

DEK STANDARD ENGINEERING INSTRUCTION

Title

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Preferred Bolts and Screws

DSP 1.1.3

1. Scope

This DSEI describes the types and sizes of bolts and screws that are allowable in any DEK design. The main reasons for this being to reduce tools required to build and maintain machines, improve modularity and reduce inventory.

2. Applicability

Any new design initiated after the first issue date of this document.

Any major rework of an existing design initiated after the first issue date of this document.

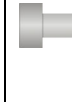
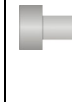
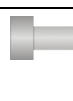
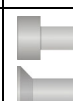
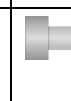
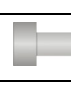
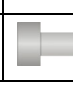
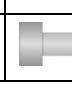
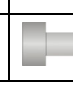
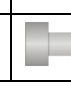
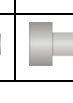
3. Preferred Material

All bolts and screws must comply with BS EN ISO 3506-1:2020 Grade A2-70.

4. Preferred Form and Specification

- Wherever possible Hexagon Socket Head Cap Screws complying with BS EN ISO 4762:2004 should be used.
- Where the application dictates a Hexagon Socket Countersunk Head Screws to comply with the dimensional requirements of BS EN ISO 10642:2019 may be used.
- In cosmetic applications, or where space is limited, Hexagon Socket Button Head Screws to comply with the dimensional requirements of BS EN ISO 7380-01:2011 may be used.

5. Preferred Diameter and Length

Ø \ LENGTH	6	8	10	12	16	20	25	30	35
M3									
M4									
M5									
M6									
M8									

6. Exceptions from this DSEI

Issue	01	02	03	04	05	06	07	08
DCR	40492	24/11/20						

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It is recognised that the complexity of DEK products may require the engineer to deviate from this instruction from time to time.

In the event of a deviation being required the following actions should be taken:

- The deviation should be minuted in the design review and an action taken to gain approval from either the Production Engineering Manager or the Mechanical Engineering Manager.
- Once approved the exact specification of the fastener must be entered into Glovia Text Type 3. This should include any specifications relating to material and form.

7. Additions to this DSEI

If it is seen that a previously excepted fastener is being used in significant quantity, then it may be incorporated into this instruction. Any requests for this should be directed towards and approved by the Mechanical Engineering Manager.

Part Descriptions for additions to this instruction should be in the following format:

- M5 x 12 Hexagon Socket Head Cap Screw – SCREW^SKT CP HD^M5x12^DSP113
- M5 x 12 Hexagon Socket Countersunk Head Screw – SCREW^SKT CSK HD^M5x12^DSP113
- M5 x 12 Hexagon Socket Button Head Screw – SCREW^SKT BUTT HD^M5x12^DSP113

Issue	01	02	03	04	05	06	07	08
DCR	40492	24/11/20						