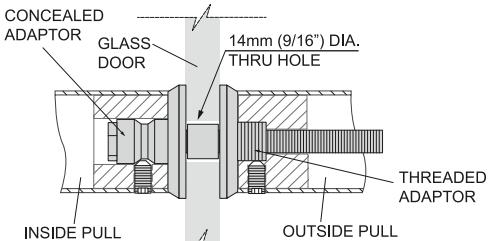


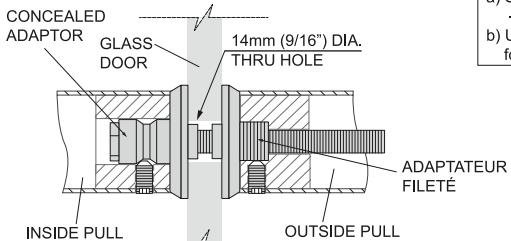
# DOREX DOOR PULL INSTALLATION - GLASS DOOR (SERIES 18, 19 & 20)

## BACK TO BACK PULLS

FOR GLASS DOORS 8 – 13 mm (5/16 – 1/2") THICK



**TYPE A**  
(PLASTIC PLAIN WASHER  
PLUS BUSHING)

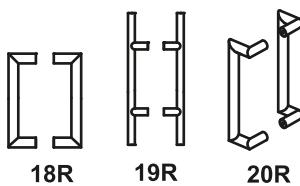


**TYPE B**  
(PLASTIC WASHER WITH  
STEP BUSHING)

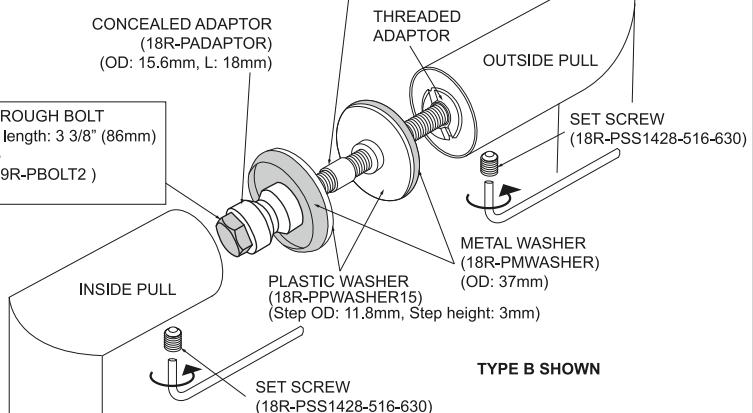
## ROUND PULL

APPLICABLE TO PULL MODELS:

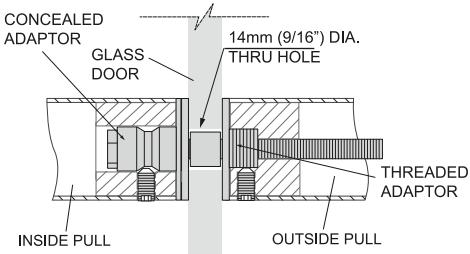
**18R** 24, 36, 48, 60, 72  
**19R** 12, 24, 36, 48, 60, 72  
**20R** 10, 24, 36, 48, 60



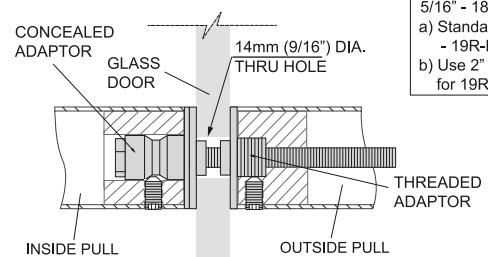
PLASTIC BUSHING (OD: 12mm, L: 10mm)  
(OPTIONAL, USE WITH PLAIN PLASTIC  
WASHER PER TYPE A. IF REQUIRED, CUT TO FIT  
GLASS DOOR THICKNESS)



**TYPE B SHOWN**



**TYPE A**  
(PLASTIC PLAIN WASHER  
WITH BUSHING)

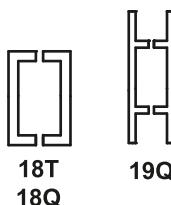


**TYPE B**  
(PLASTIC WASHER WITH  
STEP BUSHING)

## RECTANGULAR PULL

APPLICABLE TO PULL MODELS:

**18T** 24, 36, 48, 60, 72



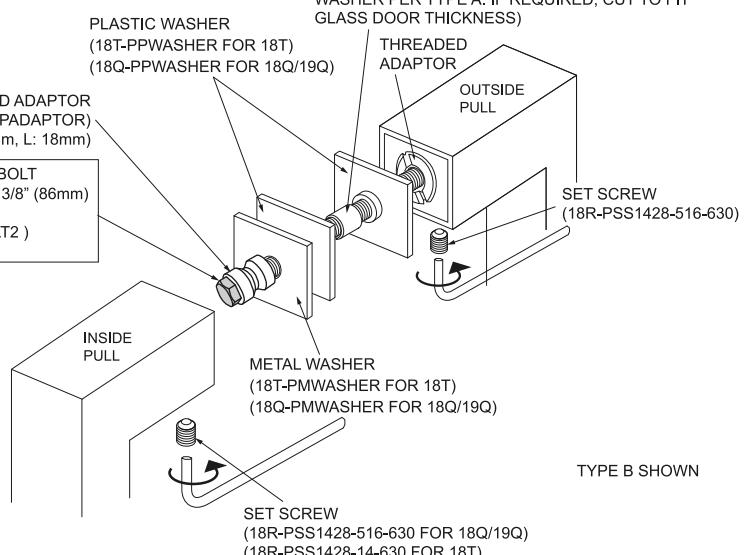
## SQUARE PULL

APPLICABLE TO PULL MODELS:

**18Q** 24, 36, 48, 60, 72

**19Q** 12, 24, 36, 48, 60, 72

PLASTIC BUSHING (OD: 12mm, L: 10mm)  
(OPTIONAL, USE WITH PLAIN PLASTIC  
WASHER PER TYPE A. IF REQUIRED, CUT TO FIT  
GLASS DOOR THICKNESS)

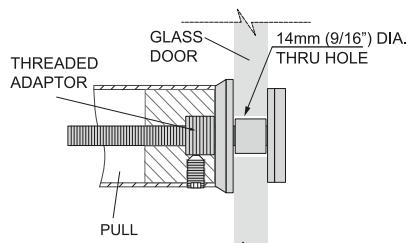


**TYPE B SHOWN**

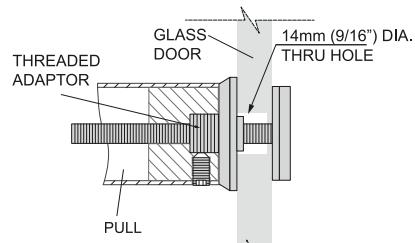
# DOREX DOOR PULL INSTALLATION - GLASS DOOR (SERIES 18, 19 & 20)

## SINGLE PULL

FOR GLASS DOORS 8 – 12 mm (5/16 – 1/2") THICK



**TYPE A**  
(PLASTIC PLAIN WASHER  
WITH BUSHING)

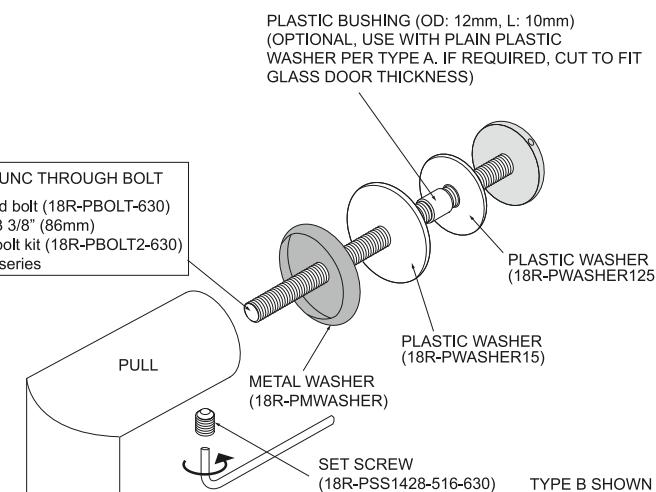
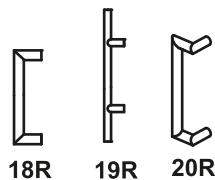


**TYPE B**  
(PLASTIC WASHER WITH  
STEP BUSHING)

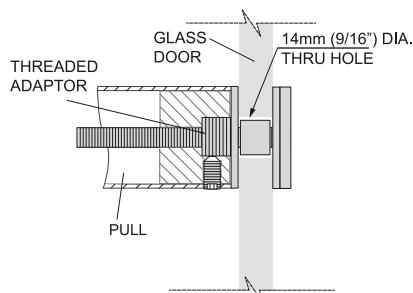
## ROUND PULL

APPLICABLE TO PULL MODELS:

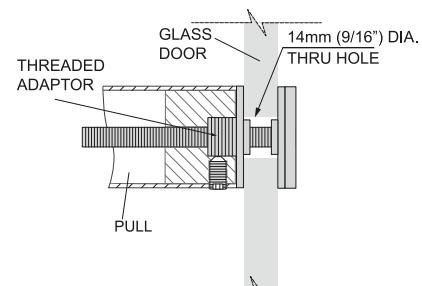
**18R** 24, 36, 48, 60, 72  
**19R** 12, 24, 36, 48, 60, 72  
**20R** 10, 24, 36, 48, 60



**GLASS DOOR MOUNTING KIT: 18R-PSGKIT-630**



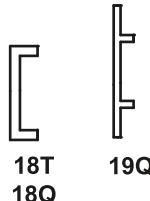
**TYPE A**  
(PLASTIC PLAIN WASHER  
WITH BUSHING)



## RECTANGULAR PULL

APPLICABLE TO PULL MODELS:

**18T** 24, 36, 48, 60, 72



## SQUARE PULL

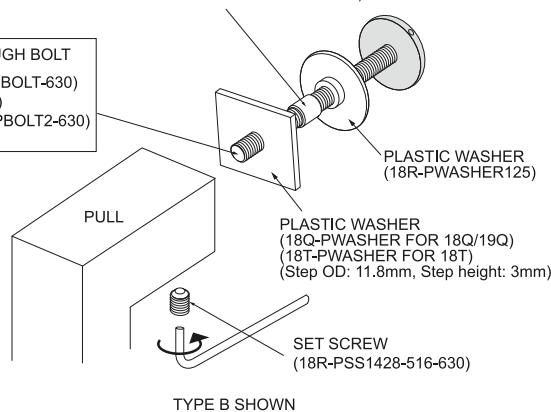
APPLICABLE TO PULL MODELS:

**18Q** 24, 36, 48, 60, 72

**19Q** 12, 24, 36, 48, 60, 72

PLASTIC BUSHING (OD: 12mm, L: 10mm)  
(OPTIONAL, USE WITH PLAIN PLASTIC  
WASHER PER TYPE A. IF REQUIRED, CUT TO FIT  
GLASS DOOR THICKNESS)

5/16" - 18 UNC THROUGH BOLT  
a) Standard bolt (18R-PBOLT-630)  
length: 3 3/8" (86mm)  
b) Use 2" bolt kit (18R-PBOLT2-630)  
for 19Q series



TYPE B SHOWN

# DOREX DOOR PULL INSTALLATION - GLASS DOOR & WOOD OR METAL DOORS (SERIES 19R-E45)

## 45 DEGREE OFFSET BACK TO BACK LADDER PULLS

FOR GLASS DOORS 8 – 13 mm (5/16 – 1/2") THICK

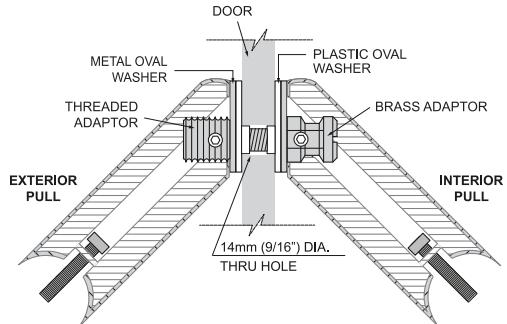
### BACK-TO-BACK (PAIRED) PULLS:

**⚠ Choose the correct threaded rod length for the required door thickness:**

GLASS DOORS: 1 7/16" (36 mm) rod

WOOD OR METAL DOORS: 1 3/4" (44.5 mm): 2 11/16" (68 mm) rod

WOOD OR METAL DOORS: 2 1/4" (57 mm): 3 1/8" (80 mm) rod

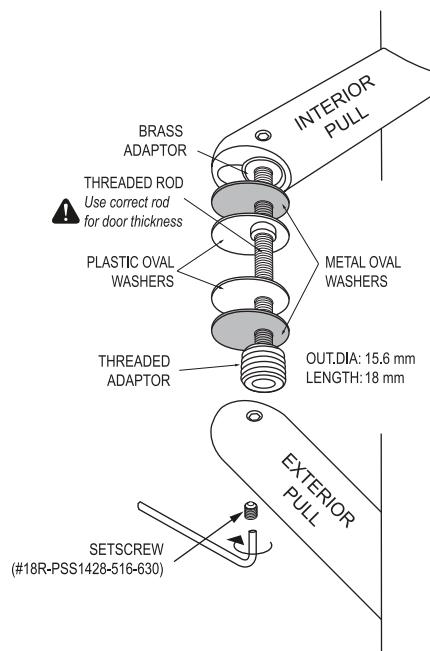


### ROUND PULL

APPLICABLE TO PULL MODELS:

19R12E45, 19R24E45, 19R36E45

19R48E45, 19R60E45



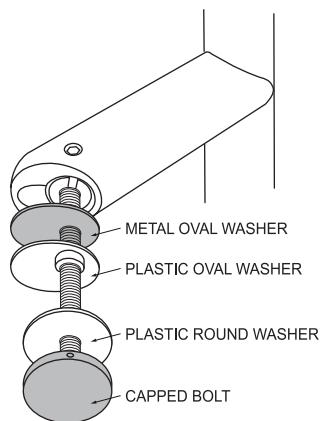
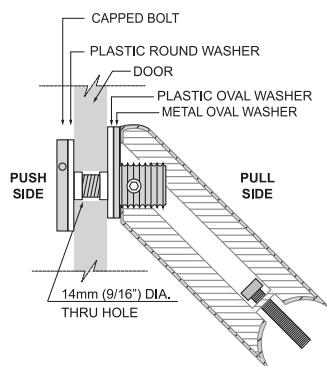
### SINGLE PULL:

**⚠ Choose the correct threaded rod length for the required door thickness:**

GLASS DOORS: 1 7/16" (36 mm) rod

WOOD OR METAL DOORS: 1 3/4" (44.5 mm): 2 11/16" (68 mm) rod

WOOD OR METAL DOORS: 2 1/4" (57 mm): 3 1/8" (80 mm) rod



# DOREX® DOOR PULL INSTALLATION - WOOD OR METAL DOOR (SERIES 18, 19 & 20)

## BACK TO BACK PULLS

FOR WOOD & METAL DOORS 35 – 57 mm (1 3/8 – 2 1/4") THICK

**ROUND PULL**

APPLICABLE TO PULL MODELS:

**18R** 24, 36, 48, 60, 72  
**19R** 12, 24, 36, 48, 60, 72  
**20R** 10, 24, 36, 48, 60

**ROUND PULL**

CONCEALED ADAPTOR (18R-PADAPTOR) (OD: 15.6mm, L: 18mm)

THREADED ADAPTOR

OUTSIDE PULL

SET SCREW (18R-PSS1428-516-630)

METAL WASHER (18R-PMWASHER)

5/16" - 18 UNC THROUGH BOLT  
 a) Standard length: 3 3/8" (86mm)  
 b) For 2-1/4" thick door, use 4" bolt (18-PBOLT4)

**RECTANGULAR PULL & SQUARE PULL**

APPLICABLE TO PULL MODELS:

**18T** 24, 36, 48, 60, 72  
**18Q** 12, 24, 36, 48, 60, 72  
**20T** 10, 24, 36, 48, 60

**RECTANGULAR & SQUARE PULLS**

FOR ONLY: 18T / 18Q / 19Q  
 5/16" - 18 UNC THROUGH BOLT  
 a) Standard length: 3 3/8" (86mm)  
 b) For 2-1/4" thick door, use 4" bolt (18-PBOLT4)

\* See page 4 for aluminum doors

## SINGLE PULL

FOR WOOD & METAL DOORS 35 – 57 mm (1 3/8 – 2 1/4") THICK

**ROUND PULL**

APPLICABLE TO PULL MODELS:

**18R** 24, 36, 48, 60, 72  
**19R** 12, 24, 36, 48, 60, 72  
**20R** 10, 24, 36, 48, 60

**ROUND PULL**

5/16" - 18 UNC THROUGH BOLT  
 Standard bolt (18R-PBOLT-630)  
 length: 3 1/2" (90mm)  
 For 2-1/4" thick door, use 4" bolt (18-PBOLT4-630)

**RECTANGULAR PULL**

APPLICABLE TO PULL MODELS:

**18T** 24, 36, 48, 60, 72  
**20T** 10, 24, 36, 48, 60

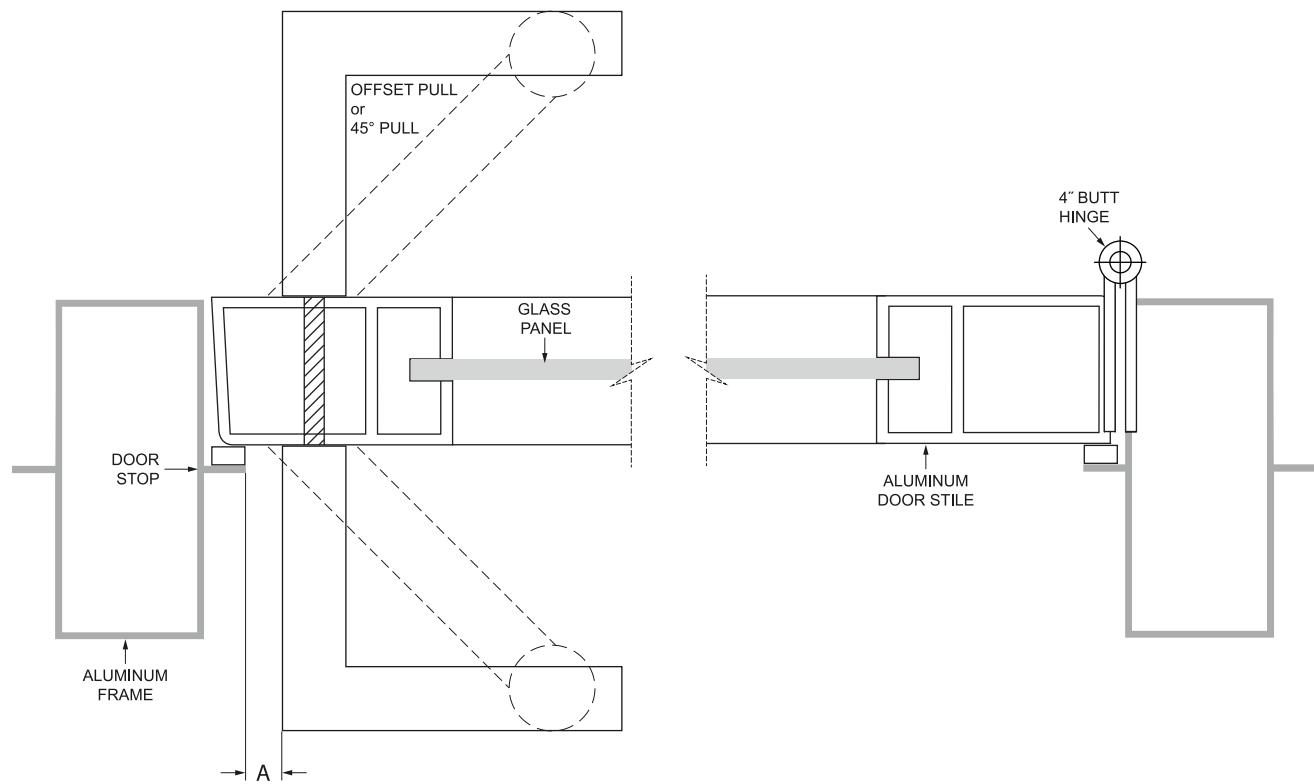
**RECTANGULAR & SQUARE PULLS**

5/16" - 18 UNC THROUGH BOLT  
 Standard bolt (18R-PBOLT-630)  
 length: 3 1/2" (90mm)  
 For 2-1/4" thick door, use 4" bolt (18R-PBOLT4-630)

\* See page 4 for aluminum doors

# DOREX DOOR PULL INSTALLATION - ALUMINUM DOOR (SERIES 20T OFFSET PULL)

## BACK TO BACK PULLS FOR ALUMINUM DOORS



Gap "A" (between door stop and pull) must be at least  $\frac{1}{2}$ " (13 mm) for aluminum doors 36" (914 mm) wide or wider, hung using standard 4" butt hinges or standard mortised aluminum continuous geared hinges.

### **Stainless Steel Care & Maintenance Guide**

Stainless steel is corrosion resistant and does not readily corrode, rust or stain. Stainless steel corrosion resistance is due to the presence of a thin, durable film of chromium oxide. Chromium oxide is inert, invisible, self-repairing and provides an unrivalled protection for the steel; should the film be damaged or removed it will regenerate, provided that oxygen is present to allow the chromium content of the steel to react with it.

Surface contaminants hinder the ability of stainless steel to regenerate its protective film, allowing dark brown spots to occur on its surface. Thus routine maintenance and cleanliness are essential to ensure the quality and appearance of the stainless steel product.

#### **Recommended Maintenance**

- Clean stainless steel surfaces regularly using a mild cleaning agent to remove any surface contaminants.
- After cleaning, use CLEAN water to remove traces of the cleaning agent from the stainless steel surface.
- Thoroughly dry the stainless steel surface with a soft, clean cloth.

Stainless steel products exposed to aggressive conditions, such as offshore, marine and swimming pool environments, it is important that cleaning occurs more frequently for optimum appearance.

#### **Discoloration**

If damage or spots appear on the surface it may be due to impurities in the water, the air or cleaning agents that have not been thoroughly removed from the surface during the recommended maintenance of the product.

#### **Warning! Avoid the following:**

- Scouring powders
- Acidic or high chloride cleaners
- Salt (de-icing)
- Steel wool or brushes
- Strong abrasive materials
- Immersing the product in any liquid.
- Exposing the product in highly corrosive environment.

If damage or spots persistently appear on the surface after the recommended maintenance has been observed, stainless steel cleaners that clean and protect the metal may be used with care. The cleaning product must be applied on the stainless steel as instructed by its manufacturer.