Camtainer® 883 series

Low profile, Steel Nut and Bolt

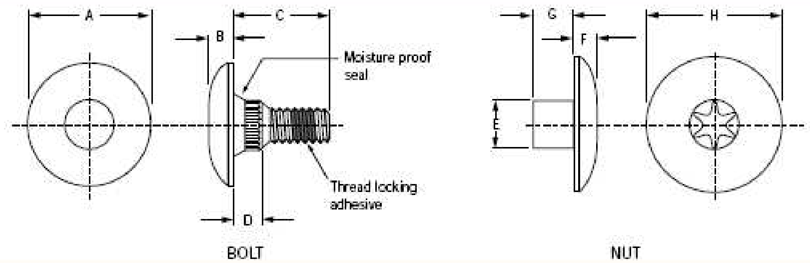
Material

Nut & Bolt: Low carbon steel to AISI 1022

Seal: Thermoplastic elastomer (Kraton)

Finish

Nut & Bolt: Zinc plated and JS600 passivated



Bolt
- A = Head Diameter
- B = Head Thickness
- C = Length from Underhead
- D = Underhead to Knurl

Nut
- E = Shank Diameter
- F = Head Thickness
- G = Underhead Shank
- H = Head Diameter

DIMENSIONS

in millimetres

Hole Size	Grip Range		Bolt				Nut				Fastener Size	Part Numbers	
			A	B	C	D	E	F	G	H			
nom.	min.	max.	max.	max.	max.	max.	max.	max.	max.	max.	nom.	Bolt	Nut
	24.38	30.60			25.02				12.70			883-60720-297	890-50000-297
	24.51	27.94			25.02				9.52			"	890-48000-297
	24.78	26.03			25.02				8.00			"	890-47000-297
	20.57	26.78			21.84				12.70			883-60600-297	890-50000-297
	21.08	24.96			21.84				9.52			"	890-48000-297
	20.82	22.56			21.84				8.00			"	890-47000-297
	18.41	25.52			18.67				12.70			883-60500-297	890-50000-297
9.35	18.03	22.86	18.49	4.06	18.67	4.31	8.71	4.06	9.52	22.48	6.0 (M6)	"	890-48000-297
	18.03	20.57			18.67				8.00			"	890-47000-297
	18.66	21.70			15.49				12.70			883-60410-297	890-50000-297
	15.87	19.50			15.49				9.52			"	890-48000-297
	15.06	16.82			15.49				8.00			"	890-47000-297
	15.28	16.14			12.32				12.70			883-60250-297	890-50000-297
	15.64	16.64			12.32				9.52			"	890-48000-297
	13.20	14.20			12.32				8.00			"	890-47000-297

PERFORMANCE DATA

please refer to page 57 for details of test methods

The strength of the joints will vary with the thickness and hardness of the metal sheet of the application as well as with the quality of the GRP board.

Fastener Size	Shear	Tension
nom.	KN	KN
6.0 (M6)	16.69	12.90
8.0 (5/16")	14.23	20.91

Avdel®

Camtainer® 883 series

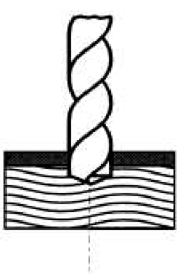
Low profile, Steel Nut and Bolt

DIMENSIONS

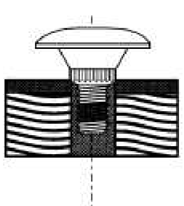
in millimetres

Hole Size nom.	Grip Range min.	Grip Range max.	Bolt A max.	Bolt B max.	Bolt C max.	Bolt D max.	Nut E max.	Nut F max.	Nut G max.	Nut H max.	Fastener Size nom.	Part Numbers Bolt	Part Numbers Nut
	36.12	53.72			36.50				25.40			883-85090-297	890-60055-297
	35.43	43.82			36.50				15.87			"	890-60050-297
	35.43	40.89			36.50				12.70			"	890-60008-297
	36.12	37.97			36.50				9.52			"	890-59000-297
	36.32	49.40			31.75				25.40			883-83000-297	890-60055-297
	35.94	40.01			31.75				15.87			"	890-60050-297
	33.27	36.83			31.75				12.70			"	890-60008-297
	31.12	33.40			31.75				9.52			"	890-59000-297
	32.13	44.07			25.40				25.40			883-82920-297	890-60055-297
	22.35	34.42			25.40				15.87			"	890-60050-297
	19.76	31.75			25.40				12.70			"	890-60008-297
10.3	18.67	28.58	23.11	5.08	25.40	5.59	9.91	4.19	9.52	25.65	8.0 (5/16")	"	890-59000-297
	32.26	38.10			22.22				25.40			883-82112-297	890-60055-297
	22.48	28.58			22.22				15.87			"	890-60050-297
	19.94	25.78			22.22				12.70			"	890-60008-297
	32.39	35.43			19.05				25.40			883-80500-297	890-60055-297
	22.23	25.40			19.05				15.87			"	890-60050-297
	19.94	22.86			19.05				12.70			"	890-60008-297
	17.53	19.69			19.05				9.52			"	890-59000-297
	30.18	31.75			15.87				25.40			883-80460-297	890-60055-297
	20.65	22.23			15.87				15.87			"	890-60050-297
	18.36	19.94			15.87				12.70			"	890-60008-297
	15.06	16.64			15.87				9.52			"	890-59000-297

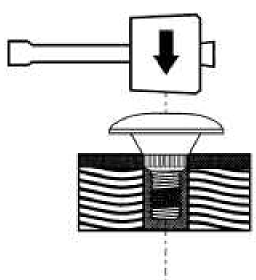
INSTALLATION



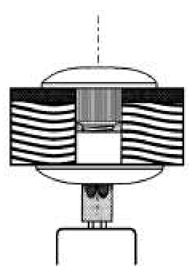
1 Drill or punch a hole through both sheets of the application between 9.35 and 9.50mm diameter for 6mm Camtainers or between 10.30 and 10.50mm for 8mm Camtainers.



2 Insert the bolt into the metal sheet side of the application as it is recommended that the nut is used only on the tamper-proof side of the application.



3 Tap the bolt into the application with a non-metallic hammer until the knurled shoulder grips enough into the application to allow the nut to be screwed on.



4 Screw the nut onto the bolt and tighten to a torque between 11.3 and 14.0Nm for 6mm Camtainers or 16.9 and 19.77Nm for 8mm Camtainers. Tooling must be equipped with a T50 Torx driver for 6mm nuts or T55 for 8mm.

Tighten the nut clockwise by half a turn. Unscrew the nut by turning it anticlockwise and push bolt out. **Maximum use of three times.**