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# DZUS Panex® D3 Quarter-Turn Fasteners
## --- IMPORTANT INFORMATION ---

DZUS® QUICK ACCESS

**The D3 product line has transitioned to the D8 product line.**

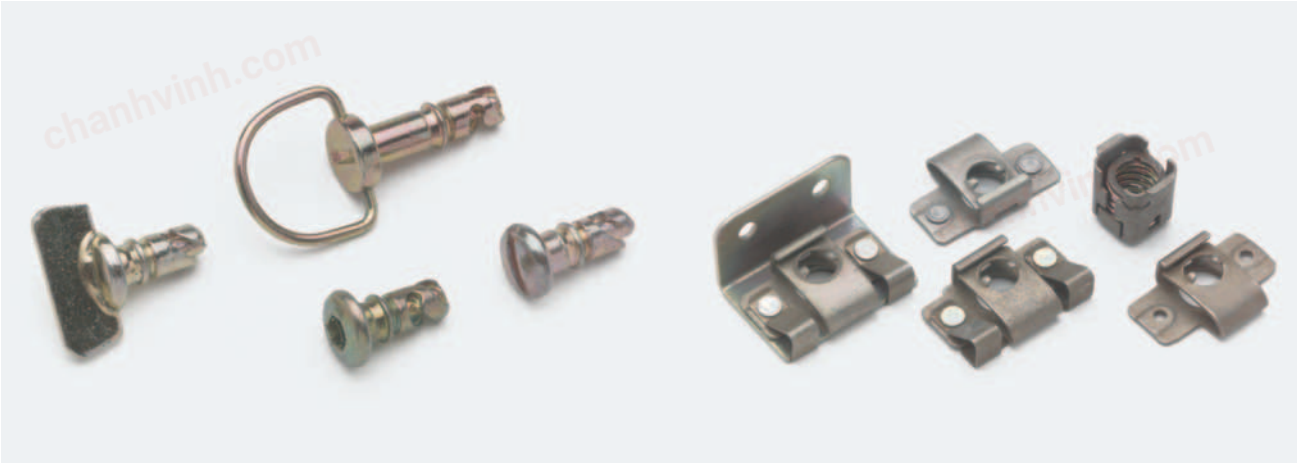
**Please see the D8 Product Class Page or contact us at info@southco.com for more information.**

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# DZUS® Panex® D3 Quarter-Turn Fasteners - Introduction

DZUS® QUICK ACCESS



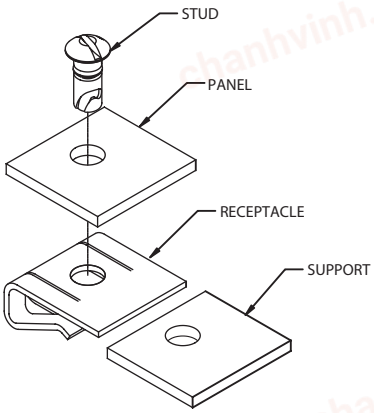
### Typical Applications

- Off-Highway Vehicles
- Motorcycle Fairings
- Domestic Boiler/Controls
- Air Conditioning Unit Access Panels
- CCTV Camera Covers
- Lighting Luminaries
- Wall Cladding
- Protective Helmets

## Panex Quarter-Turn Fasteners

The finest achievement in Quarter-Turn fastener technology. Each Panex stud is individually milled to exact tolerances and receptacles are available in a wide range of designs. Most head styles are precisely aligned to the cam, allowing designers to consider the aesthetic benefits of specifying Panex as well as the practical, cost-effective advantages of Quarter-Turn fastener technology. A range of surface finishes and stainless steel variants are also available.

### Panex Assembly

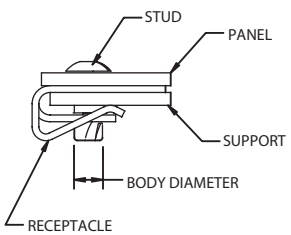



Panex fastener components consist of a spiral-cam stud, a stud retainer (not shown) and a receptacle (clip-on shown).

Panex receptacles typically snap in or clip onto the support panel.

Panex Assemblies:

- Robust Quarter-Turn Fastening
- Positive Stop
- Vibration resistant detent feature
- Available in variety of finishes



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# DZUS® Panex® D3 Quarter-Turn Fasteners - Introduction

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## Panex® Selection Process

### Step 1 – Select Receptacle Style

Choice of a Panex receptacle is a balance of load handling requirements and installation method. Select a preferred mounting style from those shown at right. Each style is not available in all sizes, so Step 2 is important.

### Step 2 – Select Receptacle Size

Use the Panex Performance Chart to select the receptacle size that best meets your performance requirments.

### Step 3 – Select Stud Style

Panex studs are shown following the receptacle pages in each size section. Performance is the same for each stud, so selection is based on head style and finish. The 6 mm size studs also offer a selection of **Partial Ejecting** versions. The length of the stud is determined by calculating Total Material Thickness (TMT) as defined on the receptacle pages.

### Step 4 – Select Options

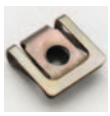
In addition to a choice of stud retainers, Panex studs also offer Head Cup and Retaining Spring options.

**NOTE:** *All Dimensions in metric units. Calculations should be done in metric units.*

Installation Guidelines can be found on the DZUS Panex Quarter Turn Installation pages.

All dimensions on this page are in millimeters.

### Receptacle Styles


*Clip-On*


*Right Angle Bracket*


*Front Load Clip-In*


*Rivet Plate*


*Weld Plate*


*Press-In Insert*


*Self-Clinching Insert*

**Clip-On –** Slip-Onto edge of support panel.

**Right Angle Bracket –** Used on support panels perpendicular to stud panel.

**Front Load Clip-In –** Clip-Into a prepared hole anywhere in the support panel (9mm only).

**Rivet Plate –** Rivet mount onto support panel.

**Weld Plate –** Rivet mount onto support panel.

**Press-In Insert –** Suitable for soft metals and thermoplastics. Press or ultrasonic installation.

**Self-Clinching Insert –** Press-in installation from rear of support panel.

### Panex Performance Chart

| Stud Size | Receptacle Style | Receptacle Strength[1] | Max. Total Material Thickness (TMT)[2] |
|---|---|---|---|
| 4mm | Clip-On | 30 lbs. | 1.5 to 32.4 mm |
| | Right Angle Bracket | 30 lbs. | 1.5 to 32.4 mm |
| | Front Load Clip-In | 12 lbs. | 1.5 to 28.4 mm |
| | Rivet Plate | 30 lbs | 1.0 to 31.9 mm |
| | Weld Plate | 30 lbs | 1.0 to 31.9 mm |
| | Press-In Insert | — | 0.7 to 29.6 mm |
| | Self-Clinching Insert | — | 1.7 to 30.6 mm |
| 6mm | Mini Clip-On | 45 lbs. | 2.5 to 31.4 mm |
| | Clip-On | 50 lbs. | 1.5 to 31.4 mm |
| | Right Angle Bracket | 50 lbs. | 1.5 to 31.4 mm |
| | Front Load Clip-In | 18 lbs. | 0.8 to 27.7 mm |
| | Rivet Plate | 54 lbs. | 1.5 to 31.4 mm |
| | Weld Plate | 54 lbs. | 1.5 to 31.4 mm |
| | Press-In Insert | — | 0.7 to 27.6 mm |
| | Self-Clinching Insert | — | 1.7 to 28.6 mm |
| 9mm | Clip-On | 61 lbs. | 2.0 to 28.9 mm |
| | Right Angle Bracket | 61 lbs. | 2.0 to 28.9 mm |
| | Front Load Clip-In | 23 lbs. | 2.5 to 17.4 mm |
| | Rivet Plate | 65 lbs. | 2.0 to 28.9 mm |
| | Weld Plate | 65 lbs. | 2.0 to 28.9 mm |

**Notes:**
1. *Maximum load without distortion.*
2. *See specific receptacle page for TMT specification.*

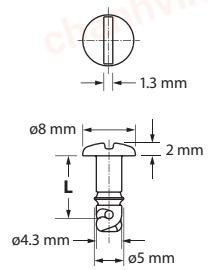
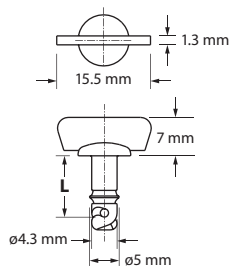
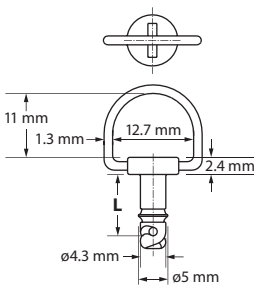
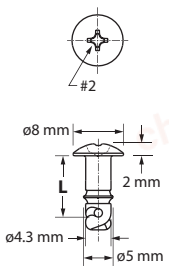
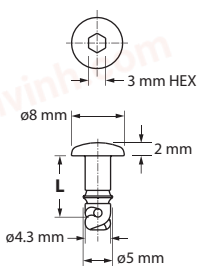
**Additional installation information is located at the end of this section.**

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# DZUS® Panex® D3 Quarter-Turn Stud & Retainer
# 4 mm

DZUS® QUICK ACCESS

## Stud Head Styles

| Slotted | Wing | Bail | Phillips Recess | Hex Recess |
|---|---|---|---|---|
|  |  |  |  |  |
| D3-314-1 | D3-314-3 | D3- 314-4 | D3-314-7 | D3-314-2 |

**Note:**
*L = Stud Length Number in mm.*

## Additional Stud Dimensions

**L Dimension** - The stud length (L) depends on the type of receptacle chosen and the thickness of your materials. Use the tables provided with each type of receptacle to determine the proper receptacle size and stud length needed for your application.

## Standard Material and Finishes

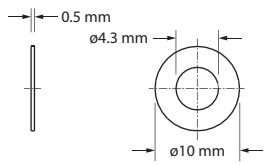
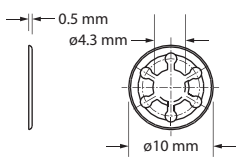
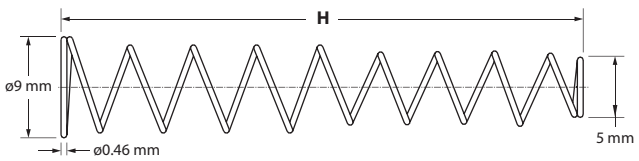
**Material:** Case hardened steel.
**Finish:** Zinc plate and chromate.

## Panex Stud Part Numbers

**D3-314-1(L)-190**

- Finish – **90** = Zinc Plate with Chromate
  **91** = Zinc Plate with Black Chromate
  **70** = Bright Chrome
- Material (Steel)
- Stud Length Number – Determined on Receptacle selection pages
- Basic Part No. - From Studs table (above)

## Retainers

| Plastic | Steel | Retaining Spring | | | |
|---|---|---|---|---|---|
|  |  |  MUST BE SECURED WITH STEEL RETAINER | | | |
| **Part No.** | **Part No.** | **H Dim.** | **X Min.** | **X Max.** | **Part No.** |
| **D3-324-100-040** | **D3-324-101-190** | 48 mm | 14 mm | 44 mm | **D3-324-200-200** |
| | | 20 mm | 5 mm | 16 mm | **D3-324-201-200** |

## Standard Material and Finishes

**Plastic Retainer:** High density polyethylene, natural
**Steel Retainer:** Spring steel, zinc plate and chromate
**Retaining Spring:** Stainless steel

All dimensions on this page are in millimeters.

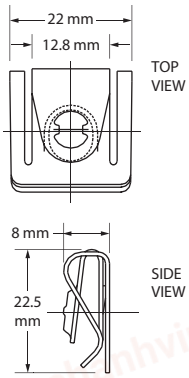
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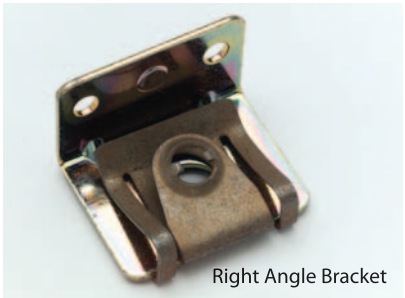
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Clip-On, Right Angle Bracket – 4 mm

DZUS® QUICK ACCESS

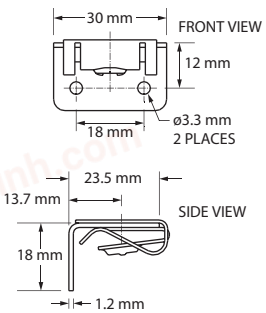



| Part Number | D3-334-300-190 |
|---|---|




| Part Number | D3-334-310-190 |
|---|---|




## Material & Finish

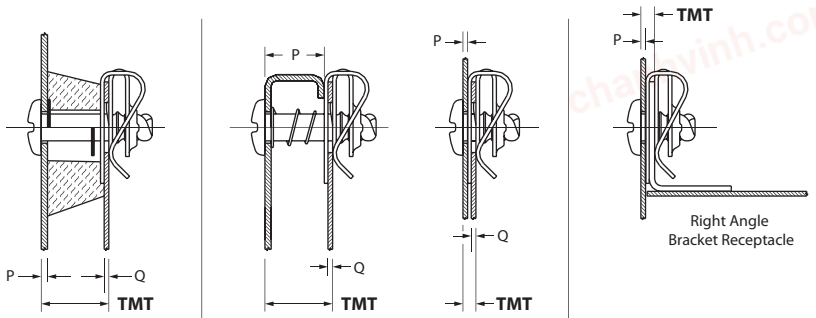
**Clip-On Receptacle:** Spring steel
**Bracket Receptacle:** Steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 30 lbs.
**Maximum Torque:** 23 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q + 0.7 mm | **TMT** = P + 1.9 mm

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.5 to 2.4 mm | 08 |
| 2.5 to 3.4 mm | 09 |
| 3.5 to 4.4 mm | 10 |
| 4.5 to 5.4 mm | 11 |
| 5.5 to 6.4 mm | 12 |
| 6.5 to 7.4 mm | 13 |
| 7.5 to 8.4 mm | 14 |
| 8.5 to 9.4 mm | 15 |
| 9.5 to 10.4 mm | 16 |
| 10.5 to 11.4 mm | 17 |
| 11.5 to 12.4 mm | 18 |
| 12.5 to 13.4 mm | 19 |
| 13.5 to 14.4 mm | 20 |
| 14.5 to 15.4 mm | 21 |
| 15.5 to 16.4 mm | 22 |
| 16.5 to 17.4 mm | 23 |
| 17.5 to 18.4 mm | 24 |
| 18.5 to 19.4 mm | 25 |
| 19.5 to 20.4 mm | 26 |
| 20.5 to 21.4 mm | 27 |
| 21.5 to 22.4 mm | 28 |
| 22.5 to 23.4 mm | 29 |
| 23.5 to 24.4 mm | 30 |
| 24.5 to 25.4 mm | 31 |
| 25.5 to 26.4 mm | 32 |
| 26.5 to 27.4 mm | 33 |
| 27.5 to 28.4 mm | 34 |
| 28.5 to 29.4 mm | 35 |
| 29.5 to 30.4 mm | 36 |
| 30.5 to 31.4 mm | 37 |
| 31.5 to 32.4 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-314-130-190** *for a 4 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**







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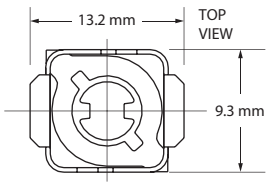
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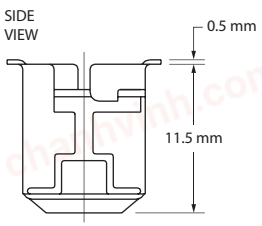
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Front Load, Clip-In – 4 mm

DZUS® QUICK ACCESS




| Part Number | D3-334-200-190 |
|---|---|




## Material & Finish

**Material:** Spring steel
**Finish:** Zinc plate and chromate

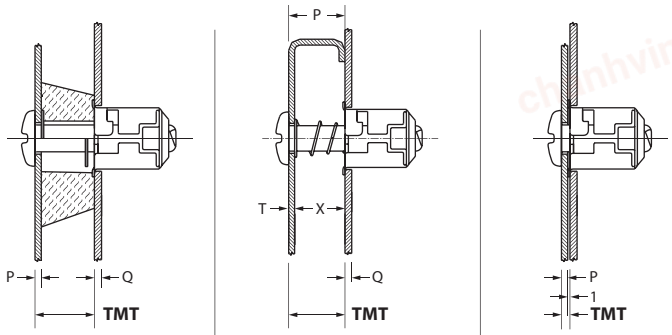
## Mechanical

**Maximum Load without Distortion:** 12 lbs.
**Maximum Torque:** 23 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Gasket | **TMT** = P | **TMT** = P + 1.0 mm (Includes Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.5 to 2.4 mm | 12 |
| 2.5 to 3.4 mm | 13 |
| 3.5 to 4.4 mm | 14 |
| 4.5 to 5.4 mm | 15 |
| 5.5 to 6.4 mm | 16 |
| 6.5 to 7.4 mm | 17 |
| 7.5 to 8.4 mm | 18 |
| 8.5 to 9.4 mm | 19 |
| 9.5 to 10.4 mm | 20 |
| 10.5 to 11.4 mm | 21 |
| 11.5 to 12.4 mm | 22 |
| 12.5 to 13.4 mm | 23 |
| 13.5 to 14.4 mm | 24 |
| 14.5 to 15.4 mm | 25 |
| 15.5 to 16.4 mm | 26 |
| 16.5 to 17.4 mm | 27 |
| 17.5 to 18.4 mm | 28 |
| 18.5 to 19.4 mm | 29 |
| 19.5 to 20.4 mm | 30 |
| 20.5 to 21.4 mm | 31 |
| 21.5 to 22.4 mm | 32 |
| 22.5 to 23.4 mm | 33 |
| 23.5 to 24.4 mm | 34 |
| 24.5 to 25.4 mm | 35 |
| 25.5 to 26.4 mm | 36 |
| 26.5 to 27.4 mm | 37 |
| 27.5 to 28.4 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-314-134-190** *for a 4 mm slotted stud.*

**Additional installation information is located at the end of this section.**

Quick Access Fasteners

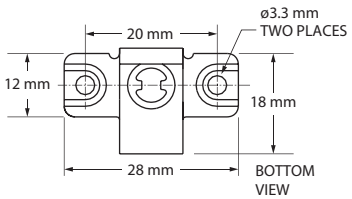
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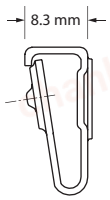
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Rivet Plate – 4 mm

DZUS® QUICK ACCESS




| Part Number | D3-334-400-190 |
|---|---|




## Material & Finish

**Material:** Spring steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 30 lbs.
**Maximum Torque:** 23 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.

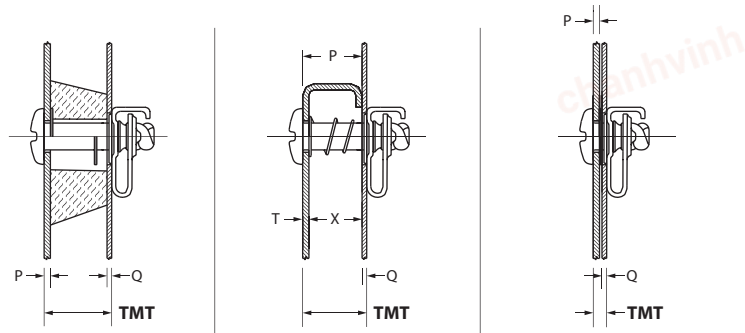



**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.0 to 1.9 mm | 08 |
| 2.0 to 2.9 mm | 09 |
| 3.0 to 3.9 mm | 10 |
| 4.0 to 4.9 mm | 11 |
| 5.0 to 5.9 mm | 12 |
| 6.0 to 6.9 mm | 13 |
| 7.0 to 7.9 mm | 14 |
| 8.0 to 8.9 mm | 15 |
| 9.0 to 9.9 mm | 16 |
| 10.0 to 10.9 mm | 17 |
| 11.0 to 11.9 mm | 18 |
| 12.0 to 12.9 mm | 19 |
| 13.0 to 13.9 mm | 20 |
| 14.0 to 14.9 mm | 21 |
| 15.0 to 15.9 mm | 22 |
| 16.0 to 16.9 mm | 23 |
| 17.0 to 17.9 mm | 24 |
| 18.0 to 18.9 mm | 25 |
| 19.0 to 19.9 mm | 26 |
| 20.0 to 20.9 mm | 27 |
| 21.0 to 21.9 mm | 28 |
| 22.0 to 22.9 mm | 29 |
| 23.0 to 23.9 mm | 30 |
| 24.0 to 24.9 mm | 31 |
| 25.0 to 25.9 mm | 32 |
| 26.0 to 26.9 mm | 33 |
| 27.0 to 27.9 mm | 34 |
| 28.0 to 28.9 mm | 35 |
| 29.0 to 29.9 mm | 36 |
| 30.0 to 30.9 mm | 37 |
| 31.0 to 31.9 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-314-131-190** *for a 4 mm slotted stud.*

**Additional installation information is located at the end of this section.**







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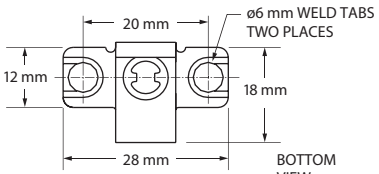
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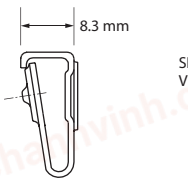
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Weld Plate – 4 mm

DZUS® QUICK ACCESS


Weld Plate

| Part Number | D3-334-500-190 |
|---|---|




## Material & Finish

**Material:** Spring steel
**Finish:** Zinc plate and chromate

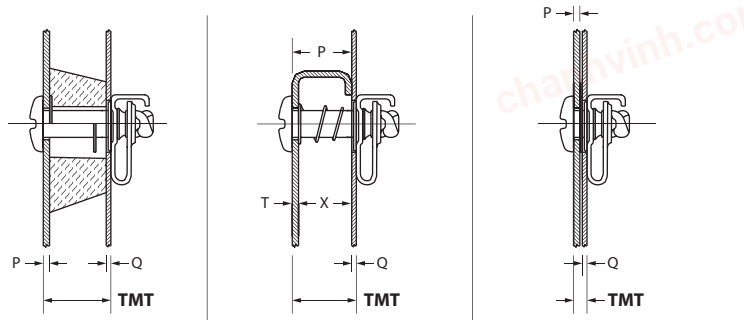
## Mechanical

**Maximum Load without Distortion:** 30 lbs.
**Maximum Torque:** 23 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q | **TMT** = P + Q + 0.5 mm (Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.0 to 1.9 mm | 08 |
| 2.0 to 2.9 mm | 09 |
| 3.0 to 3.9 mm | 10 |
| 4.0 to 4.9 mm | 11 |
| 5.0 to 5.9 mm | 12 |
| 6.0 to 6.9 mm | 13 |
| 7.0 to 7.9 mm | 14 |
| 8.0 to 8.9 mm | 15 |
| 9.0 to 9.9 mm | 16 |
| 10.0 to 10.9 mm | 17 |
| 11.0 to 11.9 mm | 18 |
| 12.0 to 12.9 mm | 19 |
| 13.0 to 13.9 mm | 20 |
| 14.0 to 14.9 mm | 21 |
| 15.0 to 15.9 mm | 22 |
| 16.0 to 16.9 mm | 23 |
| 17.0 to 17.9 mm | 24 |
| 18.0 to 18.9 mm | 25 |
| 19.0 to 19.9 mm | 26 |
| 20.0 to 20.9 mm | 27 |
| 21.0 to 21.9 mm | 28 |
| 22.0 to 22.9 mm | 29 |
| 23.0 to 23.9 mm | 30 |
| 24.0 to 24.9 mm | 31 |
| 25.0 to 25.9 mm | 32 |
| 26.0 to 26.9 mm | 33 |
| 27.0 to 27.9 mm | 34 |
| 28.0 to 28.9 mm | 35 |
| 29.0 to 29.9 mm | 36 |
| 30.0 to 30.9 mm | 37 |
| 31.0 to 31.9 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-314-131-190** *for a 4 mm slotted stud.*

**Additional installation information is located at the end of this section.**

Quick Access Fasteners

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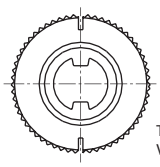
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Front Mount Insert – 4 mm

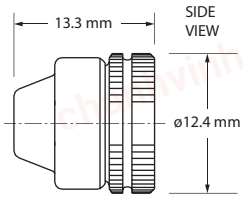
DZUS® QUICK ACCESS



Front Mount Insert

| Part Number | D3-334-100-300 |
|---|---|




## Material

Brass and plated steel

## Mechanical

**Installation Load:** 2025 lbs.
**Maximum Torque:** 23 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.

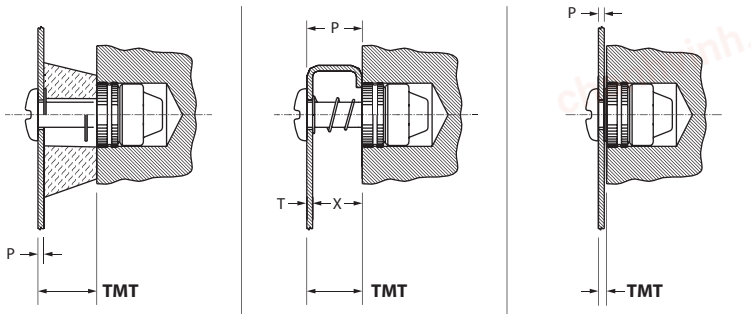



**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 0.7 to 1.6 mm | 10 |
| 1.7 to 2.6 mm | 11 |
| 2.7 to 3.6 mm | 12 |
| 3.7 to 4.6 mm | 13 |
| 4.7 to 5.6 mm | 14 |
| 5.7 to 6.6 mm | 15 |
| 6.7 to 7.6 mm | 16 |
| 7.7 to 8.6 mm | 17 |
| 8.7 to 9.6 mm | 18 |
| 9.7 to 10.6 mm | 19 |
| 10.7 to 11.6 mm | 20 |
| 11.7 to 12.6 mm | 21 |
| 12.7 to 13.6 mm | 22 |
| 13.7 to 14.6 mm | 23 |
| 14.7 to 15.6 mm | 24 |
| 15.7 to 16.6 mm | 25 |
| 16.7 to 17.6 mm | 26 |
| 17.7 to 18.6 mm | 27 |
| 18.7 to 19.6 mm | 28 |
| 19.7 to 20.6 mm | 29 |
| 20.7 to 21.6 mm | 30 |
| 21.7 to 22.6 mm | 31 |
| 22.7 to 23.6 mm | 32 |
| 23.7 to 24.6 mm | 33 |
| 24.7 to 25.6 mm | 34 |
| 25.7 to 26.6 mm | 35 |
| 26.7 to 27.6 mm | 36 |
| 27.7 to 28.6 mm | 37 |
| 28.7 to 29.6 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-314-133-190** *for a 4 mm slotted stud.*

**Additional installation information is located at the end of this section.**







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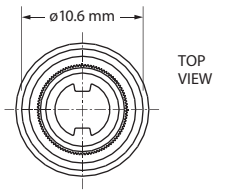
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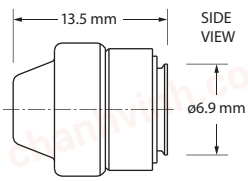
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Self-Clinching Insert – 4 mm

DZUS® QUICK ACCESS




| Part Number | D3-334-110-190 |
|---|---|




## Material & Finish

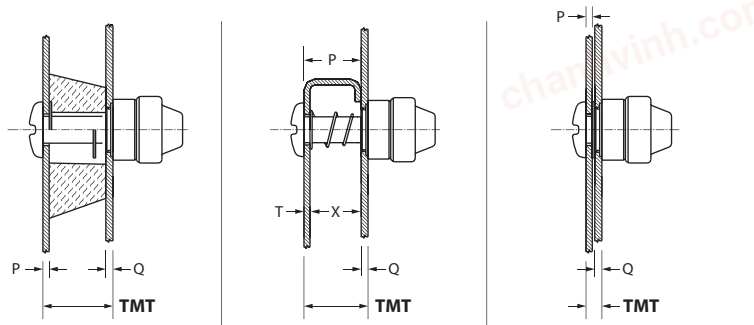
**Material:** Steel
**Finish:** Zinc plate and chromate

## Mechanical

**Installation Load:** 2700 lbs.
**Maximum Torque:** 23 lbs.-in.
**Minimum Panel Thickness:** 1.3 mm

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q | **TMT** = P + Q + 0.5 mm (Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.7 to 2.6 mm | 10 |
| 2.7 to 3.6 mm | 11 |
| 3.7 to 4.6 mm | 12 |
| 4.7 to 5.6 mm | 13 |
| 5.7 to 6.6 mm | 14 |
| 6.7 to 7.6 mm | 15 |
| 7.7 to 8.6 mm | 16 |
| 8.7 to 9.6 mm | 17 |
| 9.7 to 10.6 mm | 18 |
| 10.7 to 11.6 mm | 19 |
| 11.7 to 12.6 mm | 20 |
| 12.7 to 13.6 mm | 21 |
| 13.7 to 14.6 mm | 22 |
| 14.7 to 15.6 mm | 23 |
| 15.7 to 16.6 mm | 24 |
| 16.7 to 17.6 mm | 25 |
| 17.7 to 18.6 mm | 26 |
| 18.7 to 19.6 mm | 27 |
| 19.7 to 20.6 mm | 28 |
| 20.7 to 21.6 mm | 29 |
| 21.7 to 22.6 mm | 30 |
| 22.7 to 23.6 mm | 31 |
| 23.7 to 24.6 mm | 32 |
| 24.7 to 25.6 mm | 33 |
| 25.7 to 26.6 mm | 34 |
| 26.7 to 27.6 mm | 35 |
| 27.7 to 28.6 mm | 36 |
| 28.7 to 29.6 mm | 37 |
| 29.7 to 30.6 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-314-132-190** *for a 4 mm slotted stud.*

All dimensions on this page are in millimeters.

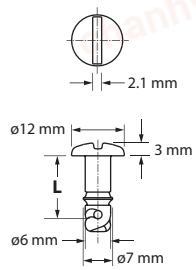
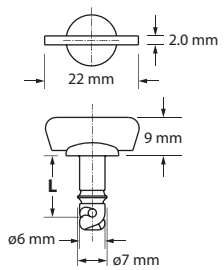
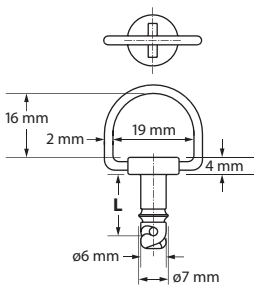
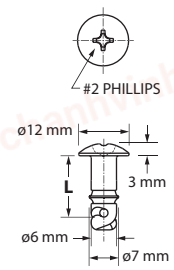
**Additional installation information is located at the end of this section.**

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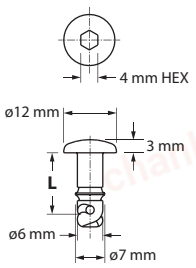
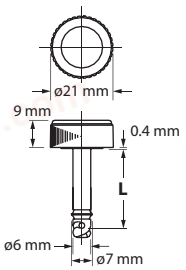
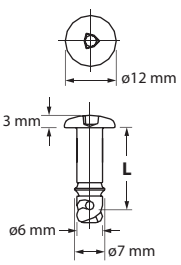
# DZUS® Panex® D3 Quarter-Turn Stud
# 6 mm

DZUS® QUICK ACCESS

## Stud Head Styles

| Slotted | Wing | Bail | Phillips Recess |
|---|---|---|---|
|  |  |  |  |
| **D3-316-1** | **D3-316-3** | **D3-316-4** | **D3-316-7** |

**Note:**
*L = Stud Length Number in mm.*

| Hex Recess | Molded Knob[1] | Tamper Resistant[2] |
|---|---|---|
|  |  |  |
| **D3-316-2** | **D3-316-8** | **D3-316-6** |

**Notes:**
1. *Knob is thermoplastic. 500 piece minimum order.*
2. *1000 piece minimum order.*


Key for
Tamper Resistant Stud

**Part Number: D3-316-007-969**

### Material & Finish

**Knob:** Thermoplastic.
**Key:** Steel with zinc plate and chromate.

### Additional Stud Dimensions

**L Dimension** - The stud length (L) depends on the type of receptacle chosen and the thickness of your materials. Use the tables provided with each type of receptacle to determine the proper receptacle size and stud length needed for your application.

### Material & Finish

**Material:** Case hardened steel
**Finish:** Zinc plate with chromate

### Panex Stud Part Numbers

**D3-316-1(L)-190**

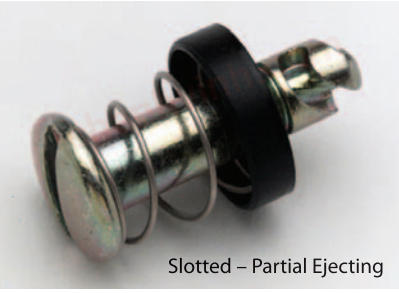
- Basic Part No. - From Studs tables (above)
- Stud Length Number – Determined on Receptacle selection pages
- Material (Steel)
- Finish – **90** = Zinc Plate with Chromate
  **91** = Zinc Plate with Black Chromate
  **70** = Bright Chrome

All dimensions on this page are in millimeters.

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# DZUS® Panex® D3 Quarter-Turn Stud
# Partial Ejecting – 6 mm

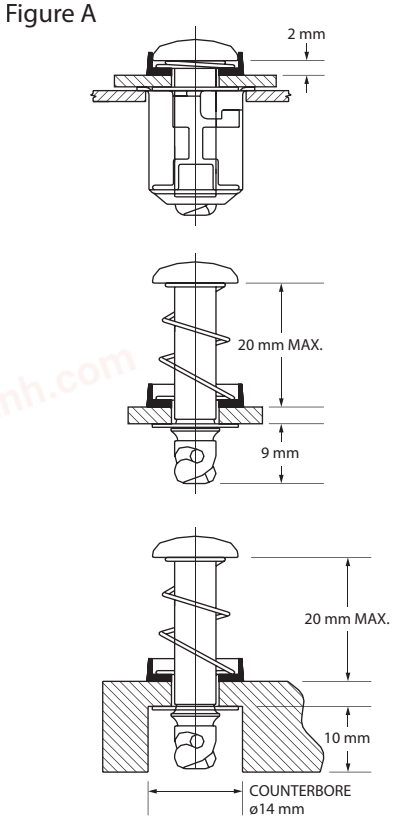
DZUS® QUICK ACCESS


Slotted – Partial Ejecting


Wing – Partial Ejecting


Hex – Partial Ejecting

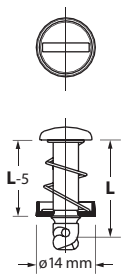
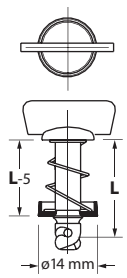
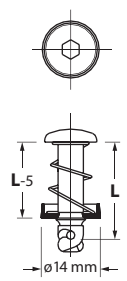
Figure A




### Partial Ejecting Stud Selection

1. Partial Ejecting Studs are supplied as assemblies.
2. Using the TMT dimension tables on the 6 mm receptacle pages, calculate the TMT and add 2.0 mm.
3. Find the applicable range that applies to your calculated TMT and the Stud Length Number stated to the right of the applicable range.
4. Insert the Stud Length Number into the Stud Assembly Part Number. See sample part number below. Ring and Knob heads are not available as partial ejecting.
5. Check that when ejected, the space for the cup and spring does not exceed 20 mm. (See Figure A)

## Partial Ejecting Stud Head Styles

| Slotted | Wing | Hex Recess |
|---|---|---|
|  |  |  |
| **D3-376-1** | **D3-376-3** | **D3-376-2** |



**Note:**
*L = Stud Length Number in mm.*

## Additional Stud Dimensions

**L Dimension** - The stud length (L) depends on the type of receptacle chosen and the thickness of your materials. Use the tables provided with each type of receptacle to determine the stud length needed for your application.

## Material & Finish

**Stud:** Case hardened steel.
**Cup:** Black thermoplastic.
**Finish:** Zinc plate and chromate.

## Panex Stud Part Numbers

**D3-376-1(L)-190**

- Finish – **90** = Zinc Plate with Chromate
  **91** = Zinc Plate with Black Chromate
  **70** = Bright Chrome
- Material (Steel)
- Stud Length Number – Determined on Receptacle selection pages. Add 2mm to TMT for partial ejecting stud assembly
- Basic Part No. - From Studs table (above)

All dimensions on this page are in millimeters.

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# DZUS® Panex® D3 Head Embellisher & Retainer 6mm

DZUS® QUICK ACCESS

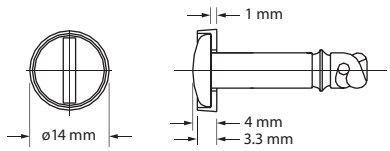
## Stud Head Embellisher



**Material:** Black thermoplastic.

### Embellisher Stud Selection

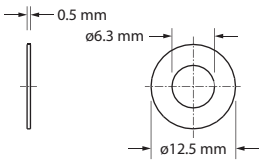
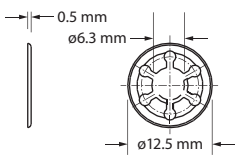
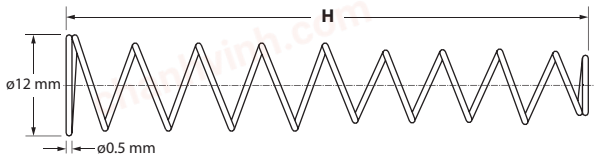
1. Cups should be ordered as separate components.
2. Using the TMT dimension tables on the 6mm receptacle pages, calculate the TMT and add 1.0 mm.
3. Find the applicable range that applies to your calculated TMT and the Stud Length Number stated to the right of the applicable range.
4. Insert the Stud Length Number into the Stud Assembly Part Number. See sample part number below. Stud embellisher is not for use with ring, wing or knob head styles.




**Embellisher Part Number: D3-376-001-049**

**Note:** *Embellisher only available for tool recess head styles (slotted, Phillips, Hex, Tamper resistant).*

## Retainers

| Plastic[1] | Steel | Retaining Spring | | | |
|---|---|---|---|---|---|
|   |   |   MUST BE SECURED WITH STEEL RETAINER | | | |
| **Part No.** | **Part No.** | **H Dim.** | **X Min.** | **X Max.** | **Part No.** |
| **D3-326-100-040** | **D3-326-101-190** | 48 mm | 19 mm | 44 mm | **D3-326-200-200** |
| | | 25 mm | 5 mm | 21 mm | **D3-326-201-200** |

**Note:**
1. *Not to be used on Molded Knob studs, part number* **D3-316-8XX-XXX**.

## Material & Finish

**Plastic Retainer:** High density polyethylene, natural
**Steel Retainer:** Spring steel, zinc plate and chromate
**Retaining Spring:** Stainless steel

All dimensions on this page are in millimeters.

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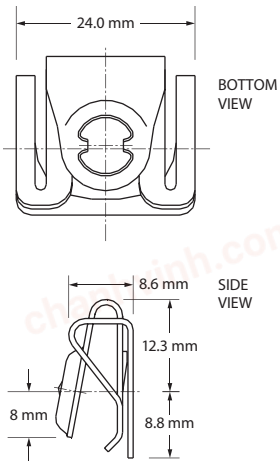
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Mini Clip-On – 6 mm

DZUS® QUICK ACCESS


Mini Clip-On

| Part Number | D3-336-330-130* |
|---|---|

** For minimum orders of 10,000 pieces*




## Material & Finish

**Material:** Spring steel
**Finish:** Organic silver

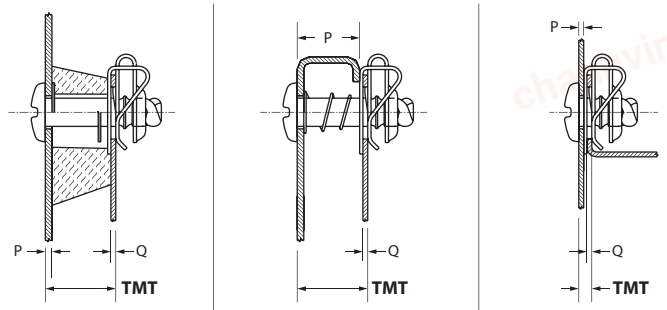
## Mechanical

**Maximum Load without Distortion:** 45 lbs.
**Maximum Torque:** 31 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q + 0.7 mm | **TMT** = P + Q + 0.7 mm (Includes Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 2.5 to 3.4 mm | 10 |
| 3.5 to 4.4 mm | 11 |
| 4.5 to 5.4 mm | 12 |
| 5.5 to 6.4 mm | 13 |
| 6.5 to 7.4 mm | 14 |
| 7.5 to 8.4 mm | 15 |
| 8.5 to 9.4 mm | 16 |
| 9.5 to 10.4 mm | 17 |
| 10.5 to 11.4 mm | 18 |
| 11.5 to 12.4 mm | 19 |
| 12.5 to 13.4 mm | 20 |
| 13.5 to 14.4 mm | 21 |
| 14.5 to 15.4 mm | 22 |
| 15.5 to 16.4 mm | 23 |
| 16.5 to 17.4 mm | 24 |
| 17.5 to 18.4 mm | 25 |
| 18.5 to 19.4 mm | 26 |
| 19.5 to 20.4 mm | 27 |
| 20.5 to 21.4 mm | 28 |
| 21.5 to 22.4 mm | 29 |
| 22.5 to 23.4 mm | 30 |
| 23.5 to 24.4 mm | 31 |
| 24.5 to 25.4 mm | 32 |
| 25.5 to 26.4 mm | 33 |
| 26.5 to 27.4 mm | 34 |
| 27.5 to 28.4 mm | 35 |
| 28.5 to 29.4 mm | 36 |
| 29.5 to 30.4 mm | 37 |
| 30.5 to 31.4 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-316-131-190** *for a 6 mm slotted stud.*

**Additional installation information is located at the end of this section.**

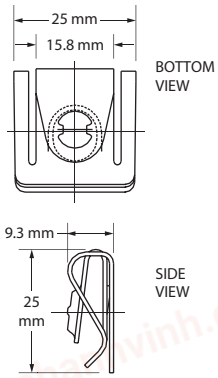
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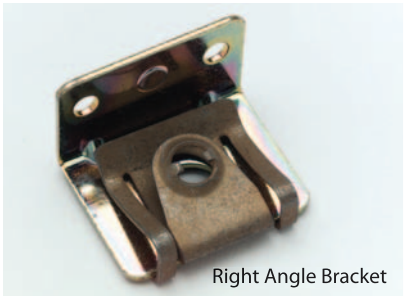
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Clip-On, Right Angle Bracket – 6 mm

DZUS® QUICK ACCESS

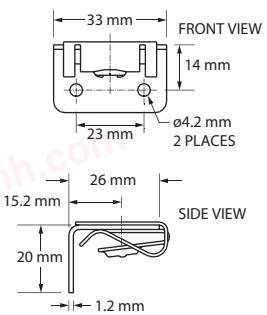

Clip-On

| Part Number | D3-336-300-190 |
|---|---|





Right Angle Bracket

| Part Number | D3-336-310-190 |
|---|---|




## Material & Finish

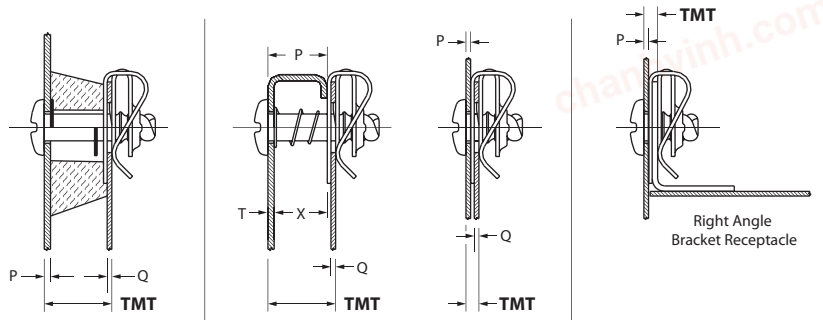
**Clip-On Receptacle:** Spring steel
**Bracket Receptacle:** Steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 50 lbs.
**Maximum Torque:** 31 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q + 0.8 mm | **TMT** = P + 2.0 mm

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.5 to 2.4 mm | 09 |
| 2.5 to 3.4 mm | 10 |
| 3.5 to 4.4 mm | 11 |
| 4.5 to 5.4 mm | 12 |
| 5.5 to 6.4 mm | 13 |
| 6.5 to 7.4 mm | 14 |
| 7.5 to 8.4 mm | 15 |
| 8.5 to 9.4 mm | 16 |
| 9.5 to 10.4 mm | 17 |
| 10.5 to 11.4 mm | 18 |
| 11.5 to 12.4 mm | 19 |
| 12.5 to 13.4 mm | 20 |
| 13.5 to 14.4 mm | 21 |
| 14.5 to 15.4 mm | 22 |
| 15.5 to 16.4 mm | 23 |
| 16.5 to 17.4 mm | 24 |
| 17.5 to 18.4 mm | 25 |
| 18.5 to 19.4 mm | 26 |
| 19.5 to 20.4 mm | 27 |
| 20.5 to 21.4 mm | 28 |
| 21.5 to 22.4 mm | 29 |
| 22.5 to 23.4 mm | 30 |
| 23.5 to 24.4 mm | 31 |
| 24.5 to 25.4 mm | 32 |
| 25.5 to 26.4 mm | 33 |
| 26.5 to 27.4 mm | 34 |
| 27.5 to 28.4 mm | 35 |
| 28.5 to 29.4 mm | 36 |
| 29.5 to 30.4 mm | 37 |
| 30.5 to 31.4 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-316-131-190** *for a 6 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**







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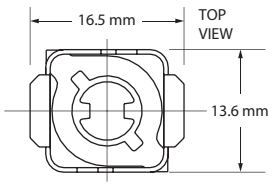
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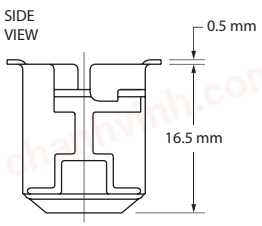
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Front Load, Clip-In – 6 mm

DZUS® QUICK ACCESS




| Part Number | D3-336-200-190 |
|---|---|




## Material & Finish

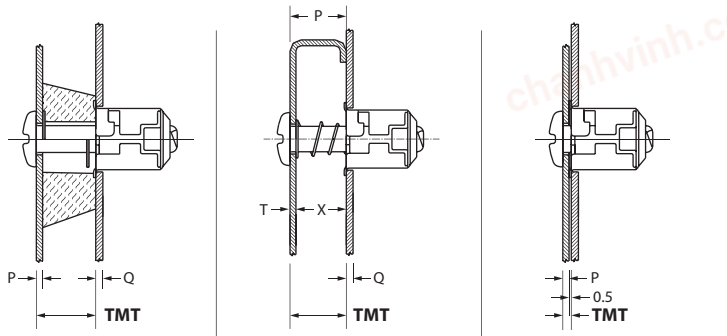
**Material:** Spring steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 18 lbs.
**Maximum Torque:** 31 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Gasket | **TMT** = P | **TMT** = P + 0.5 mm (Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 0.8 to 1.7 mm | 16 |
| 1.8 to 2.7 mm | 17 |
| 2.8 to 3.7 mm | 18 |
| 3.8 to 4.7 mm | 19 |
| 4.8 to 5.7 mm | 20 |
| 5.8 to 6.7 mm | 21 |
| 6.8 to 7.7 mm | 22 |
| 7.8 to 8.7 mm | 23 |
| 8.8 to 9.7 mm | 24 |
| 9.8 to 10.7 mm | 25 |
| 10.8 to 11.7 mm | 26 |
| 11.8 to 12.7 mm | 27 |
| 12.8 to 13.7 mm | 28 |
| 13.8 to 14.7 mm | 29 |
| 14.8 to 15.7 mm | 30 |
| 15.8 to 16.7 mm | 31 |
| 16.8 to 17.7 mm | 32 |
| 17.8 to 18.7 mm | 33 |
| 18.8 to 19.7 mm | 34 |
| 19.8 to 20.7 mm | 35 |
| 20.8 to 21.7 mm | 36 |
| 21.8 to 22.7 mm | 37 |
| 22.8 to 23.7 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:** *TMT = 20 mm.*
*Stud Part Number is* **D3-316-135-190** *for a 6 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**

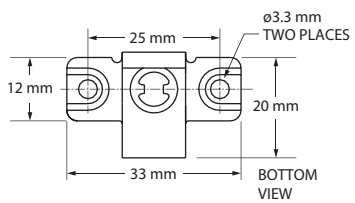
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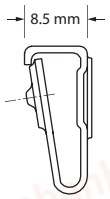
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Rivet Plate, Weld Plate – 6 mm

DZUS® QUICK ACCESS


Rivet Plate

| Part Number | D3-336-400-190 |
|---|---|

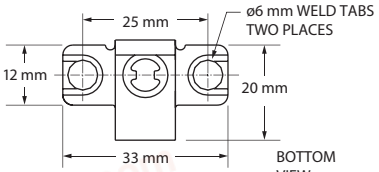


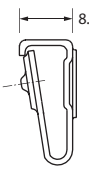





Weld Plate

| Part Number | D3-336-500-190 |
|---|---|




## Material & Finish

**Material:** Spring steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 54 lbs.
**Maximum Torque:** 31 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.

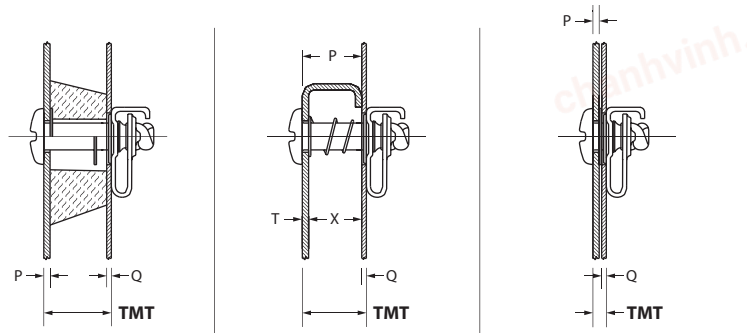



**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 2.5 to 3.4 mm | 10 |
| 3.5 to 4.4 mm | 11 |
| 4.5 to 5.4 mm | 12 |
| 5.5 to 6.4 mm | 13 |
| 6.5 to 7.4 mm | 14 |
| 7.5 to 8.4 mm | 15 |
| 8.5 to 9.4 mm | 16 |
| 9.5 to 10.4 mm | 17 |
| 10.5 to 11.4 mm | 18 |
| 11.5 to 12.4 mm | 19 |
| 12.5 to 13.4 mm | 20 |
| 13.5 to 14.4 mm | 21 |
| 14.5 to 15.4 mm | 22 |
| 15.5 to 16.4 mm | 23 |
| 16.5 to 17.4 mm | 24 |
| 17.5 to 18.4 mm | 25 |
| 18.5 to 19.4 mm | 26 |
| 19.5 to 20.4 mm | 27 |
| 20.5 to 21.4 mm | 28 |
| 21.5 to 22.4 mm | 29 |
| 22.5 to 23.4 mm | 30 |
| 23.5 to 24.4 mm | 31 |
| 24.5 to 25.4 mm | 32 |
| 25.5 to 26.4 mm | 33 |
| 26.5 to 27.4 mm | 34 |
| 27.5 to 28.4 mm | 35 |
| 28.5 to 29.4 mm | 36 |
| 29.5 to 30.4 mm | 37 |
| 30.5 to 31.4 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-316-131-190** *for a 6 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**







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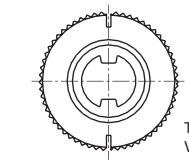
# DZUS® Panex® D3 Quarter-Turn Receptacle Press-In Insert – 6 mm

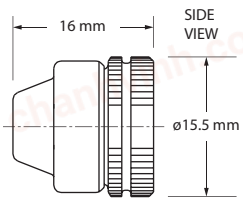
DZUS® QUICK ACCESS



Press-In Insert

| Part Number | D3-336-100-300 |
|---|---|




## Material

Brass and plated steel

## Mechanical

**Installation Load:** 2250 lbs.
**Maximum Torque:** 31 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.

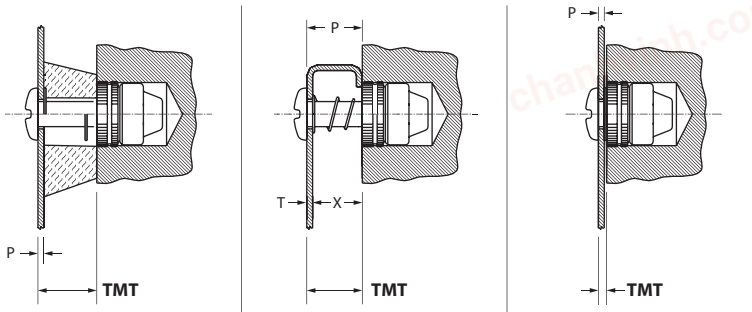



**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 0.7 to 1.6 mm | 12 |
| 1.7 to 2.6 mm | 13 |
| 2.7 to 3.6 mm | 14 |
| 3.7 to 4.6 mm | 15 |
| 4.7 to 5.6 mm | 16 |
| 5.7 to 6.6 mm | 17 |
| 6.7 to 7.6 mm | 18 |
| 7.7 to 8.6 mm | 19 |
| 8.7 to 9.6 mm | 20 |
| 9.7 to 10.6 mm | 21 |
| 10.7 to 11.6 mm | 22 |
| 11.7 to 12.6 mm | 23 |
| 12.7 to 13.6 mm | 24 |
| 13.7 to 14.6 mm | 25 |
| 14.7 to 15.6 mm | 26 |
| 15.7 to 16.6 mm | 27 |
| 16.7 to 17.6 mm | 28 |
| 17.7 to 18.6 mm | 29 |
| 18.7 to 19.6 mm | 30 |
| 19.7 to 20.6 mm | 31 |
| 20.7 to 21.6 mm | 32 |
| 21.7 to 22.6 mm | 33 |
| 22.7 to 23.6 mm | 34 |
| 23.7 to 24.6 mm | 35 |
| 24.7 to 25.6 mm | 36 |
| 25.7 to 26.6 mm | 37 |
| 26.7 to 27.6 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-316-135-190** *for a 6 mm slotted stud.*

**Additional installation information is located at the end of this section.**

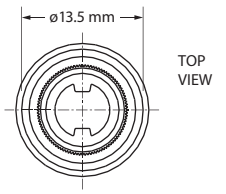
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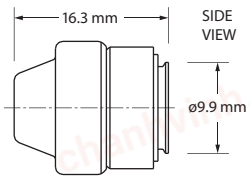
# DZUS® Panex® D3 Quarter-Turn Receptacle Self-Clinching Insert – 6 mm

DZUS® QUICK ACCESS




| Part Number | D3-336-110-190 |
|---|---|




## Material & Finish

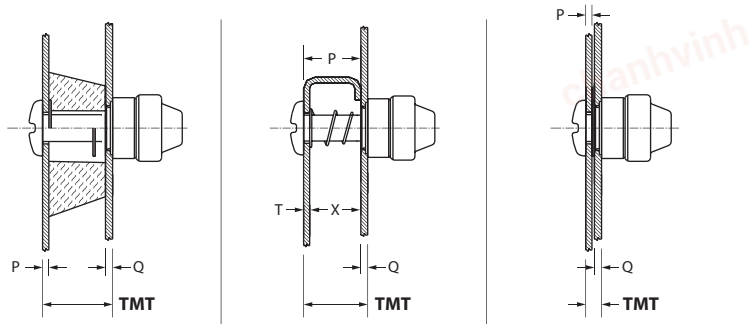
**Material:** Steel
**Finish:** Zinc plate and chromate

## Mechanical

**Installation Load:** 2700 lbs.
**Maximum Torque:** 31 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q | **TMT** = P + Q + 0.5 mm (Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 1.7 to 2.6 mm | 12 |
| 2.7 to 3.6 mm | 13 |
| 3.7 to 4.6 mm | 14 |
| 4.7 to 5.6 mm | 15 |
| 5.7 to 6.6 mm | 16 |
| 6.7 to 7.6 mm | 17 |
| 7.7 to 8.6 mm | 18 |
| 8.7 to 9.6 mm | 19 |
| 9.7 to 10.6 mm | 20 |
| 10.7 to 11.6 mm | 21 |
| 11.7 to 12.6 mm | 22 |
| 12.7 to 13.6 mm | 23 |
| 13.7 to 14.6 mm | 24 |
| 14.7 to 15.6 mm | 25 |
| 15.7 to 16.6 mm | 26 |
| 16.7 to 17.6 mm | 27 |
| 17.7 to 18.6 mm | 28 |
| 18.7 to 19.6 mm | 29 |
| 19.7 to 20.6 mm | 30 |
| 20.7 to 21.6 mm | 31 |
| 21.7 to 22.6 mm | 32 |
| 22.7 to 23.6 mm | 33 |
| 23.7 to 24.6 mm | 34 |
| 24.7 to 25.6 mm | 35 |
| 25.7 to 26.6 mm | 36 |
| 26.7 to 27.6 mm | 37 |
| 27.7 to 28.6 mm | 38 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-316-134-190** *for a 6 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**







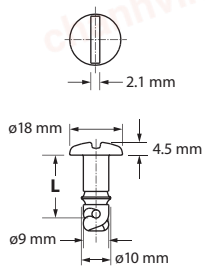
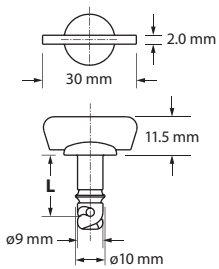
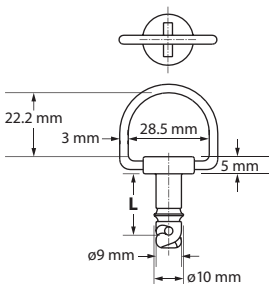
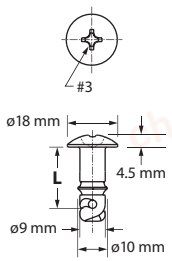
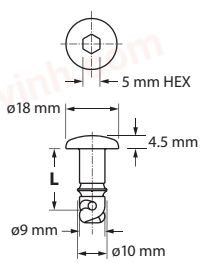
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# DZUS® Panex® D3 Quarter-Turn Stud & Retainer
# 9 mm

DZUS® QUICK ACCESS

## Stud Head Styles

| Slotted | Wing | Bail | Phillips Recess | Hex Recess |
|---|---|---|---|---|
|  |  |  |  |  |
| **D3-319-1** | **D3-319-3** | **D3-319-4** | **D3-319-7** | **D3-319-2** |

**Note:**
*L = Stud Length Number in mm*

## Additional Stud Dimensions

**L Dimension** - The stud length (L) depends on the type of receptacle chosen and the thickness of your materials. Use the tables provided with each type of receptacle to determine the proper receptacle size and stud length needed for your application.

## Material & Finish

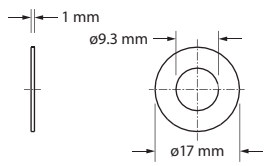
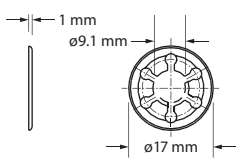
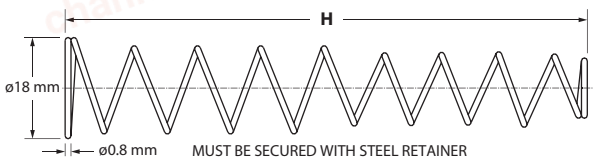
**Material:** Case hardened steel
**Finish:** Zinc plate with chromate

## Panex Stud Part Numbers

**D3-319-1(L)-190**

- Finish – **90** = Zinc Plate with Chromate
  **91** = Zinc Plate with Black Chromate
  **70** = Bright Chrome
- Material (Steel)
- Stud Length Number – Determined on Receptacle Selection pages
- Basic Part No. - From Studs tables (above)

## Retainers

| Plastic | Steel | Retaining Spring | | | |
|---|---|---|---|---|---|
|  |  |  | | | |
| **Part No.** | **Part No.** | **H Dim.** | **X Min.** | **X Max.** | **Part No.** |
| **D3-329-100-040** | **D3-329-101-190** | 48 mm | 7 mm | 43 mm | **D3-329-200-200** |

## Material & Finish

**Plastic Retainer:** High density polyethylene, natural
**Steel Retainer:** Spring steel, zinc plate and chromate
**Retaining Spring:** Stainless steel

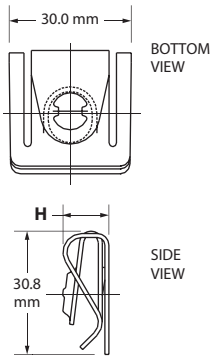
All dimensions on this page are in millimeters.

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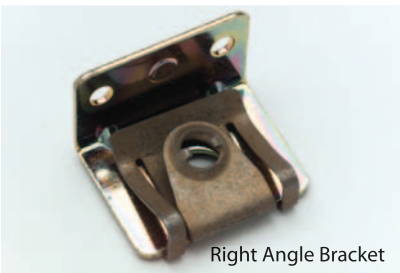
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Slip-On, Right Angle Bracket – 9 mm

DZUS® QUICK ACCESS

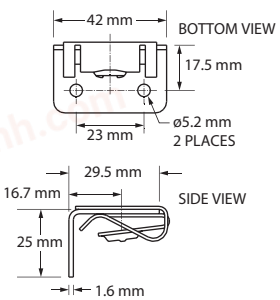



| Support Thickness Ranges | Clip-On Part Numbers | H Dim. |
|---|---|---|
| .07 to 3.2 mm | D3-339-300-190 | 10.7 mm |
| 3.2 to 5.5 mm | D3-339-301-190 | 11.3 mm |




| Part Number | D3-339-310-190 |
|---|---|




## Material & Finish

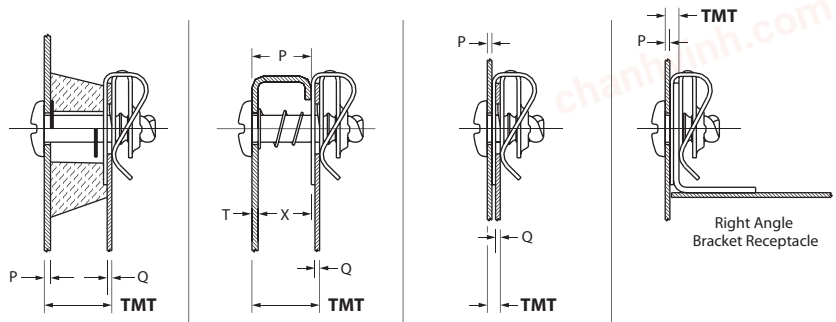
**Clip-On Receptacle:** Spring steel
**Bracket Receptacle:** Steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 61 lbs.
**Maximum Torque:** 36 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using Figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket | **TMT** = P + Q + 1.1 mm | **TMT** = P + Q + 2.1 mm | **TMT** = P + 3.7 mm

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 2.0 to 2.9 mm | 10 |
| 3.0 to 3.9 mm | 11 |
| 4.0 to 4.9 mm | 12 |
| 5.0 to 5.9 mm | 13 |
| 6.0 to 6.9 mm | 14 |
| 7.0 to 7.9 mm | 15 |
| 8.0 to 8.9 mm | 16 |
| 9.0 to 9.9 mm | 17 |
| 10.0 to 10.9 mm | 18 |
| 11.0 to 11.9 mm | 19 |
| 12.0 to 12.9 mm | 20 |
| 13.0 to 13.9 mm | 21 |
| 14.0 to 14.9 mm | 22 |
| 15.0 to 15.9 mm | 23 |
| 16.0 to 16.9 mm | 24 |
| 17.0 to 17.9 mm | 25 |
| 18.0 to 18.9 mm | 26 |
| 19.0 to 19.9 mm | 27 |
| 20.0 to 20.9 mm | 28 |
| 21.0 to 21.9 mm | 29 |
| 22.0 to 22.9 mm | 30 |
| 23.0 to 23.9 mm | 31 |
| 24.0 to 24.9 mm | 32 |
| 25.0 to 25.9 mm | 33 |
| 26.0 to 26.9 mm | 34 |
| 27.0 to 27.9 mm | 35 |
| 28.0 to 28.9 mm | 36 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-319-132-190** *for a 9 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**







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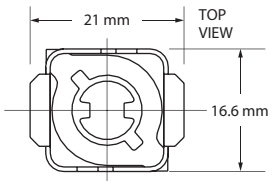
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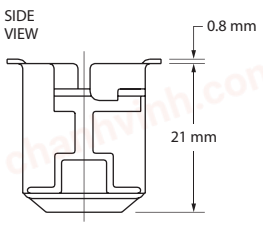
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Front Load, Clip-In – 9 mm

DZUS® QUICK ACCESS




| Part Number | D3-339-200-190 |
|---|---|




## Material & Finish

**Material:** Spring steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 23 lbs.
**Maximum Torque:** 36 lbs.-in.

All dimensions on this page are in millimeters.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.

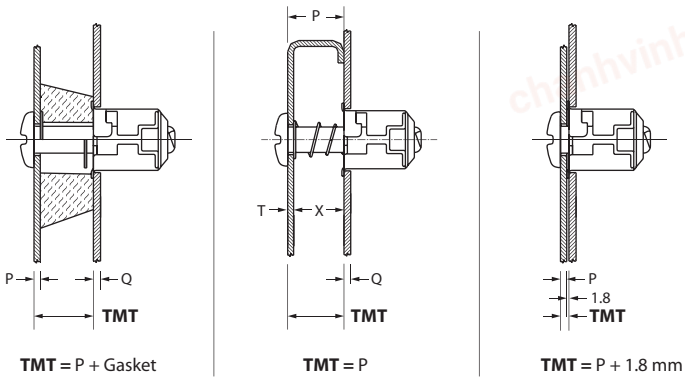



**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 2.5 to 3.4 mm | 22 |
| 3.5 to 4.4 mm | 23 |
| 4.5 to 5.4 mm | 24 |
| 5.5 to 6.4 mm | 25 |
| 6.5 to 7.4 mm | 26 |
| 7.5 to 8.4 mm | 27 |
| 8.5 to 9.4 mm | 28 |
| 9.5 to 10.4 mm | 29 |
| 10.5 to 11.4 mm | 30 |
| 11.5 to 12.4 mm | 31 |
| 12.5 to 13.4 mm | 32 |
| 13.5 to 14.4 mm | 33 |
| 14.5 to 15.4 mm | 34 |
| 15.5 to 16.4 mm | 35 |
| 16.5 to 17.4 mm | 36 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 16 mm.*
*Stud Part Number is* **D3-316-135-190** *for a 9 mm slotted stud.*

**Additional installation information is located at the end of this section.**

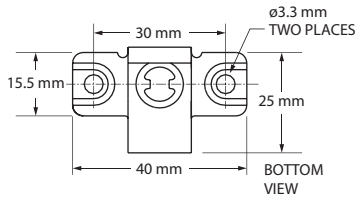
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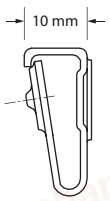
# DZUS® Panex® D3 Quarter-Turn Receptacle
# Rivet Plate, Weld Plate – 9 mm

DZUS® QUICK ACCESS


Rivet Plate

| Part Number | D3-339-400-190 |
|---|---|

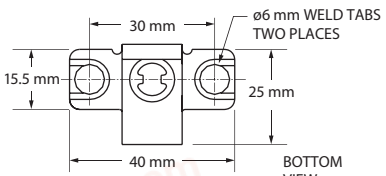


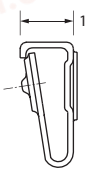





Weld Plate

| Part Number | D3-339-500-190 |
|---|---|




## Material & Finish

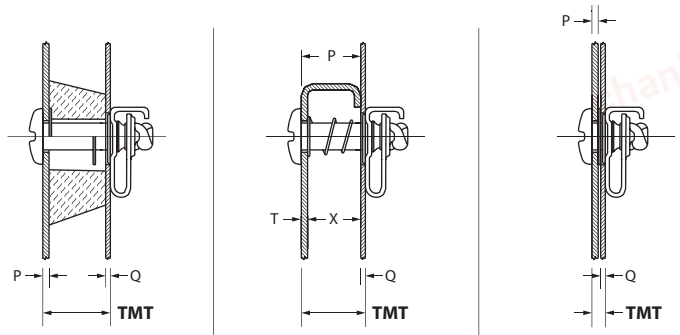
**Material:** Spring steel
**Finish:** Zinc plate and chromate

## Mechanical

**Maximum Load without Distortion:** 65 lbs.
**Maximum Torque:** 36 lbs.-in.

## To Determine Stud Length Needed

1. Calculate the Total Material Thickness (TMT) using figure 1 below.
2. Then, using the Stud Selection Table, find the TMT Range that applies to your calculated TMT. Use the Stud Length Number to complete the Stud Part Number.




**TMT** = P + Q + Gasket

**TMT** = P + Q

**TMT** = P + Q + 1 mm
(Includes Retainer)

**Figure 1: Total Material Thickness (TMT)**

| TMT | Stud Length No. (L Dim)[1] |
|---|---|
| 2.0 to 2.9 mm | 10 |
| 3.0 to 3.9 mm | 11 |
| 4.0 to 4.9 mm | 12 |
| 5.0 to 5.9 mm | 13 |
| 6.0 to 6.9 mm | 14 |
| 7.0 to 7.9 mm | 15 |
| 8.0 to 8.9 mm | 16 |
| 9.0 to 9.9 mm | 17 |
| 10.0 to 10.9 mm | 18 |
| 11.0 to 11.9 mm | 19 |
| 12.0 to 12.9 mm | 20 |
| 13.0 to 13.9 mm | 21 |
| 14.0 to 14.9 mm | 22 |
| 15.0 to 15.9 mm | 23 |
| 16.0 to 16.9 mm | 24 |
| 17.0 to 17.9 mm | 25 |
| 18.0 to 18.9 mm | 26 |
| 19.0 to 19.9 mm | 27 |
| 20.0 to 20.9 mm | 28 |
| 21.0 to 21.9 mm | 29 |
| 22.0 to 22.9 mm | 30 |
| 23.0 to 23.9 mm | 31 |
| 24.0 to 24.9 mm | 32 |
| 25.0 to 25.9 mm | 33 |
| 26.0 to 26.9 mm | 34 |
| 27.0 to 27.9 mm | 35 |
| 28.0 to 28.9 mm | 36 |

**Note:**
*1. Equals* **(L)** *Dim on Stud Selection pages.*

**Example:**

*TMT = 24 mm.*
*Stud Part Number is* **D3-319-132-190** *for a 9 mm slotted stud.*

All dimensions on this page are in millimeters.

**Additional installation information is located at the end of this section.**







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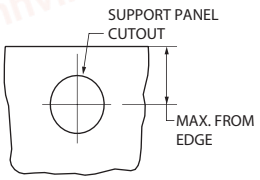
# DZUS® Panex® D3 Quarter-Turn Installation

DZUS® QUICK ACCESS

## Support Panel Preparation

### Clip-On and Right Angle Bracket

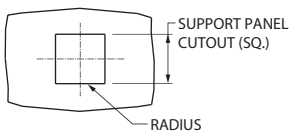





| Receptacle Size | Support Panel Thickness | Support Panel Cutout (+0.2) | Maximum From Edge (–0.5) |
|---|---|---|---|
| 4 | 0.7 to 2.5 mm | 8.0 mm | 10.0 mm |
| 6 | 0.7 to 3.2 mm | 11.0 mm | 11.0 mm |
| 6 mini | 0.9 to 2.5 mm | 11.0 mm | 8.0 mm |
| 9 | 0.7 to 3.2 mm | 14.0 mm | 13.0 mm |
| 9 | 3.2 to 5.5 mm | 14.0 mm | 13.0 mm |

### Front Load, Clip-In Receptacles

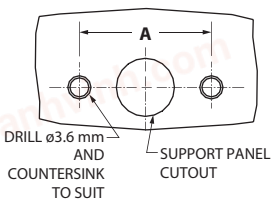





| Receptacle Size | Support Panel Thickness | Support Panel Cutout Sq. | Corner Radius Max. |
|---|---|---|---|
| 4 | 0.7 to 2.5 mm | 9.5 to 9.6 mm | 0.2 mm |
| 6 | 0.7 to 3.2 mm | 14 to 14.2 mm | 0.2 mm |
| 9 | 0.7 to 3.2 mm | 17 to 17.2 mm | 0.2 mm |

### Rivet Plates

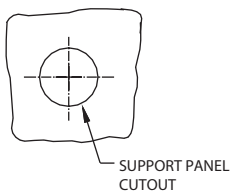





| Receptacle Size | Support Panel Cutout | A Dimension |
|---|---|---|
| 4 | 8.0 mm +0.2 | 20 mm |
| 6 | 11.0 mm +0.2 | 25 mm |
| 9 | 14.0 mm +0.2 | 30 mm |

### Weld Plates

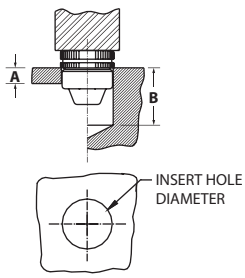





| Receptacle Size | Support Panel Cutout |
|---|---|
| 4 | 8.0 mm +0.2 |
| 6 | 11.0 mm +0.2 |
| 9 | 14.0 mm +0.2 |

### Press-In Insert

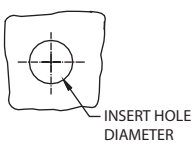





| Receptacle Size | A Dimension Min. | B Dimension Min. | Insert Hole Diameter |
|---|---|---|---|
| 4 | 4.5 mm | 14 mm | 12.0 mm +0.1 |
| 6 | 5.0 mm | 17 mm | 15.0 mm +0.1 |

### Self Clinching Insert






**Support Thickness:** 1.3 mm min.
**Support Material Hardness:** RB85 max.

| Receptacle Size | Insert Hole Diameter |
|---|---|
| 4 | 7.0 mm +0.08 |
| 6 | 10.0 mm +0.08 |

All dimensions on this page are in millimeters.

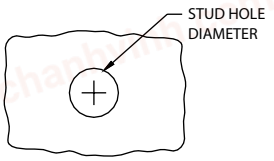
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# DZUS® Panex® D3 Quarter-Turn Installation

DZUS® QUICK ACCESS

## Stud Panel Preparation

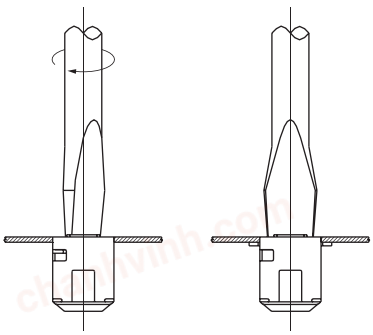



| Standard Panel Hole | |
|---|---|
| Stud Size | Stud Hole Diameter (+.2 -.000) |
| 4 mm | 5.0 mm |
| 6 mm | 7.0 mm |
| 9 mm | 10.0 mm |

## Insert Receptacles Installation

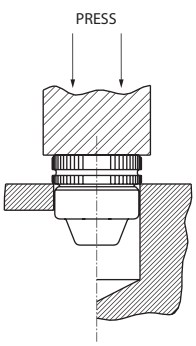
### Front Load, Clip-In Receptacles





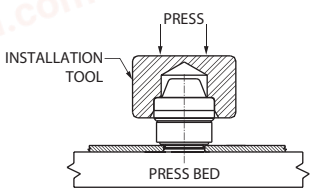

### Press-In Insert






### Self-Clinching Insert






| Receptacle Size | Installation Tool Part Number |
|---|---|
| 4 | D3-334-119-190 |
| 6 | D3-336-119-190 |

All dimensions on this page are in millimeters.