

## GW304-CHF Large Flange Hexagonal Closed End Threaded Insert

Stainless steel 304 · Large flange · Hexagonal · Closed end  
M4 - M12

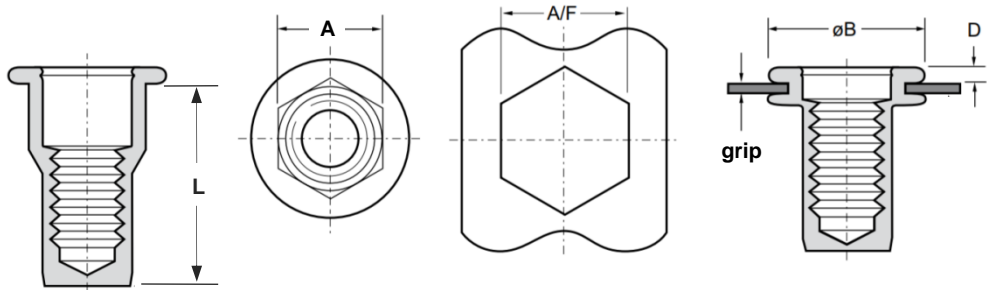
### Features

- Designed to provide load bearing threads in thin sheet materials
- Large flange head provides a load bearing surface and reinforces the hole to prevent push-out
- Hexagonal section and bore improves torque-to-turn in components via form lock when compared to round and splined inserts
- Closed end prevents the ingress of dirt and fluids into thread and electrical circuits



### Material

- Stainless steel 304



Before Placement

After Placement

| Part No.          | Thread Size | Grip Range |      | Hole Size A/F | A    | øB   | D   | L    |
|-------------------|-------------|------------|------|---------------|------|------|-----|------|
|                   |             | min.       | max. |               |      |      |     |      |
| GW304-CHFM4-0520  | M4          | 0.5        | 2.0  | 6.0           | 6.0  | 9.0  | 1.0 | 15.0 |
| GW304-CHFM4-1030  |             | 1.0        | 3.0  |               |      |      |     | 16.0 |
| GW304-CHFM5-0530  | M5          | 0.5        | 3.0  | 7.0           | 7.0  | 10.0 | 1.0 | 17.5 |
| GW304-CHFM5-3050  |             | 3.0        | 5.0  |               |      |      |     | 19.5 |
| GW304-CHFM6-0530  | M6          | 0.5        | 3.0  | 9.0           | 9.0  | 12.0 | 1.5 | 21.5 |
| GW304-CHFM6-3050  |             | 3.0        | 5.0  |               |      |      |     | 23.5 |
| GW304-CHFM8-0530  | M8          | 0.5        | 3.0  | 11.0          | 11.0 | 15.0 | 1.5 | 23.5 |
| GW304-CHFM8-3055  |             | 3.0        | 5.5  |               |      |      |     | 26.0 |
| GW304-CHFM10-0835 | M10         | 0.8        | 3.5  | 13.0          | 13.0 | 17.0 | 1.5 | 28.5 |
| GW304-CHFM10-3560 |             | 3.5        | 6.0  |               |      |      |     | 31.0 |
| GW304-CHFM12-3070 | M12         | 3.0        | 7.0  | 16.0          | 16.0 | 23.0 | 2.0 | 38.5 |

| Thread Size | Max. torque | Pull-out | Torque-to-turn | Shear strength |
|-------------|-------------|----------|----------------|----------------|
|             | Nm max.     | Kn       | Nm             | kN             |
| M4          | > ~7.1      | > ~10.8  | ~6.0           | ~3.7           |
| M5          | ~15.0       | > ~15.5  | > ~9.0         | ~4.8           |
| M6          | > ~23.0     | ~24.5    | > ~22.0        | ~7.2           |
| M8          | > ~64.0     | ~39.0    | ~32.0          | ~9.4           |
| M10         | > ~70.0     | > ~43.0  | > ~50.0        | ~10.2          |
| M12         | > ~130.0    | > ~70.0  | > ~70.0        | ~14.6          |