

D4 DZUS® Standard Line Quarter-Turn Fasteners

Stud selection · Size 6

Material and Finish

Studs:
Steel, zinc plated or stainless steel

82

85

D8

D1

D4

D7

NY

To select correct fastener:

1. Select receptacle

Choose a receptacle from page 325

2. Select retainer and accessories

from pages 326 - 327 and note any adjustment values

3. Specify stud length

Calculate the total material thickness (TMT) using the formula given for the receptacle selected. Find the range of TMT using the stud length selection table (right) using the column (A or B) given for the receptacle selected.

4. Complete the stud part number

by specifying the head style **H**, stud length **K**, and material **M**

Example:

For rivet-on

D4-S6-300 use column A

For TMT value calculated as 5.2 (.206), K = 45

For slotted head style in steel material, completed part number:

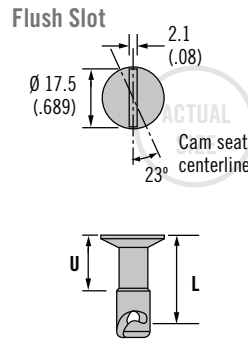
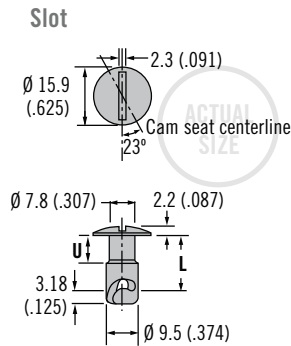
D4-AJ6-45

A complete example can be found on page 271.

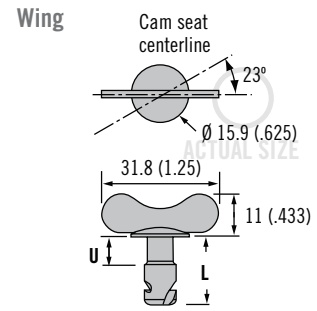
Notes

Stainless steel material may require a higher minimum order quantity. Contact Southco for details.

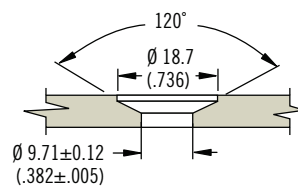
H Head Styles - Tool Actuated



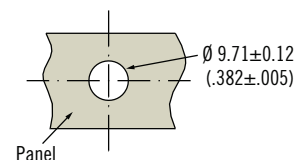
H Head Styles - Hand Actuated



Flush



Standard



H Head style

- AJ Slot recess
- AJW Wing head
- FJ Flush slot

K Length

Enter number from selection table below

M Material

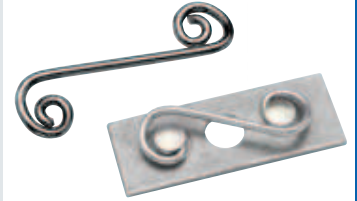
- SS Stainless steel
- Omit for steel, zinc plated

D4 - H 6 - K M

Stud Length Table										
A				B				U	L	K
TMT Range For: Rivet-On Receptacle D4-S6-300		TMT Range For: Rivet-On Receptacle D4-S6-275		TMT Range For: Weld-On Receptacle D4-X441-335		TMT Range For: Weld-On Receptacle D4-X441-310				
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
2.29 (.090)	2.90 (.114)	2.92 (.115)	3.53 (.139)	1.40 (.055)	2.01 (.079)	2.03 (.080)	2.64 (.104)	4.45 (.175)	8.89 (.350)	35
3.56 (.140)	4.17 (.164)	4.19 (.165)	4.80 (.189)	2.67 (.105)	3.28 (.129)	3.30 (.130)	3.91 (.154)	5.08 (.200)	10.16 (.400)	40
4.83 (.190)	5.44 (.214)	5.46 (.215)	6.07 (.239)	3.94 (.155)	4.55 (.179)	4.57 (.180)	5.18 (.204)	5.72 (.225)	11.43 (.450)	45
6.10 (.240)	6.71 (.264)	6.73 (.265)	7.34 (.289)	5.21 (.205)	5.82 (.229)	5.84 (.230)	6.45 (.254)	6.35 (.250)	12.70 (.500)	50
7.37 (.290)	7.98 (.314)	8.00 (.315)	8.61 (.339)	6.48 (.255)	7.09 (.279)	7.11 (.280)	7.72 (.304)	6.99 (.275)	13.97 (.550)	55
8.64 (.340)	9.25 (.364)	9.27 (.365)	9.88 (.389)	7.75 (.305)	8.36 (.329)	8.38 (.330)	8.99 (.354)	7.62 (.300)	15.24 (.600)	60
9.91 (.390)	10.52 (.414)	10.54 (.415)	11.15 (.439)	9.02 (.355)	9.63 (.379)	9.65 (.380)	10.26 (.404)	8.89 (.350)	16.51 (.650)	65
11.18 (.440)	11.79 (.464)	11.81 (.465)	12.42 (.489)	10.29 (.405)	10.90 (.429)	10.92 (.430)	11.53 (.454)		17.78 (.700)	70
12.45 (.490)	13.06 (.514)	13.08 (.515)	13.69 (.539)	11.56 (.455)	12.17 (.479)	12.19 (.480)	12.80 (.504)	10.16 (.400)	19.05 (.750)	75
13.72 (.540)	14.33 (.564)	14.35 (.565)	14.96 (.589)	12.83 (.505)	13.44 (.529)	13.46 (.530)	14.07 (.554)	11.43 (.450)	20.32 (.800)	80
14.99 (.590)	15.60 (.614)	15.62 (.615)	16.23 (.639)	14.10 (.555)	14.71 (.579)	14.73 (.580)	15.34 (.604)	12.7 (.500)	21.59 (.850)	85
16.26 (.640)	16.87 (.664)	16.89 (.665)	17.50 (.689)	15.37 (.605)	15.98 (.629)	16.00 (.630)	16.61 (.654)	13.97 (.550)	22.86 (.900)	90
17.53 (.690)	18.14 (.714)	18.16 (.715)	18.77 (.739)	16.64 (.655)	17.25 (.679)	17.27 (.680)	17.88 (.704)	15.24 (.600)	24.13 (.950)	95
18.80 (.740)	19.41 (.764)	19.43 (.765)	20.04 (.789)	17.91 (.705)	18.52 (.729)	18.54 (.730)	19.15 (.754)	16.51 (.650)	25.40 (1.00)	100

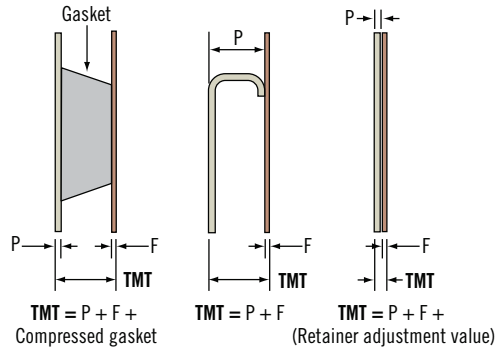
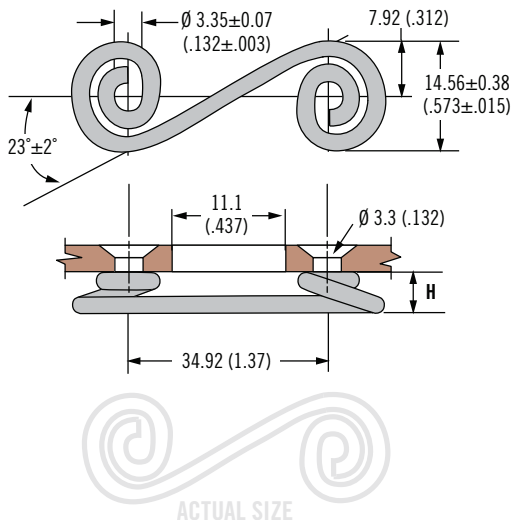
D4 DZUS® Standard Line Quarter-Turn Fasteners

Receptacles · Size 6



325

Rivet-On

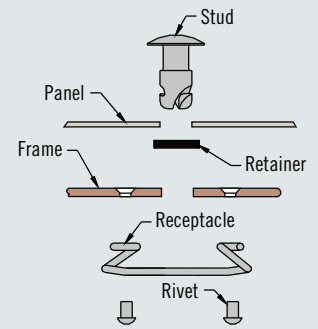


Material and Finish

Steel, zinc plated or stainless steel

Notes

After selecting receptacle use stud selection letter **A** and follow instruction on page 324

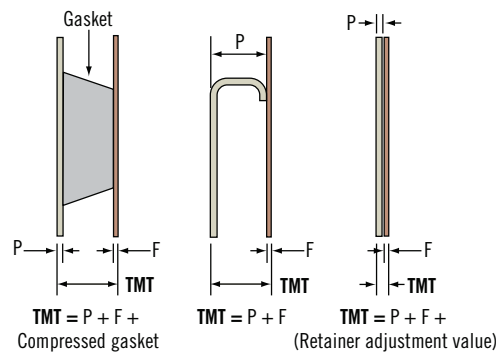
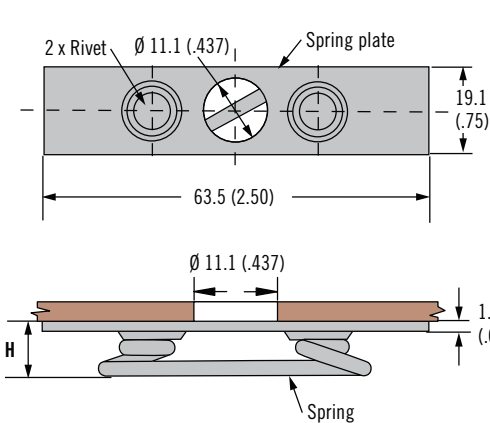


Part Number		H	Stud Selection Column
Steel	Stainless Steel		
D4-S6-275	D4-S6-275SS	6.99 (.275)	A
D4-S6-300	D4-S6-300SS	7.62 (.300)	

Part Number

See table

Weld-On

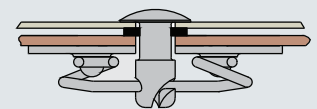


Material and Finish

Steel, zinc plated

Notes

After selecting receptacle use stud selection letter **B** and follow instruction on page 324



Part Number	H	Stud Selection Column
D4-X441-310	7.87 (.310)	B
D4-X441-335	8.51 (.335)	

Part Number

See table



D4 DZUS® Standard Line Quarter-Turn Fasteners Retainers · Size 6

Material and Finish

Retaining ring and spring:
Stainless steel

Retainer GH: Aluminum, natural

Installation Notes

1. Place the retainer on the mandrel as shown
2. Align ring or spring ends so that they will miss the stud cam
3. Place mandrel in end of stud cam
4. Place tool over mandrel
5. Push retainer until it is sealed in stud undercut

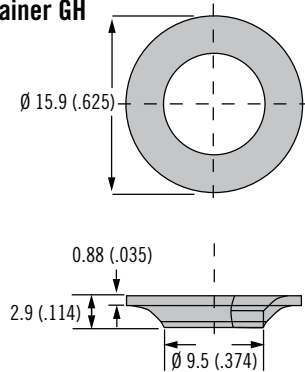
Notes

Tooling:

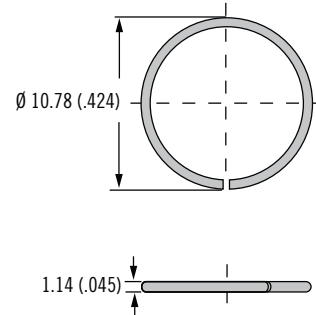
TFRS hand tool: Spreads the inside diameter of retainers over stud shanks and then pushes them into stud undercuts.

TB1A block: Nests stud heads during installation. (Any flat block may be used for BJR bail head studs).

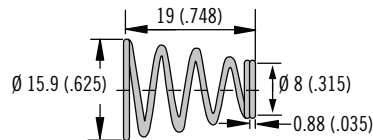
Retainer GH



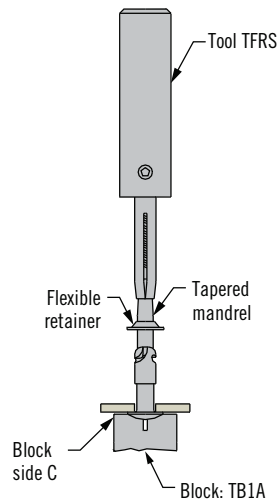
Retainer Ring



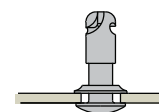
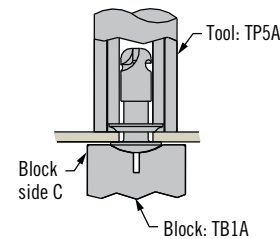
Spring



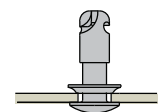
Install Retainer GP, Retaining Ring and SX



Install Retainer GH



Oversized Hole
Large diameter faces panel



Standard Hole
Small diameter faces panel

Part Number

See table

Type	Part Number	Adjustment Formula	Installation Tool Part Number
Retainer GH	D4-GH6	Add .88 (.035)	29-TP5A6 and 29-TB1A6 (both required for correct installation - see images above)
Retaining ring	D4-RR6	Add 1.14 (.045)	29-TFRS6 and 29-TB1A6 (both required for correct installation - see images above)
Retaining spring	D4-SX518	Add 1.76 (.070)	



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DZUS® Dimensions in millimeters (inch) unless otherwise stated

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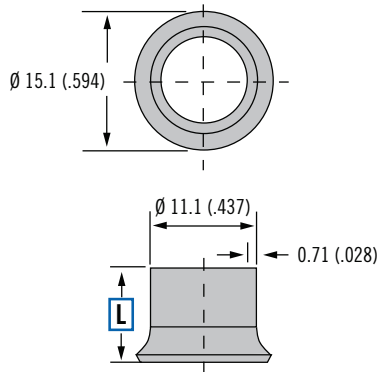
D4 DZUS® Standard Line Quarter-Turn Fasteners

Retainers - Size 6

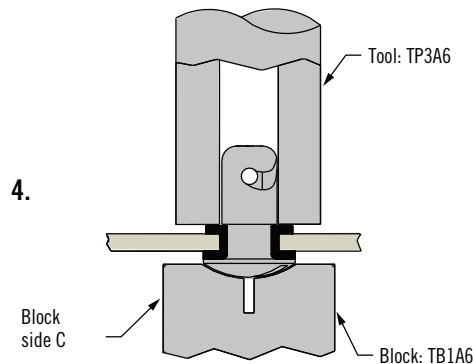
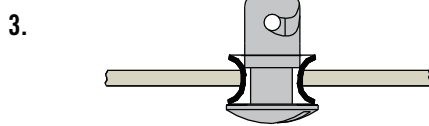
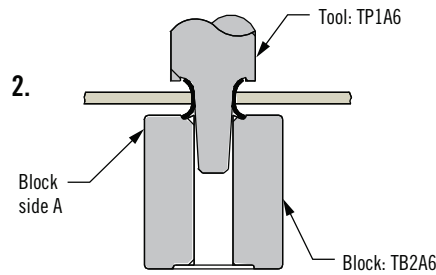


327

Retainer GA



Installation Retainer GA



Material and Finish

Retainer GA: Aluminum, natural

Installation Notes

1. Insert retainer in panel hole
2. Set retainer
3. Insert stud
4. Flatten retainer

82

85

D8

D1

D4

D7

NY



Panel Thickness	L	Part Number	Adjustment Value	Installation Tool Part Number
0.38 - 0.64 (.015 - .025)	4.45 (.175)	D4-GA6-175	Add 1.42 (.056)	29-TP1A6, 29-TP3A6, 29-TB1A6 and 29-TB2A6 (all four required for correct installation - see images above)
0.66 - 1.27 (.026 - .050)	5.08 (.200)	D4-GA6-200		
1.29 - 2.38 (.051 - .094)	6.35 (.250)	D4-GA6-250		

Part Number

See table