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PART NO. EXAMPLE: **FHC 10F 8 CP S03RD** =

82° FLAT HEAD SCREW .190-32 X 1/2" LG,  
CORROSION RESISTANT STEEL, PHILLIPS DRIVE,  
SEMI-GLOSS RED PER FED-STD-595 NO. 21105

HEAD TYPE	THREAD		L LENGTH								MATERIAL	COLOR CODE	DIMENSIONAL DATA				
	CODE	SIZE	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8			1	A SHARP	A' ABS. MIN.	B	C
FHC	4C	.112-40 UNC-2A	4	5	6	7	8	10	12	14	16	CP CRES PHILLIPS DRIVE	SEE STOCK COLOR LIST Doc No. SCL870115	.225	.195	.067	.017
	6C	.138-32 UNC-2A	4	5	6	7	8	10	12	14	16			.279	.244	.083	.021
	8C	.164-32 UNC-2A	4	5	6	7	8	10	12	14	16			.332	.292	.100	.024
	10F	.190-32 UNF-2A	4	5	6	7	8	10	12	14	16			.385	.340	.116	.028

**FEATURES:**

1. Screws are furnished with pre-colored heads to match panels and equipment. The coating material used in combination with the relatively hard screw heads is resistant to abrasion and screwdriver damage. This feature virtually eliminates the need for touch-up painting after assembly.
2. Screw heads are formed by cold forging which increases the basic tensile strength of the material. The resulting high tensile strength thus eliminates burring and yield of the substrate under the coating material.
3. Screw heads are cleaned and prepared for maximum adhesion of the coating material. The thermosetting coating material is both abrasion and solvent resistant. Slight overspray on underside of head is permissible.

**NOTES:**

1. The screws listed in this series reflect aircraft quality with emphasis on the forming of the Phillips recess to meet design specification.
2. Care should be exercised to assure that the screwdriver tools meet the same quality and design specification in

- order to eliminate mismatching and subsequent damage to the drive recess and coating material.
3. 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.

**SPECIFICATIONS:**

1. Screws meet all requirements of MS51959 (UNC-2A) and MS51960 (UNF-2A). Screws are passivated per SAE-AMS-2700.
2. Threads are in conformance with H28 Federal Handbook for threads.
3. Coating 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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**COLORED SCREW**  
82° FLAT HEAD,  
MACHINE THREAD,  
CRES, RoHS-COMPLIANT