



PART NO. EXAMPLE: **SFSW 10F 8 D L01BK**

PAN-L-SCREW, .190-32 UNJF-3A x 1/2" LG,  
CAD PLT, PHILLIPS DRIVE, LUSTERLESS  
BLACK PER FED-STD-595, COLOR #37038

COLOR - SEE STOCK COLOR LIST  
DWG. NO. SCL870115

HEAD TYPE	THREAD		L LENGTH													MATERIAL	DIM. DATA ±.020						
	CODE	SIZE	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1 1/8		1 1/4	A	B	C	D	E	
SFSW	2C	.086-56 UNC-3A	3	4	5	6	7	8									D	CAD PLATED PER SPEC 3.1	.250	.096	.110	.034	.010
	4C	.112-40 UNJC-3A	3	4	5	6	7	8	9	10	11	12	14	16					.312	.117	.139	.037	.013
	6C	.138-32 UNJC-3A	3	4	5	6	7	8	9	10	11	12	14	16					.375	.137	.165	.040	.015
	8C	.164-32 UNJC-3A	3	4	5	6	7	8	9	10	11	12	14	16			ZN	ZINC PLATED PER SPEC 3.2	.438	.158	.204	.043	.018
	10F	.190-32 UNJF-3A		4	5	6	7	8	9	10	11	12	14	16	18	20			.500	.179	.229	.046	.020
	12C	.216-24 UNC-3A					7	8	9	10	11	12	14	16	18	20	ZR	ZINC PLATED PER SPEC 3.3	.562	.201	.257	.050	.022
	14F	.250-28 UNJF-3A						8	9	10	11	12	14	16	18	20			.625	.232	.300	.057	.025

**FEATURES:**

- The one piece screw and captive washer simplifies handling, installation and removal of attachment hardware.
- Attachment hardware, color matched with the mounting surface eliminates distraction from the information display by blending with the background.
- Screw heads are formed by cold forging, followed by a heat treating process which increases the basic tensile strength of the material. The resultant high tensile strength thus eliminates burring and yield of the substrate under the coating material.
- The thermosetting coating material used in combination with the relatively hard screw heads is resistant to abrasion and screw driver damage. This feature virtually eliminates the need for touch-up painting after assembly.
- The nylon washer provides a resilient cushion to protect the finished surface of panels and equipment.
- A self-locking feature to prevent vibration from loosening the screw is achieved by the compression effect of the nylon washer between the screw head and the panel.
- A seal for moisture, low pressure gases and vapors can be affected between the screw head and the panel surface by the compression of the nylon washer.

**NOTES:**

- The screws listed in this series reflect high quality with emphasis on the forming of the recess to meet design specification.
- Care should be exercised to assure that the screw driver tools meet the same quality and design specification in order to eliminate mismatching and subsequent damage to the drive recess and coating material.
- The thread diameters and lengths listed in the table are industry standard sizes.

Inventory levels of these sizes may vary at any one time due to customer demands and lead times necessary for production. Lengths not listed are also available on order. Length code designates nominal length in 1/16-inch increments (for example, length code 8 = 1/2-inch long screw).

4. For color coated screw less washer, order Head Type code "S".

**SPECIFICATIONS:**

- Screws with Material code "D" meet all requirements of NAS600 series, including thread size .086-56 and .216-24 which are not listed as part of the NAS specification.
- Screws covered on this drawing with other than Material code "D" meet all requirements of NAS600 series except for plating requirements.
- Plating:
  - Code "D": Cadmium plate in accordance with (IAW) QQ-P-416, Type II-yellow, Class 2.
  - Code "ZN": Zinc plate IAW ASTM B633, Class SC1, Type II-yellow.
  - Code "ZR": Zinc plate IAW ASTM B633, Class SC1, Type II-yellow, hexavalent chromium free.
- Threads are in conformance with MIL-S-8879, except parts with thread codes "2C" & "12C" which are IAW MIL-S-7742.
- Thermosetting coating material is applied to screw head only. A color code of "N02NA" denotes a natural colored washer (molded in natural nylon) and a screw without thermosetting epoxy color coating.
- Washer color is achieved by molding with pigmented nylon per ASTM D4066.
- Screw head coating and washer colors are matched to customer requirements. We recommend selection from FED-STD-595 whenever possible but we are also prepared to match customer furnished color chips or samples.

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CAGE 12324

MATERIAL NOTED FINISH NOTED

PAN-L-SCREW  
ORIGINAL WASHER  
ALLOY STEEL

DR	J D DUPREE	APP	
DATE	5/24/78	DATE	(ON FILE)
.XXX	± .020	SCALE	(NONE)
.XX	± .03		
ANGULAR	± 2°		
SIZE	DWG. NO. <b>9-45-0200-101</b>		
SHEET	1	OF	1
		REV	L