

HEAT TREATMENT & FINAL FINISH

PHYSICAL PROPERTIES

DECEMBER 31, 1941

Y.P.  
T.S.  
EL2

RED.  
BR.

ROCK.

REV'SIONS

1' 9-30-42  
2' CONVERSION  
10-17-51

DIAMETER OF WIRE .....  
TOTAL NUMBER OF COILS .....  
MINIMUM INSIDE DIAMETER, FREE .....  
OUTSIDE DIAMETER, FREE .....  
MAXIMUM OUTSIDE DIAMETER AT MINIMUM OPERATING HEIGHT .....  
FREE LENGTH OF SPRING .....  
TYPE OF ENDS .....  
WOUND .....  
MEAN ASSEMBLED HEIGHT .....  
LOAD AT MEAN ASSEMBLED HEIGHT .....  
MINIMUM OPERATING HEIGHT .....  
LOAD AT MINIMUM OPERATING HEIGHT .....  
SPRING FUNCTIONS IN HOLE .....  
SPRING FUNCTIONS OVER ROD .....  
CALCULATED MAXIMUM SOLID HEIGHT .....

| FOR                                  | FOR          |
|--------------------------------------|--------------|
| 51-63 .45 SMG51-116.45SMG<br>M 28 A1 | FOR<br>M1    |
| .031                                 | .031         |
| .30                                  | .30          |
| .178                                 | .178         |
| .245 ± .005                          | .245 ± .005  |
| .251                                 | .251         |
| 2.50 ± .05                           | 2.50 ± .05   |
| PLAIN                                | PLAIN        |
| R.H.                                 | R.H.         |
| 2.07                                 | 2.21         |
| 2 LB. 2 OZ.                          | 1 LB. 8 OZ.  |
| 1.96                                 | 2.05         |
| 2 LBS. 11 OZ.                        | 2 LBS. 4 OZ. |
| .255 ± .005                          | 2.55 ± .008  |
| .170 - .004                          | .170 - .004  |
| .96                                  | .96          |

DRG. PERTAINS TO

51-63 .45 SMG-M28A1  
51-116 .45 SMG-M1

SPRING, FIRING PIN

5153019

-A453019-

Back file  
W.C. Adley  
25 Sep 57

A5153019

REF. DRG. A.O.C. 45-1-16

A153019

APPROVED BY ORDER OF THE  
CHIEF OF ORDNANCE

*John A. ...*

LT. COL. ORD. DEPT. U.S.A.

ORDNANCE DEPT. U.S.A.

SUPERSEDES A153019