



Preferred Parts

Number:	C-040
Date Issued:	A-JAN07

ELECTRONIC DOCUMENT IN THE VIEWER IS CONTROLLED. PRINTED COPY IS AN UNCONTROLLED DOCUMENT.

HEXAGON SOCKET CAP AND SHOULDER SCREWS (SUPERSEDED)

This standard has been superseded by CNH Standard Parts, STPC120 (87366933) Hex Socket Head Cap Screws Inch.

The controlled versions of CNH specifications and standards are published on the CNH Intranet site.

The documents are also available on the CNH electronic viewing system (e.g. eViewer). Suppliers are able to access these documents on CSCN (CNH Supplier Communications Network).

The superseded standard remains available for viewing following this page, if needed. For information about superseded standards refer to ENS0050 (87523699).

Supersedes Issue: C-040	Dated: NOV 00	Page: 1 of 3
----------------------------	------------------	-----------------



Preferred Parts

Number:	C-040
Date Issued:	A-JAN07

ELECTRONIC DOCUMENT IN THE VIEWER IS CONTROLLED. PRINTED COPY IS AN UNCONTROLLED DOCUMENT.

HEXAGON SOCKET CAP AND SHOULDER SCREWS (SUPERSEDED)

GENERAL SPECIFICATIONS

GENERAL: This standard conforms with American National Standard B18.3 and British Standards Institution BS 2470 for hex socket head cap screws, socket flat countersunk head cap screws, socket button head cap screws and socket head shoulder screws.

PREFERRED PARTS POLICY: Preferred parts are so designated to reduce variety of parts and assure maximum availability, interchangeability and cost savings in volume buying.

Material: Alloy Steel

Finish: Plain (PLN), Zinc Dichromate (ZND) and Phosphate Coating (PHC)

Thread: Coarse

Diameter: Hex Socket Head Cap & Socket Flat Head Screws
6, 8, 10, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1

Socket Button Head Screws
6, 8, 10, 1/4, 5/16, 3/8, 1/2, 5/8

Lengths: Hex Socket Head Cap & Socket Flat Head Screws
1/4 inch increments thru 3-1/2 inches
1/2 inch increments over 3-1/2 thru 7 inches
1 inch increments over 7 inches

Socket Button Head Screws
1/8 inch increments thru 1 inch
1/4 inch increments over 1 thru 2 inches
Maximum standard length as listed on dimensional page

DIMENSIONS: All dimensions in this Standard are in inches. All unspecified detail shall conform to ANSI B-18.3.

THREADS: Threads shall be in accordance with the American National Standard, Unified Inch Screw Threads, ANSI B1.1. For cap, flat and button head screws, threads shall be unified external threads with radius root:

Class 3A UNRC and UNRF series for screw sizes thru 1 inch
Class 2A UNRC and UNRF series for sizes over 1 inch to 1-1/2 inch
Class 2A UNRC series for sizes larger than 1-1/2 inch.

For shoulder screws, threads shall be unified external thread; Class 3A, UNC series.

Class 3A does not provide a plating allowance. When plated products are required, it is recommended that they be procured from the manufacturer.

Thread length shall be in accordance with ANSI B18.3.

Supersedes Issue: C-040	Dated: NOV 00	Page: 2 of 3
----------------------------	------------------	-----------------



Preferred Parts

Number: C-040

Date Issued: A-JAN07

ELECTRONIC DOCUMENT IN THE VIEWER IS CONTROLLED. PRINTED COPY IS AN UNCONTROLLED DOCUMENT.

HEXAGON SOCKET CAP AND SHOULDER SCREWS (SUPERSEDED)

MATERIAL:

Alloy Steel (AST)

Cap screws shall be fabricated from an alloy steel and shall conform in all respects to ASTM specification A574, latest issue, Alloy Steel Socket Head Cap Screws.

Socket flat head, button head and shoulder screws shall be fabricated from an alloy steel having alloying elements in sufficient quantity to assure that the hardness ranges listed below are met when screws are hardened by quenching from the austenitizing temperature and tempered at not less than 343°C (650°F).

Flat Head Screws: 36-45 HRC
Button Head Screws: 36-43 HRC
Shoulder Screws: 32-43 HRC

Corrosion Resistant Steel (SST)

Screws shall be fabricated from austenitic corrosion resistant steel of types 18-8, AISI 384 or equivalent types and shall have a minimum tensile strength of 80,000 psi for sizes up to and including 5/8 inch and 70,000 psi for sizes larger than 5/8 inch.

FINISH: Screws shall be furnished plain, plated or coated in accordance with Case Engineering Materials Specification:

Plain and Oiled (PLN) Black Color from Heat Treat
Phosphate Coating (PHC) MS 91
Zinc Dichromate (ZND) MS 201
Black Zinc (BZN) MS 203
Black Cadmium (BKC) MS 208 (Not Recommended)
Black Oxide (BLO) MS 204-2

WORKMANSHIP: Surface roughness for alloy steel screws shall meet the requirements listed in ANSI B18.3. Screws shall be free from burrs, seams, laps, loose scale, irregular surfaces and any defects affecting their serviceability.

Supersedes Issue:
C-040

Dated:
NOV 00

Page:
3 of 3