

Avdel® Euro Hexsert®

The Avdel Hexsert provides a blind threaded insert with a hexagonal body, providing high torque-to-turn **and** pull-out performance, particularly in soft metals. The Hexsert can be used in very thin materials with quick and easy insertion and includes a near flush version.

Key features and benefits

- Hexagonal section and bore improves torque-to-turn by up to 200% in sheet metal compared to round body inserts
- Superior pull-out performance
- Can be used for very thin sheet materials from 0.50mm (0.02")
- Double diameter body and lead-in chamfer provide easy insertion into hole
- Access needed from only one side of the application, for high speed assembly
- Provide a female thread in application
- Can be installed in pre-coated or post painted applications without damaging the surface
- Clamp two or more sheets
- Various platings available to increase corrosion resistance
- Low profile head allows near flush fit to application and clamps two or more sheets of material together, within the grip range
- Large flange head provides a load bearing surface and reinforces the hole to prevent push-out. Can be used as a spacer and can be supplied with an underhead seal.
- Closed end prevents the ingress of dirt and fluids into thread and electrical circuits
- High strength option available for use with metric bolts and screws up to Property Class 12.9
- Can be used with hand tools, pneumatic tools and fully automated machines to suit a wide range of assembly methods



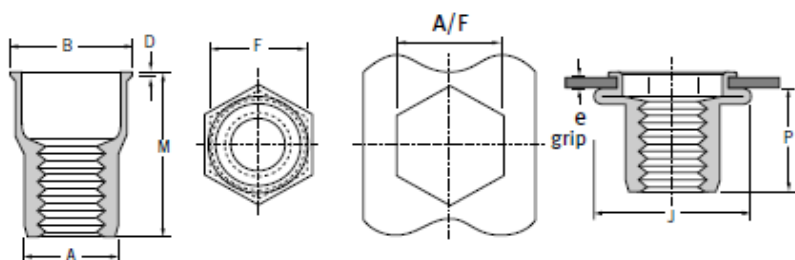
The Avdel Hexsert is available in both low profile and large flange head forms. Available in sizes M3 – M10 and manufactured in steel and stainless steel.

Authorised UK distributors for:

Euro Hexsert® 39101



The Avdel Euro Hexsert is low profile, steel and available in sizes M4 – M10.

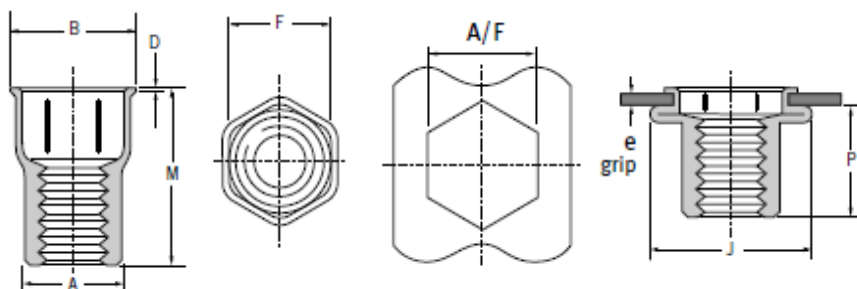


| Ø | A/F +0.1/-0 | e (grip) | | A ± 0.08 | B max. | D ± 0.07 | F ± 0.08 | J max. | M ± 0.50 | P max. | Part No/ref |
|-----------|----------------|----------|------|-------------|-----------|-------------|-------------|-----------|-------------|-----------|-------------|
| | | min. | max. | | | | | | | | |
| M4 x 0.7 | 6.0 | 0.50 | 2.00 | 5.89 | 7.80 | 0.69 | 5.89 | 9.20 | 10.50 | 6.00 | 39101-74020 |
| M5 x 0.8 | 7.0 | 0.50 | 3.00 | 6.89 | 9.10 | 0.77 | 6.89 | 11.20 | 12.70 | 8.60 | 39101-75030 |
| M6 x 1.0 | 9.0 | 0.50 | 3.00 | 8.89 | 11.60 | 0.91 | 8.89 | 13.40 | 15.00 | 10.10 | 39101-76030 |
| M8 x 1.25 | 11.0 | 0.50 | 3.00 | 10.89 | 14.20 | 1.07 | 10.89 | 16.20 | 17.50 | 11.40 | 39101-78030 |
| M10 x 1.5 | 13.0 | 1.00 | 3.50 | 12.89 | 16.40 | 1.07 | 12.89 | 18.50 | 20.20 | 13.20 | 39101-70035 |

Hexsert® 9688



The Avdel 9688 Hexsert is low profile, steel and available in sizes M3 – M8.



| Ø | A/F | | e (grip) | | A max. | B max. | D max. | F max. | J | | M max. | P max. | Part No/ref |
|-----------|-------|-------|----------|------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------|-------------|
| | min. | max. | min. | max. | | | | | min. e | max. e | | | |
| M3 x 0.5 | 4.80 | 4.85 | 0.70 | 1.63 | 4.72 | 6.10 | 0.45 | 4.81 | 6.90 | 6.40 | 9.02 | 5.40 | 09688-70310 |
| M4 x 0.7 | 6.38 | 6.43 | 0.51 | 1.63 | 6.33 | 8.00 | 0.69 | 6.37 | 10.00 | 8.70 | 10.42 | 7.40 | 09688-70413 |
| M5 x 0.8 | 7.32 | 7.37 | 0.51 | 2.03 | 7.14 | 9.22 | 0.72 | 7.26 | 12.20 | 10.70 | 11.82 | 7.20 | 09688-70514 |
| M6 x 1.0 | 9.65 | 9.70 | 0.76 | 2.92 | 9.53 | 11.94 | 0.89 | 9.64 | 15.00 | 12.70 | 14.61 | 9.70 | 09688-70619 |
| M8 x 1.25 | 10.70 | 10.80 | 0.91 | 3.25 | 10.50 | 12.96 | 0.89 | 10.67 | 16.60 | 14.30 | 16.00 | 10.50 | 09688-70821 |

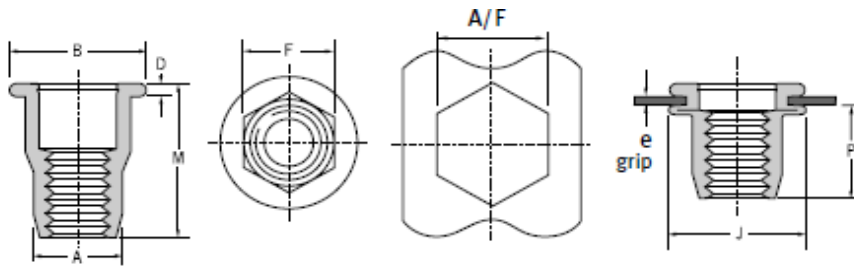
Authorised UK distributors for:



Hexsert® 9498



The Avdel 9688 Hexsert is large flange, steel and available in sizes M4 – M12.

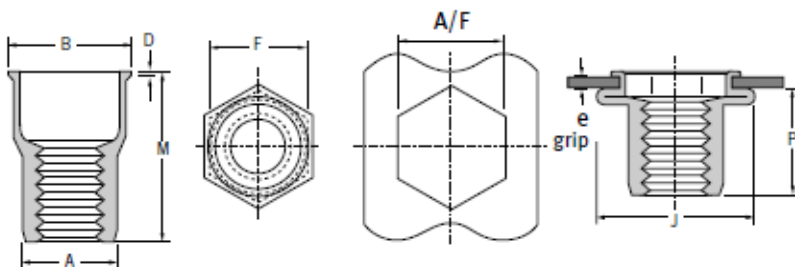


| Ø | A/F rec. | | e (grip) | | A ± 0.08 | B max. | D ± 0.13 | F ± 0.08 | J max. | M ± 0.50 | P max. | Part No/ref |
|------------|----------|-------|----------|------|-------------|-----------|-------------|-------------|-----------|-------------|-----------|-------------|
| | min. | max. | min. | max. | | | | | | | | |
| M4 x 0.7 | 6.00 | 6.10 | 0.50 | 2.00 | 5.89 | 9.17 | 1.00 | 5.89 | 9.20 | 10.00 | 5.00 | 09498-72415 |
| M5 x 0.8 | 7.00 | 7.10 | 0.50 | 3.00 | 6.89 | 10.17 | 1.00 | 6.89 | 11.20 | 13.20 | 6.80 | 09498-72516 |
| | | | 3.00 | 5.50 | | | | | | 15.70 | | 09498-72520 |
| M6 x 1.0 | 9.00 | 9.10 | 0.50 | 3.00 | 8.89 | 13.20 | 1.50 | 8.89 | 13.40 | 15.50 | 10.10 | 09498-72620 |
| M8 x 1.25 | 11.00 | 11.10 | 0.50 | 3.00 | 10.89 | 16.28 | 1.50 | 10.89 | 16.20 | 18.00 | 11.40 | 09498-72823 |
| | | | 3.00 | 5.50 | | | | | | 20.5 | | 09498-72826 |
| M10 x 1.5 | 13.00 | 13.10 | 1.00 | 3.50 | 12.89 | 19.10 | 2.00 | 12.89 | 18.50 | 21.0 | 13.20 | 09498-72026 |
| M12 x 1.75 | 16.00 | 16.10 | 1.50 | 4.50 | 15.89 | 23.30 | 2.25 | 15.89 | 23.60 | 27.8 | 17.00 | 09498-72235 |

Euro Hexsert® 39102



The Avdel Euro Hexsert is low profile, stainless steel and available in size M6.



| Ø | A/F +0.1/-0 | e (grip) | | A ± 0.08 | B max. | D ± 0.13 | F ± 0.08 | J max. | M ± 0.50 | P max. | Part No/ref |
|----------|----------------|----------|------|-------------|-----------|-------------|-------------|-----------|-------------|-----------|-------------|
| | | min. | max. | | | | | | | | |
| M6 x 1.0 | 9.0 | 0.50 | 3.00 | 8.91 | 11.60 | 0.84 | 8.91 | 13.20 | 15.00 | 10.10 | 39102-26030 |
| | | 3.00 | 5.50 | | | | | | 17.50 | | 39102-26055 |

Authorised UK distributors for:

