

HEICO-LOCK

WEDGE LOCK WASHERS - STEEL

Heico Part #	Bolt Size		Inner Ø d (inch)	Outer Ø d (inch)	Thickness inch	~ Weight	Inner Ø d (mm)	Outer Ø D (mm)	Thickness mm	~ Weight	Standard Packaging (pairs)
	metric	UNC				100 pairs lbs				100 pairs kg	
HLS-3	M3	#5	0.134	0.276	0.071	0.07	3.4	7	1.8	0.03	200
HLS-3.5	M3,5	#6	0.154	0.299	0.071	0.09	3.9	7.6	1.8	0.04	200
HLB-3.5	M3,5	#6	0.154	0.354	0.071	0.13	3.9	9	1.8	0.06	200
HLS-4	M4	#8	0.173	0.299	0.071	0.09	4.4	7.6	1.8	0.04	200
HLB-4	M4	#8	0.173	0.354	0.071	0.13	4.4	9	1.8	0.06	200
HLS-5	M5	#10	0.213	0.354	0.071	0.11	5.4	9	1.8	0.05	200
HLB-5	M5	#10	0.213	0.425	0.071	0.24	5.4	10.8	1.8	0.11	200
HLS-6	M6		0.256	0.425	0.071	0.15	6.5	10.8	1.8	0.07	200
HLB-6	M6		0.256	0.531	0.098	0.44	6.5	13.5	2.5	0.2	200
HLS-1/4"		1/4"	0.283	0.453	0.071	0.18	7.2	11.5	1.8	0.08	200
HLB-1/4"		1/4"	0.283	0.531	0.098	0.40	7.2	13.5	2.5	0.18	200
HLS-8	M8	5/16"	0.343	0.531	0.098	0.33	8.7	13.5	2.5	0.15	200
HLB-8	M8	5/16"	0.343	0.654	0.098	0.64	8.7	16.6	2.5	0.29	200
HLS-3/8"		3/8"	0.406	0.654	0.098	0.51	10.3	16.6	2.5	0.23	200
HLB-3/8"		3/8"	0.406	0.827	0.098	1.01	10.3	21	2.5	0.46	200
HLS-10	M10		0.421	0.654	0.098	0.51	10.7	16.6	2.5	0.23	200
HLB-10	M10		0.421	0.827	0.098	0.97	10.7	21	2.5	0.44	200
HLS-11	M11	7/16"	0.449	0.728	0.098	0.64	11.4	18.5	2.5	0.29	200
HLS-12	M12		0.512	0.768	0.098	0.64	13	19.5	2.5	0.29	200
HLB-12	M12		0.512	1.000	0.134	2.00	13	25.4	3.4	0.91	100
HLS-1/2"		1/2"	0.531	0.768	0.098	0.59	13.5	19.5	2.5	0.27	200
HLB-1/2"		1/2"	0.531	1.000	0.134	2.05	13.5	25.4	3.4	0.93	100
HLS-14	M14	9/16"	0.598	0.906	0.134	1.39	15.2	23	3.4	0.63	100
HLB-14	M14	9/16"	0.598	1.209	0.134	3.21	15.2	30.7	3.4	1.46	100
HLS-16	M16	5/8"	0.669	1.000	0.134	1.52	17	25.4	3.4	0.69	100
HLB-16	M16	5/8"	0.669	1.209	0.134	2.84	17	30.7	3.4	1.29	100
HLS-18	M18		0.768	1.142	0.134	1.87	19.5	29	3.4	0.85	100
HLB-18	M18		0.768	1.358	0.134	3.48	19.5	34.5	3.4	1.58	100
HLS-3/4"		3/4"	0.787	1.209	0.134	2.31	20	30.7	3.4	1.05	100

HLB-3/4"		3/4"	0.787	1.535	0.134	4.84	20	39	3.4	2.2	100
HLS-20	M20		0.843	1.209	0.134	2.09	21.4	30.7	3.4	0.95	100
HLB-20	M20		0.843	1.535	0.134	4.47	21.4	39	3.4	2.03	100
HLS-22	M22	7/8"	0.921	1.358	0.134	2.84	23.4	34.5	3.4	1.29	100
HLB-22	M22	7/8"	0.921	1.654	0.181	7.28	23.4	42	4.6	3.31	50
HLS-24	M24		0.996	1.535	0.134	3.70	25.3	39	3.4	1.68	100
HLB-24	M24		0.996	1.909	0.181	9.92	25.3	48.5	4.6	4.51	50
HLS-1"		1"	1.098	1.535	0.134	3.37	27.9	39	3.4	1.53	100
HLB-1"		1"	1.098	1.909	0.181	9.24	27.9	48.5	4.6	4.2	50
HLS-27	M27		1.118	1.654	0.260	7.24	28.4	42	6.6	3.29	50
HLB-27	M27		1.118	1.909	0.260	11.86	28.4	48.5	6.6	5.39	50
HLS-30	M30	1 1/8"	1.236	1.850	0.228	9.24	31.4	47	5.8	4.2	50
HLB-30	M30	1 1/8"	1.236	2.303	0.260	19.71	31.4	58.5	6.6	8.96	50
HLS-33	M33	1 1/4"	1.354	1.909	0.260	8.73	34.4	48.5	6.6	3.97	25
HLB-33	M33	1 1/4"	1.354	2.303	0.260	18.28	34.4	58.5	6.6	8.31	25
HLS-36	M36	1 3/8"	1.472	2.165	0.260	12.30	37.4	55	6.6	5.59	25
HLB-36	M36	1 3/8"	1.472	2.480	0.260	20.13	37.4	63	6.6	9.15	25
HLS-39	M39	1 1/2"	1.591	2.303	0.260	13.82	40.4	58.5	6.6	6.28	25
HLS-42	M42		1.701	2.480	0.260	16.43	43.2	63	6.6	7.47	25
HLS-45	M45	1 3/4"	1.819	2.756	0.276	22.44	46.2	70	7	10.2	on request
HLS-48	M48		1.953	2.953	0.276	26.40	49.6	75	7	12	on request
HLS-52	M52	2"	2.110	3.150	0.276	28.60	53.6	80	7	13	on request
HLS-56	M56	2 1/4"	2.327	3.346	0.276	29.70	59.1	85	7	13.5	on request
HLS-60	M60		2.484	3.543	0.374	33.44	63.1	90	9.5	15.2	on request
HLS-64	M64	2 1/2"	2.642	3.740	0.374	36.74	67.1	95	9.5	16.7	on request
HLS-68	M68		2.799	3.937	0.374	62.02	71.1	100	9.5	28.19	on request
HLS-72	M72		2.957	4.134	0.374	67.54	75.1	105	9.5	30.7	on request
HLS-76	M76	3"	3.114	4.331	0.374	73.28	79.1	110	9.5	33.31	on request
HLS-80	M80		3.272	4.528	0.374	79.24	83.1	115	9.5	36.02	on request
HLS-85	M85		3.469	4.724	0.374	83.25	88.1	120	9.5	37.84	on request
HLS-90	M90		3.638	5.118	0.374	104.87	92.4	130	9.5	47.67	on request
HLS-95	M95		3.835	5.315	0.374	109.58	97.4	135	9.5	49.81	on request
HLS-100	M100		4.071	5.709	0.374	129.60	103.4	145	9.5	58.91	on request
HLS-105	M105		4.268	5.906	0.374	134.82	108.4	150	9.5	61.28	on request

HLS-110	M110	4.465	6.102	0.374	140.03	113.4	155	9.5	63.65	on request
HLS-115	M115	4.661	6.496	0.374	165.62	118.4	165	9.5	75.28	on request
HLS-120	M120	4.858	6.693	0.374	171.47	123.4	170	9.5	77.94	on request
HLS-125	M125	5.055	6.811	0.374	168.59	128.4	173	9.5	76.63	on request
HLS-130	M130	5.252	7.008	0.374	174.17	133.4	178	9.5	79.17	on request

Steel washers with Zinc flake coating (Delta Protekt®) are available in HLS3-HLS42 (standard sizes) and HLS45-HLS130 (upon request).

HEICO-LOCK washers with **a large outside diameter** in combination with flanged nuts/ bolts are recommended for use on large/long holes, painted surfaces or soft materials, e.g. aluminum.