

# D1 DZUS® Dart Quarter-Turn Fasteners

## Studs, Glass-filled nylon

### Material and Finish

Glass-filled nylon, black

### Adjustment formula

Add 2.3 (.090) to panel thickness and recalculate your TMT when using self-ejecting stud assembly

### To select correct fastener:

#### 1. Select receptacle

Choose a receptacle from pages 475-477

#### 2. Select retainer and accessories

from page 477 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, B, C, or D) 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

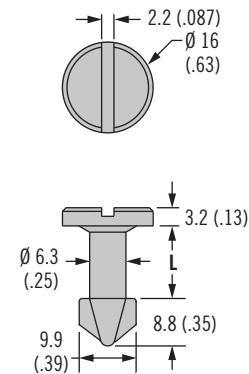
D1-004-001-010 use column **A**  
For TMT value calculated as 5.2 (.206), K = 55

For slotted head style, completed part number: D1-004-055-030  
A complete example can be found on page 435.

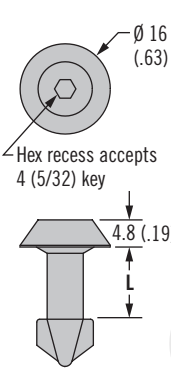
### Part Number Selection

### H Head Styles - Tool Actuated

Slot Recess

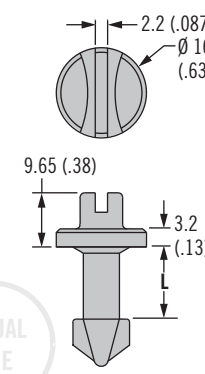


Hex Recess

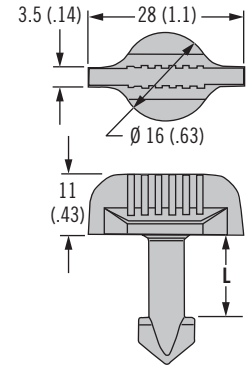


### H Head Styles - Hand Actuated

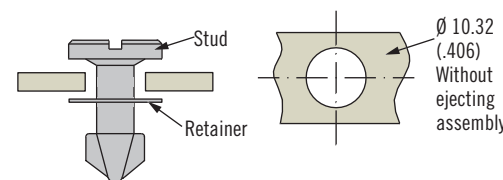
Slotted Recess Knob



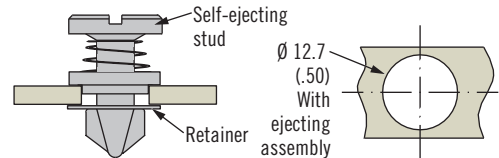
Wing



### Standard Stud Assembly



### Self-Ejecting Stud Assembly



Stud Length Table									
A		B		C		D		K	L
TMT Range For: D1-004-001-010		TMT Range For: D1-004-00(F)-010		TMT Range For: D1-004-92(F)-010		TMT Range For: D1-004-91(F)-010 D1-004-01(F)-010			
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.		
2.54 (.100)	3.80 (.149)	~	~	4.32 (.170)	5.58 (.219)	4.13 (.163)	5.39 (.212)	045	11.4 (.45)
3.81 (.150)	5.07 (.199)	3.81 (.150)	5.07 (.199)	5.59 (.220)	6.85 (.269)	5.40 (.213)	6.66 (.262)	050	12.7 (.50)
5.08 (.200)	6.34 (.249)	5.08 (.200)	6.34 (.249)	6.86 (.270)	8.12 (.319)	6.67 (.263)	7.93 (.312)	055	14.0 (.55)
6.35 (.250)	7.61 (.299)	6.35 (.250)	7.61 (.299)	8.13 (.320)	9.39 (.369)	7.94 (.313)	9.20 (.362)	060	15.2 (.60)
7.62 (.300)	8.88 (.349)	7.62 (.300)	8.88 (.349)	9.40 (.370)	10.66 (.419)	9.21 (.363)	10.47 (.412)	065	16.5 (.65)
8.89 (.350)	10.15 (.399)	8.89 (.350)	10.15 (.399)	10.67 (.420)	11.93 (.469)	10.48 (.413)	11.74 (.462)	070	17.8 (.70)
10.16 (.400)	11.42 (.449)	10.16 (.400)	11.42 (.449)	11.94 (.470)	13.20 (.519)	11.75 (.463)	13.01 (.512)	075	19.1 (.75)
11.43 (.450)	12.69 (.499)	11.43 (.450)	12.69 (.499)	13.21 (.520)	14.47 (.569)	13.02 (.513)	14.28 (.562)	080	20.3 (.80)
12.70 (.500)	13.96 (.549)	12.70 (.500)	13.96 (.549)	14.48 (.570)	15.74 (.619)	14.29 (.563)	15.55 (.612)	085	21.6 (.85)
13.97 (.550)	15.23 (.599)	13.97 (.550)	15.23 (.599)	15.75 (.620)	17.01 (.669)	15.56 (.613)	16.82 (.662)	090	22.9 (.90)
15.24 (.600)	16.50 (.649)	15.24 (.600)	16.50 (.649)	17.02 (.670)	18.28 (.719)	16.83 (.663)	18.09 (.712)	095	24.1 (.95)
16.51 (.650)	17.77 (.699)	16.51 (.650)	17.77 (.699)	18.29 (.720)	19.55 (.769)	18.10 (.713)	19.36 (.762)	100	25.4 (1.0)

### H Head style

004 Slot recess

125 Wing

166 Hex recess

444 Slot recess knob

### SE Self-ejecting

SE Self-ejecting assembly

Omit for standard stud only

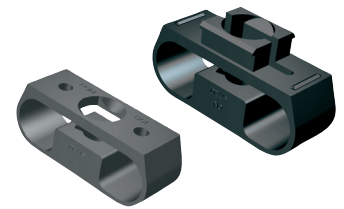
D1 - H - K - 030 SE

K Length

Enter number from selection table above

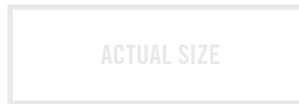
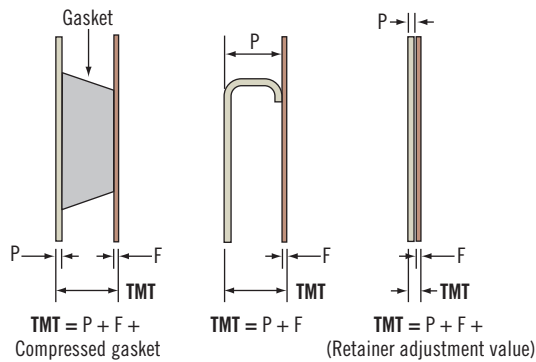
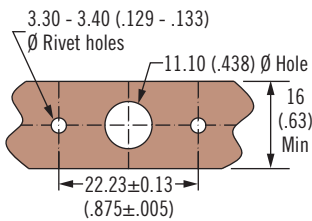
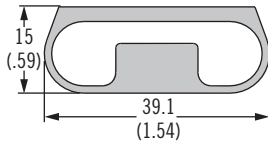
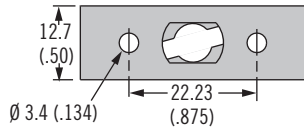
# D1 DZUS® Dart Quarter-Turn Fasteners

## Receptacles, Acetal



475

### Rivet-On



Part Number	Stud Selection Column
D1-004-001-010	A

### Material and Finish

Acetal, black

### Notes

After selecting receptacle use stud selection letter **A** and follow instruction on page 474

82

85

D8

D9

**D1**

D4

D5

D7

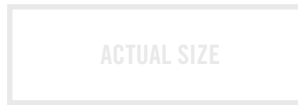
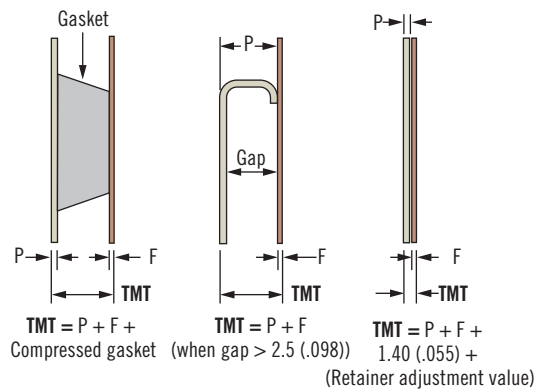
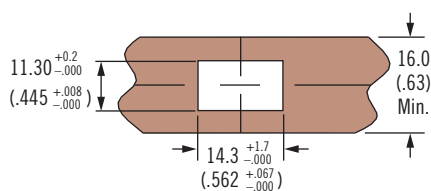
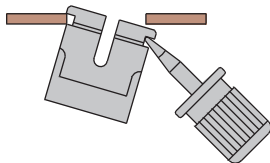
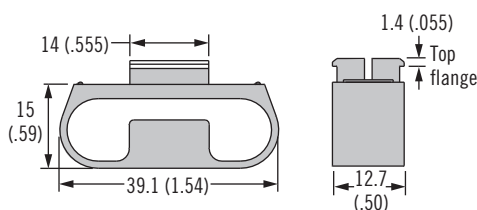
NY



### Part Number

See table

### Snap-In Back Load



F Frame Thickness		Part Number	Stud Selection Column
Min.	Max.		
.90 (.035)	1.27 (.050)	D1-004-002-010	<b>B</b>
1.63 (.064)	2.00 (.080)	D1-004-003-010	
2.30 (.090)	2.64 (.104)	D1-004-004-010	
3.00 (.119)	3.40 (.135)	D1-004-005-010	
3.65 (.144)	4.00 (.158)	D1-004-006-010	

### Material and Finish

Acetal black

### Notes

Utilize stud selection column indicated when choosing a stud length from the stud length table on page 474

### Part Number

See table



# D1 DZUS® Dart Quarter-Turn Fasteners

## Receptacles, Acetal

### Material and Finish

Acetal, black

82

85

D8

D9

D1

D4

D5

D7

NY

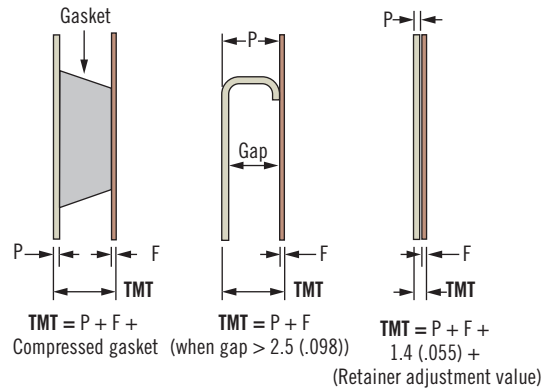
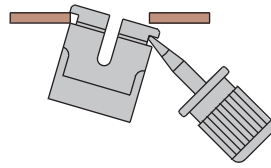
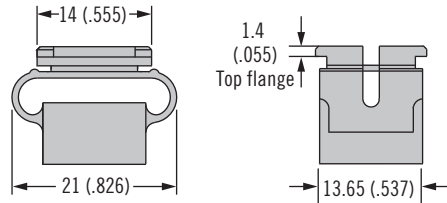
### Part Number

See table

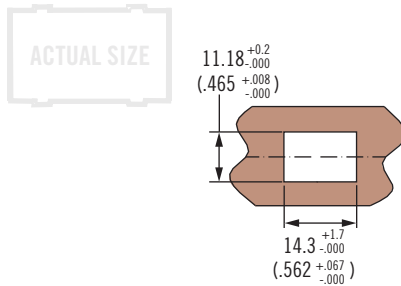
### Notes

Utilize stud selection column indicated when choosing a stud length from the stud length table on page 474

### Mini Snap-In - Back Load



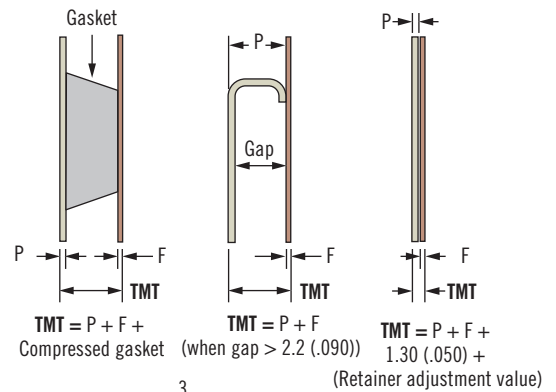
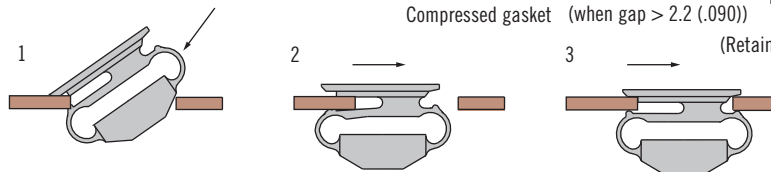
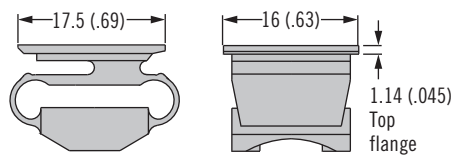
F Frame Thickness		Part Number	Stud Selection Column
Min.	Max.		
0.81 (.032)	1.27 (.050)	D1-004-012-010	D
1.29 (.051)	2.54 (.100)	D1-004-013-010	



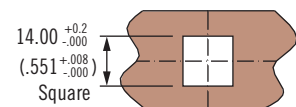
### Material and Finish

Acetal, black

### Mini Snap-In - Front Load



F Frame Thickness		Part Number	Stud Selection Column
Min.	Max.		
0.90 (.035)	1.25 (.049)	D1-004-911-010	D
1.30 (.051)	1.75 (.069)	D1-004-912-010	
1.80 (.071)	2.25 (.089)	D1-004-913-010	
2.30 (.091)	2.75 (.109)	D1-004-914-010	
2.80 (.111)	3.25 (.129)	D1-004-915-010	



### Part Number

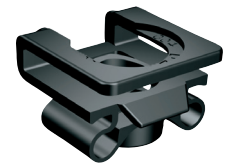
See table

### Notes

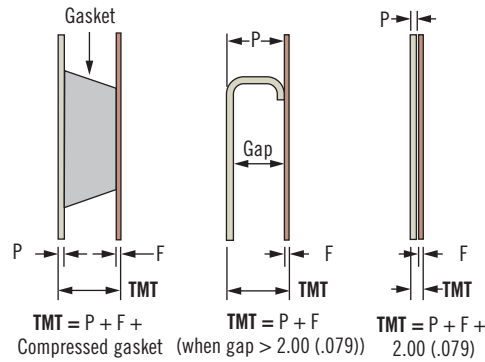
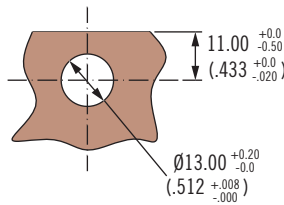
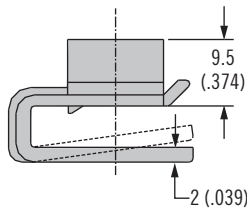
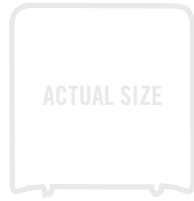
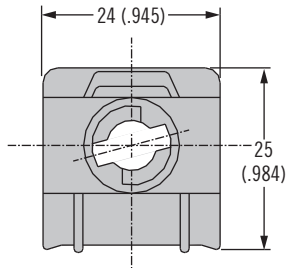
Utilize stud selection column indicated when choosing a stud length from the stud length table on page 474

# D1 DZUS® Dart Quarter-Turn Fasteners

## Receptacles · Retainers · Accessories



### Clip-On



F Frame Thickness		Part Number	Stud Selection Column
Min.	Max.		
0.70 (.027)	2.30 (.090)	D1-004-921-010	C
2.30 (.090)	3.90 (.153)	D1-004-922-010	
3.9 (.153)	5.5 (.217)	D1-004-923-010	

### Material and Finish

Acetal, black

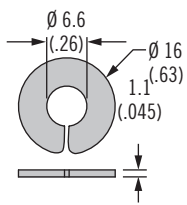
### Part Number

See table

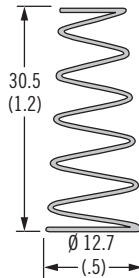
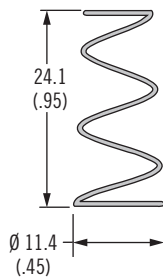
### Notes

Utilize stud selection column indicated when choosing a stud length from the stud length table on page 474

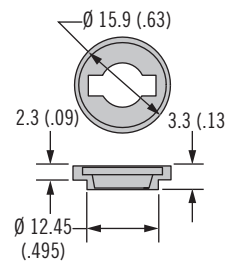
### Retainer Split



### Self-Ejecting Springs



### Self-Ejecting Cup



### Material and Finish

See table

### Part Number

See table

### Notes

#### Adjustment value:

When using accessories the components increase TMT  
Add the adjustment value to your outer panel thickness (P) when calculating TMT (see page 435 for example)

Type	K Range	Part Number	Material	Adjustment Value
Retainer split	All	D1-004-000-010	Acetal, black	Add 1.1 (.045)
Self-ejecting springs	045 to 070	D1-X1135-2S	Stainless steel	Add 2.3 (.090)
Self-ejecting springs	075 to 100	D1-X1137-2S	Stainless steel	
Self-ejecting cup	All	D1-X1129	Acetal, black	