

All dimensions are in inches.

Thread Size (1)	Part Number (2)	Grip Range (1)	Open					Closed					Hole Size In Sheet +.006 -.000	
			A ±.015	B ±.015	C Nom.	ØD Max.	M Ref.	A ±.015	B ±.015	C Nom.	ØD Max.	K Min.		M Max.
#6-32	AELS8-632-80	.020 - .080	.420	.390	.030	.265	.305	.740	.390	.030	.265	.43	.640	.266
#6-32	AELS8-632-130	.080 - .130	.470	.390	.030	.265	.305	.740	.390	.030	.265	.43	.580	.266
#8-32	AELS8-832-80	.020 - .080	.420	.390	.030	.265	.305	.740	.390	.030	.265	.43	.640	.266
#8-32	AELS8-832-130	.080 - .130	.470	.390	.030	.265	.305	.740	.390	.030	.265	.43	.580	.266
#10-32	AELS8-1032-130	.020 - .130	.475	.415	.030	.296	.315	.990	.415	.030	.296	.58	.845	.297
#10-32	AELS8-1032-225	.130 - .225	.585	.415	.030	.296	.315	.990	.415	.030	.296	.58	.735	.297
1/4-20	AELS8-420-165	.027 - .165	.580	.500	.030	.390	.380	1.190	.500	.030	.390	.70	1.005	.391
1/4-20	AELS8-420-260	.165 - .260	.680	.500	.030	.390	.380	1.190	.500	.030	.390	.70	.905	.391
5/16-18	AELS8-518-150	.027 - .150	.690	.685	.035	.530	.470	1.390	.685	.035	.530	.82	1.175	.531
5/16-18	AELS8-518-312	.150 - .312	.805	.685	.035	.530	.425	1.390	.685	.035	.530	.82	1.025	.531
3/8-16	AELS8-616-150	.027 - .150	.690	.685	.035	.530	.470	1.390	.685	.035	.530	.83	1.175	.531
3/8-16	AELS8-616-312	.150 - .312	.805	.685	.035	.530	.425	1.390	.685	.035	.530	.83	1.025	.531
1/2-13	AELS8-813-200	.063 - .200	1.150	.865	.047	.685	.850	—	—	—	—	—	—	.688
1/2-13	AELS8-813-350	.200 - .350	1.300	.865	.047	.685	.850	—	—	—	—	—	—	.688
1/2-13	AELS8-813-500	.350 - .500	1.450	.865	.047	.685	.850	—	—	—	—	—	—	.688

All dimensions are in millimeters.

Thread Size x Pitch (1)	Part Number (2)	Grip Range (1)	Open					Closed					Hole Size In Sheet +0.15	
			A ±0.38	B ±0.38	C Nom.	ØD Max.	M Ref.	A ±0.38	B ±0.38	C Nom.	ØD Max.	K Min.		M Max.
M4 x 0.7	AELS8-470-2.0	0.5 - 2	10.67	9.91	0.76	6.73	7.75	18.8	9.91	0.76	6.73	11.6	16.26	6.75
M4 x 0.7	AELS8-470-3.3	2 - 3.3	11.94	9.91	0.76	6.73	7.75	18.8	9.91	0.76	6.73	11.6	14.73	6.75
M5 x 0.8	AELS8-580-3.3	0.5 - 3.3	12.07	10.54	0.76	7.52	8	25.15	10.54	0.76	7.52	15.6	21.46	7.6
M5 x 0.8	AELS8-580-5.7	3.3 - 5.7	14.86	10.54	0.76	7.52	8	25.15	10.54	0.76	7.52	15.6	18.67	7.6
M6 x 1	AELS8-610-4.2	0.7 - 4.2	14.73	12.7	0.76	9.91	9.65	30.23	12.7	0.76	9.91	17.5	25.53	10
M6 x 1	AELS8-610-6.6	4.2 - 6.6	17.27	12.7	0.76	9.91	9.65	30.23	12.7	0.76	9.91	17.5	22.99	10
M8 x 1.25	AELS8-8125-3.8	0.7 - 3.8	17.53	17.4	0.89	13.46	11.94	35.31	17.4	0.89	13.46	20.2	29.85	13.5
M8 x 1.25	AELS8-8125-7.9	3.8 - 7.9	20.45	17.4	0.89	13.46	10.8	35.31	17.4	0.89	13.46	20.2	26.04	13.5
M10 x 1.5	AELS8-1015-3.8	0.7 - 3.8	17.53	17.4	0.89	13.46	11.94	35.31	17.4	0.89	13.46	20.8	29.85	13.5
M10 x 1.5	AELS8-1015-7.9	3.8 - 7.9	20.45	17.4	0.89	13.46	10.8	35.31	17.4	0.89	13.46	20.8	26.04	13.5

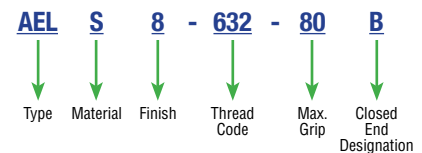
(1) Additional thread sizes and grip ranges available.

(2) For closed end, add a "B" to the end of the part number.

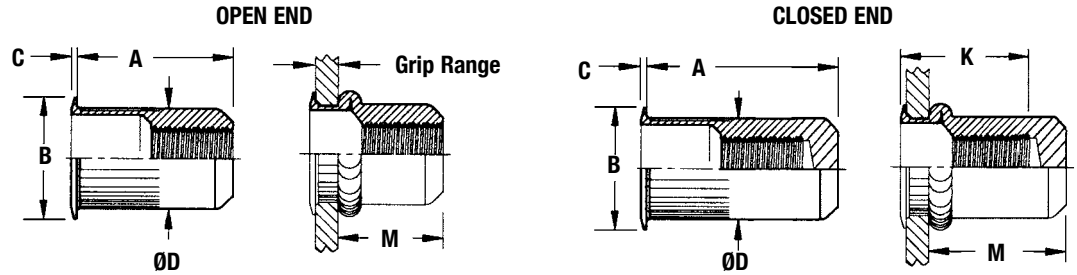
MATERIAL & FINISH SPECIFICATIONS

Type	Threads	Material	Standard Finish
AEL / AEK	Unified, 2B per ASME B1.1 Metric, 6H per ASME B1.13M	Low Carbon Steel, C-1008 or, C-1010 or equivalent	Zinc Yellow Plate per ASTM B 633, Fe/Zn 8, Type II

Part Number Designation



SEE PAGE 34 FOR MORE DETAIL



All dimensions are in inches.

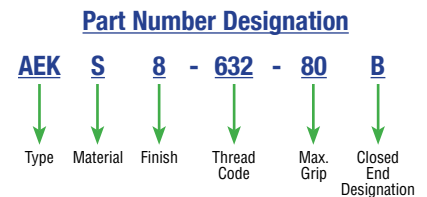
Thread Size (1)	Part Number (2)	Grip Range (1)	Open					Closed					Hole Size In Sheet +.006 -.000	
			A ±.015	B ±.015	C Nom.	ØD Max.	M Ref.	A ±.015	B ±.015	C Nom.	ØD Max.	K Min.		M Max.
#6-32	AEKS8-632-80	.020 - .080	.420	.310	.019	.265	.305	.740	.310	.019	.265	.43	.640	.266
#6-32	AEKS8-632-130	.080 - .130	.470	.310	.019	.265	.305	.740	.310	.019	.265	.43	.580	.266
#8-32	AEKS8-832-80	.020 - .080	.420	.310	.019	.265	.305	.740	.310	.019	.265	.43	.640	.266
#8-32	AEKS8-832-130	.080 - .130	.470	.310	.019	.265	.305	.740	.310	.019	.265	.43	.580	.266
#10-32	AEKS8-1032-130	.020 - .130	.475	.340	.019	.296	.315	.990	.340	.019	.296	.58	.845	.297
#10-32	AEKS8-1032-225	.130 - .225	.585	.340	.019	.296	.315	.990	.340	.019	.296	.58	.735	.297
1/4-20	AEKS8-420-165	.027 - .165	.580	.455	.022	.390	.380	1.190	.455	.022	.390	.70	1.005	.391
1/4-20	AEKS8-420-260	.165 - .260	.680	.455	.022	.390	.380	1.190	.455	.022	.390	.70	.905	.391
5/16-18	AEKS8-518-150	.027 - .150	.690	.595	.022	.530	.470	1.390	.595	.022	.530	.82	1.175	.531
5/16-18	AEKS8-518-312	.150 - .312	.805	.595	.022	.530	.425	1.390	.595	.022	.530	.82	1.025	.531
3/8-16	AEKS8-616-150	.027 - .150	.690	.595	.022	.530	.470	1.390	.595	.022	.530	.83	1.175	.531
3/8-16	AEKS8-616-312	.150 - .312	.805	.595	.022	.530	.425	1.390	.595	.022	.530	.83	1.025	.531

All dimensions are in millimeters.

Thread Size x Pitch (1)	Part Number (2)	Grip Range (1)	Open					Closed					Hole Size In Sheet +0.15	
			A ±0.38	B ±0.38	C Nom.	ØD Max.	M Ref.	A ±0.38	B ±0.38	C Nom.	ØD Max.	K Min.		M Max.
M4 x 0.7	AEKS8-470-2.0	0.5 - 2	10.67	7.87	0.48	6.73	7.75	18.8	7.78	0.48	6.73	11.6	16.26	6.75
M4 x 0.7	AEKS8-470-3.3	2 - 3.3	11.94	7.87	0.48	6.73	7.75	18.8	7.87	0.48	6.73	11.6	14.73	6.75
M5 x 0.8	AEKS8-580-3.3	0.5 - 3.3	12.07	8.64	0.48	7.52	8	25.15	8.64	0.48	7.52	15.6	21.46	7.6
M5 x 0.8	AEKS8-580-5.7	3.3 - 5.7	14.86	8.64	0.48	7.52	8	25.15	8.64	0.48	7.52	15.6	18.67	7.6
M6 x 1	AEKS8-610-4.2	0.7 - 4.2	14.73	11.56	0.55	9.91	9.65	30.23	11.56	0.55	9.91	17.5	25.53	10
M6 x 1	AEKS8-610-6.6	4.2 - 6.6	17.27	11.56	0.55	9.91	9.65	30.23	11.56	0.55	9.91	17.5	22.99	10
M8 x 1.25	AEKS8-8125-3.8	0.7 - 3.8	17.53	15.11	0.55	13.46	11.94	35.31	15.11	0.55	13.46	20.2	29.85	13.5
M8 x 1.25	AEKS8-8125-7.9	3.8 - 7.9	20.45	15.11	0.55	13.46	10.8	35.31	15.11	0.55	13.46	20.2	26.04	13.5
M10 x 1.5	AEKS8-1015-3.8	0.7 - 3.8	17.53	15.11	0.55	13.46	11.94	35.31	15.11	0.55	13.46	20.8	29.85	13.5
M10 x 1.5	AEKS8-1015-7.9	3.8 - 7.9	20.45	15.11	0.55	13.46	10.8	35.31	15.11	0.55	13.46	20.8	26.04	13.5

(1) Additional thread sizes and grip ranges available.
 (2) For closed end, add a "B" to the end of the part number.

ALSO AVAILABLE
 Type AEL and AEK nuts are available in aluminum, brass, and monel. Type AEL is also available in wedge head, or sealed head styles.
 Call for availability.



SEE PAGE 34 FOR MORE DETAIL