

ESL
HFR NUT
ALL METALS – UNC / UNF

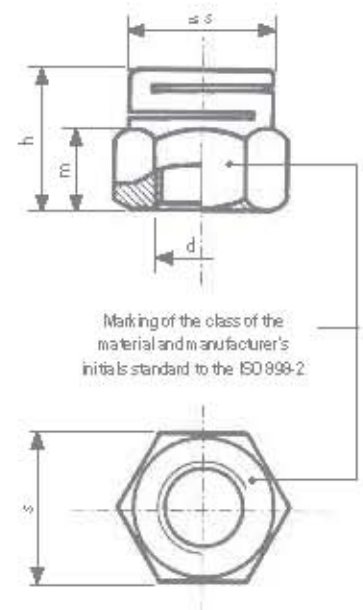
Definition: all metals reusable slotted self-locking hexagon nut standard to the NFE 25 411 and SNCF ST 001-002 FPN6

Threading: series UNC / UNF ANSI B1.1 and BS 1580 - BSF / BSW on request

Characteristic and performance test: for steel ISO 898-2 / ISO 2320
for stainless steel ISO 3506-2 / NFE 25035



| d / Inches | d / mm | pitch / UNC | pitch / UNF | s / mm | h / mm | m / mm | Codes |
|------------|--------|-------------|-------------|------------|--------|--------|-------|
| N°8 | 4,16 | 32 | 36 | 8,00 | 5,30 | 2,60 | H |
| N°10 | 4,82 | 24 | 32 | 9,00 | 6,30 | 3,00 | I |
| 1/4 | 6,35 | 20 | 28 | 11,00 | 7,50 | 4,00 | K |
| 5/16 | 7,94 | 18 | 24 | 13,00 | 8,80 | 4,80 | L |
| 3/8 | 9,52 | 16 | 24 | 14,00 | 8,80 | 4,80 | M |
| 7/16 | 11,11 | 14 | 20 | 17,00 | 11,00 | 6,00 | N |
| 1/2 | 12,70 | 13 | 20 | 18,00 | 13,00 | 7,20 | O |
| 9/16 | 14,29 | 12 | 18 | 22,00 | 15,00 | 8,00 | P |
| 5/8 | 15,87 | 11 | 18 | 24,00 | 17,00 | 9,50 | Q |
| 3/4 | 19,05 | 10 | 16 | 28,00 | 21,00 | 12,00 | R |
| 7/8 | 22,22 | 9 | 14 | 33,00 | 22,00 | 12,50 | S |
| 1 | 25,40 | 8 | 12 | 41,00 | 24,00 | 13,50 | T |
| 1 1/4 | 31,75 | 7 | 12 | 46,00 | 29,50 | 16,00 | V |
| 1 1/2 | 38,10 | 6 | 12 | 55,00 | 32,00 | 17,50 | X |
| 1 3/4 | 44,45 | 5 | - | on request | | | Z |
| 2 | 50,80 | 4 | - | 75,00 | 46,00 | 25,50 | Y |



| Quality class | Classification | Range of application |
|---------------------------|----------------|--|
| Class 8 steel / Grade 5 | QV | Self color -50° C +300° C ⁽¹⁾ |
| Class 10 steel / Grade 8 | QK | |
| Class 12 steel / Grade 10 | QL | |
| Stainless steel A2-70 | ZE | Composite atmosphere -200° C +400° C ⁽¹⁾ |
| Stainless steel A4-80 | ZH | |

Others: Brass - Bronze - Light alloy - Titanium ...

⁽¹⁾ Values are only given as indication

| Surface treatment (standard to ROHS requirements) | | | |
|---|------------------------------------|----|------------|
| Electrolytic coating (steel) | Yellow | ZJ | ISO 4042 |
| | White Lanthane ® Finish | ZL | 400 h |
| | White Lanthane ® Finish + Top coat | ZF | 600 h |
| Zinc lamellar (steel) | 600 h to 1000 h salt spray | | on request |
| Antigalling (stainless steel) | Stanal ® 400 | ST | |
| | Sherardisation (NF EN 13811) | SH | |
| Self Color | | BT | |

Example of ordering code

| | Type | Diam X pitch | Class | Protection | |
|----------------|------|--------------|-------|----------------|----|
| classification | ESL | NDOUNC | QV | ZL | 00 |
| | ESL | ø 7/16" UNC | 8 | Zinc Lanthane® | * |

*Standard size