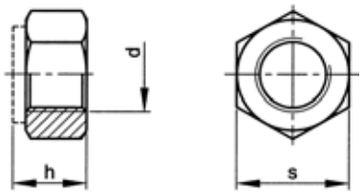
# Prevailing torque type hexagon nut with non-metallic insert




ISO 7040
**DIN 985 (1987)**
NF E25-412



## Technical data

| d | P | h | s |
|---|---|---|---|
| M2,5 | 0,45 | 3,5 | 5 |
| M3 | 0,5 | 4 | 5,5 |
| M4 | 0,7 | 5 | 7 |
| M5 | 0,8 | 5 | 8 |
| M6 | 1 | 6 | 10 |
| M7 | 1 | 7,5 | 11 |
| M8 | 1,25 | 8 | 13 |
| M10 | 1,5 | 10 | 17 |
| M12 | 1,75 | 12 | 19 |
| M14 | 2 | 14 | 22 |

| d | P | h | s |
|---|---|---|---|
| M16 | 2 | 16 | 24 |
| M18 | 2,5 | 18,5 | 27 |
| M20 | 2,5 | 20 | 30 |
| M22 | 2,5 | 22 | 32 |
| M24 | 3 | 24 | 36 |
| M27 | 3 | 27 | 41 |
| M30 | 3,5 | 30 | 46 |
| M33 | 3,5 | 33 | 50 |
| M36 | 4 | 36 | 55 |
| M39 | 4 | 39 | 60 |

| d | P | h | s |
|---|---|---|---|
| M42 | 4,5 | 42 | 65 |
| M45 | 4,5 | 45 | 70 |
| M48 | 5 | 48 | 75 |
| M52 (DIN) | 5 | 52 | 80 |
| M56 (DIN) | 5,5 | 56 | 85 |
| M60 (DIN) | 5,5 | 60 | 90 |
| M64 (DIN) | 6 | 64 | 95 |

## Article groups

| Thread | Driving features | Material | Class | Surface treatment | | Packaging | Code | Page |
|---|---|---|---|---|---|---|---|---|
| M | hexagon | St | ≥\|5\| | Zipl | | Standard | 12300 | 3-48 |
| M | hexagon | St | ≥\|5\| | Zipl | | Large | 12310 | 3-48 |
| M | hexagon | St | ≥\|5\| | Zipl yell.p. | | Standard | 12302 | 3-49 |
| M | hexagon | St | \|6\| | FLZNNC-NC6 | | Standard | 12307 | 3-49 |
| M | hexagon | St | \|8\| | Zipl | | Standard | 12348 | 3-49 |
| M | hexagon | St | \|8\| | Zipl yell.p. | | Standard | 12350 | 3-49 |
| M | hexagon | St | \|10\| | Zipl | | Standard | 12410 | 3-49 |
| M | hexagon | St | \|10\| | Zipl yell.p. | | Standard | 12450 | 3-50 |
| M | hexagon | St.St. A2 | | | METALFORM | Standard | 51729 | 3-50 |
| M | hexagon | St.St. A2 | | | METALFORM | Large | 51728 | 3-50 |
| M | hexagon | St.St. A2 | | | | Standard | 51730 | 3-50 |
| M | hexagon | St.St. A4 | | | | Standard | 55730 | 3-51 |
| M | hexagon | Al Dural | | | | Standard | 45110 | 3-51 |

### 12300 Prevailing torque type hexagon nut with non-metallic insert F06A

**Thread** Metric thread
**Material** Steel
**Class** ≥|5|
**Surface treatment** Zinc plated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M2,5 | 250 | 12300.025.001 | M14 | 100 | 12300.140.001 | M36 | 5 | 12300.360.001 |
| M3 | 250 | 12300.030.001 | M16 | 50 | 12300.160.001 | M39 | 5 | 12300.390.001 |
| M4 | 250 | 12300.040.001 | M18 | 50 | 12300.180.001 | M42 | 5 | 12300.420.001 |
| M5 | 250 | 12300.050.001 | M20 | 25 | 12300.200.001 | M45 | 4 | 12300.450.001 |
| M6 | 250 | 12300.060.001 | M22 | 25 | 12300.220.001 | M48 | 4 | 12300.480.001 |
| M7 | 250 | 12300.070.001 | M24 | 25 | 12300.240.001 | M52 | 1 | 12300.520.001 |
| M8 | 250 | 12300.080.001 | M27 | 10 | 12300.270.001 | M56 | 1 | 12300.560.001 |
| M10 | 200 | 12300.100.001 | M30 | 10 | 12300.300.001 | M60 | 1 | 12300.600.001 |
| M12 | 100 | 12300.120.001 | M33 | 5 | 12300.330.001 | M64 | 1 | 12300.640.001 |

### 12310 Prevailing torque type hexagon nut with non-metallic insert F06A

**Thread** Metric thread
**Material** Steel
**Class** ≥|5|
**Surface treatment** Zinc plated
**Packaging** Large

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M3 | 2500 | 12310.030.001 | M6 | 2500 | 12310.060.001 | M12 | 500 | 12310.120.001 |
| M4 | 2500 | 12310.040.001 | M8 | 2000 | 12310.080.001 | M16 | 250 | 12310.160.001 |
| M5 | 2500 | 12310.050.001 | M10 | 750 | 12310.100.001 | | | |

## 12302 Prevailing torque type hexagon nut with non-metallic insert — F05A

**Thread** Metric thread
**Material** Steel
**Class** ≥|5|
**Surface treatment** Zinc plated yellow passivated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M3 | 250 | 12302.030.001 | M8 | 250 | 12302.080.001 | M18 | 50 | 12302.180.001 |
| M4 | 250 | 12302.040.001 | M10 | 100 | 12302.100.001 | M20 | 25 | 12302.200.001 |
| M5 | 250 | 12302.050.001 | M12 | 100 | 12302.120.001 | M22 | 25 | 12302.220.001 |
| M6 | 250 | 12302.060.001 | M14 | 100 | 12302.140.001 | M24 | 25 | 12302.240.001 |
| M7 | 200 | 12302.070.001 | M16 | 50 | 12302.160.001 | | | |

## 12307 Prevailing torque type hexagon nut with non-metallic insert — A96A

**Thread** Metric thread
**Material** Steel
**Class** |6|
**Surface treatment** Zinc flake Cr6+ free - ISO 10683 flZnnc
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M6 | 250 | 12307.060.001 | M14 | 100 | 12307.140.001 | M22 | 25 | 12307.220.001 |
| M8 | 250 | 12307.080.001 | M16 | 50 | 12307.160.001 | M24 | 25 | 12307.240.001 |
| M10 | 200 | 12307.100.001 | M18 | 50 | 12307.180.001 | M27 | 10 | 12307.270.001 |
| M12 | 100 | 12307.120.001 | M20 | 25 | 12307.200.001 | M30 | 10 | 12307.300.001 |

## 12348 Prevailing torque type hexagon nut with non-metallic insert — F05A

**Thread** Metric thread
**Material** Steel
**Class** |8|
**Surface treatment** Zinc plated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M4 | 250 | 12348.040.001 | M14 | 100 | 12348.140.001 | M27 | 10 | 12348.270.001 |
| M5 | 250 | 12348.050.001 | M16 | 50 | 12348.160.001 | M30 | 10 | 12348.300.001 |
| M6 | 250 | 12348.060.001 | M18 | 50 | 12348.180.001 | M33 | 5 | 12348.330.001 |
| M8 | 250 | 12348.080.001 | M20 | 25 | 12348.200.001 | M36 | 5 | 12348.360.001 |
| M10 | 200 | 12348.100.001 | M22 | 25 | 12348.220.001 | | | |
| M12 | 100 | 12348.120.001 | M24 | 25 | 12348.240.001 | | | |

## 12350 Prevailing torque type hexagon nut with non-metallic insert — F05A

**Thread** Metric thread
**Material** Steel
**Class** |8|
**Surface treatment** Zinc plated yellow passivated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M6 | 250 | 12350.060.001 | M14 | 100 | 12350.140.001 | M27 | 10 | 12350.270.001 |
| M8 | 250 | 12350.080.001 | M16 | 50 | 12350.160.001 | M30 | 10 | 12350.300.001 |
| M10 | 200 | 12350.100.001 | M20 | 25 | 12350.200.001 | | | |
| M12 | 100 | 12350.120.001 | M24 | 25 | 12350.240.001 | | | |

## 12410 Prevailing torque type hexagon nut with non-metallic insert — F05A

**Thread** Metric thread
**Material** Steel
**Class** |10|
**Surface treatment** Zinc plated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M5 | 250 | 12410.050.001 | M12 | 100 | 12410.120.001 | M20 | 25 | 12410.200.001 |
| M6 | 250 | 12410.060.001 | M14 | 100 | 12410.140.001 | M22 | 25 | 12410.220.001 |
| M8 | 250 | 12410.080.001 | M16 | 50 | 12410.160.001 | M24 | 25 | 12410.240.001 |
| M10 | 200 | 12410.100.001 | M18 | 50 | 12410.180.001 | M27 | 10 | 12410.270.001 |

## 12450 Prevailing torque type hexagon nut with non-metallic insert — F05A

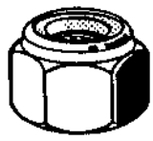
**Thread** Metric thread
**Material** Steel
**Class** |10|
**Surface treatment** Zinc plated yellow passivated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M6 | 250 | 12450.060.001 | M14 | 100 | 12450.140.001 | M27 | 10 | 12450.270.001 |
| M8 | 250 | 12450.080.001 | M16 | 50 | 12450.160.001 | M30 | 10 | 12450.300.001 |
| M10 | 200 | 12450.100.001 | M20 | 25 | 12450.200.001 | | | |
| M12 | 100 | 12450.120.001 | M24 | 25 | 12450.240.001 | | | |

3

## 51729 Prevailing torque type hexagon nut with non-metallic insert, Metalform — R09A

**Thread** Metric thread
**Material** Stainless steel A2
**Packaging** Standard
ISO 10511
**DIN 985 (1987)**
NF E25-412



| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M4 | 100 | 51729.040.001 | M8 | 50 | 51729.080.001 | M16 | 10 | 51729.160.001 |
| M5 | 100 | 51729.050.001 | M10 | 50 | 51729.100.001 | M20 | 10 | 51729.200.001 |
| M6 | 100 | 51729.060.001 | M12 | 25 | 51729.120.001 | | | |

- Special features of METALFORM:
- Is a dry partly visible lubricant which eliminates the possibility of seizure of threaded stainless steel fasteners.
- In addition the friction coefficient is reduced to a more constant value.
- In a bolt/nut combination its sufficient that only the nut is lubricated to prevent seizure with METALFORM.
- Can be removed very easily with a solvent after application, so theres no objection of using this application in the food industry

## 51728 Prevailing torque type hexagon nut with non-metallic insert, Metalform — R09A

**Thread** Metric thread
**Material** Stainless steel A2
**Packaging** Large
ISO 10511
**DIN 985 (1987)**
NF E25-412

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M6 | 1000 | 51728.060.001 | M8 | 500 | 51728.080.001 | M10 | 500 | 51728.100.001 |

- Special features of METALFORM:
- Is a dry partly visible lubricant which eliminates the possibility of seizure of threaded stainless steel fasteners.
- In addition the friction coefficient is reduced to a more constant value.
- In a bolt/nut combination its sufficient that only the nut is lubricated to prevent seizure with METALFORM.
- Can be removed very easily with a solvent after application, so theres no objection of using this application in the food industry

## 51730 Prevailing torque type hexagon nut with non-metallic insert — R09A

**Thread** Metric thread
**Material** Stainless steel A2
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M2,5 | 200 | 51730.025.001 | M8 | 100 | 51730.080.001 | M20 | 20 | 51730.200.001 |
| M3 | 200 | 51730.030.001 | M10 | 100 | 51730.100.001 | M24 | 10 | 51730.240.001 |
| M4 | 200 | 51730.040.001 | M12 | 50 | 51730.120.001 | M27 | 5 | 51730.270.001 |
| M5 | 200 | 51730.050.001 | M14 | 50 | 51730.140.001 | M30 | 5 | 51730.300.001 |
| M6 | 200 | 51730.060.001 | M16 | 20 | 51730.160.001 | | | |

- Stainless steel prevailing torque type hexagon nuts with plastic insert can cause seizing of the bolt thread resulting in fracture.
- It is recommended to use METALFORM stainless steel prevailing torque type hexagon nuts with plastic insert (51729 and 51728) or Molykote P-37 (90710.000.500) or Loctite 8009 (90008.009.454) anti-seize and lubricating compound.

## 55730 Prevailing torque type hexagon nut with non-metallic insert — R49A

**Thread** Metric thread
**Material** Stainless steel A4
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M3 | 200 | 55730.030.001 | M10 | 100 | 55730.100.001 | M24 | 10 | 55730.240.001 |
| M4 | 200 | 55730.040.001 | M12 | 50 | 55730.120.001 | M27 | 5 | 55730.270.001 |
| M5 | 200 | 55730.050.001 | M14 | 50 | 55730.140.001 | M30 | 5 | 55730.300.001 |
| M6 | 200 | 55730.060.001 | M16 | 20 | 55730.160.001 | | | |
| M8 | 100 | 55730.080.001 | M20 | 20 | 55730.200.001 | | | |

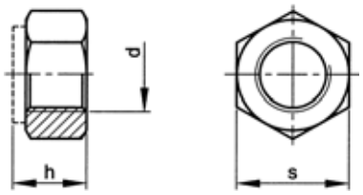
- Stainless steel prevailing torque type hexagon nuts with plastic insert can cause seizing of the bolt thread resulting in fracture.
- It is recommended to use METALFORM stainless steel prevailing torque type hexagon nuts with plastic insert (51729 and 51728) or Molykote P-37 (90710.000.500) or Loctite 8009 (90008.009.454) anti-seize and lubricating compound.

## 45110 Prevailing torque type hexagon nut with non-metallic insert — W010

**Thread** Metric thread
**Material** Aluminium Dural
**Packaging** Standard
ISO ≈7040
**DIN ≈985 (1987)**
NF ≈E25-412

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M3 | 200 | 45110.030.001 | M6 | 200 | 45110.060.001 | M12 | 50 | 45110.120.001 |
| M4 | 200 | 45110.040.001 | M8 | 100 | 45110.080.001 | M16 | 20 | 45110.160.001 |
| M5 | 200 | 45110.050.001 | M10 | 100 | 45110.100.001 | | | |

# Prevailing torque type hexagon nut with non-metallic insert MF




ISO 10512
**DIN 985 (1987)**
NF E25-412

## Technical data

3

| d | h | s |
|---|---|---|
| M8 | 8 | 13 |
| M10 | 10 | 17 |
| M12 | 12 | 19 |
| M14 | 14 | 22 |
| M16 | 16 | 24 |
| M18 | 18,5 | 27 |

| d | h | s |
|---|---|---|
| M20 | 20 | 30 |
| M22 | 22 | 32 |
| M24 | 24 | 36 |
| M27 | 27 | 41 |
| M30 | 30 | 46 |
| M33 | 33 | 50 |

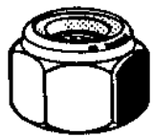
| d | h | s |
|---|---|---|
| M36 | 36 | 55 |
| M39 | 39 | 60 |
| M42 | 42 | 65 |
| M45 | 45 | 70 |
| M48 | 48 | 75 |

## Article groups

| Thread | Driving features | Material | Class | Surface treatment | Packaging | Code | Page |
|---|---|---|---|---|---|---|---|
| MF | hexagon | St | ≥\|5\| | Zipl | Standard | 12320 | 3-52 |
| MF | hexagon | St | \|8\| | Zipl yell.p. | Standard | 12352 | 3-52 |
| MF | hexagon | St | \|10\| | Zipl yell.p. | Standard | 12422 | 3-53 |

### 12320 Prevailing torque type hexagon nut with non-metallic insert MF — F05A

**Thread** Metric fine thread
**Material** Steel
**Class** ≥|5|
**Surface treatment** Zinc plated
**Packaging** Standard



| d x P | ✉ | Art.number |
|---|---|---|
| M8X1,00 | 250 | 12320.080.100 |
| M10X1,00 | 200 | 12320.100.100 |
| M10X1,25 | 200 | 12320.100.125 |
| M12X1,00 (≠DIN) | 100 | 12320.120.100 |
| M12X1,25 | 100 | 12320.120.125 |
| M12X1,50 | 100 | 12320.120.150 |
| M14X1,50 | 100 | 12320.140.150 |
| M16X1,50 | 50 | 12320.160.150 |
| M18X1,50 | 50 | 12320.180.150 |
| M20X1,50 | 25 | 12320.200.150 |
| M20X2,00 | 25 | 12320.200.200 |

| d x P | ✉ | Art.number |
|---|---|---|
| M22X1,50 | 25 | 12320.220.150 |
| M24X1,50 (≠DIN) | 25 | 12320.240.150 |
| M24X2,00 | 25 | 12320.240.200 |
| M27X1,50 (≠DIN) | 10 | 12320.270.150 |
| M27X2,00 | 10 | 12320.270.200 |
| M30X1,50 (≠DIN) | 10 | 12320.300.150 |
| M30X2,00 | 10 | 12320.300.200 |
| M33X1,50 (≠DIN) | 5 | 12320.330.150 |
| M33X2,00 | 5 | 12320.330.200 |
| M36X1,50 (≠DIN) | 5 | 12320.360.150 |

| d x P | ✉ | Art.number |
|---|---|---|
| M36X3,00 | 5 | 12320.360.300 |
| M39X3,00 | 5 | 12320.390.300 |
| M42X1,50 (≠DIN) | 5 | 12320.420.150 |
| M42X3,00 | 5 | 12320.420.300 |
| M45X3,00 | 4 | 12320.450.300 |
| M48X1,50 (≠DIN) | 4 | 12320.480.150 |
| M48X3,00 | 4 | 12320.480.300 |

### 12352 Prevailing torque type hexagon nut with non-metallic insert MF — F05A

**Thread** Metric fine thread
**Material** Steel
**Class** |8|
**Surface treatment** Zinc plated yellow passivated
**Packaging** Standard

| d x P | ✉ | Art.number |
|---|---|---|
| M10X1,00 | 200 | 12352.100.100 |
| M10X1,25 | 200 | 12352.100.125 |
| M12X1,25 | 100 | 12352.120.125 |

| d x P | ✉ | Art.number |
|---|---|---|
| M12X1,50 | 100 | 12352.120.150 |
| M14X1,50 | 100 | 12352.140.150 |
| M16X1,50 | 50 | 12352.160.150 |

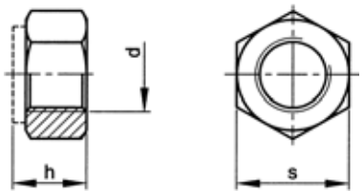
| d x P | ✉ | Art.number |
|---|---|---|
| M20X1,50 | 25 | 12352.200.150 |
| M24X2,00 | 25 | 12352.240.200 |

## 12422 Prevailing torque type hexagon nut with non-metallic insert MF — F05A

**Thread** Metric fine thread
**Material** Steel
**Class** |10|
**Surface treatment** Zinc plated yellow passivated
**Packaging** Standard

| d x P | ✉ | Art.number | d x P | ✉ | Art.number | d x P | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M8X1,00 | 250 | 12422.080.100 | M14X1,50 | 100 | 12422.140.150 | M20X1,50 | 25 | 12422.200.150 |
| M10X1,00 | 200 | 12422.100.100 | M16X1,50 | 50 | 12422.160.150 | M24X1,50 | 25 | 12422.240.150 |
| M12X1,50 | 100 | 12422.120.150 | M18X1,50 | 50 | 12422.180.150 | | | |

# Prevailing torque type hexagon nut with non-metallic insert high type




ISO 7040
**DIN 982**
NF E25-409



## Technical data

| d | P | h | s |
|---|---|---|---|
| M5 | 0,8 | 6,3 | 8 |
| M6 | 1 | 8 | 10 |
| M8 | 1,25 | 9,5 | 13 |
| M10 | 1,5 | 11,5 | 17 |

| d | P | h | s |
|---|---|---|---|
| M12 | 1,75 | 14 | 19 |
| M14 | 2 | 16 | 22 |
| M16 | 2 | 18 | 24 |
| M18 | 2,5 | 20 | 27 |

| d | P | h | s |
|---|---|---|---|
| M20 | 2,5 | 22 | 30 |
| M22 | 2,5 | 25 | 32 |
| M24 | 3 | 28 | 36 |

## Article groups

| Thread | Driving features | Material | Class | Surface treatment | Packaging | Code | Page |
|---|---|---|---|---|---|---|---|
| M | hexagon | St | 8 | Zipl | Standard | 12600 | 3-54 |
| M | hexagon | St | 10 | Zipl yell.p. | Standard | 12662 | 3-54 |
| M | hexagon | St.St. A4 | | | Standard | 55718 | 3-54 |

### 12600 Prevailing torque type hexagon nut with non-metallic insert high type — F05A

**Thread** Metric thread
**Material** Steel
**Class** 8
**Surface treatment** Zinc plated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M5 | 250 | 12600.050.001 | M12 | 100 | 12600.120.001 | M20 | 25 | 12600.200.001 |
| M6 | 250 | 12600.060.001 | M14 | 100 | 12600.140.001 | M22 | 25 | 12600.220.001 |
| M8 | 250 | 12600.080.001 | M16 | 50 | 12600.160.001 | M24 | 25 | 12600.240.001 |
| M10 | 200 | 12600.100.001 | M18 | 50 | 12600.180.001 | | | |

### 12662 Prevailing torque type hexagon nut with non-metallic insert high type — F05A

**Thread** Metric thread
**Material** Steel
**Class** 10
**Surface treatment** Zinc plated yellow passivated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M6 | 250 | 12662.060.001 | M12 | 100 | 12662.120.001 | M20 | 25 | 12662.200.001 |
| M8 | 250 | 12662.080.001 | M14 | 100 | 12662.140.001 | M24 | 25 | 12662.240.001 |
| M10 | 200 | 12662.100.001 | M16 | 50 | 12662.160.001 | | | |

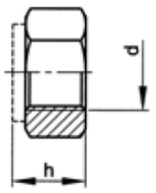
### 55718 Prevailing torque type hexagon nut with non-metallic insert high type — R49A

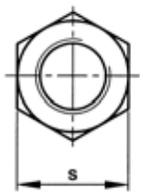
**Thread** Metric thread
**Material** Stainless steel A4
**Packaging** Standard
ISO ≈7040
**DIN ≈982**
NF ≈E25-409

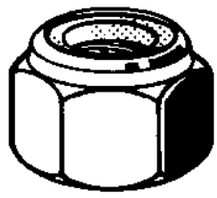
| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| M5 * | 200 | 55718.050.001 | M10 | 50 | 55718.100.001 | M16 | 10 | 55718.160.001 |
| M6 | 100 | 55718.060.001 | M12 | 25 | 55718.120.001 | M20 | 10 | 55718.200.001 |
| M8 | 50 | 55718.080.001 | M14 | 25 | 55718.140.001 | M24 | 5 | 55718.240.001 |

- Stainless steel prevailing torque type hexagon nuts with plastic insert can cause seizing of the bolt thread resulting in fracture.
- It is recommended to use METALFORM stainless steel prevailing torque type hexagon nuts with plastic insert (51729 and 51728) or Molykote P-37 (90710.000.500) or Loctite 8009 (90008.009.454) anti-seize and lubricating compound.

# Prevailing torque type hexagon nut with non-metallic insert UNC



## Technical data

| d | Threads per inch | h | s |
|---|---|---|---|
| No.8 | 32 | 5,6 | 11/32 |
| No.10 | 24 | 6 | 3/8 |
| 1/4 | 20 | 8,3 | 7/16 |
| 5/16 | 18 | 9,1 | 1/2 |
| 3/8 | 16 | 11,9 | 9/16 |
| 7/16 | 14 | 11,9 | 11/16 |
| 1/2 | 13 | 15,5 | 3/4 |
| 9/16 | 12 | 16,7 | 7/8 |
| 5/8 | 11 | 19,4 | 15/16 |
| 3/4 | 10 | 22,6 | 1.1/8 |
| 7/8 | 9 | 25,3 | 1.5/16 |
| 1.IN. | 8 | 27,6 | 1.1/2 |
| 1.1/4 | 7 | 34,2 | 1.7/8 |
| 1.1/2 | 6 | 40,7 | 2.1/4 |

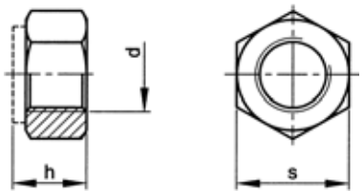
- These prevailing torque type hexagon nuts are not standardised.
- Depending on availability the dimensions may deviate.

**12380 Prevailing torque type hexagon nut with non-metallic insert UNC** **X09A**

**Thread** Unified National Coarse
**Material** Steel
**Class** ≥6
**Surface treatment** Zinc plated
**Packaging** Standard

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| No.8 | 100 | 12380.041.001 | 7/16 | 100 | 12380.111.001 | 7/8 | 25 | 12380.222.001 |
| No.10 | 100 | 12380.048.001 | 1/2 | 100 | 12380.127.001 | 1.IN. | 10 | 12380.254.001 |
| 1/4 | 100 | 12380.063.001 | 9/16 | 50 | 12380.142.001 | 1.1/4 | 5 | 12380.317.001 |
| 5/16 | 100 | 12380.079.001 | 5/8 | 50 | 12380.158.001 | 1.1/2 | 5 | 12380.381.001 |
| 3/8 | 100 | 12380.096.001 | 3/4 | 50 | 12380.191.001 | | | |

# Prevailing torque type hexagon nut with non-metallic insert UNF




## Technical data

3

| d | Threads per inch | h | s |
|---|---|---|---|
| 1/4 | 28 | 8,3 | 7/16 |
| 5/16 | 24 | 9,1 | 1/2 |
| 3/8 | 24 | 11,9 | 9/16 |
| 7/16 | 20 | 11,9 | 11/16 |
| 1/2 | 20 | 15,5 | 3/4 |
| 9/16 | 18 | 16,7 | 7/8 |
| 5/8 | 18 | 19,4 | 15/16 |
| 3/4 | 16 | 22,6 | 1.1/8 |
| 7/8 | 14 | 25,3 | 1.5/16 |
| 1.IN.-12G | 12 | 27,6 | 1.1/2 |
| 1.IN.-14G | 14 | 27,6 | 1.1/2 |
| 1.1/4 | 12 | 34,2 | 1.7/8 |
| 1.1/2 | 12 | 40,7 | 2.1/4 |

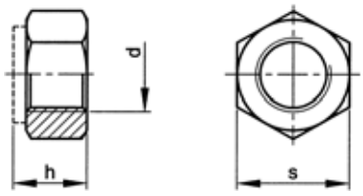
- These prevailing torque type hexagon nuts are not standardised. Depending on availability the dimensions may deviate.
- If when ordering, UNF 1 inch-12 is not stated, then we supply the type with 14 threads per inch (UNS).

**12370 Prevailing torque type hexagon nut with non-metallic insert UNF** **X09A**

| | |
|---|---|
| **Thread** | Unified National Fine |
| **Material** | Steel |
| **Class** | ≥6 |
| **Surface treatment** | Zinc plated |
| **Packaging** | Standard |

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| 1/4 | 100 | 12370.063.001 | 9/16 | 50 | 12370.142.001 | 1-14G | 10 | 12370.256.001 |
| 5/16 | 100 | 12370.079.001 | 5/8 | 50 | 12370.158.001 | 1.1/4 | 5 | 12370.317.001 |
| 3/8 | 100 | 12370.096.001 | 3/4 | 50 | 12370.191.001 | 1.1/2 | 5 | 12370.381.001 |
| 7/16 | 100 | 12370.111.001 | 7/8 | 25 | 12370.222.001 | | | |
| 1/2 | 100 | 12370.127.001 | 1-12G | 10 | 12370.255.001 | | | |

# Prevailing torque type hexagon nut with non-metallic insert BSF




## Technical data

| d | Threads per inch | h | s |
|---|---|---|---|
| 1/4 | 26 | 8,3 | 7/16 |
| 5/16 | 22 | 9,1 | 1/2 |
| 3/8 | 20 | 11,9 | 9/16 |
| 7/16 | 18 | 11,9 | 11/16 |
| 1/2 | 16 | 15,5 | 3/4 |
| 9/16 | 16 | 16,7 | 7/8 |
| 5/8 | 14 | 19,4 | 15/16 |
| 3/4 | 12 | 22,6 | 1.1/8 |

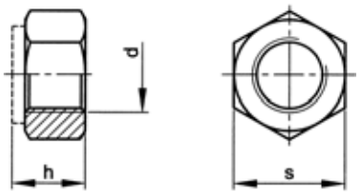
- These prevailing torque type hexagon nuts are not standardised. Depending on availability the dimensions may deviate.
- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).

**12400** **Prevailing torque type hexagon nut with non-metallic insert BSF** **X90A**

| | |
|---|---|
| **Thread** | British Standard Fine |
| **Material** | Steel |
| **Class** | 6 |
| **Surface treatment** | Zinc plated |
| **Packaging** | Standard |

| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| 1/4 | 100 | 12400.063.001 | 7/16 | 100 | 12400.111.001 | 5/8 | 25 | 12400.158.001 |
| 5/16 | 100 | 12400.079.001 | 1/2 | 50 | 12400.127.001 | 3/4 | 25 | 12400.191.001 |
| 3/8 | 100 | 12400.096.001 | 9/16 | 50 | 12400.142.001 | | | |

# Prevailing torque type hexagon nut with non-metallic insert BSW




## Technical data

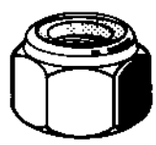
3

| d | Threads per inch | h | s |
|---|---|---|---|
| 1/4 | 20 | 8,3 | 7/16 |
| 5/16 | 18 | 9,1 | 1/2 |
| 3/8 | 16 | 11,9 | 9/16 |
| 1/2 | 12 | 15,5 | 3/4 |
| 5/8 | 11 | 19,4 | 15/16 |
| 3/4 | 10 | 22,6 | 1.1/8 |
| 7/8 | 9 | 25,3 | 1.5/16 |
| 1.IN. | 8 | 27,6 | 1.1/2 |
| 1.1/4 | 7 | 36,1 | 1.13/16 |

- These prevailing torque type hexagon nuts are not standardised. Depending on availability the dimensions may deviate.
- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).

**12340 Prevailing torque type hexagon nut with non-metallic insert BSW** **X08A**

| | |
|---|---|
| **Thread** | British Standard Whitworth |
| **Material** | Steel |
| **Class** | 6 |
| **Surface treatment** | Zinc plated |
| **Packaging** | Standard |



| d | ✉ | Art.number | d | ✉ | Art.number | d | ✉ | Art.number |
|---|---|---|---|---|---|---|---|---|
| 1/4 | 100 | 12340.063.001 | 1/2 | 50 | 12340.127.001 | 7/8 | 10 | 12340.222.001 |
| 5/16 | 100 | 12340.079.001 | 5/8 | 25 | 12340.158.001 | 1.IN. | 10 | 12340.254.001 |
| 3/8 | 100 | 12340.096.001 | 3/4 | 25 | 12340.191.001 | | | |