



Abbeon Cal, Inc.

Industrial Plastic Working Equipment & Precision Instruments

HLB & HLW

Bushings & Washers



TYPE HLB
Neoprene Impregnated
Duck Tube Bushings



TYPE HLW
Multiple Layer Neoprene
Impregnated Duck Washers
1/4" (6mm) thick
Max loading -1000 psi (70kg/cm²)

TYPE HLB DIMENSIONS

Nominal Size and Bolt Dia.		Bushing O.D.		Shipping Weight	
(in)	(mm)	(in)	(mm)	(oz)	(kg)
1/4	6	1/2	13	1.6	0.05
3/8	10	11/16	18	2.4	0.07
1/2	13	7/8	22	2.6	0.07
5/8	16	1	25	2.8	0.08
3/4	19	1 1/8	29	3.5	0.10
7/8	22	1 3/16	30	4.0	0.11
1	25	1 7/16	36	4.3	0.12
1 1/8	29	1 7/16	36	5.0	0.14
1 1/4	32	1 3/4	45	5.5	0.16
1 3/8	35	1 11/16	43	6.0	0.17
1 1/2	38	1 15/16	50	6.3	0.18
1 5/8	41	2	49	7.0	0.20
1 3/4	45	2 1/16	53	7.5	0.21
1 7/8	48	2 3/16	56	8.0	0.22
2	50	2 1/2	63	8.2	0.23

TYPE HLW DIMENSIONS

Nominal Size and Bolt Dia.		Washer size (ID x OD)		Shipping Weight	
(in)	(mm)	(in)	(mm)	(oz)	(kg)
1/4	6	5/16 x 3/4	8 x 19	0.60	0.02
3/8	10	7/16 x 1	11 x 25	0.80	0.02
1/2	13	9/16 x 1 3/8	14 x 35	1.10	0.03
5/8	16	1 1/16 x 1 3/4	17 x 45	1.40	0.04
3/4	19	1 3/16 x 2	21 x 50	1.60	0.05
7/8	22	1 5/16 x 2 1/4	24 x 57	1.80	0.05
1	25	1 7/16 x 2 1/2	27 x 63	2.00	0.06
1 1/8	29	1 9/16 x 2 3/4	32 x 70	2.20	0.06
1 1/4	32	1 11/16 x 3	35 x 75	2.40	0.07
1 3/8	35	1 13/16 x 3 1/4	38 x 83	2.60	0.07
1 1/2	38	1 15/16 x 3 1/2	41 x 89	2.70	0.08
1 5/8	41	1 17/16 x 3 3/4	45 x 95	3.00	0.09
1 3/4	45	1 19/16 x 4	48 x 100	3.20	0.09
1 7/8	48	2 x 4 1/4	50 x 106	3.40	0.10
2	50	2 1/8 x 4 1/2	54 x 113	3.50	0.10

Abbeon Cal, Inc.,

1363 Donlon Street Unit 1, Ventura, CA 93003-8387

800-922-0977 www.Abbeon.com

E-mail: abbeoncal@abbeon.com