

Hardware

For miniature switches

- Standard hardware is automatically supplied with the switches
- Non standard hardware is to be ordered separately

UG1410A

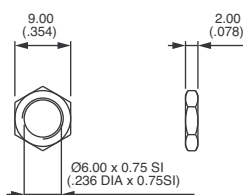


Hardware supplied with sealing options :

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

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

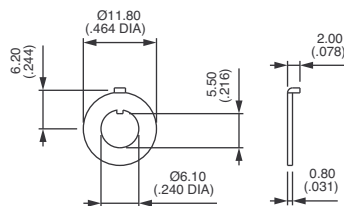
HEX NUT



Nickel plated
Black

U208
U726

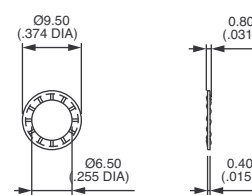
LOCKING RING



Nickel plated
Black

U198
U728

LOCKWASHER

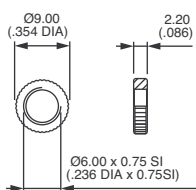


Stainless steel

U215

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

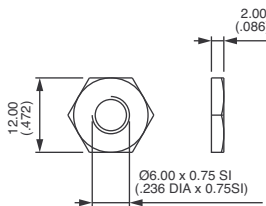
KNURLED NUT



Chrome plated

U826

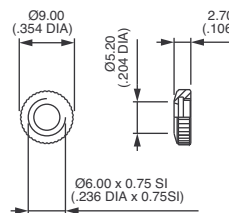
SPECIAL NUT 12 (.472) ACROSS FLATS



Chrome plated

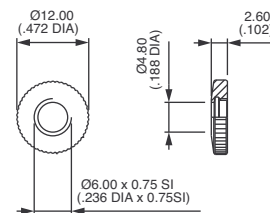
U1916

KNURLED CAP NUTS



Chrome plated
Black

U461
U502

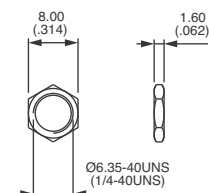


Chrome plated

U232

STANDARD HARDWARE FOR SWITCHES Ø 6,35 (1/4) - ALL SERIES

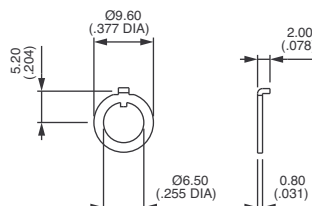
HEX NUT



Nickel plated
Black

U76
U94

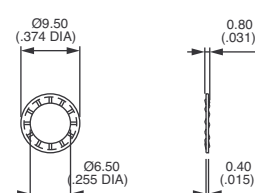
LOCKING RING



Nickel plated
Black

U78
U93

LOCKWASHER



Stainless steel

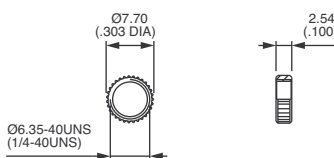
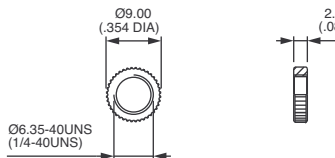
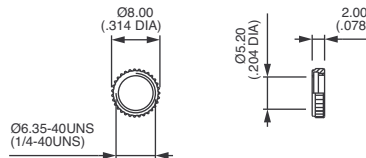
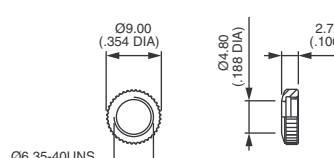
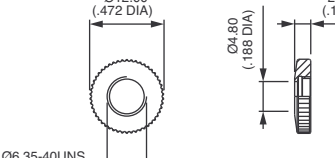
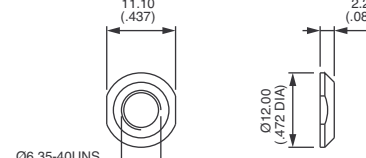
U215

HARDWARE SUPPLIED (unsealed types)

SERIES	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

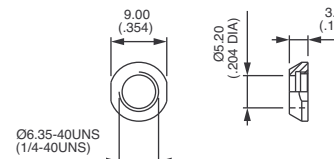
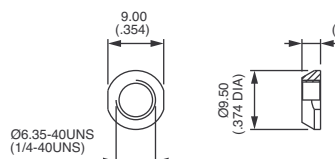
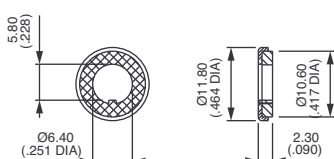
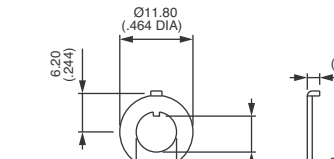
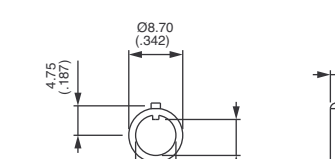
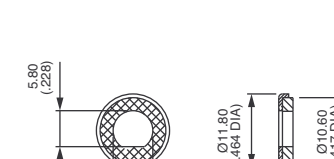
The company reserves the right to change specifications without notice.

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

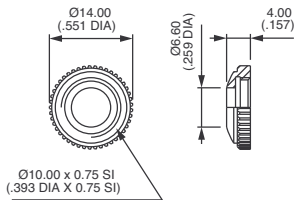
CONIC CAP NUT  Nickel plated U500	CONIC NUT  Chrome plated U542 Nickel plated U561	SEALING WASHER for keyway bushing  U360
SPECIAL LOCKING RING Spacing 6,2 mm (.244)  Nickel plated U368	SPECIAL LOCKING RING Spacing 4,75 mm (.187)  Nickel plated U409	SEALING WASHER for flatted bushing  U5141

Hardware

For miniature switches

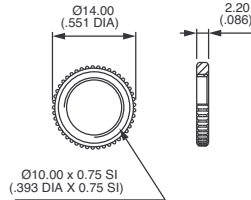
STANDARD HARDWARE FOR SWITCHES Ø 10 (.393) - 10400 AND 10600 SERIES

**KNURLED CAP NUT
(std for 10600)**



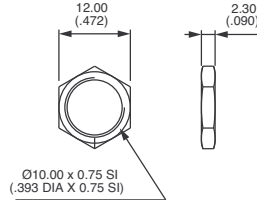
Chrome plated
U2220

**KNURLED NUT
(std for 10400)**



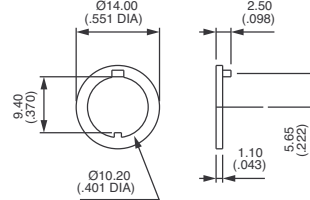
Nickel plated
U2311

HEX NUT



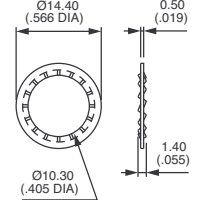
Nickel plated
U842

LOCKING RING



Nickel plated
U844

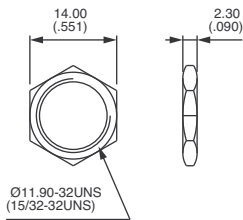
LOCKWASHER



Zinc plated steel
U843

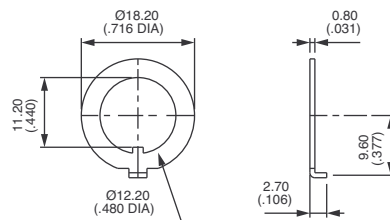
STANDARD HARDWARE FOR SWITCHES Ø 11,9 (15/32) - 12000, 13000X768 AND 5600M SERIES

HEX NUT



Nickel plated
Black
**U162
U41**

LOCKING RING

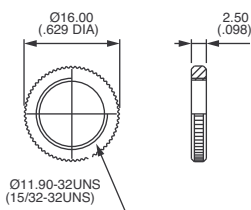


Nickel plated
Black
**U121
U12**

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

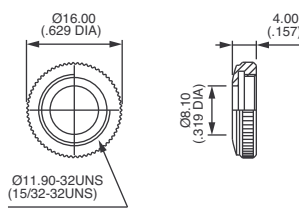
NON STANDARD HARDWARE FOR SWITCHES Ø 11,9 (15/32) - 12000, 13000X768 AND 5600M SERIES

KNURLED NUT

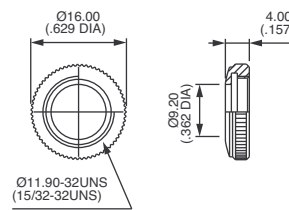


Nickel plated
Black
**U53
U1634**

KNURLED CAP NUTS

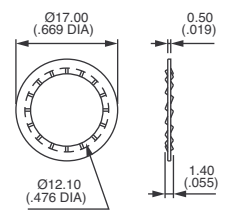


Chrome plated
U124



Chrome plated
U123

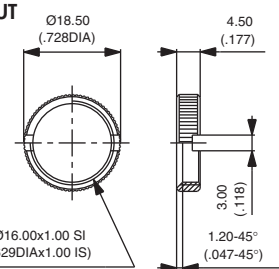
LOCKWASHER



Zinc plated steel
U13

HARDWARE FOR SWITCHES Ø 16

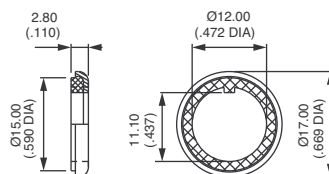
KNURLED NUT



U3327

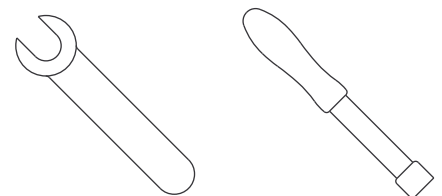
OTHER HARDWARE

SEALING WASHER



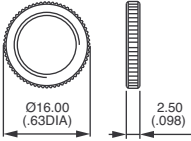
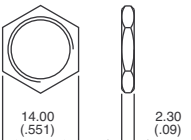
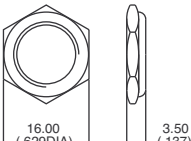
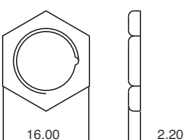
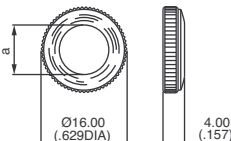
U60

WRENCHES

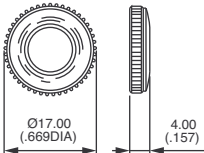


Available for some accessories.
Consult factory.

- 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	Bushing Ø 11,9 (15/32) thread 0,794-32UNS Series 3500 - 6000			Bushing Ø 12 (.472) thread 0,75 Series IB/IS - IP - 660 - 600H - 600NH 1000 - 1200 - 1500 - 1600 - 1700 - 3600 - 4000		
	Chrome plated brass	Nickel plated brass	Black brass	Chrome plated brass	Nickel plated brass	Black brass
		U53	U1634	U412	U411	U413
	U92	U162	U41	U212	U166	U183
 Hex cap nut				U35		
 PAL nut					U42 (passive zinc plated steel)	
 Knurled cap nut	U123			U117 $\alpha = 8,5 (.334)$ U118 $\alpha = 10,3 (.405)$		U129 $\alpha = 8,5 (.334)$ U130 $\alpha = 10,3 (.405)$

INSULATED NUT U520

 ABS or polyamide with glass fibre	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	Orange
	U521	U522	U523	U524	U525	U526	U527/1	U528	U529

The locking ring U121 (nickel plated) or U12 (black) is only provided with tropicalized switches version T or G and with series 3500 - 6000.

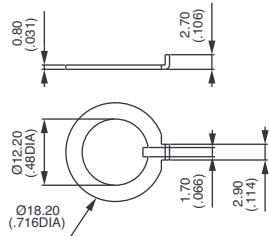
The lockwasher U13 must be ordered separately, except for series 660, 3500 and 6000.

Hardware

For industrial switches

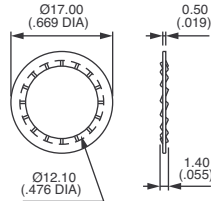
HARDWARE FOR SWITCHES Ø 12 (.472) AND 11,9 (15/32)

LOCKING RING



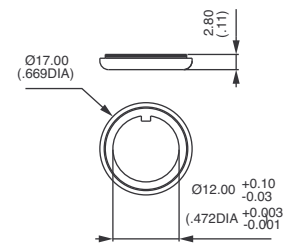
Nickel plated **U121**
Black **U12**

LOCKWASHER



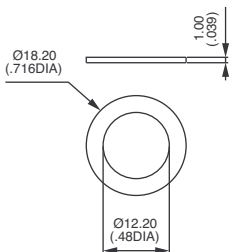
Zinc plated steel **U13**

SEALING WASHER



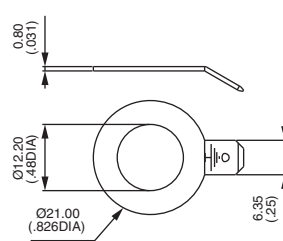
Stainless steel and neoprene **U60**

SEALING WASHER FOR BOOTS



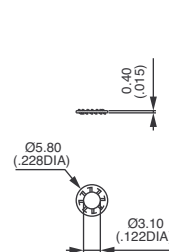
Nylon **U21**

GROUND CONNECTOR



Nickel plated **U187**

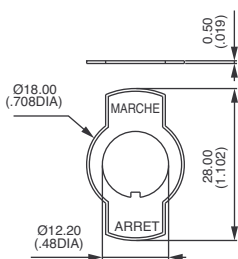
LOCKWASHER



Zinc plated steel **U14**

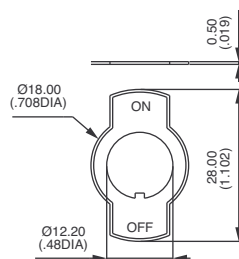
PLATES FOR SWITCHES Ø 12 (.472) AND 11,9 (15/32)

Marche - arrêt



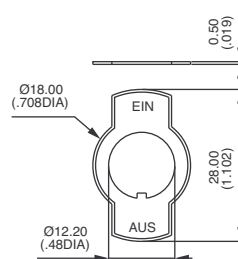
U17

ON - OFF



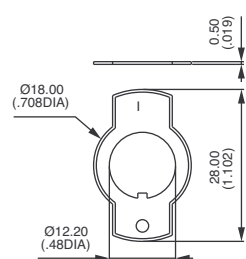
U19

EIN - AUS



U99

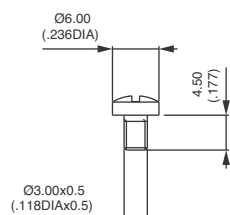
I - O



U1050

CONNECTING SCREW

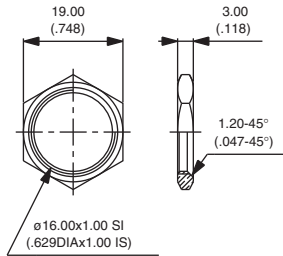
Supplied with the switches



U03

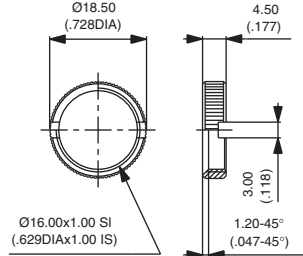
HARDWARE FOR AV SERIES (ANTI-VANDAL AND SECURITY PUSHBUTTON SWITCHES)

HEX NUT FOR MODELS Ø 16 (.629)



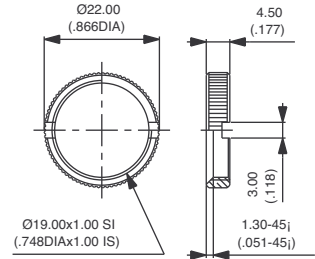
10-621

KNURLED NUT FOR MODELS Ø 16 (.629)



10-960-5

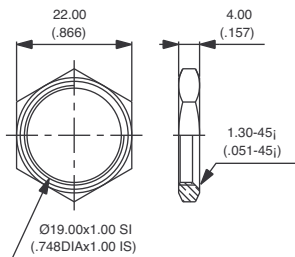
KNURLED NUT FOR MODELS Ø 19 (.748)



U1977-5

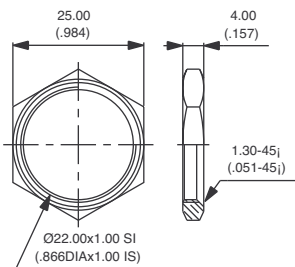
Wrench for nut U1977-5 available under part number **U1929**.

HEX NUTS FOR MODELS Ø 19 (.748)



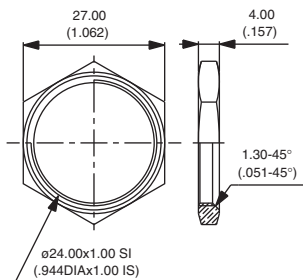
10-855-5

HEX NUTS FOR MODELS Ø 22 (.866)



10-856-5

HEX NUT FOR MODELS Ø 24 (.944)



U2059-5

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[U198](#) [U215](#) [U208](#) [U502](#) [U826](#) [U461](#) [U726](#) [U232](#) [U728](#)