



PART NO. EXAMPLE: **PS 6C 6 DT G27BL** =

PAN HEAD SCREW, #6-32 UNC X 3/8 LONG, STEEL, TORX RECESS, HEAD COATED GLOSS BLUE PER FED-STD-595, COLOR NO. 15080

COLOR- SEE STOCK COLOR LIST DWG. NO. SCL870115 & SPEC. NO.5 BELOW

HEAD TYPE	THREAD		L LENGTH													MATERIAL & RECESS		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	D	E		
PS	4C	.112-40 UNC-2A	3	4	5	6	7	8	9	10	11	12	14	16	DT	STEEL, ZINC PLATED PER SPEC 2.1	.312	.117	.037	T10		
	6C	.138-32 UNC-2A	3	4	5	6	7	8	9	10	11	12	14	16			.375	.137	.040	T15		
	8C	.164-32 UNC-2A	3	4	5	6	7	8	9	10	11	12	14	16	CT	CRES, PASSIVATED PER SPEC 2.2	.438	.158	.043	T20		
	10C	.190-24 UNC-2A	4	5	6	7	8	9	10	11	12	14	16			.500	.179	.046	T25			
	10F	.190-32 UNF-2A	4	5	6	7	8	9	10	11	12	14	16	18	20	DTC	STEEL, CADMIUM PLATED PER SPEC 2.3	.500	.179	.046	T25	
	12C	.216-24 UNC-2A					7	8	9	10	11	12	14	16	18	20			.562	.201	.050	T27
	14F	.250-28 UNF-2A						8	9	10	11	12	14	16	18	20	ZRT	STEEL, ZINC PLATED PER SPEC 2.4	.625	.232	.057	T30

FEATURES:

- The one piece screw and captive washer simplifies handling, installation and removal of attachment hardware.
- 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 the panel.
- 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.

- 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 time necessary for production. Lengths not listed are also available on order.
- For color coated screw less washer, order head type code "S".

SPECIFICATIONS:

- Screws are in accordance with ANSI/ASME Standard No. B18.6.3, Recessed Head Machine Screws.
- Screw Material & Finish:
 - Code "DT": Alloy steel, zinc plate in accordance with ASTM B633, Class SC1, Type II.
 - Code "CT": 300 series corrosion resistant steel, passivated per QQ-P-35.
 - Code "DTC": Alloy steel, cadmium plated in accordance with QQ-P-416, Type II, Class 3. Special Order Only
 - Code "ZRT": Alloy steel, zinc plate IAW ASTM B633, Class SC1, Type II-yellow, hexavalent chromium free.
- Threads are in conformance with MIL-S-7742 and H28 Federal Handbook for threads.
- Washer material is nylon, 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.

NOTES:

- TORX® is a registered trademark of Camcar Textron.
- The screws listed in this series reflect high quality with emphasis on the forming of the TORX® 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.

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CAGE 12324

MATERIAL NOTED

FINISH NOTED

DR G. J. M.
DATE 1/19/1990

APP (ON FILE)
DATE

.XXX ± .010
.XX ± .02
ANGULAR ± 2°

SCALE 2:1

SIZE DWG. NO.
A 9-45-0200-119

SHEET 1 OF 1 REV G

PAN-L-SCREW
TORX® RECESS
COLORED HEAD