCN-1626	1-5/8	2-5/8	1/4	\$ 3.70
MCN-1753	1-3/4	2-1/8	3/16	2.78
MCN-1754	1-3/4	2-1/4	1/4	2.92
MCN-1755	1-3/4	2-3/8	1/4	2.99
MCN-1756	1-3/4	2-5/8	1/4	3.06
MCN-1877	1-7/8	2-1/4	3/16	3.17
MCN-1879	1-7/8	2-1/2	1/4	3.17
MCN-2001	2	2-3/8	3/16	3.17
MCN-2002	2	2-5/8	1/4	3.26
MCN-2003	2	2-1/2	1/4	3.11
MCN-2006	2	2-3/4	1/4	4.21
MCN-2007	2	2-7/8	15/32	4.64
MCN-2125	2-1/8	2-1/2	3/16	3.73
MCN-2251	2-1/4	2-5/8	1/4	3.73
MCN-2253	2-1/4	2-3/4	1/4	3.73
MCN-2255	2-1/4	2-7/8	1/4	3.73
MCN-2371	2-3/8	3	1/4	3.85
MCN-2501	2-1/2	3	1/4	3.82
MCN-2504	2-1/2	3-1/8	1/4	5.02
MCN-2660	2.66	3-1/4	3/8	3.47
MCN-2750	2-3/4	3-1/4	1/4	4.38
MCN-2751	2-3/4	3-1/8	3/16	3.72
MCN-2756	2-3/4	3-3/4	3/8	5.50
MCN-3001	3	3-1/2	1/4	4.16
MCN-3003	3	3-3/4	1/4	4.60
MCN-3504	3-1/2	4	1/4	5.87

STYLE SG - "SEAL-GUARD" METALLIC ROD WIPERS

Each Seal Guard Wiper consists of two flexible bronze rings which are held in place by a nitrile cushion ring. The cushion ring absorbs side loads and energizes the wiper to maintain close contact with the rod. While particularly suited for hostile environments, seal guard wipers shave off sand, grit, slag, flux, paint, moisture, chips and slivers. Seal Guard Wipers are long lasting, self adjusting, and offer low friction. Seal Guard Wipers can be installed in standard "ST" or "D" Style grooves by increasing the "B" gland dimension to the "B" diameter shown.

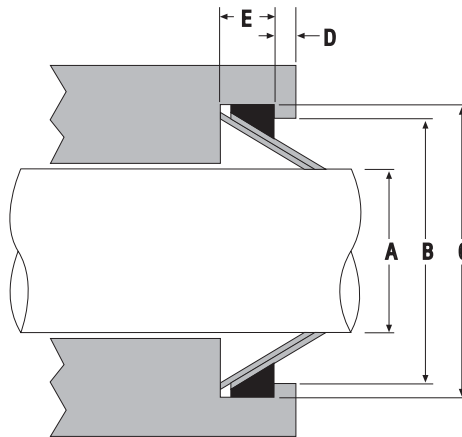


PART NUMBERS

SG - 0.375
 Type of Wiper Size

SEAL INFORMATION

MATERIAL	660 BRONZE 70A NITRILE
TEMPERATURE RANGE	-40° TO +240° F



Part Number	A - Rod Diameter	B - Throat Diameter	C - Groove Diameter	D	E - Groove Width	List Price
SG-0.500	.500 +.001/-.002	.714 +.000/-.010	.750 ±.003	.018 +.015/-.000	.125 +.003/-.0001	\$ 11.72
SG-0.750	.750 +.001/-.002	1.082 +.000/-.010	1.125 ±.003	.022 +.015/-.000	.188 +.003/-.0001	11.94
SG-0.875	.875 +.001/-.002	1.207 +.000/-.010	1.250 ±.003	.022 +.015/-.000	.188 +.003/-.0001	12.44
SG-1.000	1.000 +.001/-.002	1.332 +.000/-.010	1.375 ±.003	.022 +.015/-.000	.188 +.003/-.0001	13.06
SG-1.125	1.125 +.001/-.002	1.457 +.000/-.010	1.500 ±.003	.022 +.015/-.000	.188 +.003/-.0001	14.68
SG-1.250	1.250 +.001/-.002	1.582 +.000/-.010	1.625 ±.003	.022 +.015/-.000	.188 +.003/-.0001	16.28
SG-1.375	1.375 +.001/-.002	1.707 +.000/-.010	1.750 ±.003	.022 +.015/-.000	.188 +.003/-.0001	17.90
SG-1.500	1.500 +.001/-.002	1.832 +.000/-.010	1.875 ±.003	.022 +.015/-.000	.188 +.003/-.0001	19.56
SG-1.750	1.750 +.001/-.002	2.082 +.000/-.010	2.125 ±.003	.022 +.015/-.000	.188 +.003/-.0001	22.78
SG-2.000	2.000 +.001/-.002	2.440 +.000/-.010	2.500 ±.003	.030 +.015/-.000	.250 +.003/-.0001	26.56
SG-2.250	2.250 +.001/-.002	2.690 +.000/-.010	2.750 ±.003	.030 +.015/-.000	.250 +.003/-.0001	29.76
SG-2.500	2.500 +.001/-.002	2.940 +.000/-.010	3.000 ±.003	.030 +.015/-.000	.250 +.003/-.0001	33.06
SG-3.000	3.000 +.001/-.002	3.440 +.000/-.010	3.500 ±.003	.030 +.015/-.000	.250 +.003/-.0001	40.00
SG-3.500	3.500 +.001/-.002	3.940 +.000/-.010	4.000 ±.003	.030 +.015/-.000	.250 +.003/-.0001	66.68