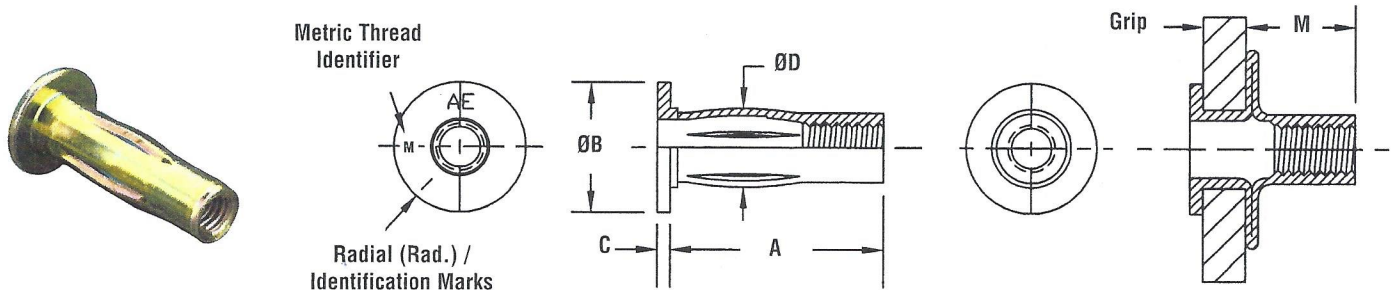




- Designed for superior pullout resistance in plastics and thin sheet metal.
- Pre-bulbed design requires less installation load.



All dimensions are in inches.

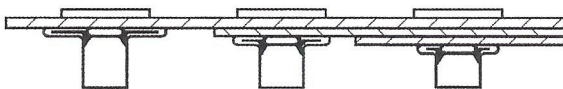
Thread Size	Part Number	Grip Range	Identification Mark	A ±.015	ØB Nom.	C Nom.	ØD Max.	M Ref.	Hole Size In Sheet +.006 -.000	Weight lbs./1000
#10-32	AES10P175PBZYR	.020 - .175	None	.781	.500	.038	.329	.425	.336	5.99
#10-32	AES10P320PBZYR	.175 - .320	1 Rad.	.921	.500	.038	.329	.425	.336	8.74
1/4-20	AES25P280PBZYR	.020 - .280	None	1.000	.625	.057	.384	.520	.390	14.87
1/4-20	AES25P500PBZYR	.280 - .500	1 Rad.	1.235	.625	.057	.384	.520	.390	16.81
5/16-18	AES31P280PBZYR	.020 - .280	None	1.141	.750	.062	.495	.775	.500	17.81
5/16-18	AES31P500PBZYR	.280 - .500	1 Rad.	1.375	.750	.062	.495	.775	.500	20.91
3/8-16	AES37P280PBZYR	.020 - .280	None	1.218	.875	.088	.587	.775	.594	19.21

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	AESM6P7.1PBZYR	0.50 - 7.1	None	25.4	15.88	1.45	9.8	13.2	10	6.78
M6 x 1	AESM6P12.7PBZYR	7.1 - 12.7	1 Rad.	31.34	15.88	1.45	9.8	13.2	10	7.84
M8 x 1.25	AESM8P7.1PBZYR	0.50 - 7.1	None	29.25	19.05	1.57	12.57	19.69	12.7	8.71
M8 x 1.25	AESM8P12.7PBZYR	7.1 - 12.7	1 Rad.	34.93	19.05	1.57	12.57	19.69	12.7	9.6
M10 x 1.5	AESM10P7.1PBZYR	0.50 - 7.1	None	30.94	22.2	2.24	14.91	19.69	15.09	11.15

NOTE: The ATLAS® spin-spin or spin-pull tool can be used to install pre-bulbed 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.

*Pre-bulbed inserts require less installation load than straight shank and require slightly larger mounting hole size.



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

