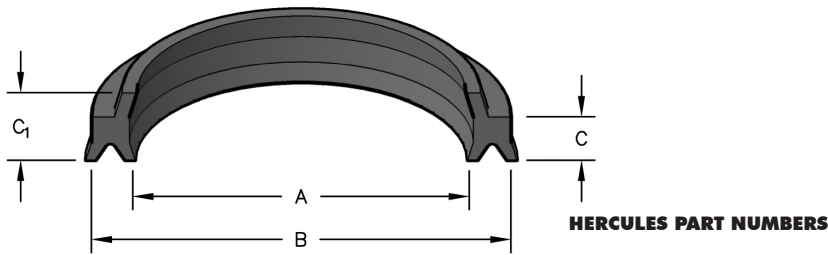
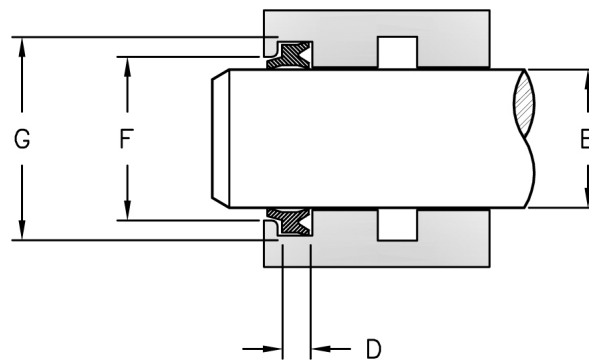


STYLE HW URETHANE WIPER RINGS

Suffix "V" designates fluorocarbon material, "N" designates nitrile material, and "HT" designates high temperature urethane.



HW - 0500
Prefix Size



SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F N: -40° TO +225° F V: -20° TO +350° F HT: -40° TO +225° F
SPEED	3 FT/SEC

WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C ₁ OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS	List Price
HW-0500	1/2	13/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.500 ^{+0.00} / _{-0.002}	.620 ^{+0.002} / _{+0.000}	.802 ^{+0.002} / _{+0.000}	.194	\$3.34
HW-0500N	1/2	13/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.500 ^{+0.00} / _{-0.002}	.620 ^{+0.002} / _{+0.000}	.802 ^{+0.002} / _{+0.000}	.194	3.11
HW-0500V	1/2	13/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.500 ^{+0.00} / _{-0.002}	.620 ^{+0.002} / _{+0.000}	.802 ^{+0.002} / _{+0.000}	.194	11.90
HW-0625N	5/8	15/16	.189	.245	.198 ^{+0.05} / _{+0.00}	.625 ^{+0.00} / _{-0.002}	.745 ^{+0.002} / _{+0.000}	.927 ^{+0.002} / _{+0.000}	.189	3.71
HW-0625	5/8	15/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.625 ^{+0.00} / _{-0.002}	.745 ^{+0.002} / _{+0.000}	.927 ^{+0.002} / _{+0.000}	.194	3.71
HW-0625-2N	5/8	15/16	.194	.311	.203 ^{+0.05} / _{+0.00}	.625 ^{+0.00} / _{-0.002}	.745 ^{+0.002} / _{+0.000}	.927 ^{+0.002} / _{+0.000}	.194	3.71
HW-0625V	5/8	15/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.625 ^{+0.00} / _{-0.002}	.745 ^{+0.002} / _{+0.000}	.927 ^{+0.002} / _{+0.000}	.194	13.15
HW-0625-1	5/8	1	.194	.245	.203 ^{+0.05} / _{+0.00}	.625 ^{+0.00} / _{-0.002}	.990 ^{+0.002} / _{+0.000}	.990 ^{+0.002} / _{+0.000}	.194	15.29
HW-0625-1N	5/8	1	.194	.245	.203 ^{+0.05} / _{+0.00}	.625 ^{+0.00} / _{-0.002}	.990 ^{+0.002} / _{+0.000}	.990 ^{+0.002} / _{+0.000}	.194	3.71
HW-0750	3/4	1-1/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.750 ^{+0.00} / _{-0.002}	.870 ^{+0.002} / _{+0.000}	1.052 ^{+0.002} / _{+0.000}	.194	3.71
HW-0750N	3/4	1-1/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.750 ^{+0.00} / _{-0.002}	.870 ^{+0.002} / _{+0.000}	1.052 ^{+0.002} / _{+0.000}	.194	3.71
HW-0750V	3/4	1-1/16	.194	.245	.203 ^{+0.05} / _{+0.00}	.750 ^{+0.00} / _{-0.002}	.870 ^{+0.002} / _{+0.000}	1.052 ^{+0.002} / _{+0.000}	.194	11.54
HW-0875	7/8	1-1/4	.212	.275	.218 ^{+0.05} / _{+0.00}	.875 ^{+0.00} / _{-0.002}	1.010 ^{+0.002} / _{+0.000}	1.240 ^{+0.002} / _{+0.000}	.212	3.79
HW-0875N	7/8	1-1/4	.212	.275	.218 ^{+0.05} / _{+0.00}	.875 ^{+0.00} / _{-0.002}	1.010 ^{+0.002} / _{+0.000}	1.240 ^{+0.002} / _{+0.000}	.212	3.79
HW-0937	15/16	1-5/16	.212	.275	.218 ^{+0.05} / _{+0.00}	.937 ^{+0.00} / _{-0.002}	1.072 ^{+0.002} / _{+0.000}	1.302 ^{+0.002} / _{+0.000}	.212	8.05

STYLE HW URETHANE WIPER RINGS

WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C ₁ OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS	List Price
HW-1000	1	1-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.000 ^{+0.000} / _{-0.002}	1.135 ^{+0.002} / _{+0.000}	1.365 ^{+0.002} / _{+0.000}	.212	3.85
HW-1000N	1	1-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.000 ^{+0.000} / _{-0.002}	1.135 ^{+0.002} / _{+0.000}	1.365 ^{+0.002} / _{+0.000}	.212	3.85
HW-1000U	1	1-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.000 ^{+0.000} / _{-0.002}	1.135 ^{+0.002} / _{+0.000}	1.365 ^{+0.002} / _{+0.000}	.212	3.09
HW-1000V	1	1-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.000 ^{+0.000} / _{-0.002}	1.135 ^{+0.002} / _{+0.000}	1.365 ^{+0.002} / _{+0.000}	.212	14.13
HW-1125	1-1/8	1-1/2	.212	.275	.218 ^{+0.005} / _{+0.000}	1.125 ^{+0.000} / _{-0.002}	1.260 ^{+0.002} / _{+0.000}	1.490 ^{+0.002} / _{+0.000}	.212	4.04
HW-1250	1-1/4	1-5/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.250 ^{+0.000} / _{-0.002}	1.385 ^{+0.002} / _{+0.000}	1.615 ^{+0.002} / _{+0.000}	.212	4.32
HW-1250N	1-1/4	1-5/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.250 ^{+0.000} / _{-0.002}	1.385 ^{+0.002} / _{+0.000}	1.615 ^{+0.002} / _{+0.000}	.212	4.32
HW-1375	1-3/8	1-3/4	.212	.275	.218 ^{+0.005} / _{+0.000}	1.375 ^{+0.000} / _{-0.002}	1.510 ^{+0.002} / _{+0.000}	1.740 ^{+0.002} / _{+0.000}	.212	4.66
HW-1375HT	1-3/8	1-3/4	.212	.275	.218 ^{+0.005} / _{+0.000}	1.375 ^{+0.000} / _{-0.002}	1.510 ^{+0.002} / _{+0.000}	1.740 ^{+0.002} / _{+0.000}	.212	8.64
HW-1375N	1-3/8	1-3/4	.212	.275	.218 ^{+0.005} / _{+0.000}	1.375 ^{+0.000} / _{-0.002}	1.510 ^{+0.002} / _{+0.000}	1.740 ^{+0.002} / _{+0.000}	.212	4.40
HW-1375V	1-3/8	1-3/4	.212	.275	.218 ^{+0.005} / _{+0.000}	1.375 ^{+0.000} / _{-0.002}	1.510 ^{+0.002} / _{+0.000}	1.740 ^{+0.002} / _{+0.000}	.212	25.83
HW-1500	1-1/2	1-7/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.500 ^{+0.000} / _{-0.002}	1.635 ^{+0.002} / _{+0.000}	1.865 ^{+0.002} / _{+0.000}	.212	4.96
HW-1500N	1-1/2	1-7/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.500 ^{+0.000} / _{-0.002}	1.635 ^{+0.002} / _{+0.000}	1.865 ^{+0.002} / _{+0.000}	.212	4.96
HW-1625	1-5/8	2	.212	.275	.218 ^{+0.005} / _{+0.000}	1.625 ^{+0.000} / _{-0.002}	1.760 ^{+0.002} / _{+0.000}	1.990 ^{+0.002} / _{+0.000}	.212	5.06
HW-1751	1-3/4	2-1/8	.168	.285	.174 ^{+0.005} / _{+0.000}	1.750 ^{+0.000} / _{-0.002}		2.115 ^{+0.002} / _{+0.000}	.168	10.86
HW-1750	1-3/4	2-1/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.750 ^{+0.000} / _{-0.002}	1.885 ^{+0.002} / _{+0.000}	2.115 ^{+0.002} / _{+0.000}	.212	5.29
HW-1750N	1-3/4	2-1/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.750 ^{+0.000} / _{-0.002}	1.885 ^{+0.002} / _{+0.000}	2.115 ^{+0.002} / _{+0.000}	.212	5.29
HW-1750V	1-3/4	2-1/8	.212	.275	.218 ^{+0.005} / _{+0.000}	1.750 ^{+0.000} / _{-0.002}	1.885 ^{+0.002} / _{+0.000}	2.115 ^{+0.002} / _{+0.000}	.212	38.62
HW-1875	1-7/8	2-1/4	.212	.275	.218 ^{+0.005} / _{+0.000}	1.875 ^{+0.000} / _{-0.002}	2.010 ^{+0.002} / _{+0.000}	2.240 ^{+0.002} / _{+0.000}	.212	5.78
HW-1875N	1-7/8	2-1/4	.212	.275	.218 ^{+0.005} / _{+0.000}	1.875 ^{+0.000} / _{-0.002}	2.010 ^{+0.002} / _{+0.000}	2.240 ^{+0.002} / _{+0.000}	.212	18.38
HW-2000	2	2-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	2.000 ^{+0.000} / _{-0.002}	2.135 ^{+0.002} / _{+0.000}	2.365 ^{+0.002} / _{+0.000}	.212	6.01
HW-2000N	2	2-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	2.000 ^{+0.000} / _{-0.002}	2.135 ^{+0.002} / _{+0.000}	2.365 ^{+0.002} / _{+0.000}	.212	6.01
HW-2000V	2	2-3/8	.212	.275	.218 ^{+0.005} / _{+0.000}	2.000 ^{+0.000} / _{-0.002}	2.135 ^{+0.002} / _{+0.000}	2.365 ^{+0.002} / _{+0.000}	.212	19.96
HW-2125N	2-1/8	2.49	.212		.218 ^{+0.005} / _{+0.000}	2.125 ^{+0.000} / _{-0.003}	2.260 ^{+0.363} / _{+0.000}	2.490 ^{+0.003} / _{+0.000}	.212	22.70
HW-2125	2-1/8	2-1/2	.212	.275	.218 ^{+0.005} / _{+0.000}	2.125 ^{+0.000} / _{-0.003}	2.260 ^{+0.003} / _{+0.000}	2.490 ^{+0.003} / _{+0.000}	.212	6.24
HW-2250	2-1/4	2-3/4	.275	.351	.281 ^{+0.005} / _{+0.000}	2.250 ^{+0.000} / _{-0.003}	2.385 ^{+0.003} / _{+0.000}	2.745 ^{+0.003} / _{+0.000}	.275	6.33
HW-2375N	2-3/8	2-7/8	.275	.351	.281 ^{+0.005} / _{+0.000}	2.375 ^{+0.000} / _{-0.003}	2.510 ^{+0.003} / _{+0.000}	2.870 ^{+0.003} / _{+0.000}	.275	5.64
HW-2500	2-1/2	3	.275	.351	.281 ^{+0.005} / _{+0.000}	2.500 ^{+0.000} / _{-0.003}	2.635 ^{+0.003} / _{+0.000}	2.995 ^{+0.003} / _{+0.000}	.275	6.67
HW-2500N	2-1/2	3	.275	.351	.281 ^{+0.005} / _{+0.000}	2.500 ^{+0.000} / _{-0.003}	2.635 ^{+0.003} / _{+0.000}	2.995 ^{+0.003} / _{+0.000}	.275	5.27
HW-2500V	2-1/2	3	.275	.351	.281 ^{+0.005} / _{+0.000}	2.500 ^{+0.000} / _{-0.003}	2.635 ^{+0.003} / _{+0.000}	2.995 ^{+0.003} / _{+0.000}	.275	22.12

STYLE HW URETHANE WIPER RINGS

WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C ₁ OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS	List Price
HW-2625	2-5/8	3-1/8	.275	.351	.281 ^{+0.05} / _{+0.00}	2.625 ^{+0.00} / _{-.003}	2.760 ^{+0.003} / _{+0.00}	3.120 ^{+0.003} / _{+0.00}	.275	7.08
HW-2750N	2-3/4	3.245	.275	.351	.281 ^{+0.05} / _{+0.00}	2.750 ^{+0.00} / _{-.003}	2.885 ^{+0.003} / _{+0.00}	3.245 ^{+0.003} / _{+0.00}	.275	22.44
HW-2750	2-3/4	3-1/4	.275	.351	.281 ^{+0.05} / _{+0.00}	2.750 ^{+0.00} / _{-.003}	2.885 ^{+0.003} / _{+0.00}	3.245 ^{+0.003} / _{+0.00}	.275	7.61
HW-3000	3	3-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	3.000 ^{+0.00} / _{-.003}	3.135 ^{+0.003} / _{+0.00}	3.495 ^{+0.003} / _{+0.00}	.275	8.53
HW-3000N	3	3-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	3.000 ^{+0.00} / _{-.003}	3.135 ^{+0.003} / _{+0.00}	3.495 ^{+0.003} / _{+0.00}	.275	8.53
HW-3000V	3	3-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	3.000 ^{+0.00} / _{-.003}	3.135 ^{+0.003} / _{+0.00}	3.495 ^{+0.003} / _{+0.00}	.275	28.06
HW-3250	3-1/4	3-3/4	.275	.351	.281 ^{+0.05} / _{+0.00}	3.250 ^{+0.00} / _{-.003}	3.385 ^{+0.003} / _{+0.00}	3.745 ^{+0.003} / _{+0.00}	.275	9.65
HW-3500	3-1/2	4	.275	.351	.281 ^{+0.05} / _{+0.00}	3.500 ^{+0.00} / _{-.003}	3.635 ^{+0.003} / _{+0.00}	3.995 ^{+0.003} / _{+0.00}	.275	10.12
HW-3500N	3-1/2	4	.275	.351	.281 ^{+0.05} / _{+0.00}	3.500 ^{+0.00} / _{-.003}	3.635 ^{+0.003} / _{+0.00}	3.995 ^{+0.003} / _{+0.00}	.275	10.21
HW-3500V	3-1/2	4	.275	.351	.281 ^{+0.05} / _{+0.00}	3.500 ^{+0.00} / _{-.003}	3.635 ^{+0.003} / _{+0.00}	3.995 ^{+0.003} / _{+0.00}	.275	35.39
HW-3750	3-3/4	4-1/4	.275	.351	.281 ^{+0.05} / _{+0.00}	3.750 ^{+0.00} / _{-.003}	3.885 ^{+0.003} / _{+0.00}	4.245 ^{+0.003} / _{+0.00}	.275	20.73
HW-4000	4	4-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	4.000 ^{+0.00} / _{-.003}	4.135 ^{+0.003} / _{+0.00}	4.495 ^{+0.003} / _{+0.00}	.275	11.18
HW-4000N	4	4-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	4.000 ^{+0.00} / _{-.003}	4.135 ^{+0.003} / _{+0.00}	4.495 ^{+0.003} / _{+0.00}	.275	11.21
HW-4000V	4	4-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	4.000 ^{+0.00} / _{-.003}	4.135 ^{+0.003} / _{+0.00}	4.495 ^{+0.003} / _{+0.00}	.275	39.10
HW-4250	4-1/4	4-3/4	.275	.351	.281 ^{+0.05} / _{+0.00}	4.250 ^{+0.00} / _{-.003}	4.385 ^{+0.003} / _{+0.00}	4.745 ^{+0.003} / _{+0.00}	.275	17.30
HW-4430	4-7/16	4-15/16	.275	.351	.281 ^{+0.05} / _{+0.00}	4.437 ^{+0.00} / _{-.003}		4.932 ^{+0.003} / _{+0.00}	.275	23.73
HW-4500	4-1/2	5	.275	.351	.281 ^{+0.05} / _{+0.00}	4.500 ^{+0.00} / _{-.003}	4.635 ^{+0.003} / _{+0.00}	4.995 ^{+0.003} / _{+0.00}	.275	12.43
HW-4500N	4-1/2	5	.275	.351	.281 ^{+0.05} / _{+0.00}	4.500 ^{+0.00} / _{-.003}	4.635 ^{+0.003} / _{+0.00}	4.995 ^{+0.003} / _{+0.00}	.275	9.03
HW-4500V	4-1/2	5	.275	.351	.281 ^{+0.05} / _{+0.00}	4.500 ^{+0.00} / _{-.003}	4.635 ^{+0.003} / _{+0.00}	4.995 ^{+0.003} / _{+0.00}	.275	40.17
HW-4750	4-3/4	5-1/4	.275	.351	.281 ^{+0.05} / _{+0.00}	4.750 ^{+0.00} / _{-.003}	4.885 ^{+0.003} / _{+0.00}	5.245 ^{+0.003} / _{+0.00}	.275	29.45
HW-5000	5	5-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	5.000 ^{+0.00} / _{-.003}	5.135 ^{+0.003} / _{+0.00}	5.495 ^{+0.003} / _{+0.00}	.275	14.70
HW-5000N	5	5-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	5.000 ^{+0.00} / _{-.003}	5.135 ^{+0.003} / _{+0.00}	5.495 ^{+0.003} / _{+0.00}	.275	11.85
HW-5000V	5	5-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	5.000 ^{+0.00} / _{-.003}	5.135 ^{+0.003} / _{+0.00}	5.495 ^{+0.003} / _{+0.00}	.275	42.43
HW-5500	5-1/2	6	.275	.351	.281 ^{+0.05} / _{+0.00}	5.500 ^{+0.00} / _{-.003}	5.635 ^{+0.003} / _{+0.00}	5.995 ^{+0.003} / _{+0.00}	.275	20.42
HW-5500N	5-1/2	6	.275	.351	.281 ^{+0.05} / _{+0.00}	5.500 ^{+0.00} / _{-.003}	5.635 ^{+0.003} / _{+0.00}	5.995 ^{+0.003} / _{+0.00}	.275	10.25
HW-5500V	5-1/2	6	.275	.351	.281 ^{+0.05} / _{+0.00}	5.500 ^{+0.00} / _{-.003}	5.635 ^{+0.003} / _{+0.00}	5.995 ^{+0.003} / _{+0.00}	.275	46.46
HW-6000N	6	6-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	6.000 ^{+0.00} / _{-.003}	6.135 ^{+0.003} / _{+0.00}	6.495 ^{+0.003} / _{+0.00}	.275	12.57
HW-6000V	6	6-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	6.000 ^{+0.00} / _{-.003}	6.135 ^{+0.003} / _{+0.00}	6.495 ^{+0.003} / _{+0.00}	.275	50.49
HW-7000	7	7-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	7.000 ^{+0.00} / _{-.004}	7.135 ^{+0.003} / _{+0.00}	7.495 ^{+0.003} / _{+0.00}	.275	26.41
HW-7000N	7	7-1/2	.275	.351	.281 ^{+0.05} / _{+0.00}	7.000 ^{+0.00} / _{-.004}	7.135 ^{+0.003} / _{+0.00}	7.495 ^{+0.003} / _{+0.00}	.275	26.49

STYLE HW URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C ₁ OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS	List Price
HW-7000V	7	7-1/2	.275	.351	.281 ^{+0.005} / _{+0.000}	7.000 ^{+0.000} / _{-.004}	7.135 ^{+0.003} / _{+0.000}	7.495 ^{+0.003} / _{+0.000}	.275	55.65
HW-8000	8	8-1/2	.275	.351	.281 ^{+0.005} / _{+0.000}	8.000 ^{+0.000} / _{-.004}	8.135 ^{+0.003} / _{+0.000}	8.495 ^{+0.003} / _{+0.000}	.275	46.14