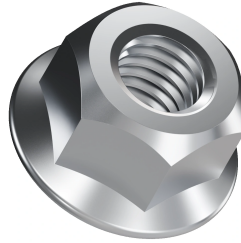


## DIN 6927

Prevailing Torque All-Metal Hexagon Flange Nut



|                |                                                                                                                                 |        |                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|
| Standard       | DIN 6927                                                                                                                        |        |                         |
| Product Type   | Prevailing torque type all-metal hexagon nuts with flange, thread sizes M5 to M20 excluding M14, property classes 8, 10 and 12. |        |                         |
| Material       | Stainless Steel, Carbon Steel                                                                                                   |        |                         |
| Property Class | A2-70, A4-80 (ISO 3506-2) · 6, 8, 10 (ISO 898-2)                                                                                |        |                         |
| Surface Finish | Passivated, Plain, Zinc Plated, Dacromet                                                                                        |        |                         |
| Size Range     | M5 - M20                                                                                                                        | Thread | ISO metric coarse pitch |

### BASIS OF SPECIFICATION

WHICH STANDARD GOVERNS WHAT

|                                                     |                    |
|-----------------------------------------------------|--------------------|
| Carbon steel / Alloy steel mechanical properties to | DIN ISO 898 part 2 |
| Stainless steel mechanical properties to            | ISO 3506-2:2020    |
| Dimensions edition                                  | to be agreed       |

### PROPERTY CLASSES

REQUIRED VALUES PER ISO 3506-2

| Class | Governing property                                  | Source     |
|-------|-----------------------------------------------------|------------|
| A2-70 | Proof load - no tensile strength specified for nuts | ISO 3506-2 |
| A4-80 | Proof load - no tensile strength specified for nuts | ISO 3506-2 |

### PROPERTY CLASSES

REQUIRED VALUES PER ISO 898-2

| Class | Governing property                                  | Source    |
|-------|-----------------------------------------------------|-----------|
| 6     | Proof load - no tensile strength specified for nuts | ISO 898-2 |
| 8     | Proof load - no tensile strength specified for nuts | ISO 898-2 |
| 10    | Proof load - no tensile strength specified for nuts | ISO 898-2 |

### DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

| d             | P                 | s (max)                 | e (min)                   | m               | dc                   |
|---------------|-------------------|-------------------------|---------------------------|-----------------|----------------------|
| Diameter - mm | Thread Pitch - mm | Width Across Flats - mm | Width Across Corners - mm | Nut Height - mm | Flange Diameter - mm |
| M5            | 0.8               | 8                       | 8.79                      | 4.7             | 11.8                 |
| M6            | 1                 | 10                      | 11.05                     | 5.7             | 14.2                 |
| M8            | 1.25              | 13                      | 14.38                     | 7.6             | 17.9                 |
| M10           | 1.5               | 15                      | 16.64                     | 9.6             | 21.8                 |
| M12           | 1.75              | 18                      | 20.03                     | 11.6            | 26                   |
| M16           | 2                 | 24                      | 26.75                     | 15.3            | 34.5                 |
| M20           | 2.5               | 30                      | 32.95                     | 18.9            | 42.8                 |

**MARKING**

|                            |                                    |
|----------------------------|------------------------------------|
| Carbon steel / Alloy steel | Head marking to DIN ISO 898 part 2 |
| Stainless steel            | Head marking to ISO 3506-2:2020    |

Marking requirements are set by the material standard named above, not by the product standard. Confirm the ordered property class before production.

**INSPECTION DOCUMENTS WE CAN ISSUE**

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| EN 10204 3.1 material certificate | Can be included when agreed in the order.                       |
| Dimensional inspection report     | Can be provided for the agreed inspection scope.                |
| Certificate of conformity         | Can be issued against the confirmed order requirements.         |
| Mechanical test report            | Available when the required tests are agreed before production. |
| Chemical analysis report          | Available when the material verification scope is agreed.       |
| Coating inspection report         | Can record the coating checks agreed for the order.             |

**REFERENCES & NOTES**

Note: DIN 6927 is a withdrawn legacy standard. No current counterpart is recorded for this product. Confirm the dimensions that matter to your assembly before substituting another standard.