Hardware

For miniature and industrial switches

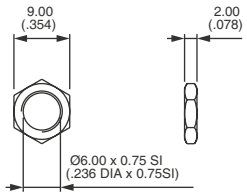


Standard hardware is automatically supplied with the switches
Non-standard hardware is presented below

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

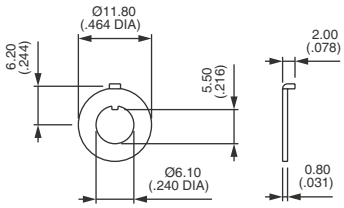
STANDARD HARDWARE FOR SWITCHES Ø 6 (.236) - ALL SERIES

HEX NUT



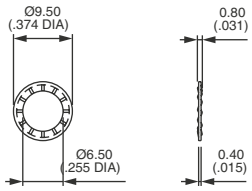
Nickel plated **U208**
Black **U726**

LOCKING RING



Nickel plated **U198**
Black **U728**

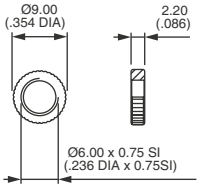
LOCKWASHER



Stainless steel **U215**

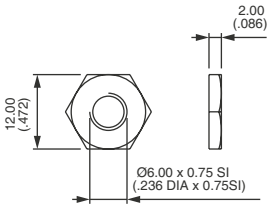
NON-STANDARD HARDWARE FOR SWITCHES Ø 6 (.236) - 5000 SERIES

KNURLED NUT



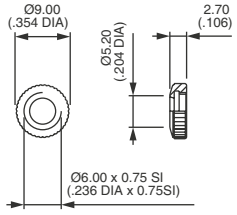
Chrome plated **U826**

SPECIAL NUT 12 (.472) ACROSS FLATS

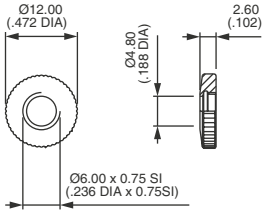


Chrome plated **U1916**

KNURLED CAP NUTS



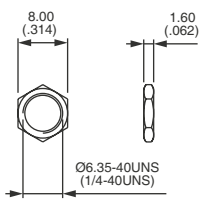
Chrome plated **U461**
Black **U502**



Chrome plated **U232**

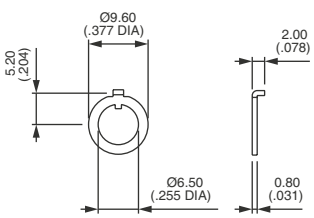
STANDARD HARDWARE FOR SWITCHES Ø 6.35 (1/4) - ALL SERIES

HEX NUT



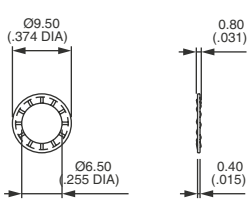
Nickel plated **U76**
Black **U94**

LOCKING RING



Nickel plated **U78**
Black **U93**

LOCKWASHER



Stainless steel **U215**

SERIES	HARDWARE SUPPLIED (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

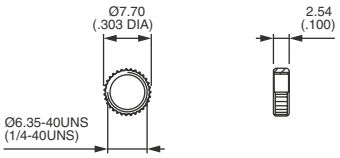
The company reserves the right to change specifications without notice.

Hardware

For miniature and industrial switches

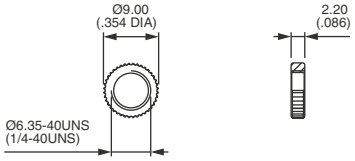
NON-STANDARD HARDWARE FOR SWITCHES Ø 6.35 (1/4) - ALL SERIES

KNURLED NUT



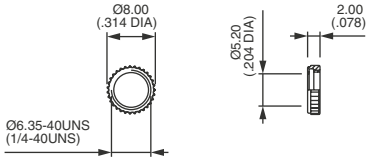
Nickel plated **U369**

KNURLED NUT



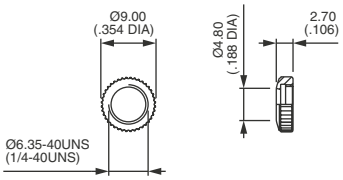
Nickel plated **U229**
Black **U230**

KNURLED NUT



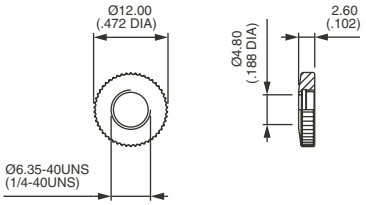
Chrome plated **U501**

KNURLED CAP NUT



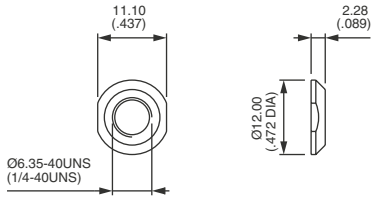
Chrome plated **U216 ***
Black **U218**

KNURLED CAP NUT



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

DRESS NUT

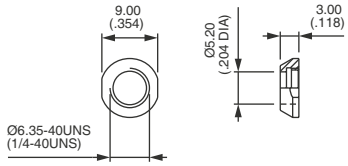


Nickel plated **U443**
Black **U848**

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

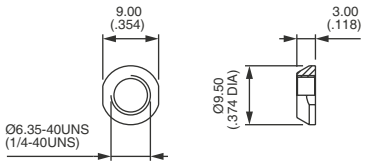
OTHER HARDWARE FOR SWITCHES Ø 6.35 (1/4) - ALL SERIES

CONIC CAP NUT



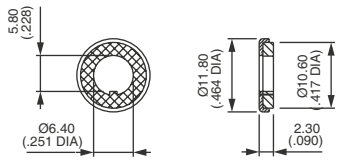
Nickel plated **U500**

CONIC NUT



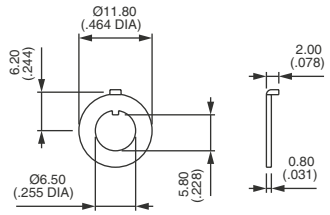
Chrome plated **U542**
Nickel plated **U561**

SEALING WASHER
for keyway bushing



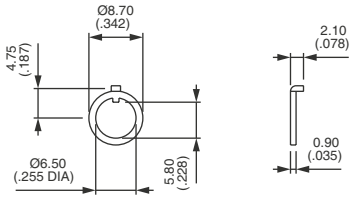
U360

SPECIAL LOCKING RING
Spacing 6,2 mm (.244)



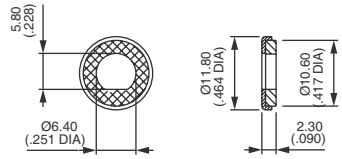
Nickel plated **U368**

SPECIAL LOCKING RING
Spacing 4,75 mm (.187)



Nickel plated **U409**

SEALING WASHER
for flatted bushing



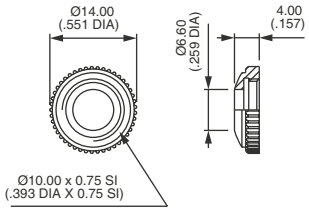
U5141

Hardware

For miniature and industrial switches

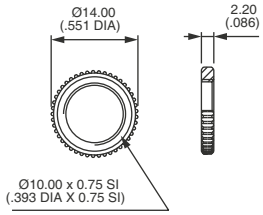
STANDARD HARDWARE FOR SWITCHES Ø 10 (.393)
10400 AND 10600 SERIES

KNURLED CAP NUT
STD FOR 10600



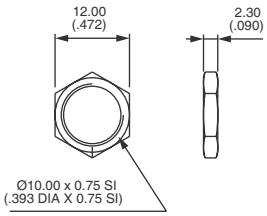
Chrome plated **U2220**

KNURLED NUT
STD FOR 10400



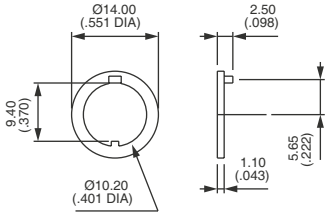
Nickel plated **U2311**

HEX NUT



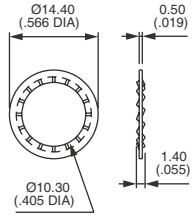
Nickel plated **U842**

LOCKING RING



Nickel plated **U844**

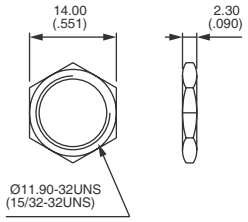
LOCKWASHER



Zinc plated steel **U843**

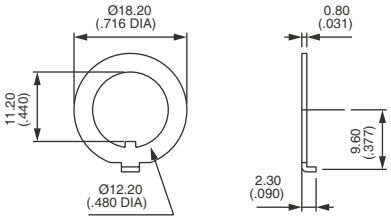
STANDARD HARDWARE FOR SWITCHES Ø 11.9 (15/32)
12000, 13000X768 AND 5600M SERIES

HEX NUT



Nickel plated **U162**
Black **U41**

LOCKING RING

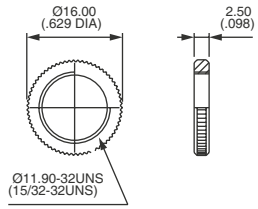


Nickel plated **U121**
Black **U12**

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

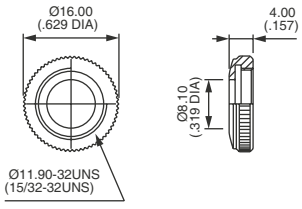
NON-STANDARD HARDWARE FOR SWITCHES Ø 11.9 (15/32)
12000, 13000X768 AND 5600M SERIES

KNURLED NUT

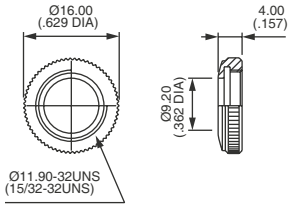


Nickel plated **U53**
Black **U1634**

KNURLED CAP NUTS

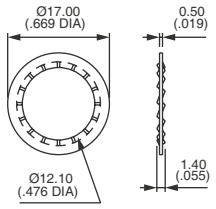


Chrome plated **U124**



Chrome plated **U123**

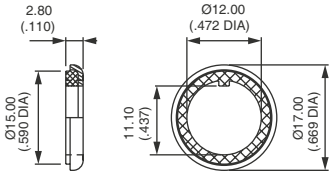
LOCKWASHER



Zinc plated steel **U13**

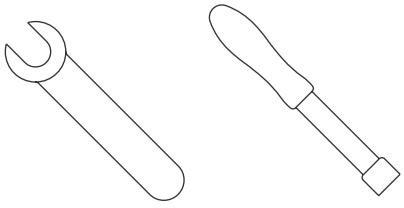
OTHER HARDWARE

SEALING WASHER



U60

WRENCHES



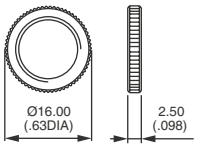
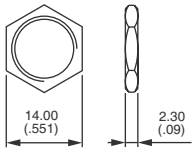
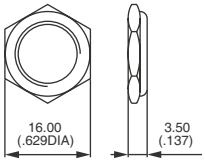
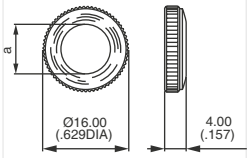
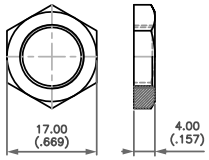
Available for some accessories.
Consult factory.

Hardware

For miniature and industrial switches

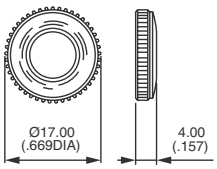
NUTS FOR BUSHING Ø 11.9 (15/32) AND Ø 12 (.472)

• 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 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 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 a = 8.5 (.334) U118 a = 10.3 (.405)	
Nickel plated brass	U411	U166		U117-5 a = 8.5 (.334)	
Black brass	U413	U183		U129 a = 8.5 (.334) U130 a = 10.3 (.405)	
Gold plated brass	U410-4			U1862 a = 8.5 (.334)	
BUSHING Ø 12 (.472) THREAD 0.75 SERIES IS, IM, IM					
Plastic					U4248

INSULATED NUTS U520 FOR BUSHING Ø 12 (.472)

NUTS



FOR THREADED BUSHING Ø 12 (.472) X 0,75 IS
SERIES 1500 - 4000 - 600NH - 6-600NH

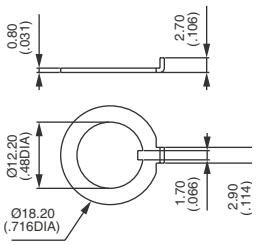
Blue	Black	Green	Grey	Yellow	Red	White	Chrome plated
U521	U522	U523	U524	U525	U526	U527/1	U528

Hardware

For miniature and industrial switches

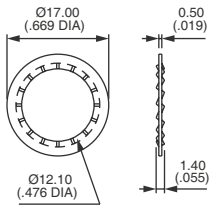
HARDWARE FOR SWITCHES Ø 12 (.472) AND 11.9 (15/32)

LOCKING RING



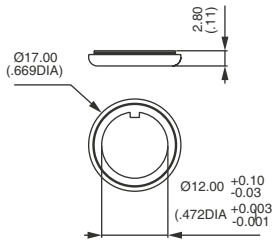
Nickel plated **U121**
Black **U12**

LOCKWASHER



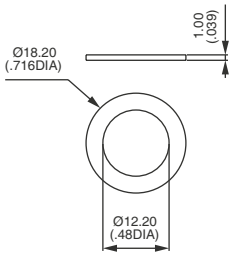
Zinc plated steel **U13**

SEALING WASHER



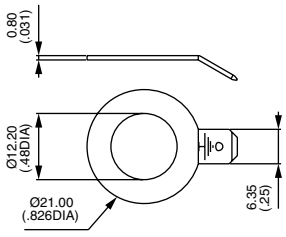
Stainless steel and neoprene **U60**

SEALING WASHER FOR BOOTS



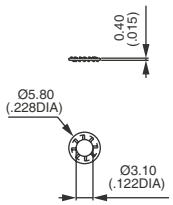
Nylon **U21**

GROUND CONNECTOR



Nickel plated **U187**

LOCKWASHER

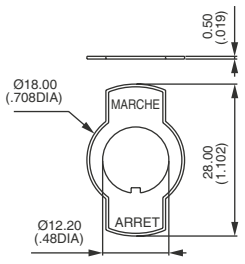


Zinc plated steel **U14**

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.

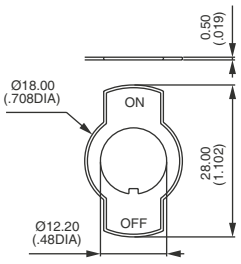
PLATES FOR SWITCHES Ø 12 (.472) AND 11.9 (15/32)

MARCHE - ARRÊT



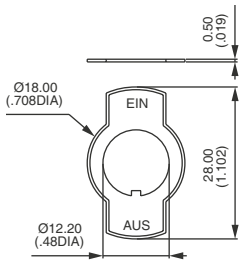
U17

ON - OFF



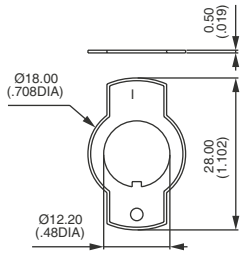
U19

EIN - AUS



U99

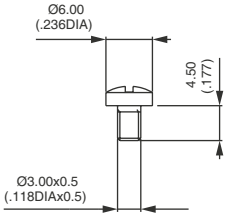
I - 0



U1050

CONNECTING SCREW

SUPPLIED WITH THE SWITCHES



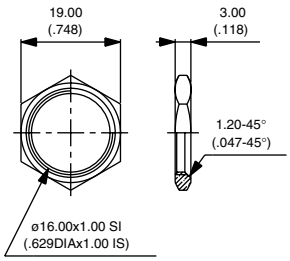
U03

Hardware

For miniature and industrial switches

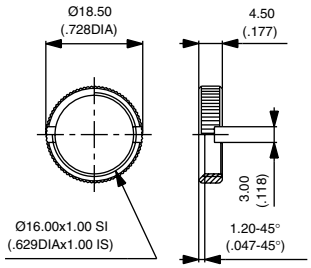
HARDWARE FOR AV SERIES (ANTI-VANDAL AND SECURITY PUSHBUTTON SWITCHES)

HEX NUT FOR MODELS Ø 16 (.629)



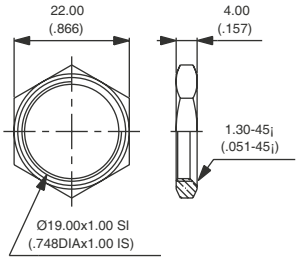
10-621

KNURLED NUT FOR MODELS Ø 16 (.629)



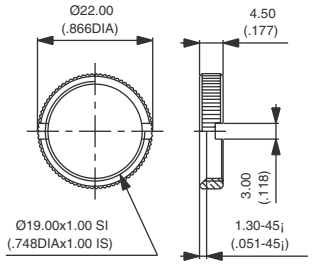
10-960-5

HEX NUT FOR MODELS Ø 19 (.748)



10-855-5

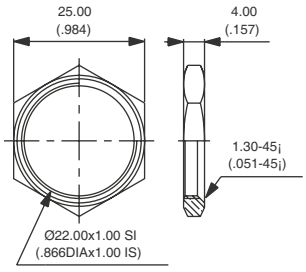
KNURLED NUT FOR MODELS Ø 19 (.748)



U1977-5

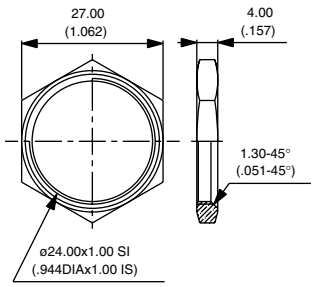
Wrench for nut U1977-5 available under part number **U1929**.

HEX NUT FOR MODELS Ø 22 (.866)



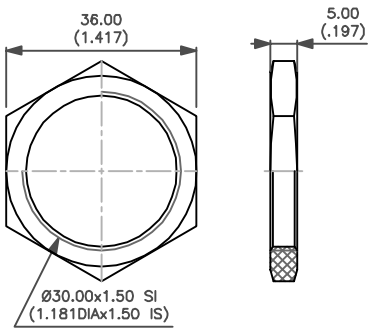
10-856-5

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.