

HEX HYDRANT BREAK-OFF BOLTS A307 GRADE A

SUBMITTAL SPECIFICATIONS Abstract of ASTM A307 Grade A

Grade: Low Carbon Steel 60,000 PSI

****NOTE:** These bolts have been altered to allow for shearing at the joint on impact.

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

CARBON MAX	MANGANESE MAX	PHOPHOROUS MAX	SULFUR MAX
0.29	0.90	0.04	0.15

MECHANICAL REQUIREMENTS

*Prior to drilling

HARDNESS BRINEL		HARDNESS ROCKWELL		TENSILE STRENGTH (KSI)		ELONGATION IN 2 IN (50MM)
MIN	MAX	MIN	MAX	MIN	MAX	MIN
121	241	69	100	60	-	18

Hex Nuts ASTM A563 (ASME B18.2.2) Heavy hex Nuts ASTM A563 (ASME B18.2.2)

Washers ASTM F844-90

BOLTS AND NUTS MAY BE SUPPLIED

Plain Zinc Plated Hot Dip Galvanized Cad Plated

LOCATION

Buried Submerged Above Grade Below Grade Other

DIMENSIONAL DATA: Unless otherwise specified, threads shall be the coarse threaded series as specified in the latest issue of ANSI / ASME B1.1, page A-26. Class 2A tolerance. Grade A Bolts shall have Hex Bolt Dimensions as given in the latest issue of ANSI / ASME B 18.2.1 page C1. Unless otherwise specified Grade A Bolts should be used with Hex Nuts.

ADDITIONAL INFORMATION: Additional information can be found in ASTM A307 DTD 2001, ASTM A563, DTD 2001

ADDITIONAL INFORMATION: Break Off Bolts have a drilled hole in the shank. Dimensions are 11/32 Hole for 5/8 Bolts; 13/32 for 3/4 Bolt. Hole Depth is 2 3/8".