

ESL

HFR NUT

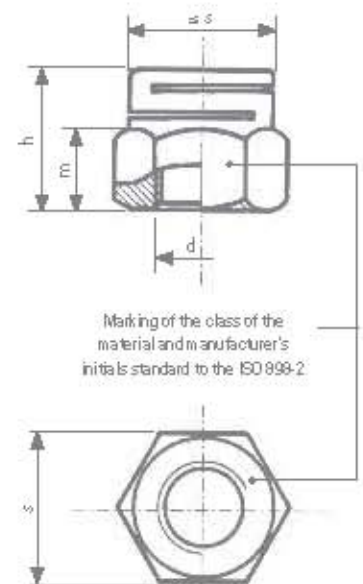
ALL METALS – UNC / UNF – BS STANDARD

Definition: all metals reusable slotted self-locking hexagon nut

Threading: series UNC / UNF ANSI B.1.1 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 / min. | s / max. | h | m | codes |
|------------|--------|-------------|-------------|----------|----------|-------|-------|-------|
| N°1 | 1,854 | 64 | 72 | 6,172 | 6,375 | 5,30 | 2,60 | B |
| N°2 | 2,184 | 56 | 64 | 6,172 | 6,375 | 5,30 | 2,60 | C |
| N°3 | 2,515 | 48 | 56 | 6,172 | 6,375 | 5,30 | 2,60 | D |
| N°4 | 2,845 | 40 | 48 | 6,172 | 6,375 | 5,30 | 2,60 | E |
| N°5 | 3,175 | 40 | 44 | 6,172 | 6,375 | 5,30 | 2,60 | F |
| N°6 | 3,505 | 32 | 40 | 7,747 | 7,950 | 6,30 | 3,00 | G |
| N°8 | 4,166 | 32 | 36 | 8,534 | 8,763 | 6,30 | 3,00 | H |
| N°10 | 4,826 | 24 | 32 | 9,321 | 9,550 | 6,30 | 3,00 | I |
| N°12 | 5,486 | 24 | 28 | 10,871 | 11,125 | 7,50 | 4,50 | J |
| 1/4 | 6,350 | 20 | 28 | 10,871 | 11,125 | 7,50 | 4,50 | K |
| 5/16 | 7,938 | 18 | 24 | 12,420 | 12,700 | 8,80 | 4,80 | L |
| 3/8 | 9,525 | 16 | 24 | 13,995 | 14,274 | 8,80 | 4,80 | M |
| 7/16 | 11,113 | 14 | 20 | 17,145 | 17,475 | 11,00 | 6,00 | N |
| 1/2 | 12,700 | 13 | 20 | 18,694 | 19,050 | 13,00 | 7,20 | O |
| 9/16 | 12,032 | 12 | 18 | 21,869 | 22,225 | 15,00 | 8,00 | P |
| 5/8 | 15,875 | 11 | 18 | 23,418 | 23,825 | 17,00 | 9,50 | Q |
| 3/4 | 19,050 | 10 | 16 | 27,635 | 28,575 | 21,00 | 12,00 | R |
| 7/8 | 22,225 | 9 | 14 | 32,232 | 33,324 | 22,00 | 12,50 | S |
| 1 | 25,400 | 8 | 12 | 36,830 | 38,100 | 24,00 | 13,50 | T |
| 1 1/8 | 28,575 | 7 | 12 | 41,427 | 42,875 | 25,00 | 14,00 | U |
| 1 1/4 | 31,750 | 7 | 12 | 46,024 | 47,701 | 29,50 | 16,00 | V |
| 1 3/8 | 34,925 | 6 | 12 | 50,647 | 52,374 | 32,00 | 17,00 | W |
| 1 1/2 | 38,100 | 6 | 12 | 55,245 | 57,150 | 35,00 | 18,50 | X |



| 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 A4-70 | ZK | |
| 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 | NDDUNC | QV | ZL | 00 |
| version | ESL | ø 7/16" UNC | 8 | Zinc Lanthane® | * |

*Standard size

On request: other materials, plating, sizes, imperial thread