



D1 DZUS® Dart Quarter-Turn Fasteners Studs

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 305 - 306

2. Select retainer and accessories

from page 307 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

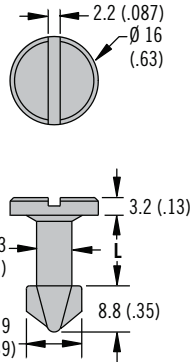
D1-004-001-010 use column **A**
For TMT value calculated as 5.2 (.206), K = 55

For slotted head style, completed part number: D1-004-055-030
A complete example can be found on page 271.

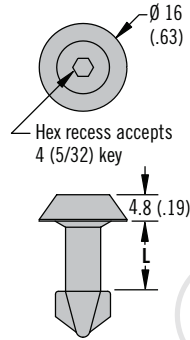
Part Number Selection

H Head Styles - Tool Actuated

Slot Recess

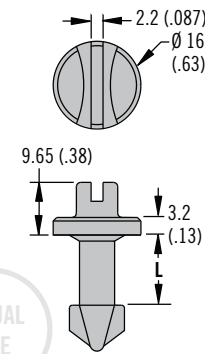


Hex Recess

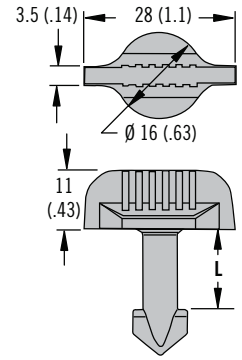


H Head Styles - Hand Actuated

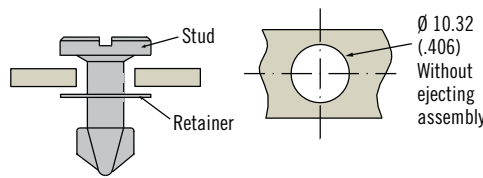
Slotted Recess Knob



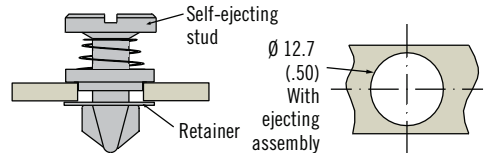
Wing



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

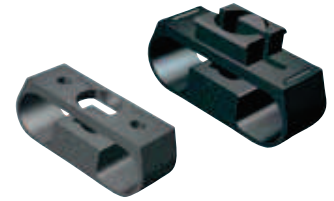
SE Self-ejecting

- SE Self-ejecting assembly
- Omit for standard stud only

D1 - **H** - **K** - 030 **SE**

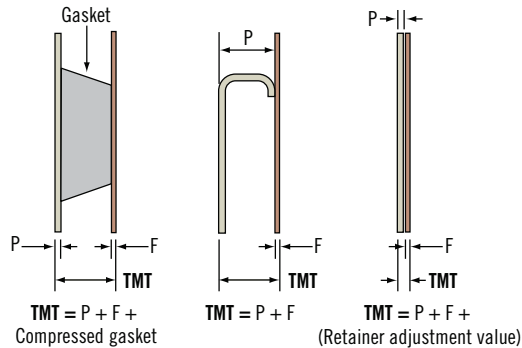
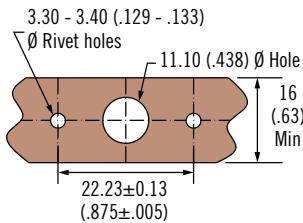
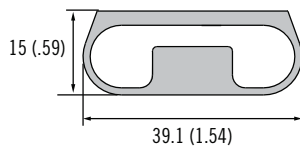
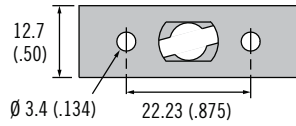
K Length
Enter number from selection table above

D1 DZUS® Dart Quarter-Turn Fasteners Receptacles



305

Rivet-On



ACTUAL SIZE

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 304

82

85

D8

D1

D4

D7

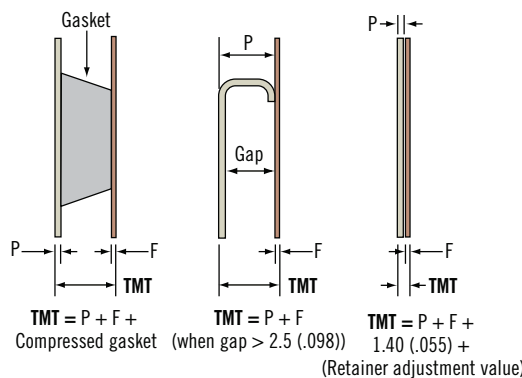
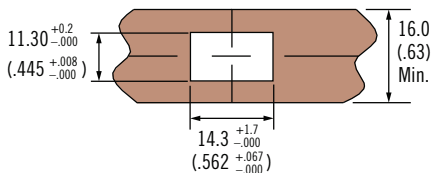
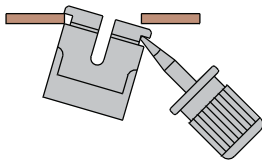
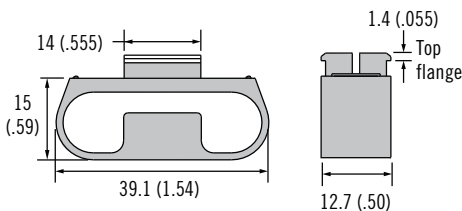
NY



Part Number

See table

Snap-In Back Load



ACTUAL SIZE

F Frame Thickness		Part Number	Stud Selection Column
Min.	Max.		
.90 (.035)	1.27 (.050)	D1-004-002-010	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 304

Part Number

See table



D1 DZUS® Dart Quarter-Turn Fasteners Receptacles

Material and Finish

Acetal, black

82

85

D8

D1

D4

D7

NY

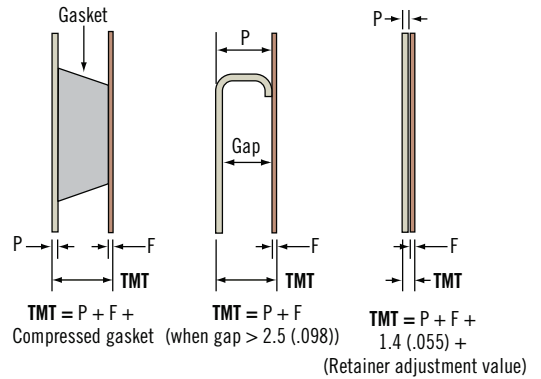
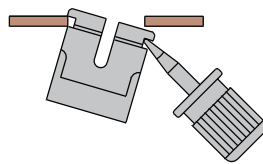
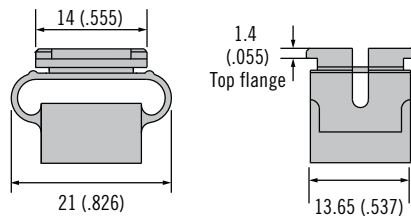
Part Number

See table

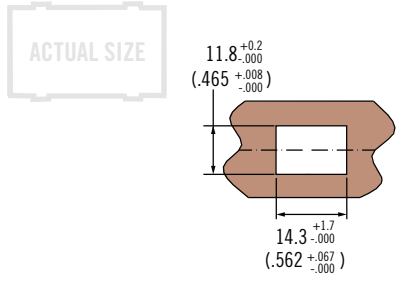
Notes

Utilize stud selection column indicated when choosing a stud length from the stud length table on page 3040

Mini Snap-In - Back Load



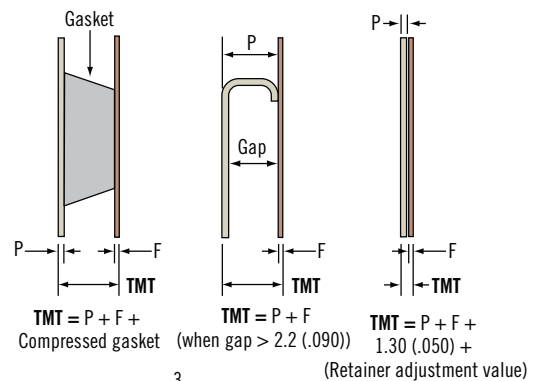
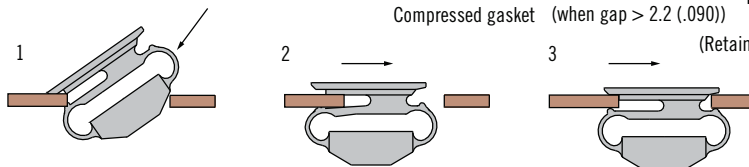
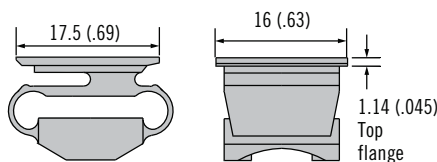
F Frame Thickness		Part Number	Stud Selection Column
Min.	Max.		
0.81 (.032)	1.27 (.050)	D1-004-012-010	D
1.29 (.051)	2.54 (.100)	D1-004-013-010	



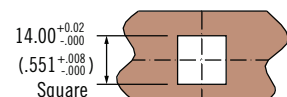
Material and Finish

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 304



www.southco.com/D1

DZUS® Dimensions in millimeters (inch) unless otherwise stated

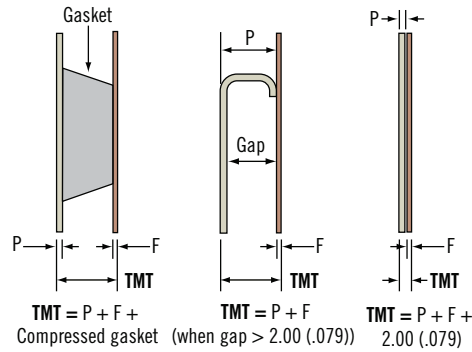
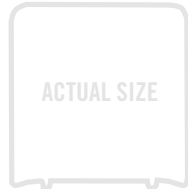
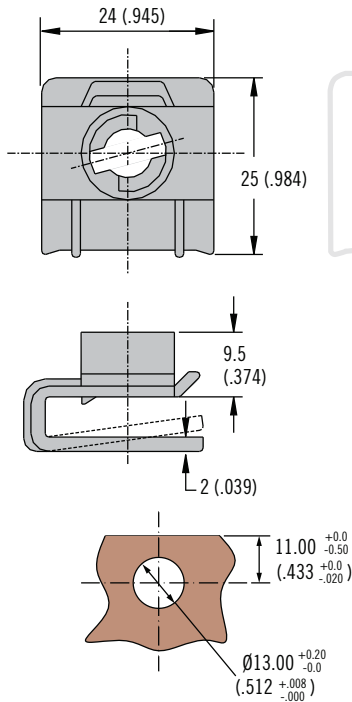
southco®
CONNECT · CREATE · INNOVATE

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

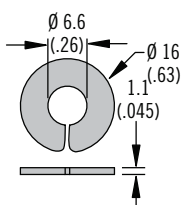
Part Number

See table

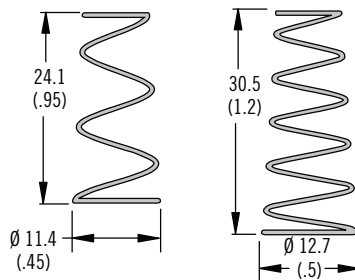
Notes

Utilize stud selection column indicated when choosing a stud length from the stud length table on page 304

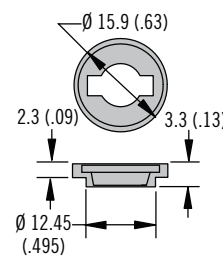
Retainer Split



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 271 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	