

# Meter Mounting Equipment

## The standard for quality

For more than 50 years, meter mounting devices that are now manufactured under the Talon Brand, have been known throughout the industry for innovation and quality. From our proprietary K-Base to our heavy duty HQ lever bypass socket, Talon products are known throughout the industry for innovation and quality. Talon meter sockets are built for safety, ease of installation, and long term quality. That's why we use stainless steel hardware, polyester powder coat paint for long lasting protection, and Type G-90 galvanized steel or 3003 grade aluminum for all of our enclosures. It's also why we use an all-copper current path in our commercial sockets. All of this adds up to why utilities, OEM's, and contractors recognize Talon meter mounting devices across the country as the leader in design, quality, and workmanship. Quality is the reason many utilities and electricians specify Talon products.

Talon products - the standard for quality and design.



*HQ-5 block assembly  
The standard for quality.*

## General information

### Materials:

16 gauge, galvanized steel, G-90  
14 gauge, galvanized steel, G-90  
14 gauge, aluminum  
12 gauge, aluminum

### Enclosures:

NEMA 3R

### Finish:

Steel - Light gray, baked on powder polyester  
Aluminum - Mill finish

### Latches:

All swing latches are stainless steel

### Block material:

AS/AT, MQ, HQ, K-4 and K-7 - Glass reinforced polyester

### Terminals:

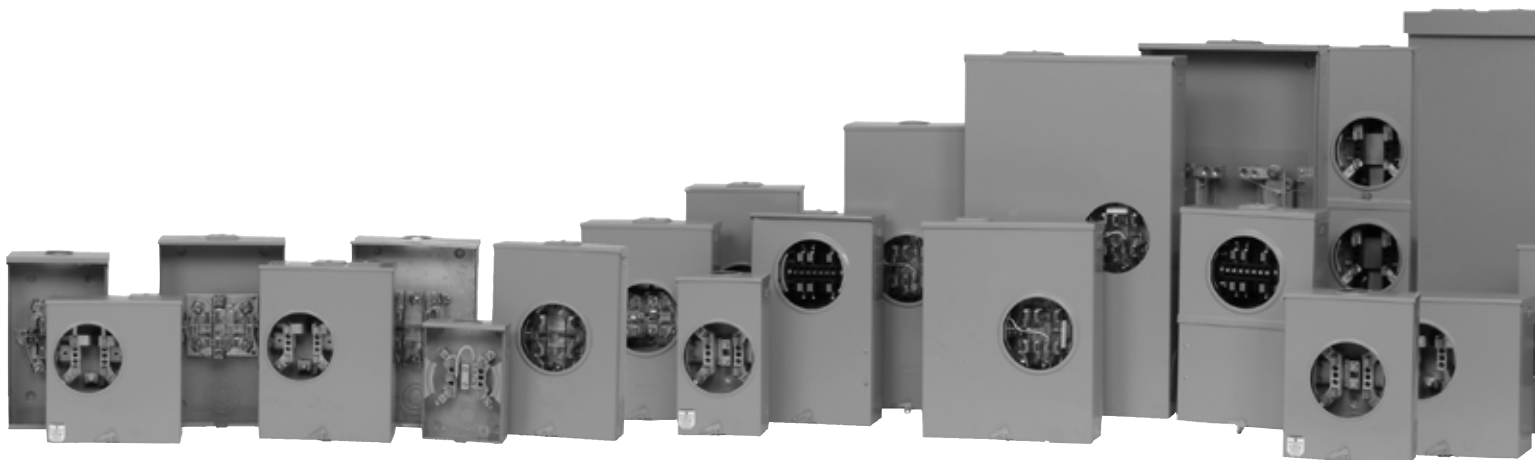
AS/AT - Tin-plated aluminum extrusions 6061-T6  
MQ, HQ, - Tin-plated copper

### Standards:

Products cataloged herein meet or exceed the following standards:  
UL 486B, UL 414, NEMA 250,  
ANSI C12.7 Florida Meter Group requirements

### Voltage:

All devices are rated at 600V AC  
Type K-4 rated at 300V AC



# Meter Mounting Equipment

## Meter socket terminology

### Maximum and continuous ampacity

UL and NEMA standards allow most electrical devices to be tested at one amp level (“continuous”), then allowed 125% rating as “maximum”. For example, a “400 Amp” socket may either mean 400 Amps continuous (K-4) or 400A Max, 320A continuous which is also made by most competitors.

### Wire sizes - ampacity

Connectors accept a fairly wide variety of wire sizes. On the AT socket, a 350 MCM connector accepts conductors from #6 up to 350 MCM. The NEC specifies the ampacity of each wire size and type, also taking into account how the wire is installed in conduit.

### Lay-in and stud terminals

Lay-in terminals are fixed and may not be modified in the field to accept other wire sizes or parallel conductors. Stud terminals accept either lugs (see Product Schedule 497) or compression fittings (not available from Talon). Common uses for studs include where the field wiring may be either single or parallel. Terminals may be mixed on the line and load sides, e.g. stud on the line and lay-in on the load side.

### Ringless/Ring style

Ring-type is an older, vanishing concept requiring a sealing ring. Talon recently added tooling to build this type of socket for the few remaining utilities that require them. In ringless design, the seal is made not on a sealing ring but using the cover and “swing latch” as the point of sealing.

### Overhead/Underground

Sockets for UG service are usually wider in order to provide space for the conductors to loop around the block to the top connectors. Since more material is required in the enclosure, UG sockets are more expensive than OH sockets. Quite popular are combination units (OH/UG) which may be used in either service, and require a cover plate if used with UG feed.

### Hubs and cover plates

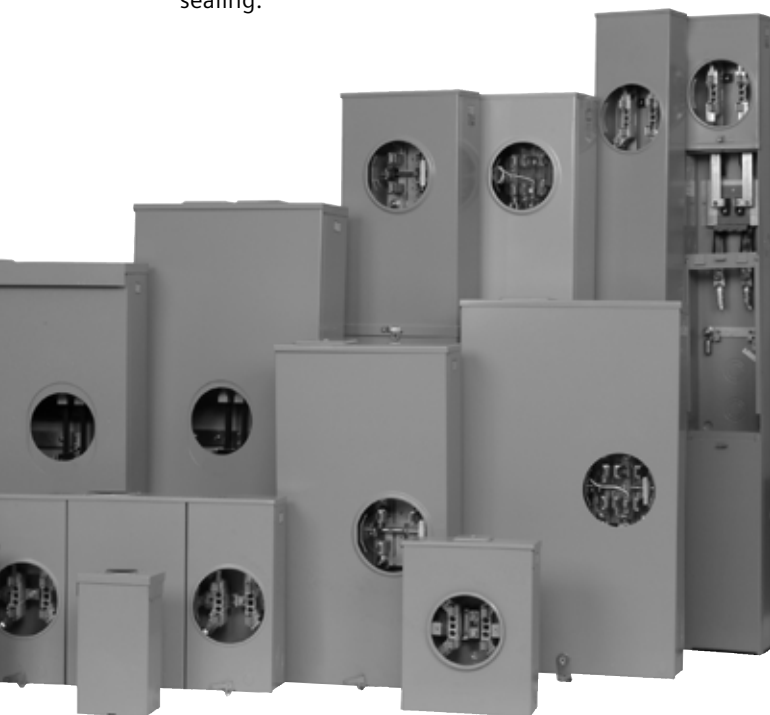
Top of socket with hub opening has a flanged lip to keep out moisture. This requires a hub or cover plate to close. There are two sizes of openings: “small” for conduit hubs with sizes of 1”, 1-1/4”, 1-1/2”, 2”, and 2-1/2”; and “large” for conduit hubs with sizes 3”, 3-1/2”, and 4”. See Product Schedule 499. Talon hub openings conform to ANSI C12.7 specs and are interchangeable with other socket manufacturers, but are not interchangeable with panel board style hubs.

### Bypass types

A self-contained meter completes the circuit between the utility and the customer. In order to change the meter, the circuit must be broken, turning off the power to the customer. This is not acceptable in commercial establishments, or in many other types of services. A bypass allows a parallel path for the current flow, unmeasured, while the meter is pulled.

Types are:

- a) Lever-operated jaw release, also known as jaw clamping lever bypass (Talon type HQ). The best, because the meter cannot accidentally be pulled unless the bypass is engaged. Pulling the meter would also be a major safety hazard if there is a 480V installation and/or a large load in place, as the meter would then act as a switch, and cause arc.
- b) Lever-operated non-jaw release (Talon type MQ). Lever bypasses the meter, but the meter may be removed with the bypass open.
- c) Horn bypass (option on residential sockets). Tangs on line and load connectors allow for jumper leads to be fitted over them before the meter is pulled.
- d) Manual bypass (K-4, K-5, K-7) uses separate “links”, which are clamped onto special studs before the meter is removed. K-7 also uses a “rotating link” type bypass.
- e) Other types not made by Talon include: slide links, screw type, and automatic circuit closers.

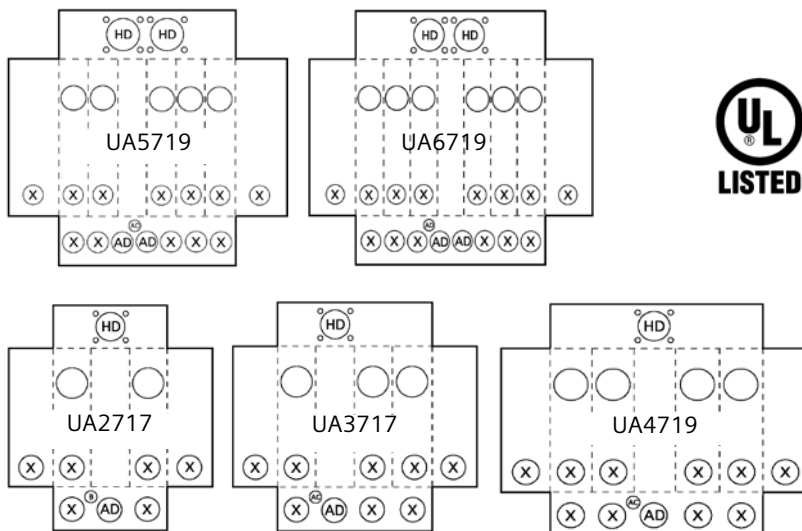


# 200A/Position Meter Mounting Equipment

## Residential<sup>①②③</sup>, Horizontal Gang, 4 terminal for 1 phase, 3 wire

No. pos.	Cont. amp rating	Overall amp.	Connectors Line	Load	Service	No. of term.	Dimensions (in.)			Hub opening	Catalog number
							W	H	D		
<b>Approved for Allegheny Power, PECO and UGI</b>										<b>(7/16" barrel lock KO w/ BKT)</b>	
2	200	200	1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	24.0	14.5	5.1	HD Opening	UA2717-YPZA
3	200	270	1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	32.0	14.5	5.1	HD Opening	UA3717-YPZA
4	200	360	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	43.0	14.5	5.1	HD Opening	UA4719-YPZA
5	200	450	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	51.0	14.5	5.1	2 HD Openings	UA5719-KPZA
6	200	528	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	59.0	14.5	5.1	2 HD Openings	UA6719-KPZA
<b>Approved for Delmarva/Atlantic Electric (Pepco/Connectiv)</b>										<b>(No barrel lock provisions)</b>	
2	200	200	1/0-600 KCMIL	#6-350 KCMIL	UG	4	24.0	14.5	5.1	Blank Top	UA2717-PPCV
2	200	200	1/0-600 KCMIL	#6-350 KCMIL	OH	4	24.0	14.5	5.1	HD Cl. Plate	UA2717-ZPCV
4	200	360	(2) 1/0-600 KCMIL	#6-350 KCMIL	UG	4	43.0	14.5	5.1	Blank Top	UA4719-PPCV
4	200	360	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH	4	43.0	14.5	5.1	HD Cl. Plate	UA4719-ZPCV
6	200	528	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH	4	59.0	14.5	5.1	2 HD Cl. Plates	UA6719-MPCV
6	200	528	(2) 1/0-600 KCMIL	#6-350 KCMIL	UG	4	59.0	14.5	5.1	Blank Top	UA6719-PPCV
<b>Approved for First Energy, JCP&amp;L, and PP&amp;L (also 2-gang only approved for PSE&amp;G)</b>										<b>(7/8" barrel lock KO w/ BKT)</b>	
2	200	200	1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	24.0	14.5	5.1	HD Opening	UA2717-YPGP
3	200	270	1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	32.0	14.5	5.1	HD Opening	UA3717-YPGP
4	200	360	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	43.0	14.5	5.1	HD Opening	UA4719-YPGP
5	200	450	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	51.0	14.5	5.1	2 HD Openings	UA5719-KPGP
6	200	528	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	59.0	14.5	5.1	2 HD Openings	UA6719-KPGP
<b>Approved for Duquesne Light Company and Allegheny Power</b>										<b>(7/16" barrel lock KO, no BKT)</b>	
2	200	200	1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	24.0	14.5	5.1	HD Opening	UA2717-YPDND
3	200	270	1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	32.0	14.5	5.1	HD Opening	UA3717-YPDND
4	200	360	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	43.0	14.5	5.1	HD Opening	UA4719-YPDND
5	200	450	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	51.0	14.5	5.1	2 HD Openings	UA5719-KPDND
6	200	528	(2) 1/0-600 KCMIL	#6-350 KCMIL	OH/UG	4	59.0	14.5	5.1	2 HD Openings	UA6719-KPDND

- ① All units are equipped with a ground lug.
- ② All sockets are Horn Bypass Style.
- ③ 5th terminal kit for field installation: H659-0121.  
See accessories page in back.



UA2717-YPQG

Knockouts (inches):	
X:	1-1/4, 1-1/2, 2, 2-1/2
AC:	1/4, 1/2
AD:	1-1/4, 1-1/2, 2, 2-1/2, 3
HD:	Ø4.281 HUB OP
RX:	Ø2.750 HUB OP