

DETAIL SPECIFICATION SHEET

HOOK, SLIP, SLIDING CHOKER

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and
MIL-DTL-13220E.

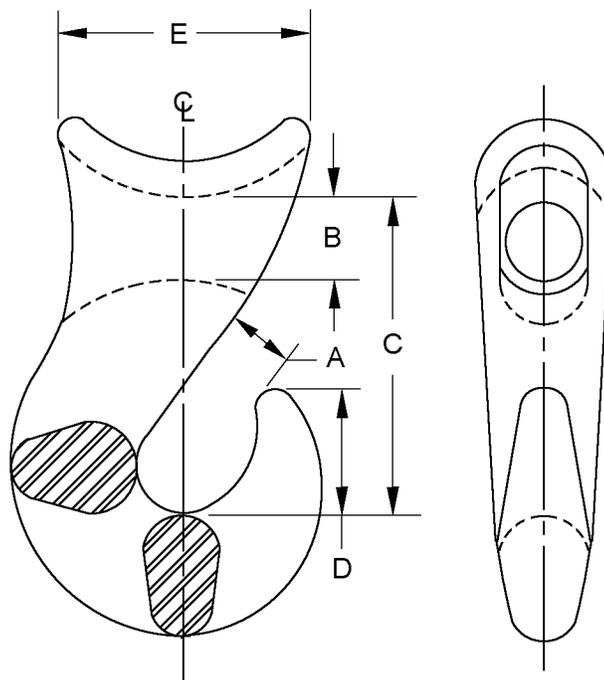


FIGURE 1. Hook, slip, sliding choker (cast steel).



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Size code	Hook size (wire rope dia.)	A		B		C Max. (mm)	D Min. (mm)	E Min. (mm)
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)			
A	1/2	.75 (19.1)	.88 (22.4)	1.06 (26.9)	.94 (23.9)	3.25 (82.6)	1.00 (25.4)	2.06 (52.3)
B	5/8	.94 (23.9)	1.13 (28.7)	.75 (19.1)	1.13 (28.7)	3.93 (99.8)	1.13 (28.4)	2.69 (68.3)
D	3/4	1.06 (60.6)	1.38 (35.1)	1.00 (25.4)	1.44 (36.6)	4.25 (108.0)	1.50 (38.1)	3.00 (76.2)
E	7/8 and 1	1.31 (33.3)	1.44 (36.6)	1.25 (31.8)	1.88 (47.8)	5.50 (139.7)	1.88 (47.8)	4.13 (104.9)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Wire rope size relates to the size of wire rope to be used.

FIGURE 1. Hook, slip, sliding choker (cast steel) - Continued.

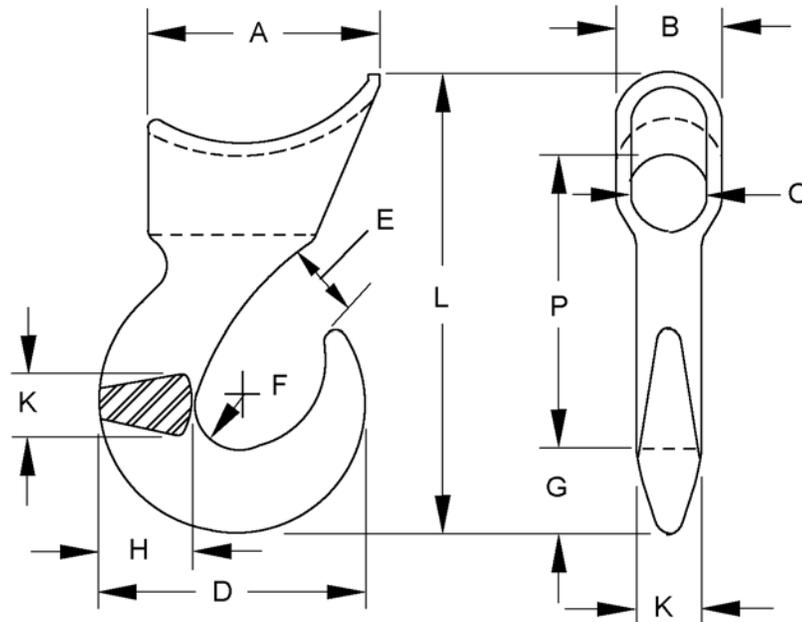


FIGURE 2. Hook, slip, sliding choker (drop forged).

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Size code	Hook size (wire rope dia.) (See note 4)	A (mm)	B (mm)	C (mm)	D inch	E (mm)	F (mm)
A	1/2	2.25 (57.2)	1.06 (26.9)	.750 (19.0)	2.95 (74.9)	.78 (19.8)	.50 (12.7)
B	5/8	3.06 (77.7)	1.37 (34.8)	1.00 (25.4)	3.56 (90.4)	.91 (23.1)	.56 (14.2)
C	3/4	3.36 (85.3)	1.87 (47.5)	1.44 (36.6)	4.25 (108.0)	1.16 (29.5)	.63 (16.0)

Size code	Safe working load	G (mm)	H (mm)	K (mm)	L ±.04 (1.02 mm) (mm)	P ±.04 (1.02 mm) (mm)
A	3300	.97 (24.6)	1.06 (26.9)	.69 (17.5)	4.63 (117.6)	2.94 (74.7)
B	5000	1.13 (28.7)	1.31 (33.3)	.86 (21.8)	6.13 (155.7)	3.56 (90.4)
C	8000	1.44 (36.6)	1.63 (41.4)	1.10 (27.9)	7.25 (184.1)	4.28 (108.7)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances shall be ±.03 inch (0.76 mm).
4. Wire rope size relates to the size of wire rope to be used.

FIGURE 2. Hook, slip, sliding choker (drop forged) - Continued.

Requirements

Dimensions and configurations: See figures 1 or 2.

All surfaces over which the wire rope will pass shall be smooth, curved and rounded to prevent damage to the rope.

Strength. Strength requirements of the hooks shall be as shown in table I.

TABLE I. Strength requirements. 1/ 2/ 3/

Hook wire rope diameter Inches-(mm/decimal)	Safe working load Pounds (kgs)
1/2 - (12.7/.05 in)	3,300 (1497)
6/8 - (19.1/.75 in)	5,000 (2268)
3/4 - (19.1/.75 in)	8,000 (3629)
7/8- and 1- (22.2/.87 in)	15,000 (6804)

- 1/ Dimensions are in inches.
- 2/ Metric equivalents are given for information only.
- 3/ Work load limit (WLL), in pounds, is the recommended weight limit for safe use.

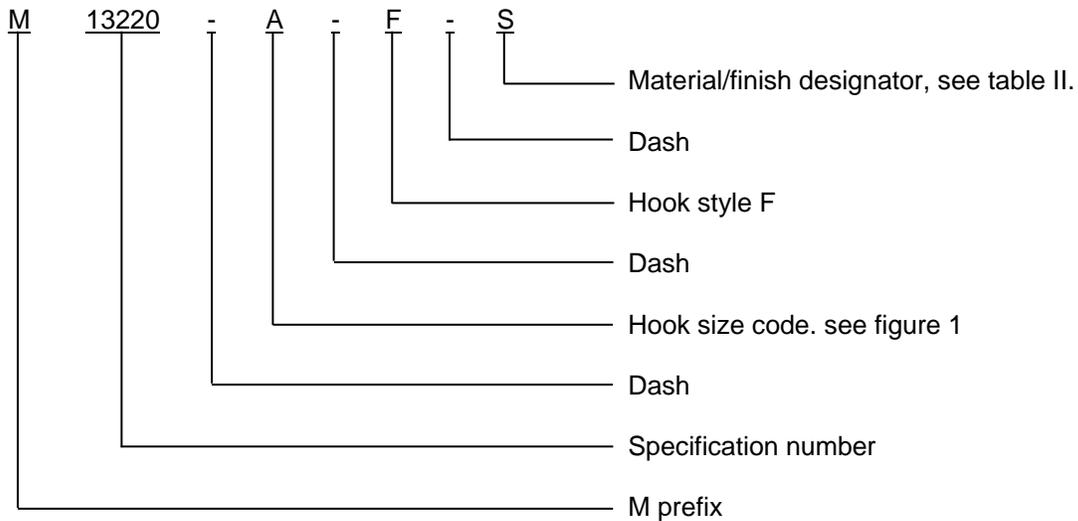
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Material and finish: Material and finish shall be in accordance with MIL-DTL-13220, see table II for designator.

TABLE II. Material and finish designator.

Material/finish designator	Material	Finish
S	Cast or forged steel	Zinc finish in accordance with ASTM B633, type 6.
M	Cast steel low magnetic permeability	Zinc finish in accordance with ASTM B633, type 6

Part or Identifying Number (PIN): The PIN consist of the letter "M", the basic specification number, a dash, a letter for the hook size, a dash, the letter F for hook style, a dash, and a letter for material/finish.



Example: M13220/3-A-F-S represents a Hook, slip, sliding choker for 1/2 chain, cast or forged steel, zinc finish.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-13220, this document references the following:

ASTM B633

MIL-DTL-13220/6

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force -11
DLA - CC

Preparing activity:

DLA - CC

(Project 4030-2015-024)

Review activities:

Army - MI
Navy - CG, MC
Air Force - 50, 70, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.