

UPDATE

LET THERE BE NO DOUBT!

Kanebridge's Military Hardware Conforms to All Quality and Procurement Requirements.

Grade-BD Cap screws

Q: *What type of steel are Kanebridge's Grade-BD cap screws made from?*

K: Per military requirements, the ASTM A354 Grade BD cap screws are made from medium carbon fine grain alloy steels which conform to the requirements of AISI alloy steels. All of these materials are fine grained to provide the high levels of strength and toughness which are required in these critical fasteners. Specific steel grades are chosen not only to meet the alloy steel requirements as listed in ASTM A354, but to provide the required hardenability. This insures that the final product offers the correct mechanical properties to meet all military specifications.

Grade-BD: Plating & Baking Specs

Q: *Do Kanebridge's Grade-BD cap screws meet the revised ASTM B633 plating specification, including the heat treating and baking requirements the standard specifies?*

K: Yes. The ASTM B633 standard was revised in 2007. One of the changes concerned the amount of time certain fasteners are baked to reduce the effects of hydrogen embrittlement. Prior to this revision, plated Grade-BD cap screws were required to be baked for at least 4 hours at a temperature of 190°C to 220°C. **The new standard calls for these parts to be baked for at least 10 hours at 190°C to 220°C. All of our manufacturers meet this standard.**

*You can be confident—
All of Kanebridge's
military-grade fasteners--
including its Grade-BD cap
screws--meet or surpass
all quality standards and
procurement requirements
for these critically
important products.*



**KANEBRIDGE
CORPORATION**

New Jersey . Illinois . California

More about Baking Grade-BD screws

Q: *There are special requirements for how promptly these parts are to be baked after plating. How can I assure my customers your Grade-BD cap screws meet these standards?*

K: **The requirements you refer to are also delineated in ASTM B633, section 6.5. This section addresses post-plating treatment to reduce the effects of hydrogen embrittlement; specifically, the time gap between plating and baking. This treatment must be done within 4 hours of the electroplating operation. Rest assured—all of our manufacturers meet this standard.**

Military Certifications

Q: *Do the certifications you furnish include the mil-spec part numbers?*

K: Yes, all of our military certifications include the applicable military part number, including the ASME part numbers for all Grade BD high alloy hex cap screws.

QSLD-Approval

Q: *What does QSLD-approval mean?*

K: The Defense Supply Center Philadelphia (DSCP) has a Qualified Suppliers List for Distributors (QSLD) for Class 2 Threaded Fasteners identifying pre-qualified sources for certain products purchased by DSCP. Distributors on this list are recognized by DSCP as meeting all necessary criteria, particularly regarding quality control, to sell specified fasteners that are ultimately sold to DSCP. Since August 17, 2006 Kanebridge is approved by DSCP as having met all of the requirements to be such a distributor.

This means any military-grade parts sold from Kanebridge's Elgin, Illinois facility, that were purchased from and made by a QSLM-approved manufacturer can be purchased by another distributor on the QSLD-Approved list for resale to DSCP.

QSLD-Approved inventory

Q: *What Kanebridge items are QSLD-approved?*

K: At this time, all of these product lines are purchased from QSLM-approved manufacturers:

- B1821 Grade-BD hex cap screws
- MS16997 Socket Head cap screws
- MS24693 Phillips 100° Flat machine screws
- MS35206 Phillips Pan Coarse machine screws
- MS35207 Phillips Pan Fine machine screws
- MS35307 Coarse Hex Cap Screws, 18-8 SS
- MS35308 Fine Hex Cap Screws, 18-8 SS
- MS51957 Phil Pan Coarse machine screws, 18-8
- MS51958 Phillips Pan Fine machine screws, 18-8
- MS51959 Phil 82° Flat Coarse machine screws, 18-8
- MS51960 Phillips 82° Flat Fine machine screws, 18-8

If you are a QSLD-Approved distributor, congratulations! Kanebridge completes the chain of distribution that gives you a reliable source for fully certified, military-grade hardware that ships the same day.

DFARS-Compliance

Q: *I am getting more requests for military parts that are "DFARS-compliant". Are Kanebridge's military parts Dfars-compliant?*

K: DFARS-compliance pertains to any fasteners made from a specialty steel or high alloy steel. This definition includes all stainless steel parts and all Grade-BD parts. All of the military fasteners sold by Kanebridge that are stainless or alloy steels are DFARS-compliant. Note that DFARS does not apply to MS90725 Grade-5 hex cap screws since Grade-5 is considered a "medium carbon" steel.

Kanebridge does it right.