

**Definition:** all metals reusable slotted self-locking hexagon nut standard to the NF E 25-411 and SNCF ST 001-02 FPN6

**Threading:** standard to ISO 965-2

**Characteristic and performance test:** steel ISO 898-2/NF EN ISO 2320

**Manufacturing range:** metric/inch, all diameters, coarse & fine pitch, special heights & A/F upon request

| d     | Pitch | s      | h     | m     | FPN6 |
|-------|-------|--------|-------|-------|------|
| M 2   | 0,40  | 4,00   | 4,50  | 2,30  |      |
| M 2,5 | 0,45  | 5,00   | 4,50  | 2,30  |      |
| M 3   | 0,50  | 5,50   | 4,50  | 2,50  | X    |
| M 4   | 0,70  | 7,00   | 5,30  | 2,60  | X    |
| M 5   | 0,80  | 8,00   | 6,30  | 3,00  | X    |
| M 6   | 1,00  | 10,00  | 7,00  | 3,60  | X    |
| M 7   | 1,00  | 11,00  | 8,10  | 4,80  |      |
| M 8   | 1,25  | 13,00  | 8,80  | 4,80  | X    |
| M 10  | 1,50  | 16,00  | 11,00 | 6,00  | X    |
| M 12  | 1,75  | 18,00  | 13,00 | 7,20  | X    |
| M 14  | 2,00  | 21,00  | 15,00 | 8,40  | X    |
| M 16  | 2,00  | 24,00  | 18,70 | 11,50 | X    |
| M 18  | 2,50  | 27,00  | 20,00 | 11,50 | X    |
| M 20  | 2,50  | 30,00  | 21,00 | 12,00 | X    |
| M 22* | 2,50  | 34,00* | 21,50 | 12,50 | X    |
| M 24  | 3,00  | 36,00  | 25,50 | 15,40 | X    |
| M 27  | 3,00  | 41,00  | 28,00 | 17,00 | X    |
| M 30  | 3,50  | 46,00  | 31,50 | 18,50 | X    |
| M 33  | 3,50  | 50,00  | 32,00 | 18,70 | X    |
| M 36  | 4,00  | 55,00  | 34,50 | 19,50 | X    |
| M 39  | 4,00  | 60,00  | 37,00 | 20,50 | X    |
| M 42  | 4,50  | 65,00  | 39,50 | 23,00 | X    |
| M 45  | 4,50  | 70,00  | 43,00 | 24,00 | X    |
| M 48  | 5,00  | 75,00  | 46,00 | 25,00 | X    |

\*Dimension of the hexagonal non standard

| Quality class  | Classification | Range of application                         |
|----------------|----------------|----------------------------------------------|
| Class 8 steel  | QV             | Self-color<br>-50° C + 300° C <sup>(1)</sup> |
| Class 10 steel | QK             |                                              |
| Class 12 steel | QL             |                                              |

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

<sup>(1)</sup> Values are only given as an indication

| Surface treatment (standard to ROHS requirements) |                                   |    |            |          |
|---------------------------------------------------|-----------------------------------|----|------------|----------|
| Electrolytic coating (steel)                      | Yellow                            | ZJ |            | ISO 4042 |
|                                                   | White LANTHANE® Finish            | ZL |            | ISO 4042 |
|                                                   | White LANTHANE® Finish + Top coat | ZF |            | ISO 4042 |
| Zinc lamellar (steel)                             |                                   |    | on request |          |
| Self Color                                        |                                   | BT |            |          |

| Example of ordering code |      |              |       |                         |    |
|--------------------------|------|--------------|-------|-------------------------|----|
|                          | Type | Diam x pitch | Class | Protection              |    |
| classification           | ESL  | 100150       | QV    | ZF                      | 00 |
| wording                  | ESL  | M10 x 1,50   | 8     | Zinc LANTHANE® Top coat | *  |

\*Standard size

