

## UPD Number

The purpose of the UPD Number (UPD No.) is to provide a quick code that will allow Sales Reps, customers and machinists to get a general idea of the product.

Example = Ti5FBHF10.625-11X3.5P

The first one or two letters of the UPD Number is the Material name from the [Periodic Table](#). Of course many of the Materials are alloys, so the primary element in the material is used for its name. (Ti = Titanium)

The next series of numbers and/or letters is the Grade (5 = grade 5). To see the possible choices, go to the [Product Database Advanced Search](#) page and select the Grade dropdown list.

The following two to four letters designate the Category (FB = fastener, bolt). You may see the Category options on the [Product Database Search](#) page in the Category dropdown list.

Next comes two to four letters, which show the Sub-Category (HF = Hex with flange).

The measurement system follows and it can be an "I" for inches, an "M" for metric, or an "X" for mixed.

Class follows the measurement system designation and is a division below Sub-Category. Class is optional and four letters are the maximum allowed. You can see the Class options on the [Product Database Advanced Search](#) page.

The 1<sup>st</sup> Measurement is next. If the 1<sup>st</sup> Measurement is followed by a dash, it is the major thread diameter with the thread pitch as the Specification after the dash (0.625 = 5/8" major thread diameter). If the 1<sup>st</sup> Measurement is followed by an "X", it is either the diameter (shaft or bore) or the thickness of the product.

Specification is optional and, if it exists, it will be between either the dash or the 1<sup>st</sup> "X" (depending upon which is used in the UPD Number) and the 2<sup>nd</sup> "X". Specification is either pitch or width (11 = 11 threads per inch).

The number after the last "X" is the 2<sup>nd</sup> Measurement which is length (3.5 = 3-1/2").

Finish is the last letter in the UPD Number and can only be one letter (P = polished).

If a number exists after Finish, it is the version number of the product. Version numbers start with "2" because the first version doesn't use a version number.

Additional examples:

Ti5FBHNM10-1.25X60C (A 10 mm in diameter grade 5 titanium metric bolt with a normal hex head and 1.25 thread pitch that is 60 mm long with a colored finish)

|                               |                     |                       |
|-------------------------------|---------------------|-----------------------|
| (Ti=titanium)                 | (5 = grade 5)       | (FB = fastener, bolt) |
| (HN = Hex head, normal style) | (M = metric)        | (10 = 10 mm diameter) |
| (1.25 = Pitch)                | (60 = 60 mm length) | (C = colored)         |

Ti2MRRBIO.5X36M (Rolled Grade 2 titanium ½" round bar 3' long with a mill finish)

|                   |                   |                            |
|-------------------|-------------------|----------------------------|
| (Ti=titanium)     | (2 = grade 2)     | (MR = rolled mill product) |
| (RB = round bar)  | (I = inches)      | (.5 = .1/2" diameter)      |
| (36 = 36" length) | (M = mill finish) |                            |

Ti5PMCNI0.75X1.625X2P (Machined grade 5 titanium normal clevis pin 3/4" in diameter, 2" long with 1.625" grab length with a polished finish)

|                              |                 |                       |
|------------------------------|-----------------|-----------------------|
| (Ti=titanium)                | (5 = grade 5)   | (PM = pin, machined)  |
| (CN = Clevis pin, normal)    | (I = inches)    | (.75 = 3/4" diameter) |
| (1.625 = 1-5/8" grab length) | (2 = 2" length) | (P = polished)        |

Ti2MRPLI.25X48X96M (rolled grade 2 titanium plate 1/4" thick by 4' wide by 8' long with a mill finish)

|                 |                 |                            |
|-----------------|-----------------|----------------------------|
| (Ti=titanium)   | (2 = grade 2)   | (MR = rolled mill product) |
| (PL =)          | (I= inches)     | (.25 = 1/4" thick)         |
| (48 = 48" wide) | (96 = 96" long) | (P = mill finish)          |