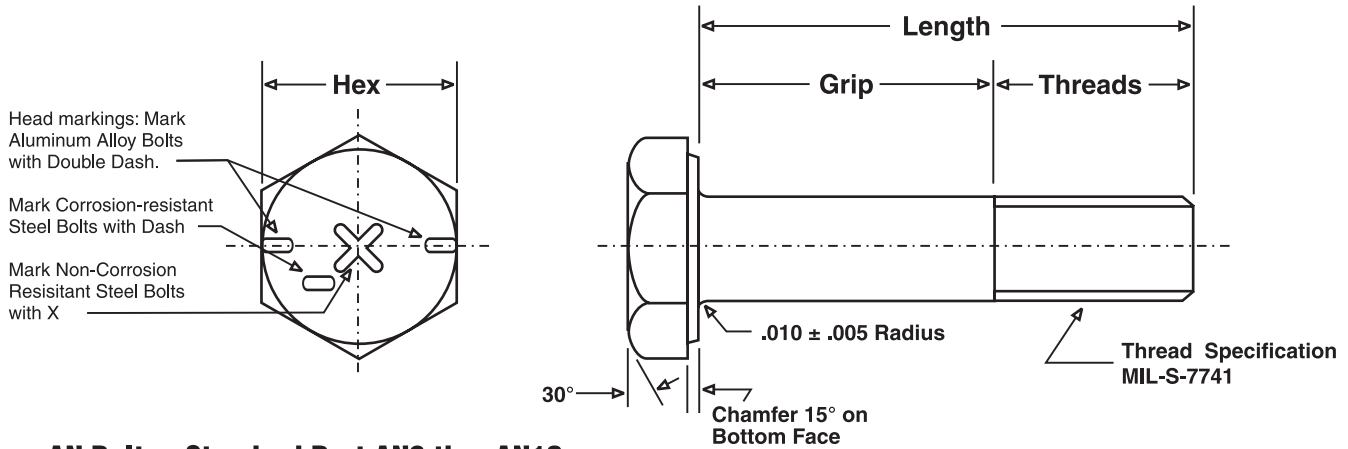
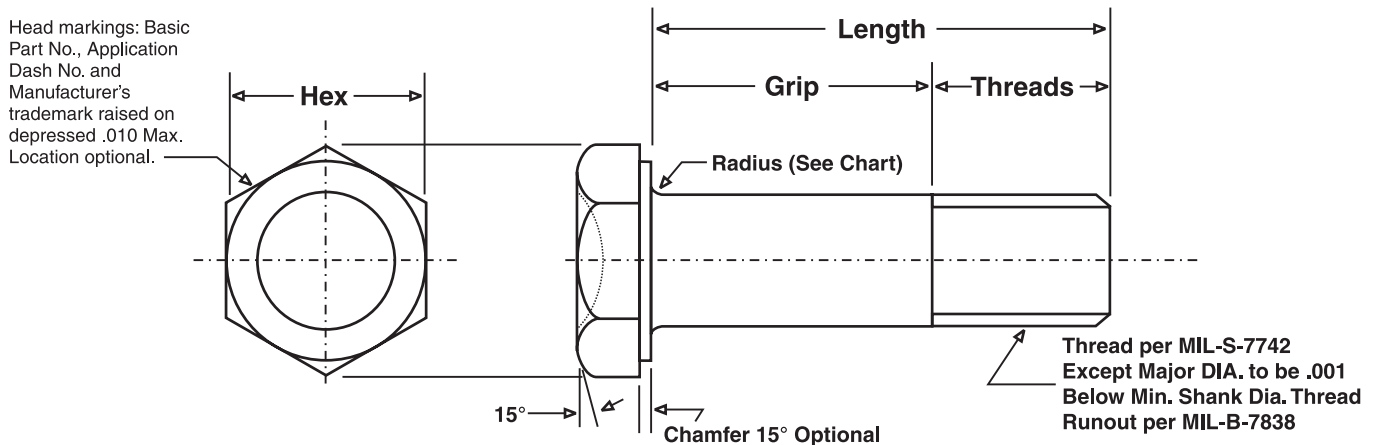


Detail Drawings - AN & NAS Bolts



AN Bolts - Standard Part AN3 thru AN10

AN series bolts are 125,000 PSI minimum tensile and 75,000 PSI minimum shear strength fasteners rated for 450°F maximum temperature. To calculate actual capacities of a given sized fastener, see the tech info section on our website. All bolts in this series are designated by grip length: grip is the full diameter unthreaded portion of the bolt beneath the head. Grips in this series run in 1/8 (.125) increments. Adding thread length (constant for all bolts within a given diameter and series) to grip yields the overall length (L) of the bolt (bottom of head to end of threads). Bolts with heads drilled for safety wire have an H designation within the part number. C designates bolt material is type 431 stainless steel; the A suffix on the dash number indicates undrilled threads (standard configuration).



NAS Bolts - Short Thread - NAS 1103 thru NAS 1116

All NAS11XX/62XX, NAS13XX/66XX and NAS 63XX series hexbolts are 160,000 PSI minimum tensile and 95,000 PSI minimum shear strength fasteners. NAS 11XX/62XX/13XX/ 66XX series are alloy steel rated for 450° F maximum temperature; NAS 63XX series are A286 stainless rated for 1200° F maximum temperature. To calculate actual capacities of a given sized fastener see the tech info section on our website. All bolts in the above series are designated by grip length: the grip length is the full diameter unthreaded portion of the bolt beneath the head. Grips run in 1/16 (.0625) increments; dash number is grip in sixteenths. Adding thread length (constant for all bolts within a given diameter and series) to grip length yields the overall length (L) of the bolt (bottom of head to end of threads). Bolts with heads drilled for safety wire have an H prefix or suffix to the grip length (NAS1303-10H; NAS6603H10) Please ensure thread length is adequate to accommodate the locknut you desire to use. NAS 11XX/62XX AND 63XX SERIES BOLTS SHOULD NOT BE USED IN TENSILE APPLICATIONS AS THREAD LENGTH IS INSUFFICIENT TO ENSURE ADEQUATE CLAMPING STRENGTH. PLEASE CONTACT US IF ANYTHING IS UNCLEAR OR IF YOU REQUIRE ASSISTANCE.