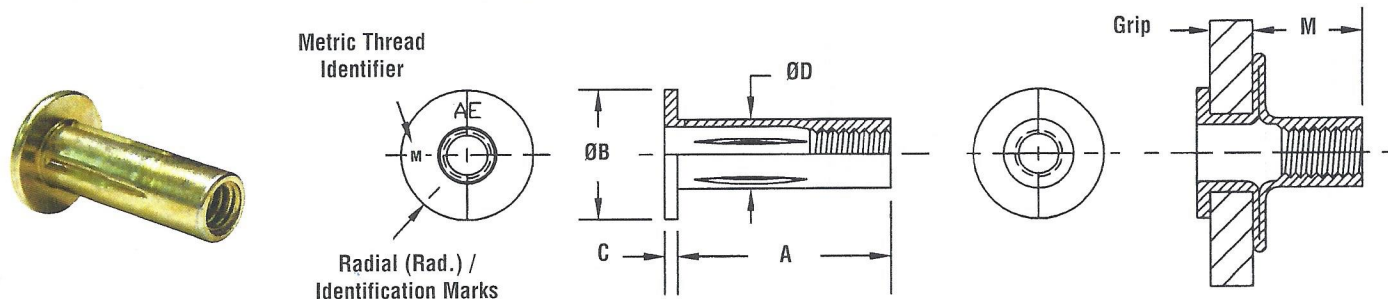




Plus+Tite® — STRAIGHT SHANK INSERT



- Designed for superior pullout resistance in plastics and thin sheet metal.
- Straight shank design uses smaller mounting hole.



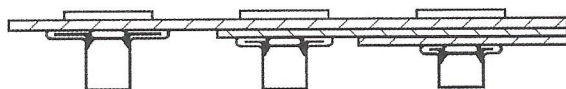
All dimensions are in inches.

Thread Size	Part Number	Grip Range	Identification Mark	A ±.015	ØB Nom.	C Nom.	ØD Max.	M Ref.	Hole Size In Sheet +.006 -.000	Weight lbs./1000
#10-32	AES10P175ZYR	.020 - .175	None	.781	.500	.038	.272	.425	.273	7.93
#10-32	AES10P320ZYR	.175 - .320	1 Rad.	.921	.500	.038	.272	.425	.273	8.79
1/4-20	AES25P280ZYR	.020 - .280	None	1.000	.625	.058	.346	.505	.347	16.21
1/4-20	AES25P500ZYR	.280 - .500	1 Rad.	1.234	.625	.058	.346	.505	.347	18.55
5/16-18	AES31P280ZYR	.020 - .280	None	1.141	.750	.062	.437	.570	.438	28.32
5/16-18	AES31P500ZYR	.280 - .500	1 Rad.	1.375	.750	.062	.437	.570	.438	32.05
3/8-16	AES37P280ZYR	.020 - .280	None	1.218	.875	.088	.514	.605	.515	42.79
3/8-16	AES37P500ZYR	.280 - .500	1 Rad.	1.437	.875	.088	.514	.605	.515	46.82

All dimensions are in millimeters.

Thread Size x Pitch	Part Number	Grip Range	Identification Mark	A ±0.38	ØB Nom.	C Nom.	ØD Max.	M Ref.	Hole Size In Sheet +0.15	Weight kg/1000
M6 x 1	AESM6P7.1ZYR	0.50 - 7.1	None	25.40	15.87	1.5	8.79	12.8	8.8	8.35
M6 x 1	AESM6P12.7ZYR	7.1 - 12.7	1 Rad.	31.32	15.87	1.5	8.79	12.8	8.8	8.36
M8 x 1.25	AESM8P7.1ZYR	0.50 - 7.1	None	28.95	19.04	1.57	11.1	14.47	11.11	13.07
M8 x 1.25	AESM8P12.7ZYR	7.1 - 12.7	1 Rad.	34.90	19.04	1.57	11.1	14.47	11.11	14.6
M10 x 1.5	AESM10P7.1ZYR	0.50 - 7.1	None	30.94	22.23	2.24	13.06	15.75	13.07	18.01
M10 x 1.5	AESM10P12.7ZYR	7.1 - 12.7	1 Rad.	36.50	22.23	2.24	13.06	15.75	13.07	22.01

NOTE: The ATLAS® spin-pull tool is recommended to install straight shank inserts (see tool selector guide on page 49). Material hardness will affect the published grip ranges. Trial installations of this product in your application are recommended. We will be happy to provide samples for this purpose.



Installs into single, variable, or multiple thickness materials.

MATERIAL & FINISH SPECIFICATIONS

Type	Threads	Standard Material ⁽¹⁾	Standard Finish
AES	Unified, 2B per ASME B1.1 Metric, 6H per ASME B1.13M	Low Carbon Steel	RoHS Compliant Zinc Yellow

(1) Other materials and finishes available.

Part Number Designation

