**APPLICATION:**
Cobalt based CLCP (lead free, non-primary energetic material), initiating detonator. Used in top-fire operations to initiate detonating cord in non-exposed gun systems with a 99.99% initiation reliability @ 95% confidence level.

**RATING:**

**TEMPERATURE RATING:**
425°F (218°C) for 1 hr.
400°F (205°C) for 12 hrs.
300°F (149°C) for 100 hrs.

**SPECIFICATIONS:**

**TYPE:**
RF-Safe Top Fire

**RESISTANCE:**
0.800 M - 1.100 M

**ALL FIRE LEVEL:**
300 volts (DC)

**NO-FIRE LEVEL:**
55 volts (DC) Held for 5 minutes

**STATIC SENSITIVITY:**
MIL-DTL-29659F

**TEST RELIABILITY:**
99.99% @ 95% Confidence Level

**EXPLOSIVES:**

**BASE CHARGE:**
5.12 grains (CLCP)

**PRIMARY EXPLOSIVE:**
None

**PACKAGING:**

**QUANTITY PER BOX:**
10

**NET EXPLOSIVE WEIGHT:**
5.12 grains (0.332 grams)

**NET ITEM WEIGHT:**
20 grams

**TOTAL PACKAGE WEIGHT:**
13.0 lb / 5.9 kg

**DIMENSIONS:**
12 in. X 9 in. X 6 in.

**HELF LIFE:**
5 years from DOM (in original packaging)

**PACKAGE TYPE:**
5.12 grains (0.332 grams)

**Detonator Part Number:** 2-300770-1

**D.O.T. EX Number:** EX2016012338

**Shipping Class:** 1.4S

**CE Number:** 0080 EXP.17.0021

**UN Number:** UN0456

**IMPORTANT NOTES**
Detonator was certified RF Safe by Franklin Applied Physics Laboratory. Will withstand up to 10 GHz @ 100 W/m and conforms to API RP-67.

This detonator is designed for use in non-exposed, Top-Fire hardware applications. Note that a special GE Quick Change sleeve and detonator block are required for the Top-Fire GreenDet detonator. This hardware is easily distinguished with a spiral pattern design on the outer body, and contains separate part numbers. Please reference the user manual (MAN. DET-TFG) for more details on hardware and installation.

The part numbering for the new GE Quick Change assemblies for use with the Top-Fire Green Det™ detonator are listed below:
- AS900275DB - QC 3-1/8" SAFE FIRE
- AS900330DB - QC 2-3/4" SAFE FIRE x GO BX
- AS900330QCDB - QC 2-3/4" SAFE FIRE x QC PN

**Owen Oil Tools** | www.corelab.com/owen | 1.800.333.6936 | +1.817.551.0540

2-300770-1 (R01)
**TOP FIRE** GREEN DET QUICK REFERENCE GUIDE

### 3-1/8” Quick Change:

- 3-1/8” Quick Change Body
- 3-1/8” QC COLLAR SAFE FIRE (LAF00642)
- Thread (2-3/4” - 6 ACME)
- 3-1/8” DETONATOR BLOCK (LAF00645)
- TAG TOP SUB 3-1/8” TO 7” (TAG-XXXX-280X)

To Order a complete 3-1/8” Quick Change WITH the Safe Fire Det Block and WITH a Safe Fire Collar use (AS9027SB)

### 2-3/4” Quick Change:

- 2-3/4” QC COLLAR SAFE FIRE (LAF00646)
- Thread (1-5/8” - 6 ACME)
- TOP FIRE “GREEN DET” (2-300770-1)
- 2-3/4” Detonator Block (LAF00647)
- TAG TOP SUB 2-3/4” TO 2-7/8” (TAG-XXXX-280X)

To Order a complete 2-3/4” Quick Change WITH the Safe Fire Det Block and WITH a Safe Fire Collar use (AS9033GCB)

### 1-9/16” Shooting Adapter:

- Top Gun Thread 1-9/16” Tape 2-1/2” TAG 1-9/16” 12 STUB ACME
- Firing Head Adapter 1-1/2” OD (AES-AS9005)
- TOP FIRE “GREEN DET” (2-300770-1)
- SHOOTING ADAPTOR, 1-9/16” OD (ADP-1562-002)

*NOTE – The above systems are also compatible with the “DET-3050-008” Detonator also. The Top Fire Green Det (2-300770-1) is NOT compatible with the Standard QC Collars and Det Block or Shooting Adaptors - THESE MUST BE CHANGED! The ADP-1562-005, AES-4244, and ADA6100 shooting adaptors are only compatible with the DET-3050-006.*