

SUBMITTAL

HYDRANT BREAK – OFF BOLTS SILICONE FILLED

Abstract of ASTM A307 Grade A 100% Silicone Filled

Low carbon steel bolts modified to reduce the bolts strength allowing “shearing” at the flanged joint upon impact

Chemical Requirements

- Phosphorous max 0.06
- Sulfur max 0.15

Mechanical Requirements (Before Drilling)

- Hardness Brinell Min 121 Max 241
- Hardness Rockwell Min 69 Max 100
- Tensile strength (KSI) Min 60 Max ---
- Elongation Min 18 IN 2in (50mm)



Hex Nuts ASTM A563 (ASME B18.2.2) Washers ASTM F844-90

Black Plain Zinc Plated Hot Dip Galv Tripac 2000 Blue

Buried Submerged Above Grade Below Grade Other

Dimensional Data

- Unless otherwise specified, threads shall be the coarse thread series as specified in the latest issue of ANSI/ASME B1.1, page A-26.
- Having a class 2A tolerance.
- Grade A bolts shall be hex bolts with dimensions as given in the latest issue of ANSI/ASME B18.2.1, page C-1.
- Break-Off bolts have a hole drilled in the shank with dimensions of 11/32 inch (for 5/8” bolts) and 13/32 for (3/4” bolts) and 2 3/8 inch deep, filled with 100% silicone that meets or exceeds the requirements of ASTM C920.
- Additional information can be found in ASTM A307, DTD 2001, ASTM A563, and DTD 2001.

TRIPAC

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