

# Hardware

For miniature and industrial switches

Standard hardware is automatically supplied with the switches

Non-standard hardware is presented below

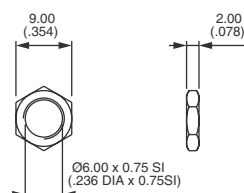


Hardware supplied with sealing options :

- K version : 2 hex nuts + sealing washer
- X408 option : 1 hex nut + 1 O-ring

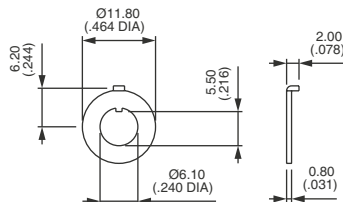
## STANDARD HARDWARE FOR SWITCHES Ø 6 (.236) - ALL SERIES

HEX NUT



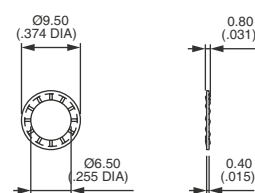
Nickel plated U208  
Black U726

LOCKING RING



Nickel plated U198  
Black U728

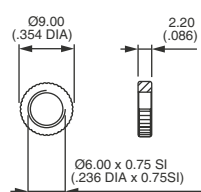
LOCKWASHER



Stainless steel U215

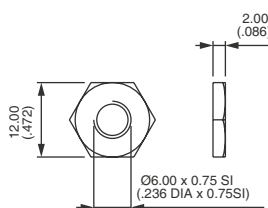
## NON-STANDARD HARDWARE FOR SWITCHES Ø 6 (.236) - 5000 SERIES

KNURLED NUT



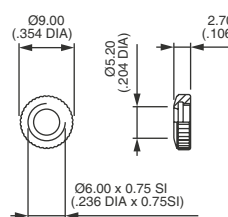
Chrome plated U826

SPECIAL NUT 12 (.472) ACROSS FLATS

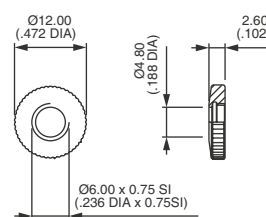


Chrome plated U1916

KNURLED CAP NUTS



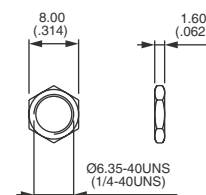
Chrome plated U461  
Black U502



Chrome plated U232

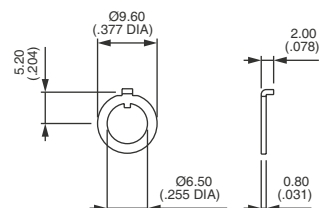
## STANDARD HARDWARE FOR SWITCHES Ø 6.35 (1/4) - ALL SERIES

HEX NUT



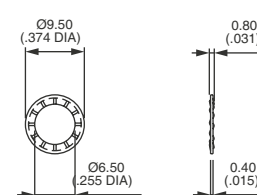
Nickel plated U76  
Black U94

LOCKING RING



Nickel plated U78  
Black U93

LOCKWASHER



Stainless steel U215

| SERIES        | HARDWARE SUPPLIED<br>(UNSEALED TYPES) |              |            |
|---------------|---------------------------------------|--------------|------------|
|               | HEX NUT                               | LOCKING RING | LOCKWASHER |
| SF            | 2                                     | 1            | 1          |
| 11000         | 2                                     | 1            | 1          |
| 13000         | 2                                     | 1            | 1          |
| 18000-8000-SP | 2                                     | 1            | 1          |
| 21000N        | 2                                     | -            | -          |
| 5000          | 2                                     | 1            | 1          |
| 9400-9600     | 2                                     | -            | 1          |

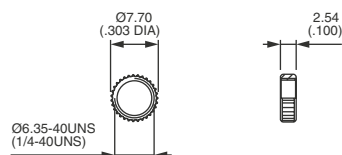
The company reserves the right to change specifications without notice.

# Hardware

For miniature and industrial switches

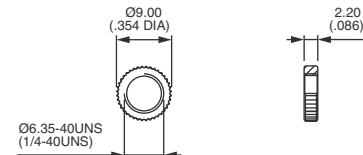
## NON-STANDARD HARDWARE FOR SWITCHES Ø 6.35 (1/4) - ALL SERIES

KNURLED NUT



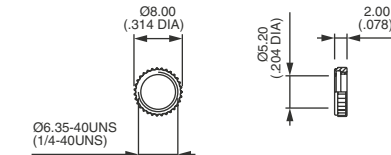
Nickel plated **U369**

KNURLED NUT



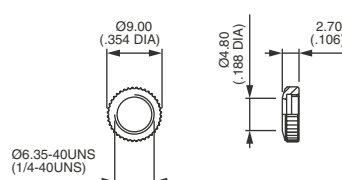
Nickel plated **U229**  
Black **U230**

KNURLED NUT



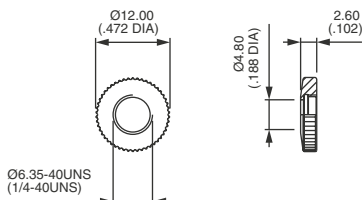
Chrome plated **U501**

KNURLED CAP NUT



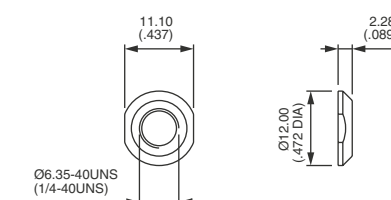
Chrome plated **U216 \***  
Black **U218**

KNURLED CAP NUT



Chrome plated **U268 \***  
Black **U725**

DRESS NUT

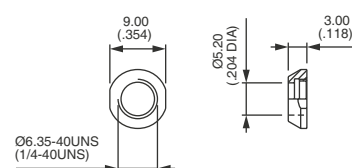


Nickel plated **U443**  
Black **U848**

\* U216 and U268 : consult factory for mounting on 11000 three and four pole, and 5000 locking lever models.

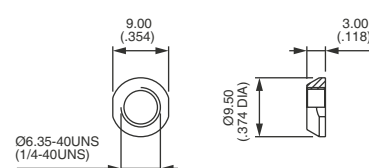
## OTHER HARDWARE FOR SWITCHES Ø 6.35 (1/4) - ALL SERIES

CONIC CAP NUT



Nickel plated **U500**

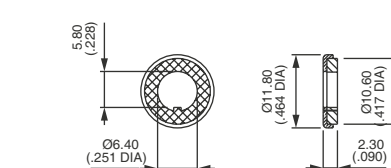
CONIC NUT



Chrome plated **U542**  
Nickel plated **U561**

SEALING WASHER

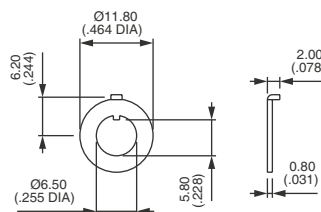
for keyway bushing



**U360N**

SPECIAL LOCKING RING

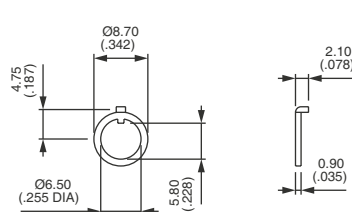
Spacing 6,2 mm (.244)



Nickel plated **U368**

SPECIAL LOCKING RING

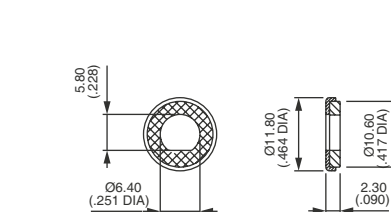
Spacing 4,75 mm (.187)



Nickel plated **U409**

SEALING WASHER

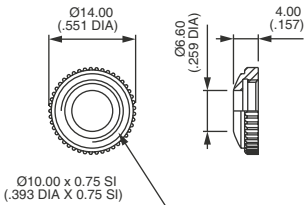
for flatted bushing



**U5141**

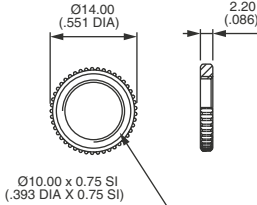
## STANDARD HARDWARE FOR SWITCHES Ø 10 (.393) 10400 AND 10600 SERIES

KNURLED CAP NUT  
STD FOR 10600



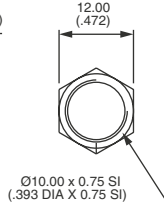
Chrome plated U2220

KNURLED NUT  
STD FOR 10400



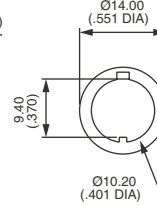
Nickel plated U2311

HEX NUT



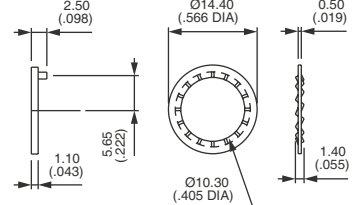
Nickel plated U842

LOCKING RING



Nickel plated U844

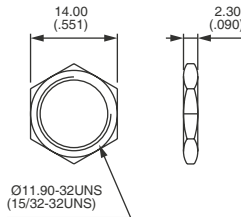
LOCKWASHER



Zinc plated steel U843

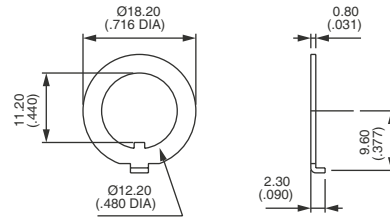
## STANDARD HARDWARE FOR SWITCHES Ø 11.9 (15/32) 12000, 13000X768 AND 5600M SERIES

HEX NUT



Nickel plated U162  
Black U41

LOCKING RING

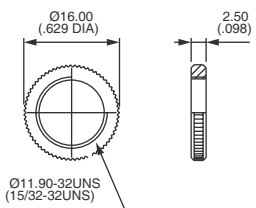


Nickel plated U121  
Black U12

| SERIES    | HARDWARE SUPPLIED |              |
|-----------|-------------------|--------------|
|           | HEX NUT           | LOCKING RING |
| 12000     | 2                 | 1            |
| 13000X768 | 1                 | -            |
| 5600M     | 2                 | 1            |
| 8000X718  | 2                 | 1            |

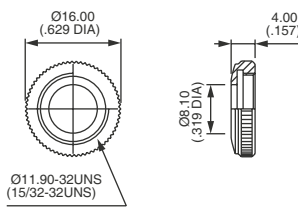
## NON-STANDARD HARDWARE FOR SWITCHES Ø 11.9 (15/32) 12000, 13000X768 AND 5600M SERIES

KNURLED NUT

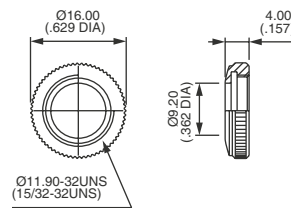


Nickel plated U53  
Black U1634

KNURLED CAP NUTS

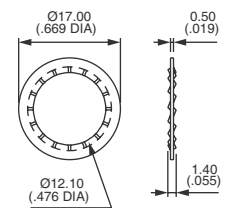


Chrome plated U124



Chrome plated U123

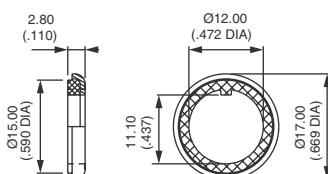
LOCKWASHER



Zinc plated steel U13

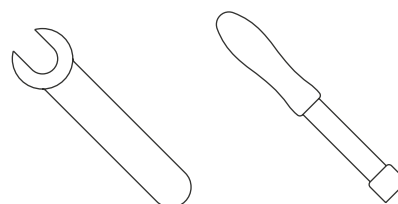
## OTHER HARDWARE

SEALING WASHER



U60

## WRENCHES



Available for some accessories.  
Consult factory.

# Hardware

For miniature and industrial switches

## NUTS FOR BUSHING Ø 11.9 (15/32) AND Ø 12 (.472)

- Standard hardware is indicated by darkened boxes.
- For details of hardware supplied, please refer to beginning of each series.
- Special hardware is to be ordered separately.

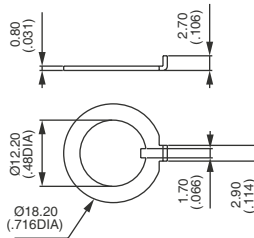
|                                                                                                                                                |        |      |             |                                                   |       |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|-------------|---------------------------------------------------|-------|
| NUTS                                                                                                                                           |        |      |             |                                                   |       |
|                                                                                                                                                |        |      | Hex cap nut | Knurled cap nut                                   |       |
| BUSHING Ø 11.9 (15/32) THREAD 0.794-32UNS<br>SERIES 3500 - 6000                                                                                |        |      |             |                                                   |       |
| Chrome plated brass                                                                                                                            |        | U92  |             | U123                                              |       |
| Nickel plated brass                                                                                                                            | U53    | U162 |             |                                                   |       |
| Black brass                                                                                                                                    | U1634  | U41  |             | U2226                                             |       |
| BUSHING Ø 12 (.472) THREAD 0.75<br>SERIES IB/IS - IC - IH - IL - IM - IP - 660 - 600H - 600NH - 1000 - 1200 - 1500 - 1600 - 1700 - 3600 - 4000 |        |      |             |                                                   |       |
| Chrome plated brass                                                                                                                            | U412   | U212 | U35         | U117<br>a = 8.5 (.334)<br>U118<br>a = 10.3 (.405) |       |
| Nickel plated brass                                                                                                                            | U411   | U166 |             | U117-5<br>a = 8.5 (.334)                          |       |
| Black brass                                                                                                                                    | U413   | U183 |             | U129<br>a = 8.5 (.334)<br>U130<br>a = 10.3 (.405) |       |
| Gold plated brass                                                                                                                              | U410-4 |      |             | U1862<br>a = 8.5 (.334)                           |       |
| BUSHING Ø 12 (.472) THREAD 0.75<br>SERIES IS, IM, IM                                                                                           |        |      |             |                                                   |       |
| Plastic                                                                                                                                        |        |      |             |                                                   | U4248 |

## INSULATED NUTS U520 FOR BUSHING Ø 12 (.472)

| FOR THREADED BUSHING Ø 12 (.472) X 0.75 IS<br>SERIES 1500 - 4000 - 600NH - 6-600NH |       |       |      |        |      |        |               |  |
|------------------------------------------------------------------------------------|-------|-------|------|--------|------|--------|---------------|--|
| Blue                                                                               | Black | Green | Grey | Yellow | Red  | White  | Chrome plated |  |
| U521                                                                               | U522  | U523  | U524 | U525   | U526 | U527/1 | U528          |  |

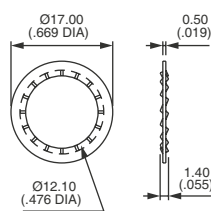
## HARDWARE FOR SWITCHES Ø 12 (.472) AND 11.9 (15/32)

LOCKING RING



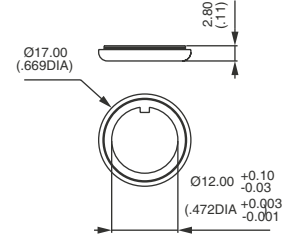
Nickel plated **U121**  
Black **U12**

LOCKWASHER



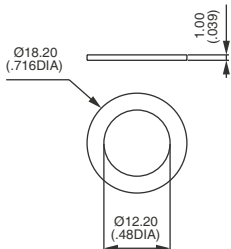
Zinc plated steel **U13**

SEALING WASHER



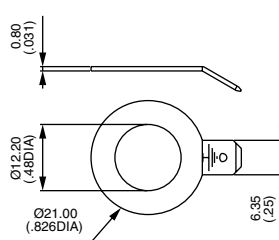
Stainless steel and neoprene **U60**

SEALING WASHER FOR BOOTS



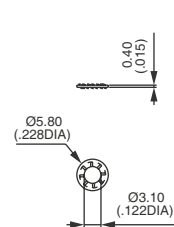
Nylon **U21**

GROUND CONNECTOR



Nickel plated **U187**

LOCKWASHER

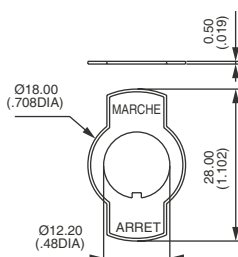


Zinc plated steel **U14**

The locking ring U121 (nickel plated) or U12 (black) is only provided with tropicalized switches version T or G and with series 3500 - 6000. The lockwasher U13 must be ordered separately, except for series 660, 3500 and 6000.

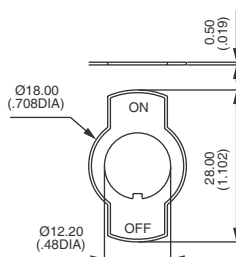
## PLATES FOR SWITCHES Ø 12 (.472) AND 11.9 (15/32)

MARCHE - ARRÊT



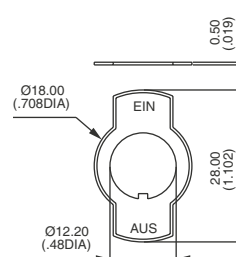
**U17**

ON - OFF



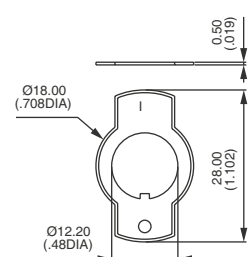
**U19**

EIN - AUS



**U99**

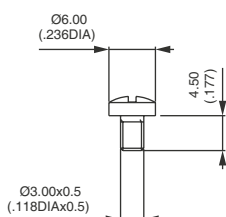
I - O



**U1050**

## CONNECTING SCREW

SUPPLIED WITH THE SWITCHES



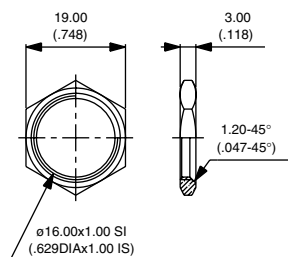
**U03**

# Hardware

For miniature and industrial switches

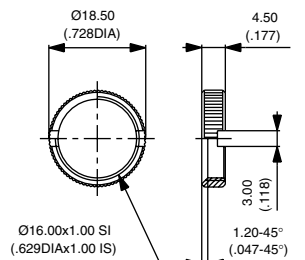
## HARDWARE FOR AV SERIES (ANTI-VANDAL AND SECURITY PUSHBUTTON SWITCHES)

HEX NUT FOR MODELS Ø 16 (.629)



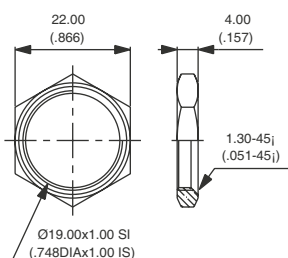
10-621

KNURLED NUT FOR MODELS Ø 16 (.629)



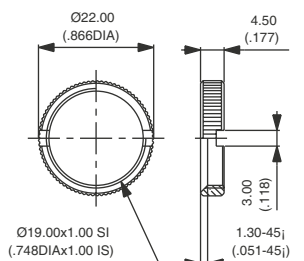
10-960-5

HEX NUT FOR MODELS Ø 19 (.748)



10-855-5

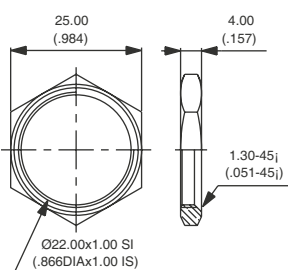
KNURLED NUT FOR MODELS Ø 19 (.748)



U1977-5

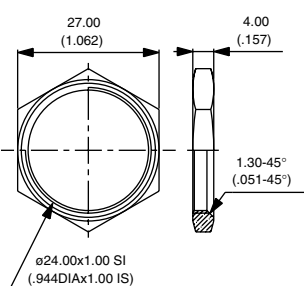
Wrench for nut U1977-5 available under part number U1929.

HEX NUT FOR MODELS Ø 22 (.866)



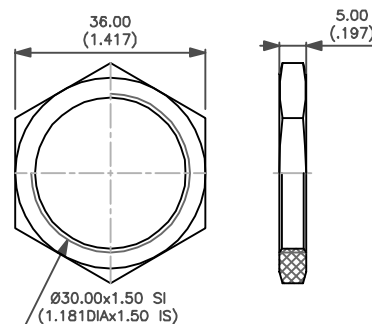
10-856-5

HEX NUT FOR MODELS Ø 24 (.944)



U2059-5

HEX NUT FOR MODELS Ø 30 (1.181)



U6730

All above nuts are made of nickel plated brass (except U6730 : plastic).  
For switches with front panel sealing (option K), a neoprene O-ring is supplied with each nut.