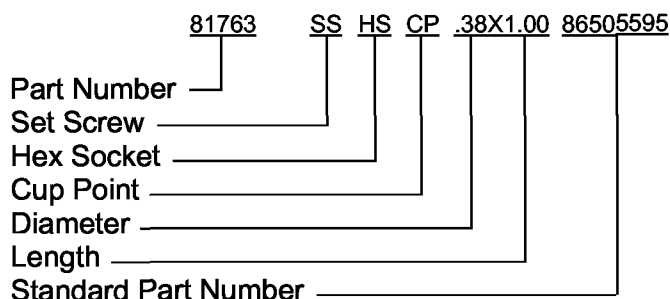


Set Screw, Hex Socket, Cup Point, Black Oxide Finish, Coarse Threads**1. SCOPE**

The fasteners defined by this specification are black oxide finish hex socket set screws with cup point and coarse threads.

2. DESIGNATION

2.1 Typical call out on a drawing shall be:



NOTE: The above typical description is required for use in all company wide computer generated documents. The description on hand drawn assembly drawings should follow the same practice.

2.2 Table 2 contains the Preferred part numbers to be used in future designs. Table 3 lists the Non-Preferred part numbers which should not be used in future designs.

2.3 When requesting a new part number, refer to the instructions in standard 86505922 (FNHA-3-A-005.00).

3. RELATED SPECIFICATIONS**3.1 REFERENCE STANDARDS**

86505922 (FNHA-3-A-005.00)—Assignment of Standard Part Numbers
ASTM A912—Alloy Steel Socket Set Screws
ANSI/ASME B1.1—Unified Inch Screw Threads
ANSI/ASME B18.3—Socket Cap, Shoulder and Set Screws
SAE J1061—Surface Discontinuities on General Application Bolts, Screw, and Studs

3.2 This standard replaces the following company standards:

New Holland	NA2.02.17
Versatile (Partial)	1-A-042

4. REQUIREMENTS**4.1 MATERIAL**

Alloy steel according to ASTM F912 with the following chemical composition: .28 to .50% of carbon, max. 0.35% of sulfur and phosphorus with one or more of the following alloying elements present: chromium, nickel, molybdenum, or vanadium.

4.2 HARDNESS

Parts shall be heat treated by oil quenching and tempering to hardness of Rockwell C 45/53. The hardness limits shall apply throughout the screw from the core to the surface.

					NAME	STD SS HSH CUP	
					 NEW HOLLAND	ENGINEERING SPECIFICATION	
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4.3 PLATING

These parts shall have a black oxide finish.

4.4 MECHANICAL DIMENSIONS

The screw thread geometry shall conform to UNC-3A per ANSI/ASME B1.1. The general dimensions shall meet the requirements in Table 1. All other dimensions are according to ANSI/AMSE B18.3.

4.5 SURFACE DISCONTINUITIES

All products under this specification shall meet the Surface Discontinuities on Bolts, Screws, and Studs per SAE J1061 requirements.

5. SUPPLIER RESPONSIBILITY

5.1 Suppliers shall perform the necessary test for sample approval for initial lots. After this approval, suppliers are not required to perform the specific tests, but ascertain that their product will conform to the specification limits. These specified requirements will be used to reconcile any disputed values.

5.2 All materials supplied to this specification shall be equivalent in all characteristics to the material upon which approval was originally granted. Prior to making of any changes in the properties, composition, construction, color, dimensions, processing or labeling of the material originally approved under this specification, the supplier shall notify Purchasing and the affected Materials Engineering activity of the proposed changes and obtain the written acknowledgement of the Materials Engineering activity. Test data, test samples and a new identification code are to be submitted with the request.

	NAME			PART NUMBER	
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