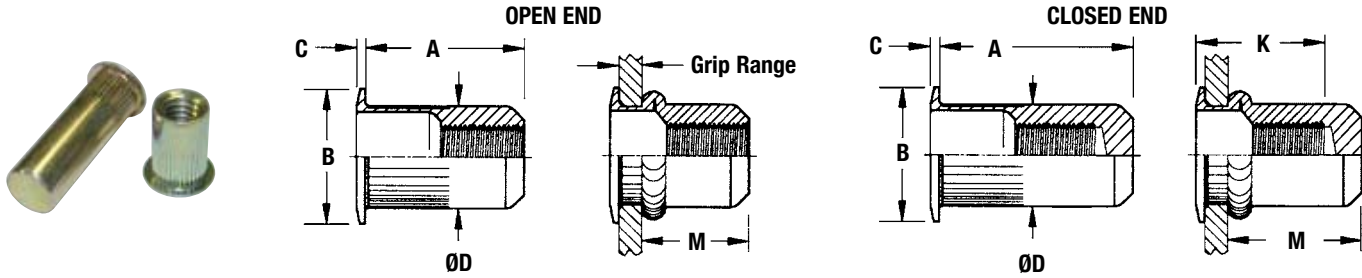


# SpinTite® — LOW-PROFILE HEAD TYPE AEL

- Feature a large diameter, low-profile head and knurled shank.
- Offers highest all around strength.



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 Ref.
#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 Ref.
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.

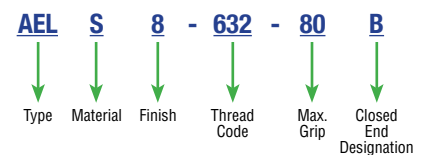
(2) For closed end, add a "B" to the end of the part number.

## MATERIAL & FINISH SPECIFICATIONS

Type	Threads	Standard Material <sup>(3)</sup>	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	RoHS Compliant Zinc Yellow Per ASTM B 633, Fe/Zn 8, Type II Plus Lubricant

(3) Other materials available. See page 34 for details.

### Part Number Designation



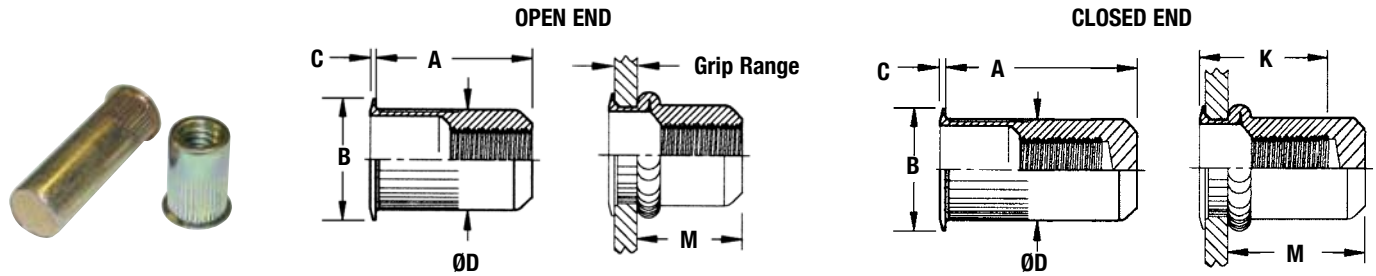
SEE PAGE 34 FOR MORE DETAIL



# SpinTite® — MINIMIZED-PROFILE HEAD TYPE AEK



- Feature a minimized-profile head and knurled shank.
- Allows near-flush installations with no need for special hole preparations such as countersinking or dimpling.



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 Ref.
#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 +.015	
			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 Ref.
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.

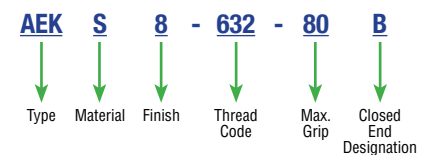
**ALSO AVAILABLE**

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.

Monel® is a registered trademark of Specialty Metals Corporation.

### Part Number Designation



SEE PAGE 34 FOR MORE DETAIL