



FLAT HEAD, LARGE FLANGE BLIND THREADED INSERT

| Thread Size - Ultimate Grip | L | | A | | B | | C | | Hole Size | | Drill Size | GR |
|--------------------------------|-------------|-------|---------------|------|---------------|------|-------------|------|-----------|------|---------------|------------|
| | Body Length | | Body Diameter | | Head Diameter | | Head Height | | Max | Min | | Grip Range |
| | Max | Min | Max | Min | Max | Min | Max | Min | | | | |
| 6-32-.075 | .453 | .423 | .189 | .185 | .325 | .315 | .037 | .027 | .193 | .189 | #12 | .010-.075 |
| 6-32-.120 | .515 | .485 | .189 | .185 | .325 | .315 | .037 | .027 | .193 | .189 | #12 | .075-.120 |
| 6-32-.160 | .515 | .485 | .189 | .185 | .325 | .315 | .037 | .027 | .193 | .189 | #12 | .120-.160 |
| 8-32-.075 | .453 | .423 | .221 | .217 | .357 | .347 | .037 | .027 | .226 | .221 | #2 | .010-.075 |
| 8-32-.120 | .515 | .485 | .221 | .217 | .357 | .347 | .037 | .027 | .226 | .221 | #2 | .075-.120 |
| 8-32-.160 | .515 | .485 | .221 | .217 | .357 | .347 | .037 | .027 | .226 | .221 | #2 | .120-.160 |
| 10-24-.080 | .546 | .516 | .250 | .246 | .406 | .396 | .043 | .033 | .256 | .250 | #E | .010-.080 |
| 10-24-.130 | .609 | .579 | .250 | .246 | .406 | .396 | .043 | .033 | .256 | .250 | #E | .080-.130 |
| 10-24-.180 | .656 | .626 | .250 | .246 | .406 | .396 | .043 | .033 | .256 | .250 | #E | .130-.180 |
| 10-32-.080 | .546 | .516 | .250 | .246 | .406 | .396 | .043 | .033 | .256 | .250 | #E | .010-.080 |
| 10-32-.130 | .609 | .579 | .250 | .246 | .406 | .396 | .043 | .033 | .256 | .250 | #E | .080-.130 |
| 10-32-.180 | .656 | .626 | .250 | .246 | .406 | .396 | .043 | .033 | .256 | .250 | #E | .130-.180 |
| 1/4-20-.080 | .640 | .610 | .332 | .328 | .475 | .465 | .063 | .053 | .338 | .332 | #Q | .020-.080 |
| 1/4-20-.140 | .702 | .672 | .332 | .328 | .475 | .465 | .063 | .053 | .338 | .332 | #Q | .080-.140 |
| 1/4-20-.200 | .765 | .735 | .332 | .328 | .475 | .465 | .063 | .053 | .338 | .332 | #Q | .140-.200 |
| 1/4-20-.260 | .827 | .797 | .332 | .328 | .475 | .465 | .063 | .053 | .338 | .332 | #Q | .200-.260 |
| 5/16-18-.125 | .765 | .735 | .413 | .409 | .665 | .655 | .067 | .057 | .423 | .413 | #Z | .030-.125 |
| 5/16-18-.200 | .890 | .860 | .413 | .409 | .665 | .655 | .067 | .057 | .423 | .413 | #Z | .125-.200 |
| 5/16-18-.275 | .952 | .922 | .413 | .409 | .665 | .655 | .067 | .057 | .423 | .413 | #Z | .200-.275 |
| 3/8-16-.115 | .859 | .829 | .480 | .476 | .781 | .771 | .093 | .083 | .500 | .490 | 12.5mm | .030-.115 |
| 3/8-16-.200 | .953 | .923 | .490 | .486 | .781 | .771 | .093 | .083 | .500 | .490 | 12.5mm | .115-.200 |
| 3/8-16-.285 | 1.046 | 1.016 | .490 | .486 | .781 | .771 | .093 | .083 | .500 | .490 | 12.5mm | .200-.285 |

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| Description | A cylindrical internally threaded fastener, open at both ends with a large flange at one end that can be installed into a prepared hole from the blind side of the ultimate fastening. Insert is threaded onto mandrel of installation tool and positioned into hole. As mandrel is pulled back, the insert is expanded into the base material it is now gripping. Installation is complete when the mandrel of the tool is removed from the set insert. |
| Applications / Advantages | Ease of installation makes blind threaded inserts a low-cost way to provide threaded holes in thin sheet metal. Large flange design enhances push-out strength. |
| Material | Aluminum: 5056 Aluminum or ALMG 3 alloy Steel: 1006 - 1008 low carbon steel |